

Chancellor's Docket No. 65
THE UNIVERSITY OF TEXAS SYSTEM
Office of the Chancellor

June 28, 1973

TO THE HONORABLE BOARD OR REGENTS
OF THE UNIVERSITY OF TEXAS SYSTEM

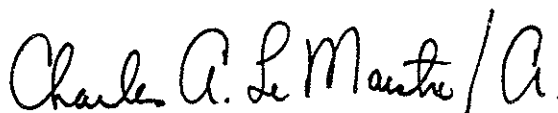
Mrs. Johnson and Gentlemen:

The dockets prepared by the component institutions listed below are herewith submitted with my recommendation for ratification or approval, as appropriate, at the meeting of the Board of Regents on July 27, 1973. The budget changes included in these dockets have been approved by me and are herewith submitted as a report to the Board of Regents.

- The University of Texas at Arlington (Page Code AR)
- The University of Texas at Austin (Page Code A)
- The University of Texas at Dallas (Page Code D)
- The University of Texas at El Paso (Page Code EP)
- The University of Texas of the Permian Basin (Page Code PB)
- The University of Texas at San Antonio (Page Code SA)
- The University of Texas Health Science Center at Dallas (Page Code HD)
- The University of Texas Medical Branch at Galveston (Page Code G)
- The University of Texas Health Science Center at Houston (Page Code HH)
- The University of Texas Health Science Center at San Antonio (Page Code HS)
- The University of Texas System Cancer Center (Page Code CC)
- The University of Texas System School of Nursing (Page Code N)

On the following pages, C-2 through C-4, are U. T. System and Institutional items which I also recommend for the Board's ratification or approval, as appropriate, including my report of budget changes.

Sincerely,



Charles A. LeMaistre, M. D.
Chancellor

CAL:cp

A-5-2

Pull out Contracts

THE UNIVERSITY OF TEXAS SYSTEM
Office of the Chancellor

June 28, 1973

TO THE HONORABLE BOARD OR REGENTS
OF THE UNIVERSITY OF TEXAS SYSTEM

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Sincerely,

Charles A. LeMaistre / A.
 Charles A. LeMaistre, M. D.
 Chancellor

CAL:cp

*Hand for
Lease
400*

THE UNIVERSITY OF TEXAS SYSTEM ADMINISTRATION

BOARD OF REGENTS MEETING - JULY 27, 1973

CANCELLATION OF LEASE AGREEMENT

Effective March 31, 1973, cancel the Lease Agreement for the Washington Office located at 1101 Seventeenth Street, N. W., Washington, D.C., Suite 1002. This cancellation is by mutual agreement by and between D. F. Antonelli, Jr. and Charles E. Smith, as Landlord, and the University of Texas System, as Tenant.

1973-74 HOLIDAY AND VACATION SCHEDULE

The following holiday and vacation schedule is recommended to apply to The University of Texas System Administration and to any component institution in The University of Texas System that does not request a schedule specifically different.

The State Appropriation Bill provides a total of thirteen (13) specified holidays plus two (2) additional working days at Christmas to be observed by employees of State agencies during fiscal year 1973-74.

The Appropriation Bill further provides ten and one-half (10½) working days of basic vacation allowance for employees of the State to be accrued on the basis of seven (7) hours per month.

State institutions of higher education are, however, privileged to rearrange holidays and vacation schedules within the total number of days provided. I recommend the following dates, therefore, to be observed as holidays for the fiscal year 1973-74:

September 3, 1973	Monday	Labor Day
November 22, 1973	Thursday	Thanksgiving Day
November 23, 1973	Friday	Thanksgiving Holiday
December 24, 1973	Monday	Christmas Holiday
December 25, 1973	Tuesday	Christmas Day
December 26, 1973	Wednesday	Christmas Holiday
December 27, 1973	Thursday	Christmas Holiday
December 28, 1973	Friday	Christmas Holiday
December 31, 1973	Monday	Christmas Holiday
January 1, 1974	Tuesday	New Years' Day
April 12, 1974	Friday Afternoon	Good Friday (one-half day)
May 27, 1974	Monday	Memorial Day
July 4, 1974	Thursday	Independence Day
August 27, 1974	Tuesday	Lyndon Baines Johnson's Birthday

With the approval of this recommendation the additional one and one-half legal State holidays not observed by the University will be added to the statutory allowance to provide a total of twelve (12) working days annual leave for 1973-74, which has been the practice for a number of years.

The Appropriation Bill also provides that State employees with long term service shall accrue vacation in accordance with the following schedule:

<u>Employees With Total State Employment of:</u>	<u>Hours Accrued Per Month</u>	<u>Days Accrued Per Year</u>
Fifteen (15) years but less than twenty (20) years	10	15
Twenty (20) years and over	14	21

Therefore, with the addition of the one and one-half days mentioned above, University employees who have completed fifteen (15) years State employment shall be entitled to sixteen and one-half (16½) working days, and employees who have completed twenty (20) years State employment shall be entitled to twenty-two and one-half (22½) working days annual leave for 1973-74 under the above provisions of the Appropriation Bill.

THE UNIVERSITY OF TEXAS SYSTEM ADMINISTRATION
REPORT OF AMENDMENTS TO THE 1972-73 OPERATING BUDGET
BOARD OF REGENTS MEETING - JULY 27, 1973
Source of Funds - Departmental Appropriations
(Unless Otherwise Specified)

Office of the Comptroller

1. Transfer \$ 3,000 from the Administrative Salaries account to the Classified Salaries account to fund the replacement of a System Auditor with a Staff Auditor. (RBC# D-131)

Special Services - Security Division

2. Increase the annual salary rate of Robert K. Bratten, Special Investigator, from \$ 11,200 to \$ 12,000 effective June 1, 1973. (RBC# D-132)

Office of Investments, Trusts, and Lands

3. Change the status of Raymond R. Todd from Associate Deputy Chancellor for Investments, Trusts, and Lands to Consultant to the Associate Deputy Chancellor for Investments, Trusts, and Lands and the Deputy Chancellor for Administration effective July 1, 1973, through August 31, 1973.

Oil Field Supervision and Geophysical Exploration

4. Transfer \$ 3,000 from the Travel account to the Maintenance and Operation account to provide the additional funds needed for operating expenses during the remainder of the fiscal year. (RBC# D-141)

Office of Facilities Planning and Construction

5. Resign Thomas V. Russell, Architect and Planning Advisor at an annual salary rate of \$ 16,600, effective June 11, 1973. (RBC# D-137)

System Personnel Office - Unemployment Compensation Insurance Division

6. Transfer \$ 306 to the Classified Salaries account and \$ 1,000 to the Clerical Assistants account from the Compensation Benefits account to provide the funds needed for personnel commitments for the Unemployment Compensation Insurance program. (RBC's# D-138, D-130)

Cooperative Management Information System Development Project

7. Transfer \$ 3,300 from the Project Unallocated Account to Maintenance and Operation for additional supplies and duplication services over original estimates. (RBC# D-136)

Video Assisted Instruction

8. Transfer \$ 1,264 from the Revolving Fund Allotment Account to the Maintenance, Operation, and Equipment account to fund purchases of additional Video-Assisted training courses for data processing personnel. (RBC# D-143)

U. T. System Airplane Operation

9. Transfer \$ 6,000 from the Unallocated Operating Account and \$ 9,000 from the Airplane Travel account to the Lease Equipment Costs account. (RBC# D-133)

File Misc.

Restricted Funds

10. For bookkeeping purposes realign the funds within the restricted account groups, as follows:

From: Account No. 85-0202-0000 - C.A.	\$ 100,000
To: Account No. 30-8824-9150 Austin	\$ 80,000
Account No. 55-0210-0670 - C.A.	20,000

(RBC's # D-134, D-135)

Let. in Const. Funds

Check this

Stiles Fdtg

File Petty

OTHER FISCAL ITEMS

The University of Texas at Austin - Fuel Oil Storage and Transfer System

1. Due to heavy rains a cave-in occurred at the excavated site where the emergency fuel tanks were to be installed. Due to the urgency of the situation, the Contractor was instructed to make a rough estimate of cost and to proceed at once with clean-up and repair operations. The rough estimate of cost was \$ 6,100.00. The actual cost has been finalized at \$ 5,612.00 and a change order has been prepared to add this amount to the original contract price.

It is recommended that the project contingency previously allocated for this project in the amount of \$ 19,912.00 be reduced by \$ 5,612.00 and transferred to the construction account for payment of the above mentioned work.

200

THE UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, Texas

June 19, 1973

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
Austin, Texas

Dear Dr. LeMaistre:

The attached docket is submitted for your approval and presentation to the Board of Regents at the meeting on July 27, 1973. The University of Texas at Arlington docket is twenty-three pages in length.

Sincerely yours,



W. H. Nedderman
Acting President

WHN:md
Attachment

THE UNIVERSITY OF TEXAS AT ARLINGTON

BOARD MEETING ON JULY 27, 1973

GIFTS

The following gifts have been received by The University of Texas at Arlington. I recommend acceptance and that the thanks and appreciation of the Board be sent the donor by the Secretary. D X F

<u>Donor</u>	<u>Purpose</u>	<u>Amount</u>
1. Mrs. Bettye M. Rady Rady & Associates, Inc. 400 Continental Life Bldg. Fort Worth, Texas 76102	Scholarship	\$ 5,204.89
2. Brown & Lupton Foundation, Inc.* P. O. Box 1378 Fort Worth, Texas 76101 Mr. Sam Woodson	Unrestricted	15,000.00

MEMBERSHIP ON THE GRADUATE FACULTY F

I recommend the following faculty members for full membership on the graduate faculty:

Dr. J. D. McNutt, Physics Department
Dr. W. E. Mullendore, Economics Department

ATHLETIC SCHEDULES F

I recommend approval of the following athletic schedules for The University of Texas at Arlington:

Football Schedule 1973

<u>Date</u>	<u>Opponent</u>	<u>Site</u>
September 8	North Texas State Univ.	Texas Stadium (Irving)
September 15	Oklahoma State Univ.	Stillwater, Okla.
September 22	Texas Christian Univ.	Fort Worth
October 6	**McNeese State Univ.	Arlington
October 20	Southern Mississippi	Arlington
October 27	**Southwestern Louisiana	Lafayette, La.
November 3	**Louisiana Tech	Ruston, La.
November 10	**Arkansas State	Jonesboro, Ark.
November 17	Western Michigan	Arlington
November 24	**Lamar University	Arlington

*No letter of transmittal received from donor

**Denotes Southland Conference game

Basketball Schedule 1973-74

<u>Date</u>	<u>Opponent</u>	<u>Site</u>
November 30	Ohio State University	Columbus, Ohio
December 3	Southeastern Oklahoma	Durant, Oklahoma
December 5	Hardin Simmons Univ.	Arlington
December 10	Pan American	Edinburg
December 20	Calif. State - Fullerton	Arlington
December 22	Fresno State	Arlington
January 10	West Texas State	Amarillo
January 12	Pan American	Arlington
January 19	Houston Baptist	Houston
January 21	*Southwestern Louisiana	Arlington
January 23	Oklahoma City Univ.	Oklahoma City, Okla.
January 28	*Arkansas State	Jonesboro, Ark.
January 31	*McNeese State	Arlington
February 2	Hardin Simmons	Abilene
February 4	*Lamar University	Beaumont
February 5	Northwestern Louisiana	Natchitoches, La.
February 7	*Louisiana Tech	Ruston, La.
February 11	*Arkansas State	Arlington
February 14	*Southwestern Louisiana	Lafayette, La.
February 16	Oklahoma City Univ.	Arlington
February 18	*McNeese State	Lake Charles, La.
February 21	*Lamar University	Arlington
February 23	West Texas State	Arlington
February 25	*Louisiana Tech	Arlington
February 28	Houston Baptist	Arlington

*Denotes Southland Conference Game

BUSINESS CONTRACTS

I recommend approval and ratification of signatures of the following business contract:

1. Lease dated January 3, 1973, between the Board of Regents of The University of Texas System and Texaco Inc., covering a service station located at 540 South Cooper Street, Arlington, Texas. The lease shows rental at the rate of \$375.00 per month for a period of three years from January 6, 1973.

RESEARCH AND OTHER ACADEMIC CONTRACTS

The following contracts, grants and amendments have been signed by the appropriate official upon the recommendation of the respective technical directors and fiscal officers.

Expenditures from these contracts and grants will be made in accordance with regular University operating procedures and contractual limitations. I recommend your approval and ratification of signatures.

NON-FEDERAL PROJECTS

1. Project #TEX(X)2333-100, Texas Education Agency, Division of Vocational Education, whereby the amount of \$48,670 is awarded The University of Texas at Arlington for Manpower Development Training Projects for the period 12-10-71/7-24-73.
2. Grant from The Hogg Foundation for Mental Health in the amount of \$10,000 to support a U. T. Arlington program in the development of minority mental health manpower resources for the State of Texas.
3. Amendment No. 1 to Interagency Contract No. IAC(72-73)-443 between The University of Texas at Arlington and Texas Department of Community Affairs which amends the time of performance to 2/1/72-9/30/73.
4. Interagency Cooperation Contract IAC(72-73)-1171 between The University of Texas Health Science Center at Dallas and The University of Texas at Arlington which covers the acquisition and conditioning of two primates for the U. T. Arlington Psychology Department. The amount of the Contract is \$250.
5. Interagency Cooperation Contract IAC(72-73)-1196 between the Office of Information Services, Division of Management Science, and The University of Texas at Arlington whereby U. T. Arlington will render certain professional services to obtain data for use in Input-Output Models. The amount of this Contract is \$20,137.
6. Interagency Cooperation Contract IAC(72-73)-1212 between the Texas Department of Community Affairs and The University of Texas at Arlington covering testing and evaluation for the Texas State Building Materials and Systems Testing Laboratory. The amount of this Contract is \$50,000.

7. Interagency Cooperation Contract IAC(72-73)-1223 between The University of Texas at Arlington and The University of Texas at Austin covering the reproduction and assembly of various forms. The amount of this Contract is \$10,000.

THE UNIVERSITY OF TEXAS AT ARLINGTON

FEDERAL CONTRACTS AND GRANTS

BOARD MEETING ON JULY 27, 1973

1. Letter of Agreement dated 20 April 1973 between the Coastal Engineering Research Center and The University of Texas at Arlington regarding the transfer and release to U. T. Arlington of sediment cores.
2. Cross-Town Agreement to become effective 1 July 1973 among the governing authorities of Texas Christian University, which hosts Air Force ROTC Detachment 845, The University of Texas at Arlington, and the Commander, Air University, to make the Air Force ROTC instruction available to U. T. Arlington students who desire to earn appointments as commissioned officers in the United States Air Force.
3. Transaction/Award Number 09698824 whereby the Department of Health, Education, and Welfare awards an additional amount of \$15,000 for the College Work-Study Program for the 7/1/72-6/30/73 grant period. The full amount of this award will be expended in Tarrant County, Texas.
4. Transaction Number 10098824 whereby the Department of Health, Education, and Welfare awards \$309,491 for the College Work-Study Program for the grant period 7/1/73-6/30/74. The full amount of this award will be expended in Tarrant County, Texas.
5. Letter dated May 30, 1973, from the United States Department of Agriculture Soil Conservation Service, extending Cooperative Agreement No. AG-48-scs-01233, and Amendment No. 1 thereto, until final completion or until June 30, 1974, whichever occurs first.
6. Grant Number 5 T01 MH 12747-03 by the Department of Health, Education, and Welfare, Public Health Service, whereby direct costs in the amount of \$32,778, plus applicable indirect costs, are awarded under a Training Grant to be directed by Dr. Fernando G. Torgerson. The title of the project is "Social Work - Community Mental Health in Urban Area." The full amount of this award will be expended in Tarrant County, Texas.
7. Transaction Number 01084735 whereby the Department of Health, Education, and Welfare awards \$115,726 under the Supplemental Educational Opportunity Grants Program for the period July 1, 1973 through June 30, 1974. The full amount of this award will be expended in Tarrant County, Texas.

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - July 27, 1973

LIBERAL ARTSDepartment of Architecture

1. Accept the resignation of Kenneth M. DeHaas (non-tenure), Adjunct Assistant Professor at 30% with academic rate of \$8,000, effective April 30, 1973. (RBC #421)

2. Transfer of Funds:

From:	Travel	\$900.
To:	Maintenance and Operation	\$900.
For:	To provide funds for essential operations of the department, including telephone expense, for the remainder of the fiscal year.	

(RBC #402)

Department of English

3. Melba Hammack (Tenure), Associate Professor with academic rate of \$10,600 retire effective May 31, 1973. (RBC #427)

Department of Music

4. Promote Jack H. Mahan (Tenure) from Professor and Acting Chairman to Professor and Chairman effective May 2, 1973, with no change in academic rate of \$14,900. (RBC #430)

Department of Foreign Languages and Linguistics

4. Transfer of Funds:

From:	Unallocated Departmental Operating Expense - Unallocated Salaries	\$10,949.76
To:	Maintenance and Operation	\$10,949.76
For:	Amount necessary to cover contract services between the International Linguistics Center in Dallas and The University of Texas at Arlington.	

(RBC #420)

Department of Government

5. Transfer of Funds:

From:	Capital Outlay	\$200.
To:	Wages	\$200.
For:	Additional funds needed in Wages to provide temporary help during sick leave of departmental secretary and to provide additional student help during the summer months.	

(RBC #463)

Department of History and Philosophy

6. Carter E. Boren (Tenure), Professor with academic rate of \$13,500 deceased May 1, 1973. Remove from summer budget for the period 7/16-8/31. (RBC #449)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - July 27, 1973

Department of Physical Education - Men

7. Promote Claude R. Gilstrap (Tenure) from Professor and Acting Chairman to Professor and Chairman effective May 1, 1973, with no change in academic rate of \$16,000. (RBC #431)

Department of Psychology

8. Transfer of Funds:

From:	Unallocated Departmental Operating Expense - Unallocated Salaries	\$510.
To:	Travel	\$475.
	Maintenance and Operation	\$ 35.
For:	To provide additional travel funds needed for unexpected travel expenses due to the research papers which have been accepted at the Midwestern Psychological Association meeting and the Rocky Mountain Psychological Association. Additional amount can be used in Maintenance and Operation to supplement original budgeted amount.	

(RBC #429)

Department of Sociology

9 Transfer of Funds:

From:	Wages	\$900.
To:	Maintenance and Operation	\$900.
For:	Savings have accumulated in Wages due to the availability of grant funds to the department. Due to the increase in the number of faculty and student enrollment additional funds are needed in Maintenance and Operation for the remainder of this fiscal year.	

(RBC #432)

Department of Communication

10. Terminate Harold L. Hensley (non-tenure), Instructor with academic rate of \$8,000 effective May 31, 1973. (RBC #436)

11. Terminate Frederick A. Haskett (non-tenure), Instructor with academic rate of \$9312 effective May 31, 1973. (RBC #437)

SCIENCEDepartment of Mathematics

12. Lloyd L. Lassen (Tenure), Professor with academic rate of \$13,300 deceased May 14, 1973. Remove from summer budget for the period of 6/1 - 8/31. (RBC #464)

Department of Physics

13. Transfer of Funds:

From:	Unallocated Departmental Operating Expense - Unallocated Salaries	\$500.
	Travel	\$600.
To:	Maintenance and Operation	\$500.
	Travel	\$600.

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

July 27, 1973

For: To provide funds to cover operating expenses necessary for the operation of the department through the fiscal year; and additional travel funds are needed to cover trips not anticipated at the time the budget was prepared.
(RBC #419)

14. Transfer of Funds:

From: Capital Outlay \$1000.
To: Wages \$1000.
For: To provide funds for laboratory assistants and other student aid for the remainder of the spring semester.
(RBC #401)

BUSINESS ADMINISTRATIONDepartment of Business Administration

15. Terminate Philip T. Colbert (non-tenure), Instructor with academic rate of \$8200 effective May 31, 1973. (RBC #460)

ENGINEERINGEngineering Special Operations

16. Transfer of Funds:

From: Unallocated Departmental
Operating Expense-Unallocated
Salaries \$10,000.
To: Capital Outlay \$10,000.
For: To provide funds for special allocation for laboratories to meet Engineer's Council for Professional Development requirement for accreditation.
(RBC #418)

LIBRARYLibrary-All Other

17. Accept the resignation of Dorothy L. Ballard, Professional Librarian with annual rate of \$10,900 effective May 31, 1973. (RBC #438)

PLANT FUNDSAdditional Campus Lighting

18. Transfer of Funds:

From: Acct 0567 Unappropriated Plant Funds
Reserve for Project Allocation \$17,053.04
To: Maintenance and Operation \$17,053.04
For: To provide additional funds in this account so that adequate lighting may be placed around the parking lot directly south of the Business Life Sciences Building and University Hall. Total estimated cost of the project will be approximately \$23,500. There is \$7,299.36 already available in the Account.
(RBC #417)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

July 27, 1973 Board Meeting

Additional Campus Parking Lot

19. Transfer of Funds:

From:	Acct 0566 Unappropriated Plant	
	Funds - Local	\$49,000.
To:	Maintenance and Operation	\$49,000.
For:	The proposed parking lot is to be located on the block bounded by Second Street on the north, Pecan Street on the east, Third Street on the south, and Oak Street on the west. The proposed lot will contain 203 spaces.	

(RBC #416)

RECOMMENDED AMENDMENTS TO THE 1973 SUMMER BUDGET

Board Meeting - July 27, 1973

LIBERAL ARTSDepartment of Architecture

1. Re-appoint Onny B. Smith (non-tenure), Adjunct Assistant Professor with academic rate of \$9,000 at 100% with stipend of \$1,500, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #423)

2. Remove Edward B. Wallace (non-tenure), Instructor with academic rate of \$8,400 from the summer budget at 100% with stipend of \$1,400 for the period 6/1 - 7/15. (RBC #422)

Department of English

3. Remove Clarence S. Turner (Tenure), Professor with academic rate of \$17,800 from the summer budget for the period 7/16 - 8/31 at 100% with stipend of \$2966. (RBC #439)

4. Change the status of George Fortenberry (Tenure), Professor with academic rate of \$14,400 from 50% with stipend of \$1,200 to 100% with stipend of \$2,400, 1 1/2 months, effective July 16, 1973. Additional funds available from Unallocated Faculty Salaries. (RBC #440)

5. Remove Robert McDowell (Tenure), Professor with academic rate of \$13,400 from the summer budget for the period 7/16 - 8/31 at 100% with stipend of \$2,233. (RBC #441)

6. Re-appoint Paul S. Blakney (Tenure), Associate Professor with academic rate of \$13,400 at 50% with stipend of \$1116, 1 1/2 months, effective June 1, 1973. Funds available from Unallocated Faculty Salaries. (RBC #442)

7. Re-appoint Don R. Swadley (Tenure), Associate Professor with academic rate of \$13,200 at 100% with stipend of \$2200, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #443)

8. Re-appoint James M. Moffett (Tenure), Associate Professor with academic rate of \$11,600 at 100% with stipend of \$1,933, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #444)

9. Remove Harry R. Beaudry (Tenure), Associate Professor with academic rate of \$11,300 from the summer budget for the period 6/1 - 7/15 at 100% with stipend of \$1883. (RBC #445)

10. Remove Isabelle P. French (Tenure), Assistant Professor with academic rate of \$10,100 from the summer budget for the period 6/1 - 7/15 at 100% with stipend of \$1683. (RBC #446)

Department of Foreign Languages and Linguistics

11. Re-appoint Alvin D. Jett (Tenure), Associate Professor with academic rate of \$14,700 at 100% with stipend of \$2450, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #424)

12. Re-appoint Sandra W. Prihoda (non-tenure) as Lecturer at 100% with stipend of \$2640, 3 months, effective June 1, 1973. Funds available from Unallocated Faculty Salaries. (RBC #447)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1973 SUMMER BUDGET

Board Meeting - July 27, 1973

13. Appoint Barbara B. Fry (non-tenure) as Lecturer at 50% with stipend of \$660, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #448)

Department of History and Philosophy

14. Correct the status of Richard G. Miller in the summer budget from Assistant Professor and Chairman (non-tenure) with academic rate of \$12,200, stipend of \$4066 for the period 6/1 - 8/31 to Associate Professor and Chairman (Tenure) with academic rate of \$16,000, stipend of \$5332 for the period 6/1 - 8/31. (Promoted to Associate Professor and Chairman with Tenure as of March 1, 1973.) Additional funds available from Unallocated Faculty Salaries. (RBC #425)

Department of Sociology

15. Remove Yin Sog Rhee (non-tenure), Instructor with academic rate of \$10,700 from the summer budget as of June 1, 1973. Resigned effective May 31, 1973. (RBC #433)

16. Re-appoint Donald O. Henry (non-tenure), Lecturer at 100% with stipend of \$1230, 1 1/2 months, with academic rate of \$7380 effective June 1, 1973. Funds available within the department. (RBC #434)

17. Re-appoint Robert Trotter (non-tenure) as Lecturer at 100% with stipend of \$1,000, 1 1/2 months, with academic rate of \$6000 effective June 1, 1973. Funds available from Unallocated Faculty Salaries. (RBC #435)

18. Re-appoint William Stacey (Tenure), Associate Professor at 100% with stipend of \$2216, 1 1/2 months, with academic rate of \$13,300 effective June 1, 1973. Funds are available from budgeted faculty salaries within the department, plus additional funds from Unallocated Faculty Salaries. (RBC #450)

SCIENCEDepartment of Biology

19. Increase the percent of time of Louis H. Bragg (Tenure), Associate Professor with academic rate of \$13,600 from 50% with stipend of \$1133 to 100% with stipend of \$2266, 1 1/2 months, effective July 16, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #407)

20. Increase the percent of time of Thomas R. Hellier, Jr. (Tenure), Associate Professor with academic rate of \$14,800 from 50% with stipend of \$1233, 1 1/2 months; to 100% with stipend of \$2466, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #406)

21. Re-appoint William B. McCrady (Tenure), Professor with academic rate of \$14,800 at 50% with stipend of \$1233, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #405)

22. Change the status of Thomas E. Kennerly, Jr. (Tenure), Professor with academic rate of \$16,000 from 50% with stipend of \$1333 to 100% with stipend of \$2666, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #404)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1973--SUMMER BUDGET

Board Meeting - July 27, 1973

23. Remove William F. Pyburn (Tenure), Professor with academic rate of \$16,500 from the summer budget for the period 7/16 - 8/31 at 50% with stipend of \$1375. (RBC #403)

Department of Geology

24. Re-appoint Robert W. Scott (non-tenure), Assistant Professor with academic rate of \$12,400 at 50% with stipend of \$1033, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #426)

Department of Mathematics

25. Change the status of Lloyd L. Lassen (Tenure), Professor with academic rate of \$13,500³⁸⁸ from 25% with stipend of \$554 to 75% with stipend of \$1662, 1 1/2 months, effective July 16, 1973. Additional funds available from Unallocated Faculty Salaries. (RBC #415)

26. Change the status of James L. Shawn (Tenure), Professor with academic rate of \$14,500 from 25% with stipend of \$604 to 75% with stipend of \$1812, 1 1/2 months, effective July 16, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #414)

27. Change the status of Thurman M. Jasper (Tenure), Associate Professor with academic rate of \$12,400 from 25% with stipend of \$516 to 75% with stipend of \$1549, 1 1/2 months, effective July 16, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #413)

28. Re-appoint James C. Nicholson (Tenure), Assistant Professor with academic rate of \$12,000 at 50% with stipend of \$1000, 1 1/2 months, effective July 16, 1973. Funds available from Unallocated Faculty Salaries. (RBC #409)

29. Re-appoint William Lawley (Tenure), Associate Professor with academic rate of \$12,800 at 50% with stipend of \$1066, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #408)

Department of Physics

30. Increase the percent of time of Roy S. Rubins (Tenure), Associate Professor with academic rate of \$14,000 from 50% with stipend of \$1166 to 100% with stipend of \$2333, 1 1/2 months, effective July 16, 1973. Additional funds available from Unallocated Faculty Salaries. (RBC #412)

31. Re-appoint Erwin G. Doughty (Tenure), Assistant Professor with academic rate of \$12,900 at 50% with stipend of \$1075, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #411)

BUSINESS ADMINISTRATIONDepartment of Accounting

32. Appoint Jeff L. Harkins (non-tenure) as Lecturer at 25% with stipend of \$675, 3 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #451)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1973 SUMMER BUDGET

Board Meeting - July 27, 1973

-
33. Appoint Robert E. McGillivray (non-tenure) as Assistant Professor with academic rate of \$13,000 at 50% with stipend of \$2166, 3 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #452)
34. Re-appoint Arthur L. Griffin, Jr. (non-tenure), Lecturer, at 50% with stipend of \$675, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #453)
35. Re-appoint Joseph R. Razek (non-tenure), Assistant Professor with academic rate of \$13,500 at 100% with stipend of \$2250, 1 1/2 months, effective July 15, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #454)

Department of Business Administration

36. Re-appoint George Martinez (non-tenure), Instructor with academic rate of \$9,000 at 100% with stipend of \$1500, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #455)
37. Re-appoint Paula Ann Hughes (non-tenure), Assistant Professor with academic rate of \$13,200 at 100% with stipend of \$2200, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #428)
38. Re-appoint Thomas H. Strickland (non-tenure), Instructor with academic rate of \$8500 at 50% with stipend of \$1416, 3 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #410)
39. Re-appoint John V. Dowdy (non-tenure) as Lecturer at 50% with stipend of \$750, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #456)
40. Remove William T. Tucker (non-tenure), Visiting Assistant Professor from the summer budget for the period 7/16 - 8/31 at 100% with stipend of \$2250, academic rate of \$13,500. (RBC #457)
41. Appoint William L. Ashley (non-tenure) as Assistant Professor with academic rate of \$13,500 at 100% with stipend of \$2250, 1 1/2 months, effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #458)
42. Re-appoint William P. Green (Tenure), Associate Professor with academic rate of \$16,300 at 50% with stipend of \$1358, 1 1/2 months, effective June 1, 1973. Funds are available from budgeted faculty salaries within the department. (RBC #459)
43. Re-appoint Roger A. Iverson (non-tenure) as Instructor at 100% with stipend of \$1416, 1 1/2 months, effective June 1, 1973, with academic rate of \$8500. Funds are available from budgeted faculty salaries within the department. (RBC #461)

The University of Texas at Arlington
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

200

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
301-203	Expansion of Central Plant and Extension of Utilities - Fine Arts Building		CFB	\$ 2,800,000.00
301-227	Activities Building		CTB	4,318,000.00
301-236	Extension of Utilities to Activities Building		CTB	652,000.00
301-209	Depression of Cooper Street		CTB	700,000.00
			CFB	785,000.00
	Landscaping		CFB	1,000,000.00
301-260	Renovation of Engineering Technology Building		CFB	292,660.00

Legend:

(CFB) Combined Fee Bond Proceeds
 (CTB) Constitutional Tax Bond Proceeds

THE UNIVERSITY OF TEXAS AT ARLINGTON
PARKING AND TRAFFIC REGULATIONS
1973-74

I. GENERAL INFORMATION

Pursuant to the provisions of the Texas Education Code, the Board of Regents of The University of Texas System has promulgated these regulations pertaining to the operation and parking of vehicles on the grounds, streets, drives, alleys, and other institutional property of The University of Texas at Arlington. These regulations are to insure the safety of all persons who use the campus and to provide for optimum use of limited parking facilities. The regulations apply on all parts of the campus throughout the day and night, and are supplementary to all laws and regulations of the State of Texas and the City of Arlington that govern the use of vehicles.

Motor vehicles of all types, including motorcycles, motor scooters, and motor bicycles, are subject to the provisions of these regulations and must have a properly displayed current registration decal in order to park or drive on the campus of The University of Texas at Arlington. As used in these regulations, the term "campus" or "University campus" means all property owned or controlled by The University of Texas at Arlington.

Neither The University of Texas at Arlington nor its officers or employees shall assume any responsibility for the care or protection of any vehicle or its contents at any time that such vehicle is operated or parked upon the campus.

II. GENERAL REGULATIONS

1. The speed limit on all parts of the campus is 20 miles per hour except where slower speed zones are designated. Pedestrian traffic shall have the right of way at all times.
2. The provisions of these regulations must be complied with on all parts of the campus throughout all hours of the day and night.
3. Because of the temporary nature of assigned parking areas, erected parking signs take precedence over any issued parking map.
4. On special occasions and during emergency periods the Chief of the University Police may prohibit or limit traffic and parking on the campus or any portion thereof.
5. The University Police have authority to direct and control the flow of traffic upon the campus at all times in accordance with existing conditions.
6. The University of Texas at Arlington reserves the right to remove all vehicles parked in violation of these regulations, all vehicles parked so as to obstruct ingress or egress to any building, and all vehicles parked so as to obstruct vehicular or pedestrian traffic. The owners of such vehicles shall be responsible for payment of all costs incurred in the removal and storage of such vehicles and neither the University nor its authorized personnel shall be liable for any loss or damage resulting from such removal or storage.
7. No vehicle may be operated or parked upon the campus unless it bears a properly displayed current registration decal or visitors permit.
8. No vehicle shall be parked on the campus except where posted signs indicate that parking is permissible.
9. No vehicle shall be parked in any areas on the campus except those in which the registration decal authorizes such vehicle to be parked.

10. Loading zones and service drives may be used only by trucks, pickups, and trailers during the time while actually loading or unloading.
11. No vehicle shall be parked so as to obstruct vehicular or pedestrian traffic, or the ingress or egress to any building.
12. Every vehicle is required to stop completely at each STOP sign, pause briefly, and then proceed with caution.

III. REGISTRATION OF VEHICLES

1. Registration decals entitling the owner of a vehicle to operate and park such vehicle on the campus of The University of Texas at Arlington must be obtained from the Office of The University Police, E. E. Davis Hall, on or before the date that a vehicle is to be operated or parked on the campus.
2. Students, faculty and staff may obtain registration decals for their vehicles upon completion of the registration forms and payment of the required parking fee. In the case of faculty and staff, only vehicles which are owned by the faculty or staff member, or his spouse, may be registered. A student may register a vehicle only if it is owned by the student, his spouse, or his parents. Proof of ownership is required at the time of registration of any vehicle.
3. Persons who pay the required fee for one vehicle may obtain multiple registration decals for other vehicles which they may own. A fee of \$1.00 will be charged for each additional vehicle so registered. Multiple registration entitles the holder to **PARK ONLY ONE VEHICLE ON CAMPUS AT ANY GIVEN TIME.** Persons who have previously registered only one vehicle may obtain multiple registration for other vehicles which they own, provided that they (a) turn in the remnants of the old decal, (b) pay the additional fee of \$1.00 for each vehicle, and (c) provide proof of ownership.
4. Rider-Pool students who pay the required fee for one vehicle may obtain a special Rider-Pool decal for other vehicles used in the Rider-Pool. A fee of \$1.00 will be charged for each additional vehicle, but no more than four additional vehicles may be so registered. **ONLY ONE OF SUCH VEHICLES MAY BE PARKED ON CAMPUS AT ANY GIVEN TIME.**
5. Individuals having physical handicaps may apply for special parking assignments by submitting a letter to the University Police office setting forth the reason for the request. Written confirmation of the person's handicap must be obtained from the University Health Center before the University Police will issue a handicap decal. Vehicles bearing a handicap decal may park in spaces designated for the handicapped.
6. Temporary Parking Permits good for a period of seven consecutive days may be obtained for a fee of \$1.00. Such permits will allow students, faculty, and staff members who have not previously registered their vehicles to bring that vehicle on campus for short periods of time.
7. Effective September 1, 1973, the fees for registration and parking for motor vehicles on the campus of The University of Texas at Arlington shall be as shown in Table I. All parking fees are payable at the Bursar's Office, E. E. Davis Hall, prior to the registration of the motor vehicle with the University Police.
8. Students, faculty or staff members who terminate their enrollment or their employment, as the case may be, at the end of the fall semester or the beginning of the spring semester and who have paid a vehicle registration fee for the long session may receive a partial refund of the fee in accordance with Table II provided they turn in the remnants of their decal on or before the final day for registration for the spring semester.

TABLE I

	CARS				MOTORCYCLES	
	STUDENTS		EMPLOYEES		DAY	NIGHT
	DAY	NIGHT	FULL-TIME	PART-TIME		
Long Session	15.00	8.00	15.00	8.00	8.00	4.00
Spring Only	8.00	5.00	8.00	5.00	4.00	2.00
First Summer	4.00	3.00	4.00	3.00	2.00	2.00
Second Summer	3.00	3.00	3.00	3.00	1.00	1.00

TABLE II

	CARS				MOTORCYCLES							
	STUDENTS		EMPLOYEES		FULL-TIME		PART-TIME		DAY		NIGHT	
	Fee	Refund	Fee	Refund	Fee	Refund	Fee	Refund	Fee	Refund	Fee	Refund
Long Session	15.00	7.00	8.00	3.00	15.00	7.00	8.00	3.00	8.00	3.00	4.00	1.50
Spring Only	8.00	-0-	5.00	-0-	8.00	-0-	5.00	-0-	4.00	-0-	2.00	-0-
First Summer	4.00	-0-	3.00	-0-	4.00	-0-	3.00	-0-	2.00	-0-	2.00	-0-
Second Summer	3.00	-0-	3.00	-0-	3.00	-0-	3.00	-0-	1.00	-0-	1.00	-0-

9. Any change affecting the registration or ownership of a vehicle for which a decal has been issued must be reported promptly to the University Police. Failure to report such a change will result in cancellation of parking privileges.

IV. PARKING AREAS

- Controlled parking areas include all parking lots on the campus and all streets abutting the campus. Signs have been placed to designate controlled parking areas.
- Each person who has registered a vehicle in accordance with these regulations will be issued a numbered decal which will permit the vehicle to be parked in the area designated by the decal. Student parking areas are: A, B, H, L, M, and T. Staff and Faculty parking areas are: 0, 1, 2, 3, 4, 5, 6, and 7.
- No vehicle may be parked in an area other than that designated by the decal on the vehicle.
- After 3:00 p.m. lots 3, 4, and 99 are "dual lots" and may be used by anyone having a valid registration decal on the vehicle.
- Dormitory students with valid dormitory decals may use any "A" lot between 2:30 p.m. and 7:00 a.m. daily.
- Lipscomb Dormitory permit holders may use any "A" lot at any time.
- Faculty and staff members who have obtained parking decals may use any faculty/staff parking lot on campus between 12:00 noon and 7:00 a.m. daily.

V. PARKING TECHNIQUES

- Parked vehicles will be positioned so that the whole of the vehicle is located within the boundaries of the parking space. The fact that other vehicles are parked improperly shall not constitute an excuse for parking with any part of the car over the line.

2. Where parallel parking is required, vehicles must be parked with right wheels to the curb where two-way traffic is permitted, and on one-way streets the automobile must be parked with the front end forward in the direction in which traffic is allowed.
3. Where diagonal parking is required, the wheel nearest the curb may not be removed more than 12" from the street face of the curb.
4. No vehicle shall be parked:
 - A. With rear end to the curb in diagonal parking spaces
 - B. For periods longer than those specifically designated
 - C. With double or other forms of multiple parking
5. Vehicles not parked in accordance with the above requirements will be in violation of these regulations.

VI. PARKING DECALS

1. A permit to park on campus will not be honored unless the decal is permanently affixed to the lower left-hand corner of the back glass, except convertibles and station wagons or any other vehicle whose rear window is concealed. For these vehicles the decal must be permanently affixed to the lower right-hand corner of the windshield.
2. Parking permit decals for motorcycles, motorbikes, and motor-scooters without windshields must be permanently affixed to the vehicle's gas tank or in a location in which the decal may be easily seen and the number on the decal easily read. Application directions are provided on the peel off portion of the decal.
3. The decal may not be affixed by tape or other unauthorized material.
4. Permits are not transferable and must be affixed to the vehicle for which they are issued.
5. All old permits must be removed before the new one is affixed. Failure to remove old permits constitutes a violation.
6. The person in whose name the parking permit decal is issued is responsible for all the parking and traffic violations of that motor vehicle for which the permit was issued. If the operator of a motor vehicle involved in a violation is not the person in whose name that parking permit decal was issued, then both the operator and the person in whose name the permit was issued are responsible for the violation.
7. A replacement decal will be issued without charge whenever there is a sale or transfer of the vehicle, a replacement of the rear window or windshield, or defective decal, provided the remnants of the original decal are turned in to the University Police Office. Otherwise, a \$1.00 fee will be charged and proof of ownership of the vehicle to be registered must be shown.
8. A decal holder is eligible for up to three reissues; thereafter, the \$1.00 fee must be paid for each decal reissued.
9. If after having bought a parking permit, it becomes necessary to use a non-registered vehicle for emergency or other reasons, a special parking permit must be obtained from the University Police Office and affixed to the vehicle in the proper manner. A special temporary permit will be given for periods not to exceed five (5) school days and no more than three (3) in succession.

VII. VISITOR PARKING

1. A visitor is defined as a person who is neither a student nor an employee of the University, nor is he a person who uses campus parking facilities for the benefit of a student or employee.
2. Certain areas of the campus have been reserved for visitor parking and are identified by signs. Visitors to the campus must park in the designated visitor parking areas. UNDER NO CIRCUMSTANCES ARE STUDENTS OR EMPLOYEES ALLOWED TO PARK IN THE VISITORS AREA.
3. Visitors parking in areas not designated for visitors will be charged with a parking violation. Illegally parked vehicles may also be towed away or impounded at the owner's expense.
4. When groups of visitors are involved, arrangements should be made with the Chief of the University Police, who will issue temporary permits for the visitors to park in other areas if the visitor reserved spaces are not sufficient.

VIII. ENFORCEMENT

1. Police officers of The University of Texas at Arlington are authorized to issue either of two types of tickets for violations of these traffic and parking regulations:
 - A. University tickets which may be satisfied by payment of the stated enforcement fee to the Bursar's Office, subject to a right of appeal to the Traffic and Parking Appeals Committee.
 - B. Court appearance tickets which constitute a summons to appear in a justice or municipal court in the same manner as traffic tickets issued by the Texas Highway Patrol. Criminal penalties, as provided by law, may be imposed by the court for violation of these regulations.

A ticket will be issued by the University Police in all instances where a vehicle is operated or parked on the campus of The University of Texas at Arlington in violation of these regulations.

2. An enforcement and administration fee of \$2.00 will be assessed for each University ticket issued by the University Police. The student, staff or faculty member who receives a University ticket must pay the \$2.00 enforcement fee at the Bursar's Office within five (5) school days from the date of the ticket.
3. A person who wishes to appeal a University ticket must do so within five (5) school days from the date of the ticket. An appeal is perfected by filing a formal written notice of appeal with the Bursar's Office on forms available at that office. Such written appeal must state the circumstances relied upon in defense of the violation for which the ticket was issued. The Chairman of the Appeals Board will notify the appellant by mail as to the date and time his appeal will be considered by the Board.
4. The person appealing may be present at the time the Appeals Board considers his appeal and will be allowed five (5) minutes for a personal presentation of his appeal. If the person appealing is not present when his appeal comes before the Appeals Board for consideration, the appeal will be decided on the basis of the written statement contained in the notice of appeal.

5. If the Appeals Board finds the person appealing guilty of the charged violation, the \$2.00 enforcement fee must be paid to the Bursar's Office within five (5) days of the decision of the Appeals Board.
6. The enforcement fees assessed for violation of these regulations constitute an indebtedness to The University of Texas at Arlington. In the event that a person fails to pay such fees within the time prescribed herein, The University of Texas at Arlington will take any or all of the following actions:
 - A. Suspend the privilege of driving or parking on the campus;
 - B. Withhold any remuneration, refund, or monetary payment to which the person may be entitled;
 - C. Deny readmission to The University of Texas at Arlington;
 - D. Withhold the individuals grades and /or transcript;
 - E. Withhold any degree to which the person may be entitled.
7. In the event that the privilege to drive and park on the campus has been suspended, such privilege may be reinstated by payment to the Bursar's Office of all unpaid enforcement fees plus a reinstatement fee of \$5.00.
8. A person who has failed to pay enforcement fees assessed hereunder shall not be eligible to receive a permit to drive or park a vehicle on campus.
9. A court appearance ticket may be issued to any person who has failed to pay enforcement charges which equal or exceed the sum of \$6.00. Upon issuance of three (3) court appearance tickets within a permit year, the offender's campus driving and parking privilege will be suspended for the remainder of that permit year.

IX. SPECIFIC VIOLATIONS

Without limitation upon the authority of the University Police to issue tickets for violations of any of the provisions of these regulations or the traffic ordinances and laws of the City of Arlington and the State of Texas, the University Police will issue tickets for the following specific offenses:

- A. Parking in areas bordered in yellow
- B. Parking in areas not designated for the decal issued
- C. Parking in loading zones
- D. Parking in driveways
- E. Forging or altering a permit, or using a forged or altered permit
- F. Committing any of the following acts with the intention of providing any person with parking privileges to which he is not entitled under these regulations:
 - a. Transferring a permit
 - b. Affixing a permit to a vehicle other than that for which it was issued
 - c. Failing to destroy a permit when required to do so by these regulations
 - d. Parking or driving a vehicle to which there has been affixed a permit other than that issued for such vehicle, with knowledge thereof
- G. Parking on wrong side of street
- H. Blocking cross-walk
- I. Failing to park within the lines of individually marked spaces
- J. Parking on campus when parking privileges have been suspended
- K. Altering, damaging, moving, or ignoring University traffic signs or markings
- L. Failing to display parking permit in prescribed manner or location
- M. Failing to obey requests and/or directions of a University Police Officer

- N. Parking in a backed-in position
- O. Over-parking in a time-limited zone
- P. Parking an unregistered vehicle
- Q. Failing to stop before passing stop sign
- R. Operating motor vehicle in prohibited direction on one-way street or parking lot lanes
- S. Driving on sidewalks
- T. Failing to yield right-of-way to pedestrians
- U. Driving vehicle into barricaded area or removing barricades
- V. Violating any of the provisions of the Official Texas Motor Vehicle Laws Booklet
- W. Driving in an imprudent manner
- Y. Failing to stop or heed other instructions given by a University Police Officer and/or refusing to show drivers license upon request of the officer

U. T. ARLINGTON - ALLOCATION OF BUILDING USE AND GENERAL FEES AND THE ADOPTION OF RESOLUTION FIXING RATES IN CONNECTION WITH BOARD OF DIRECTORS OF THE TEXAS A&M UNIVERSITY SYSTEM, ARLINGTON STATE COLLEGE STUDENT FEE REVENUE BONDS, SERIES 1964, BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS, ARLINGTON STATE COLLEGE STUDENT FEE REVENUE BONDS, SERIES 1966, BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT ARLINGTON STUDENT FEE REVENUE BONDS, SERIES 1968, AND BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT ARLINGTON COMBINED FEE REVENUE BONDS, SERIES 1971, SERIES 1971-A, AND SERIES 1973.--In accordance with the provisions of Section 55.16, Texas Education Code, as amended by House Bill 83 adopted by the 63rd Legislature, Regular Session, 1973, it is recommended, effective with the Fall Semester 1973, that the student building use fees and the general fee be assessed and collected at a rate of \$5.00 per semester credit hour for each regular fall and spring semester and for each term of each summer session and allocated as hereinafter set out and that the Gymnasium Use Fee and the Student Center Use Fee be maintained at the current rate of \$4.00, respectively, per student at each regular fall and spring semester and \$2.00, respectively, per student at each term of each summer session and that the following resolution be adopted in connection therewith:

RESOLUTION

THE STATE OF TEXAS |
 |
THE UNIVERSITY OF |
TEXAS SYSTEM |

WHEREAS, it is hereby found and determined that the Student Building Use Fees hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with those issues of Board of Directors of The Texas A&M University System - Arlington State College Student Fee Revenue Bonds, Series 1964, Board of Regents of The University of Texas - Arlington State College Student Fee Revenue Bonds, Series 1966, and Board of Regents of The University of Texas System - The University of Texas at Arlington Student Fee Revenue Bonds, Series 1968, and

WHEREAS, it is hereby found and determined that the General Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with the Board of Regents of The University of Texas System, The University of Texas at Arlington Combined Fee Revenue Bonds, Series 1971, Series 1971-A, and Series 1973.

THEREFORE, BE IT RESOLVED BY THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM:

That commencing with the registration for the regular Fall Semester 1973, the following Student Building Use Fees, which, together with other revenues, are pledged to the payment of the aforesaid Series 1964, 1966, and 1968 Bonds, are hereby fixed, levied, charged, and ordered to be collected from each student

enrolled at The University of Texas at Arlington, for the use and availability of facilities on the campus of The University of Texas at Arlington, as follows:

- (a) A Business and Science Building Use Fee of \$0.08 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.
- (b) A Library Use Fee of \$0.14 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.
- (c) An Auditorium Use Fee of \$0.14 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.
- (d) A Hospital Use Fee of \$0.14 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, a General Fee for the general use and availability of the University facilities is hereby fixed and shall be collected from each student regularly enrolled at The University of Texas at Arlington, as follows:

\$4.50 per semester credit hour for each of the regular fall and spring semesters, and for each term of each summer session.

THE UNIVERSITY OF TEXAS AT AUSTIN

Office of the President

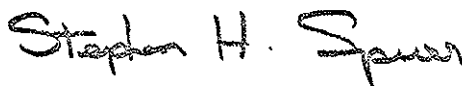
July 27, 1973

Charles A. LeMaistre, M.D.
Chancellor
The University of Texas System
Austin, Texas 78701

Dear Dr. LeMaistre:

The following docket for The University of Texas at Austin is submitted for your approval and submission to the Board of Regents at its meeting on July 27, 1973. The docket consists of 111 pages.

Sincerely yours,



Stephen H. Spurr
President

THE UNIVERSITY OF TEXAS AT AUSTIN

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July 27, 1973

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THE UNIVERSITY OF TEXAS AT AUSTIN
July 27, 1973

GIFTS TO THE UNIVERSITY OF TEXAS AT AUSTIN

The following gifts have been received at The University of Texas at Austin. I recommend acceptance and that the thanks and appreciation of the Board be sent the donors by the Secretary.

A single asterisk preceding the name of the donor indicates no letter of transmittal from the donor. Two asterisks following the dollar amount indicate a noncash gift. In the case of unsold stock, the dollar amount stated is an appraisal or book value.

	DONOR	PURPOSE AND CONDITIONS	AMOUNT
1	Alcoa Foundation A. M. Doty, President Alcoa Building Pittsburgh, Pennsylvania 15219	College of Engineering Contribution to provide five \$750 scholarships in the College of Engineering and a \$1,750 fellowship in the Department of Mechanical Engineering; also, a \$750 grant for the University	\$6,250.00
2	American Enterprise Insti- tute for Public Policy Research Thomas F. Johnson Director of Research 1150 17th Street, N.W. Washington, D. C. 20036	College of Business Administration Funds to support a Latin America-United States Conference on Economic Interdependence	30,300.00
3	Mrs. Mary B. Auler 1106 West 29th Street Austin, Texas 78703	U. T. Austin Contribution to establish a memorial fund in honor of Dr. Hugo A. Auler, to be used for biochemical and biomedical research and engineering	10,000.00
4	* Mrs. Mary B. Auler 1106 West 29th Street Austin, Texas 78703	College of Engineering Contribution to the Bureau of Engineering Research for the heart research program under direction of Dr. Thomas Runge	5,000.00
5	* Continental Oil Company J. P. Malott Vice President, Production P. O. Box 2197 Houston, Texas 77001	College of Engineering Contribution to renew mem- bership in the Industrial Associates Program	10,000.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
6 * Corporation for Public Broadcasting Henry Loomis, President 888 16th Street, N.W. Washington, D.C. 20006	School of Communication Contribution to Communication Center to continue the support of Radio Station KUT-FM	\$7,500.00
7 * The William Stamps Farish Fund J. O. Winston, Jr. Vice President Houston Natural Gas Building, Suite 220 Houston, Texas 77002	College of Natural Sciences Contribution to Department of Geological Sciences to continue support of the William Stamps Farish, Sr., Professorship in Geology	12,000.00
8 Gulf Oil Corporation Foundation A. Lewis, Jr., President Gulf Building Pittsburgh, Pennsylvania 15230	U. T. Austin Contribution to match gifts previously made to U. T. Austin by Gulf employees	7,575.00
9 Jewish Welfare Federation of Dallas Murray Munves, President 11411 North Central Expressway, Suite 116 Dallas, Texas 75231	College of Humanities Contribution to be used for the benefit of the Hebrew Development Fund of the Arts and Sciences Foundation	5,000.00
10 James R. Moffett 3400 The Plaza Tower New Orleans, Louisiana 70113	College of Natural Sciences Contribution of 2,500 shares of McMoRan stock for the Department of Geological Sciences, to be divided equally between the David S. Thayer Memorial Scholarship Fund and the Wallace E. Pratt Professorship in Geophysics	20,000.00**
11 * Prestressed Concrete Institute 20 North Wacker Drive Chicago, Illinois 60606	College of Engineering Contribution to the Bureau of Engineering Research for a program of research on uses of prestressed concrete	5,000.00
12 Tenneco Oil Company J. A. Leask, Manager Production Operations P. O. Box 2511 Houston, Texas 77001	College of Engineering Annual contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
13 Texas Eastman Company David Hull, President P. O. Box 7444 Longview, Texas 75601	College of Engineering Contribution to renew membership in the Industrial Associates Program	10,000.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
14 * Union Carbide Corporation Donald L. Wiley Vice President and General Manager of Production Chemicals 270 Park Avenue New York, New York 10017	College of Engineering Contribution to the fund for the W. A. Cunningham Professorship	\$5,000.00
15 Zale Foundation Bill Gutow Executive Director 3000 Diamond Park Dallas, Texas 75247	College of Business Administration Contribution for the Oral History Program, to match funds provided by the Moody Foundation for this program	5,000.00
The following nonmonetary gifts have also been received:		
16 * Louis Alexander 704 Mulberry Lane Bellaire, Texas 77401	Humanities Research Center Gift of numerous pamphlets, news releases, photographs, and other miscellaneous materials relating to space explorations and aviation	375.00**
17 * James C. Boudreau 421 Woodlawn Avenue Belleaire Clearwater, Florida 33517	Humanities Research Center Seven prints by Lemon depicting events of historic importance in aviation to be added to the History of Aviation Collection	350.00**
18 * Mrs. J. Frank Dobie 702 East 26th Street Austin, Texas 78705	Humanities Research Center Gift of a book, <u>The Birds of New Mexico</u> , inscribed by J. Frank Dobie to Mrs. Dobie, to be added to the Dobie Collection	300.00**
19 * John W. F. Dulles 1904 Hill Oaks Court Austin, Texas 78703	Humanities Research Center Gift of beautiful furnishings and objects of art to be added to the Dulles Room	7,250.00**
20 Adrian H. Goldstone 35 Lee Street Mill Valley, California 94941	Humanities Research Center Gift of several beautifully illustrated volumes and other materials for the Library	375.00**
21 Lloyd A. Jeffress Professor of Psychology Department of Psychology U. T. Austin	College of Social and Behavioral Sciences Gift to the Department of Psychology of a DEC PDP8m computer and an ASR33 teletype for use in the psycho-acoustics laboratory	6,255.00**

DONOR	PURPOSE AND CONDITIONS	AMOUNT
22 * Ben Carlton Mead 4119 Highgrove Drive Dallas, Texas 75220	Humanities Research Center Original drawing of Ben Sublett made by Mr. Mead to illustrate J. Frank Dobie's book, <u>Coronado's Children</u> , to be added to the Dobie Collection	\$ 600.00**
23 * Jagdish Mehra Department of Physique University of Geneva Geneva, Switzerland	Humanities Research Center Two typed copies of manuscript and related tape-recorded con- versations used in connection with <u>Conceptual Development of Statistical Mechanics</u>	4,250.00**
24 * Holland Page 8305 North Lamar Austin, Texas 78755	Humanities Research Center Gift of various items of camera equipment for the Photography Collection; also books, aviation manuals, pamphlets, etc. for the History of Aviation Collection	4,272.00**
25 * Alvin H. Parker Ector Aircraft Company 414 East Hillmont Road Odessa, Texas 79760	Humanities Research Center Two airplane engines, with propellers and stands, for the History of Aviation Collection	6,280.00**
26 * Paul P. Rogers 8100 Hillrise Drive Austin, Texas 78759	Humanities Research Center Miscellaneous materials relating to the Spanish Civil War, various items for the Library, and a large collection of Mexican photographs taken by Mr. Rogers which have been placed in the Latin American Collection	1,100.00**

TRAVEL FOR FACULTY AND STAFF. The following trips are reported in accordance with Section 12 of the Budget Rules and Procedures for 1973-74 when expenses are paid from funds not specifically designated for travel; and in accordance with Section 13.38 of Chapter III of Part Two of the Rules and Regulations of the Board of Regents for the Government of The University of Texas when the absence is for a longer period than twenty-nine days.

1. J. Sinclair Black, Acting Dean of Architecture, from May 4, 1973 through May 10, 1973, to San Francisco, California, to attend the annual meeting of the Association of Collegiate Schools of Architecture/American Institute of Architects. Expenses in the approximate amount of \$385.00 are to be paid from School of Architecture Development Fund.

2. Alton J. DeLong, Assistant Professor of Architecture, from April 14, 1973 through April 21, 1973, to Blacksburg, Virginia, to present a paper at the Virginia Polytechnical Institute and State University. Amended expenses in the approximate amount of \$812.68 are to be paid from School of Architecture Development Fund and URI Project SRF grant.

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TRAVEL (Cont'd.)

3. Wolfgang Hilbertz, Visiting Associate Professor of Architecture, from April 14, 1973 through April 21, 1973, to Blacksburg, Virginia, to preside as workshop chairman and present papers at the Virginia Polytechnical Institute and State University. Expenses in the approximate amount of \$845.00 are to be paid from School of Architecture Development Fund and URI Project SRF grant.
4. Daniel E. Leary, Assistant Professor of Architecture, from May 4, 1973 through May 10, 1973, to San Francisco, California, to attend the annual meeting of the American Institute of Architects. Expenses in the approximate amount of \$370.00 are to be paid from School of Architecture Development Fund.
5. John E. Bowlt, Assistant Professor of Slavic Languages, from April 18, 1973 through April 22, 1973, to New York City, New York, to attend the 6th annual meeting of the American Association of Slavic Studies and to collect data from the Museum of Modern Art for research project. Expenses in the approximate amount of \$222.00 are to be paid from SRF grant (J. E. Bowlt).
6. Svatava P. Jakobson, Professor of Slavic Languages, April 23, 1973 only, to Houston, Texas, to attend Conference on Czech Studies. Expenses in the approximate amount of \$48.00 are to be paid from Academic Development Fund.
7. Raja Rao, Professor of Philosophy, from December 1, 1972 through January 15, 1973, to New York City, New York and Tel Aviv, Israel, to present a paper at the University of Tel Aviv. Expenses in the approximate amount of \$222.00 are to be paid from NDEA Title IV Program, O. E. (Rao).
8. Robert T. Rovinsky, Assistant Professor of Germanic Languages, from July 10, 1973 through August 30, 1973, to Gothenburg, Sweden and Minneapolis, Minnesota, to do research on Lagerkvist's dramatic productions in preparation of a book on Lagerkvist. Expenses in the approximate amount of \$350.00 are to be paid from SRF grant (R. T. Rovinsky).
9. William Burton Todd, Professor of English, from July 24, 1973 through September 5, 1973, to Canberra, Australia, to do research on 18th century literature, 19th century literary forgeries, and 20th century bibliography. Expenses in the approximate amount of \$500.00 are to be paid \$200.00 from Project SRF-520 and \$300.00 from the Dean's Office funds.
10. Stanley N. Werbow, Dean and Professor of Germanic Languages, from May 28, 1973 through June 30, 1973, to Germany and Switzerland, to attend a conference on Computer-assisted Study of Medieval German; visit computer center in Saarbrücken; consult with colleagues on research in Marburg; and vacation in Switzerland. No expense to the University.
11. Robin W. Doughty, Assistant Professor of Geography, from May 4, 1973 through May 6, 1973, to Port Aransas, Texas, to conduct field trip with Geography 366K biogeography class to the National Wildlife Refuge. Expenses in the approximate amount of \$96.40 are to be paid from Academic Development Fund (Doughty).

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TRAVEL (Cont'd.)

12. Robin W. Doughty, Assistant Professor of Geography, from May 28, 1973 through August 30, 1973, to Washington, D. C. , to research at the Smithsonian Institute, Library of Congress to complete work on manuscript. Expenses in the approximate amount of \$146.52 are to be paid from URI, SRF grant.
13. David T. Hakes, Associate Professor of Psychology, from May 29, 1973 through July 13, 1973, to Cambridge, Massachusetts, to consult with colleagues concerning on-going and projected research. Expenses in the approximate amount of \$580.00 are to be paid from Departmental Travel Fund and OEG grant.
14. Aravind R. Kulkarni, Assistant Professor of Anthropology, from May 15, 1973 through August 25, 1973, to Chandigarh, Punjab, India, to work on a summer research project at Punjab University. Expenses in the approximate amount of \$3,792.40 are to be paid from Departmental Travel Fund and NSF USDP grant.
15. Russell M. Reid, Assistant Professor of Anthropology, from May 23, 1973 through August 31, 1973, to Sri Lanka, Ceylon, to do summer research. Expenses in the approximate amount of \$4,525.00 are to be paid from NSF USDP grant (Reid-Travel).
16. Maureen G. Rice, Graduate Trainee, Psychology Department, from June 17, 1973 through August 17, 1973, to Newark, New Jersey, to study at Rutgers University, Institute of Animal Behavior, under Dr. Harvey Feder and assist in experimental work in his lab for summer training for graduate education. Expenses in the approximate amount of \$220.00 are to be paid \$205.00 from Trainee Travel in Psychology and \$15.00 from Travel (Thiessen).
17. Alexander Vucinich, Professor of History, from June 5, 1973 through June 30, 1973, to Urbana, Illinois, to do research in the Library of the University of Illinois on research project, "Science in Russian Culture," Vol. III. Expenses in the approximate amount of \$195.00 are to be paid from Project SRF grant.
18. J. R. P. Angel, Visiting Associate Professor of Astronomy, from March 27, 1973 through April 23, 1973, to McDonald Observatory, Fort Davis, Texas, to observe regularly scheduled run of 107 inch telescope. Expenses in the approximate amount of \$452.20 are to be paid from NSF USDP Grant, Departmental Travel Fund.
19. Guy L. Bush, Associate Professor of Zoology, from May 30, 1973 through August 10, 1973, to Europe, to collect fruit flies for research. Travel and research funds are to be supplied by German government. No expense to the University.
20. Elliott Ward Cheney, Professor of Mathematics, April 24, 1973 only, to Commerce, Texas, to give lecture to mathematics faculty and students of East Texas State University. Expenses in the approximate amount of \$106.00 are to be paid from Mathematics Academic Development Fund.

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TRAVEL (Cont'd.)

21. Alan Herbert Cowley, Professor of Chemistry, from September 1, 1973 through October 15, 1973, to Braunschweig University, West Germany, to develop new graduate curricula in chemistry and learn new research techniques for the graduate research program. No expense to the University.
22. Claude Desjardins, Associate Professor of Zoology, from June 1, 1973 through August 31, 1973, to Ann Arbor, Michigan, to perform original research and participate in reproductive endocrinology program at the Department of Pathology, University of Michigan. Expenses in the approximate amount of \$250.00 are to be paid from Departmental Travel Fund.
23. Frederik W. de Wette, Chairman and Professor of Physics, from May 30, 1973 through July 14, 1973, to Tel Aviv, Technion, Haifa, Israel; Utrecht, Groningen, The Netherlands; Brussels, Antwerp, Belgium; to present colloquium talks in the universities in those cities and participate in the NATO Advanced Study Institute in Antwerp, Belgium. Expenses in the approximate amount of \$925.00 are to be paid \$500.00 from NSF grant - Travel, \$250.00 from NSF grant, and \$175.00 from AFOSR grant.
24. Bryce S. DeWitt, Professor of Physics, from May 12, 1973 through August 5, 1973, to Chinguetti, Mauritania and London, England, to attend viewing of Solar Eclipse on June 30, 1973 and lecture at the Imperial College (London) and Oxford. Expenses in the approximate amount of \$886.10 are to be paid from NSF grant - Foreign Travel.
25. Cecile DeWitt, Professor of Astronomy, from May 12, 1973 through July 5, 1973, to Chinguetti, Mauritania, to view the June 30, 1973 Solar Eclipse. Expenses in the approximate amount of \$1,035.00 are to be paid from NSF grant - Foreign Travel.
26. David Thomas Gibson, Associate Professor of Microbiology, from May 30, 1973 through July 11, 1973, to England and Stockholm, Sweden, to present a paper to the IXth International Congress of Biochemistry in Stockholm, Sweden, and to visit biochemistry departments at the Universities of Leeds, North Wales, Aberyswyth (Great Britain) to discuss research problems and possibilities of graduate student and postdoctoral exchange. Expenses in the approximate amount of \$989.00 are to be paid \$369.00 from Project SRF and \$220.00 from Miscellaneous Program Development, and per diem of \$400.00 from Welch grant.
27. Burke H. Judd, Professor of Zoology, from May 25, 1973 through July 8, 1973, to Long Island, New York, Lausanne, Switzerland, and Rome, Italy, to present a paper at Cold Spring Harbor Symposium in Long Island, and to present seminars on research work at Swiss Institute of Experimental Cancer Research in Lausanne and at the Institute Di Biol. Generale in Rome. Expenses in the approximate amount of \$380.00 are to be paid from NSF grant (Travel). Travel expenses abroad are at no expense to the University.
28. Frederick Albert Matsen, Professor of Chemistry and Physics, from August 1, 1973 through August 31, 1973, to Madison, Wisconsin, to work on research project in collaboration with members of the Theoretical Chemical Institute. Expenses in the approximate amount of \$200.00 are to be paid from NSF grant (Matsen).

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TRAVEL (Cont'd.)

29. Cornelius Fred Moore, Professor of Physics, from July 4, 1973 through September 4, 1973, to Paris, France, Munich, Germany, and Belgrad, Yugoslavia, to attend scientific meetings and present papers at the conferences in these cities. Expenses in the approximate amount of \$1,500.00 are to be paid from Advance Research Projects Agency grant.
30. Daniel Otte, Assistant Professor of Zoology, from May 27, 1973 through August 1, 1973, to Ann Arbor, Michigan, to study South American insects housed in the Museum of Zoology at the University of Michigan. Expenses in the approximate amount of \$2,550.00 are to be paid from GB 27152 - Travel.
31. V. T. N. Reddy, Research Scientist Assistant II, Physics, from June 15, 1973 through July 28, 1973, to Stanford, California, to attend the Stanford Linear Accelerator Summer School, Stanford University. Expenses in the approximate amount of \$240.00 are to be paid from AEC grant - Travel.
32. Galen L. Seever, Associate Professor of Mathematics, from June 1, 1973 through July 23, 1973, to Bonn, Germany, to serve as a visiting professor at the University at Bonn. No expense to the University.
33. William Braisted, Professor of History, Center for Asian Studies, from June 20, 1973 through June 22, 1973, to Washington, D.C., to consult with Mr. Shigeie of the Japanese Embassy with regard to development of a student faculty exchange program with Japan. Expenses in the approximate amount of \$100.00 are to be paid from Academic Development Fund: Japan Fund.
34. Hafez F. Farmayan, Professor, Department of History and Center for Middle Eastern Studies, from May 30, 1973 through May 31, 1973, to Washington, D.C., to hold discussions with the Iranian Ambassador to the U. S. A. concerning fund raising for the Center for Middle Eastern Studies. Expenses in the approximate amount of \$70.00 are to be paid from Program Development funds of the Division of General and Comparative Studies.
35. F. Tomasson Jannuzi, Lecturer, Center for Asian Studies, from May 20, 1973 through May 31, 1973, to Washington, D.C., Boston, Massachusetts, and New York, New York, to attend the Scholar-Diplomat Seminar on South Asia and to engage in exploratory discussions concerning faculty recruitment in Boston and New York City. Expenses in the approximate amount of \$322.00 are to be paid \$196.00 from Academic Development Fund and \$126.00 from Center for Asian Studies - Travel.
36. Mrs. Doris Burk Looney, Assistant Professor of General Business, from June 19, 1973 through June 22, 1973, to Fort Worth and Dallas, Texas, to visit records management installations. Expenses in the approximate amount of \$64.00 are to be paid from Academic Development Fund.
37. Mrs. Melba June Nutt, Instructor in General Business, from June 19, 1973 through June 22, 1973, to Fort Worth and Dallas, Texas, to visit records management installations. Expenses in the approximate amount of \$105.00 are to be paid from Academic Development Fund.

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TRAVEL (Cont'd.)

38. Jerry D. Todd, Associate Professor of Finance, from May 21, 1973 through July 6, 1973, to Madrid, Spain, to participate in the Ninth International Insurance Seminar. Expenses in the approximate amount of \$925.00 are to be paid \$550.00 from Insurance Program, \$125.00 from CBA Foundation Various Donors, and \$250.00 from Texas Legal Reserve.
39. Mauricio Charpenel, Acting Director of Office of Bilingual Education, from May 21, 1973 through May 23, 1973, to New York, New York and Washington, D. C., to confer with officials of the Information Center for Children's Cultures and Cultural Department of the Organization of American States in preparation for a workshop at UT Austin on acquisition of foreign language textbooks and materials for the development of the Foreign Language Education Center. Expenses in the approximate amount of \$355.00 are to be paid from Foreign Language Education Center funds.
40. Arwin A. Dougal, Professor of Electrical Engineering, from June 24, 1973 through June 29, 1973, to Ames, Iowa, to attend and participate in the American Society for Engineering Education Annual Conference at Iowa State University. Expenses in the approximate amount of \$156.00 are to be paid from Academic Development Fund.
41. Thomas F. Edgar, Assistant Professor of Chemical Engineering, from June 5, 1973 through June 7, 1973, to Dallas, Texas, Detroit, Michigan, and Ann Arbor, Michigan, to visit the Lone Star Gas Co. and Texas Utilities Company in Dallas and to attend meetings of CACHE Committee (AIChE) on real time computing and modular instruction. Expenses in the approximate amount of \$183.00 are to be paid \$48.00 from Academic Development Fund, Energy Systems, \$135.00 from DuPont Young Faculty funds.
42. Earnest F. Gloyna, Dean, College of Engineering, from June 20, 1973 through June 29, 1973, to Des Moines and Ames, Iowa, and Longview, Texas, to attend a meeting of the Engineering Education and Accreditation Committee in Des Moines, to attend the ASEE Annual Conference at Iowa State University in Ames, and for personal consulting in Longview. Expenses in the approximate amount of \$540.00 are to be paid from Academic Development Fund.
43. Carl William Morgan, Director, Engineering Career Assistance Center and Cooperative Engineering Education Program, from June 24, 1973 through June 27, 1973, to Ames, Iowa, to attend the annual meeting of the American Society for Engineering Education. Expenses in the approximate amount of \$235.00 are to be paid from Academic Development Fund.
44. William L. Oberkamp, Assistant Professor of Mechanical Engineering, from June 24, 1973 through June 28, 1973, to Ames, Iowa, to attend the annual meeting of the American Society for Engineering Education as a new delegate for the College of Engineering. Expenses in the approximate amount of \$323.00 are to be paid from Academic Development Fund.
45. Gerard A. Rohlich, Professor of Environmental Engineering, from May 15, 1973 through June 15, 1973, to Seattle, Washington, to serve as a Walker-Aimes Visiting Professor at the University of Washington in Seattle. No expense to the University.

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TRAVEL (Cont'd.)

46. Kelly Fearing, Professor of Art, from April 16, 1973 through April 20, 1973, to San Diego, California, to attend the National Art Education Association annual meeting. Expenses in the approximate amount of \$189.47 are to be paid from College-Wide Development funds.

47. Donald B. Goodall, Director of Art Collections, from May 29, 1973 through July 16, 1973, to Mexico, Colombia, Ecuador, Peru, Bolivia, Chile, Argentina, Brazil, Uruguay, and Venezuela, to interview prospective visiting speakers and specialists and acquire art works to be added to the collections of Spanish American Colonial Art and the history of Brazilian art and architecture for the library holdings in the Arts of Latin America. Expenses in the approximate amount of \$2,665.00 are to be paid from the Archer M. Huntington Museum Fund.

48. Leonard Ruben, Assistant Professor of Art, from May 10, 1973 through May 14, 1973, to Dallas, Texas and New Orleans, Louisiana, to represent the University at Prof. '73 conference in Dallas and to accept the "Addie" award for the best advertising in 1972 from American Advertising Federation Annual Awards banquet in New Orleans. Expenses in the approximate amount of \$239.00 are to be paid from College-Wide Development - Art.

49. James E. Payne, Assistant Professor of Social Work, from May 29, 1973 through June 3, 1973, to Atlanta, Georgia, to attend and participate in conference of social work educators in the field of mental retardation. Expenses in the approximate amount of \$322.00 are to be paid from Academic Development Fund.

50. Karl Folkers, Director, Institute for Biomedical Research, from April 23, 1973 through April 24, 1973, to Washington, D. C., to attend meeting of the National Academy of Sciences and to visit the Walter Reed Army Institute of Research to discuss finalization of our grant for research. Expenses in the approximate amount of \$226.11 are to be paid from Merck and Co., Inc. grant and Academic Development Fund (Folkers).

51. Charles L. Cobb, Technical Staff Assistant V in Organized Research, McDonald Observatory, to Chinquetti, Mauritania, Africa (from McDonald Observatory near Fort Davis, Texas), to view the Solar Eclipse on June 30, 1973. Expenses in the approximate amount of \$98.20 are to be paid from NSF grant - Domestic Travel.

52. A. de Vaucouleurs, Research Science Associate in Organized Research, McDonald Observatory, from May 21, 1973 through June 20, 1973, to Padua and Asiago, Italy, to attend Copernican Days conference at Padua University; to attend dedication of Mount Ekar Observatory telescope and astronomical conference at Asiago Observatory. No expense to the University.

53. John McGraw, Research Assistant in Organized Research, McDonald Observatory, from March 27, 1973 through April 16, 1973, to Fort Davis, Texas, to observe circular polarization in X-ray sources and white dwarfs. Expenses in the approximate amount of \$280.00 are to be paid from NSF grant - Domestic Travel (Angel).

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TRAVEL (Cont'd.)

54. Richard I. Mitchell, Computer Programmer III in Organized Research, McDonald Observatory, from June 5, 1973 through July 15, 1973, to Mauritania, North-West Africa, to view the Solar Eclipse on June 30, 1973. No expense to the University; NSF funding.
55. J. Derral Mulholland, Research Scientist in Organized Research, McDonald Observatory, to Perth and Sydney, Australia, to represent the Lunar Laser Ranging Experiment at International Astronomical Union Symposium and General Assembly; to present one review paper and one or two research papers. Expenses in the approximate amount of \$1,805.00 are to be paid from NASA grant.
56. Margaret Skeels Stevens, Social Science Research Associate I, Texas Memorial Museum, from June 1, 1973 through July 15, 1973, to Big Bend National Park, Texas, to assist Dr. J. A. Wilson in field work for the Texas Memorial Museum under an Antiquities Act Permit. Expenses in the approximate amount of \$720.00 are to be paid from Travel, Vertebrate Paleontology Lab, Texas Memorial Museum.
57. Salvatore Valastro, Jr., Research Scientist Associate V, Technical Director, Radiocarbon Lab, Texas Memorial Museum, from July 25, 1973 through August 25, 1973, to Caracas, Venezuela, to do research in dating time of humus formation in ancient soils. Expenses in the approximate amount of \$1,269.00 are to be paid \$500.00 from Travel, Radiocarbon Lab, Texas Memorial Museum, and \$769.00 from Revolving Fund, Radiocarbon Lab, Texas Memorial Museum.
58. Dudley M. Varner, Research Scientist Associate III, Texas Memorial Museum, from May 21, 1973 through August 25, 1973, to Oaxaca, Mexico, to continue archaeological field work of prehispanic settlement patterns, to document a collection of Mexican Indian masks owned by the museum, and to collect ethnographic specimens for exhibit and teaching purposes at the museum. No expense to the University.
59. J. William Hearn, Physician, Specialist, Gynecology, Student Health Center, from August 1, 1973 through September 7, 1973, to Moscow, U. S. S. R., to attend the F. I. G. O. VII World Congress of Obstetrics and Gynecology and participate in medical travel tour sponsored by the American College of Obstetricians and Gynecologists, attending meetings in London, Moscow, Peking, Shanghai, Canton, Hong Kong, and Tokyo. No expense to the University.
60. Roy Coleman Mazingo, Student Development Specialist I, Student Financial Aids, from May 23, 1973 through May 25, 1973, to Houston, Texas, to make personal contact with prospective employer participants in the University of Texas Summer Intern Program. Expenses in the approximate amount of \$86.60 are to be paid from Development of Student Services funds.

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F

USE OF TEXTBOOKS WRITTEN BY FACULTY: In accordance with Chapter III, Section 24 of Part One of the Regents' Rules and Regulations for the Government of The University of Texas, I recommend approval of the use of the following faculty authored books as textbooks for the 1973-74 fiscal year.

*Indicates these books have not been previously used at the University.

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
<u>Mexico: Land of Sunshine and Shadow</u>	Donald D. Brand	\$ 1.75	\$.30 (foreign sales only)
<u>Britain and the Onset of Modernization in Brazil</u>	Richard Graham	3.95	.25
* <u>A Century of Brazilian History Since 1865</u>	Richard Graham	3.00	.21
<u>Edward Randolph and the American Colonies</u>	Michael G. Hall	2.25	1-1/2% (after costs)
<u>Introduction of Phonological Theory</u>	Robert T. Harms	3.95	.59
<u>The Surveillant Science</u>	Robert K. Holz (ed.)	7.95	.80
* <u>From Discovery of the Folk to Test of the Analytic: Intro to Methods of Sociology</u>	Sheldon Olson	.75	1.00 (total)
* <u>From Discovery of the Folk to Test of the Analytic: An Introduction to the Methods of Social Science</u>	Sheldon Olson	1.50	.35
<u>With his Pistol in his Hands</u>	Americo Paredes	2.95	.15
* <u>Bureaucracy and the Lower Class</u>	Sjoberg, et. al.	.40	1/2¢
<u>Tornado: A Community Response to Disaster</u>	J. B. Taylor, L. A. Zurcher, & W. H. Key	4.50	
<u>History of the American People, Vol. I</u>	Philip Lloyd White, Norman Graebner, Gilbert Fite	6.96	.30

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TEXTBOOKS (Cont'd.)

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
<u>Morphology and Evolution of Fossil Plants</u>	Theodore Delevoryas	\$ 6.60	\$.66
<u>Mathematics: Its Spirit and Evolution</u>	John R. Durbin	10.50	1.50
* <u>A Users Guide to Arithmetic Solutions for Queues</u>	Thomas Walter Keller	2.50	.50
<u>The Mathematics of Investment</u>	Roger Osborn	6.75	.675
* <u>Homology Theory</u>	James W. Vick	11.95	1.00
<u>Atlas of Texas</u>	S. A. Arbingast, Kennamer, Bonine	5.00	none
<u>Business Law, Text and Cases</u>	William Bandy, Eugene W. Nelson, Tannell Shadid, Gaylord Jentz, Jack Ledbetter, Wm. Velman	11.95	.30
<u>Conflict and Cooperations: Cases in Labor-Management Behavior</u>	Brandt & Daugherty	8.00	1.20
<u>Management Decisions and Organizational Policy</u>	Bridges, Olm, & Barnhill	12.95	.77
* <u>A Brief Introduction to Technology Forecasting Concepts and Exercises</u>	James R. Bright	2.00	none
<u>Research, Development and Technological Innovation</u>	James R. Bright	10.00	1.50
* <u>Laboratory Manual - Introduction to Business and Economic Statistics with Computer Augmented Exercises</u>	Charles T. Clark & A. W. Hunt	4.80	.24
<u>Statistical Methods for Business Decisions</u>	Charles T. Clark & L. L. Schkade	11.80	1.12

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TEXTBOOKS (Cont'd.)

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
<u>Basic Marketing: Concepts, Decisions and Strategies</u> (2nd edition)	<u>Edward W. Cundiff</u> and <u>Richard Still</u>	\$ 12.50	\$.75
<u>Accounting Information Systems and Business Organizations</u>	Barry E. Cushing	4.00	none
<u>Functional Business Communication</u> (Fall) <u>Functional Business Communication</u> 2/e (Spring)	Jessamon Dawe and <u>William J. Lord, Jr.</u>	10.95	.60
<u>Advanced Accounting</u>	C. H. Griffin, T. H. Williams, & K. D. Larson	13.25	.66
<u>Auditing</u>	R. L. Grinaker and <u>B. B. Barr</u>	11.80	.88
<u>Computer Models in Operations Management</u>	Roy D. Harris and Michael J. Maggard	5.00	.25
<u>Public Employer-Employee Relations in Texas: Contemporary and Emerging Developments</u>	Isadore B. Helburn	3.50	none
<u>The New Consumer Credit Law</u>	Gaylord A. Jentz	.20	none
<u>Texas Uniform Commercial Code</u>	Gaylord A. Jentz	2.00	none
<u>Algebra, Linear Algebra, and Linear Programming for Business Students</u>	D. Klingman, M. Schoeman, J. Stutz	11.50	1.50
* <u>Business Data Processing Supplement</u>	D. Klingman, J. Stutz, R. Shocket, J. Byars	5.00	1.00
<u>Introduction to Games of Strategy</u>	F. B. May	4.95	.45
<u>Accounting: A Book of Readings</u>	G. H. Mueller and <u>C. H. Smith</u>	6.25	.38

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TEXTBOOKS (Cont'd.)

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
<u>Readings in Independent Auditing and Professional Responsibility</u>	Jack C. Robertson and Michael Granof	\$ 7.50	none
* <u>Catching Up: Remedial Education Revisited</u>	John E. Roueche and R. Wade Kirk	6.50	.40
* <u>Instruction and Accountability</u>	John E. Roueche and Barton R. Herrscher	5.50	.30
* <u>Introduction to Financial Control for Multinational Enterprises</u>	George M. Scott, et. al.	1.00	none
<u>Introduction to Taxation (2nd edition)</u>	R. M. Sommerfeld, H. A. Anderson & H. R. Brock	11.95	.89 .448 .448
<u>Decision Simulation of a Manufacturing Firm</u>	B. H. Sord, A. G. Dale, A. T. TenBroeke, R. R. Cole	3.50	none
<u>Readings in Comprehensive Logistics</u>	Henry M. Steiner	3.00	none
<u>An Introduction to Business and Economic Statistics (4th edition)</u>	John R. Stockton and Charles T. Clark	11.00	1.32
<u>Principles of Managerial Accounting--Introductory</u>	E. L. Summers	5.00	none
<u>Risk Management and Insurance: A Study Guide</u>	Jerry D. Todd	1.00	none
<u>Essentials of Financial Management</u>	Ernest W. Walker	2.95	.37
<u>Budgeting: Profit Planning and Control (3rd edition)</u>	Glenn A. Welsch	13.50	2.02
<u>Cases in Profit Planning and Control</u>	Glenn A. Welsch	4.85	.24
<u>Intermediate Accounting</u>	G. A. Welsch, C. T. Zlatkovich, & J. A. White	12.95	.97

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GRADUATE FACULTY MEMBERSHIP. I recommend approval of the appointment of the following to membership in the Graduate Faculty, all of whom have been nominated by their graduate school committees, and the names submitted by Dean Archie W. Straiton, Acting Dean of the Graduate School.

SCHOOL OF ARCHITECTURE

Associate Professor John Andrew Gallery, Special Member

COLLEGE OF HUMANITIES

Department of Classics

Professor John J. Peradotto

Department of French and Italian

Professor Gian-Paolo Biasin

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Department of Anthropology

Professor Robert A. Fernea

Department of Government

Associate Professor R. Harrison Wagner

COLLEGE OF NATURAL SCIENCES

Department of Microbiology

Associate Professor Henry Bose

Department of Zoology

Associate Professor Robert H. Barth, Jr.
Associate Professor Guy L. Bush
Associate Professor Claude Desjardins
Associate Professor Gary Freeman
Associate Professor Eric Pianka

SCHOOL OF COMMUNICATION

Department of Speech Communication

Associate Professor Jack L. Whitehead

COLLEGE OF EDUCATION

Department of Special Education

Associate Professor Carl E. Hansen

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GRADUATE FACULTY MEMBERSHIP (Cont'd.)

COLLEGE OF ENGINEERING

Department of Aerospace Engineering and Engineering Mechanics
Professor J. Tinsley Oden

SCHOOL OF SOCIAL WORK

Professor David M. Austin

FACULTY LEGISLATION. The following legislation has been passed by the University Council and/or General Faculty. I recommend approval. F

1. Calendar for the 1974 summer session and the 1974-75 long session. At its meeting on May 21, 1973, the University Council adopted the proposed calendar for the 1974 summer session and the 1974-75 long session (D&P 5421-5422) as follows:

Calendar of the Summer Session, 1974

University, other than Law School

June 3-4,	Monday-Tuesday. Registration.
June 5,	Wednesday. Classes begin.
July 4,	Thursday. Independence Day holiday.
July 12-13,	Friday-Saturday. First term exams.
July 15,	Monday. Second term registration, classes begin.
August 3-6,	Saturday-Tuesday. Nine-week course exams.
August 20-22,	Tuesday-Thursday. Second term and twelve-week exams.
August 22,	Thursday. No-ceremony graduation day.

Law School

May 27,	Monday. Registration.
May 28,	Tuesday. Classes begin.
July 4,	Thursday. Independence Day holiday.
July 5-9,	Friday-Tuesday. First term exams.
July 10,	Wednesday. Second term registration, classes begin.
August 16-20,	Friday-Tuesday. Second term and whole session exams.

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FACULTY LEGISLATION (Cont'd.):

August 20, Tuesday. No-ceremony graduation day.

Calendar of the Long Session of 1974-75

Fall Semester

August 26-27, Monday-Tuesday. Law School registration.

August 28-30, Wednesday-Friday. Orientation and registration.

Sept. 2, Monday. Labor Day holiday.

Sept. 3, Tuesday. Classes begin.

Nov. 28-30, Thursday-Saturday. Thanksgiving holidays.

Dec. 9-20, Monday-Friday. Law School exams.

Dec. 11, Wednesday. No-class day.

Dec. 12-20, Thursday-Friday. Exams

Dec. 21-Jan. 7, Saturday-Tuesday. Christmas holidays.

Jan. 3, Friday. No-ceremony graduation day.

Spring Semester

Jan. 8-10, Wednesday-Friday. Registration.

Jan. 13, Monday. Classes begin.

Mar. 24-29, Monday-Saturday. Spring vacation.

May 2-14, Friday-Wednesday. Law School exams.

May 2, Friday. No-class day.

May 5-14, Monday-Wednesday. Exams.

May 17, Saturday. Commencement.

2. PROPOSED CHANGE IN THE COLLEGE OF NATURAL SCIENCES
CATALOGUE

The following recommended addition to the catalogue of the College of Natural Sciences was approved by the University Council by the circularization procedure on May 17, 1973 (D&P 5411). This catalogue change will also be incorporated in the section on "Transfer From One Division to Another" in the General Information Bulletin (pp. 51-52 of the 1972-73 edition).

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FACULTY LEGISLATION (Cont'd.):

RECOMMENDATION OF THE COLLEGE OF NATURAL SCIENCES

Students who wish to transfer into the College of Natural Sciences from the other Schools and Colleges at U.T. Austin must have a GPA of at least 2.0. A student on scholastic probation may be admitted only with the prior approval of the Dean of the College of Natural Sciences.

3. PROPOSAL TO INCREASE THE STUDENT MEMBERSHIP OF THE UNIVERSITY COUNCIL

At its meeting on May 8, 1973, the General Faculty ratified the action of the University Council on October 16, 1972, regarding the addition of two students to membership in the University Council (D&P 5273-5278) (D&M 10812). The legislation is as follows:

"That the number of student representatives on the University Council be increased from four to six, the two additional student representatives to be chosen by and from the Senior Cabinet."

4. PROPOSED CHANGES IN COLLEGE OF FINE ARTS CATALOGUE IN DEGREE PLANS FOR THE DEPARTMENT OF MUSIC

On June 8, 1973, The University Council approved by the circularization procedure the following changes in the College of Fine Arts catalogue in degree plans for the Department of Music.

PROPOSED CHANGES FOR COLLEGE OF FINE ARTS CATALOGUE NUMBER: PART X, 7105
1971-1973

Department of Music

Item I

Requirements for the Degree of Bachelor of Music
Plan I, for Students Majoring in Applied Music (Voice)

p. 31 From: Thirty-seven semester hours in the theory and literature of music, including Music 303L, 605, 411, 612, 313L, 219, 221J, 229, 330J, 330K, and 372 or 379K.4 or 379K.7.

To: Thirty-seven semester hours in the theory and literature of music, including Music 605, 411, 612, 313J, 313K, 219, 221J, 229, 330J, 330K, and 379K.8 or 379K.9 or 379K.11 or 379K.12.

Reason for change:

To correct the degree plan in accordance with the changes in the music history and literature courses.

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FACULTY LEGISLATION (Cont'd.):

Item II

Requirements for the Degree of Bachelor of Music
Plan I, for Students Majoring in Applied Music (Piano)

p. 31 From: Forty-three semester hours in the theory and literature of music, including Music 303L, 605, 411, 612, 313L, 221J, 221K, 330J, 330K, 233J, 233K, 379K.1; 225L and 225M, or 226J and 226K, or 269L.12 (two semesters).

To: Forty-three semester hours in the theory and literature of music, including Music 605, 411, 612, 313J, 313K, 221J, 221K, 330J, 330K, 233J, 233K, 379K.2; 225L and 225M, or 226J and 226K, or 269L.1 and 269L.2.

Reason for change:

To correct the degree plan in accordance with the changes in the music history and literature courses as well as course numbering changes in music theory.

Item III

Requirements for the Degree of Bachelor of Music
Plan I, for Students Majoring in Applied Music (Organ, Harpsichord)

p. 21 From: Forty-seven semester hours in the theory and literature of music, including Music 303L, 605, 411, 612, 313L, 221J, 221K, 225L, 225M, 330J, 330K, 464, 465K, and 379K.1.

To: Forty-seven semester hours in the theory and literature of music, including Music 605, 411, 612, 313J, 313K, 221J, 221K, 225L, 225M, 330J, 330K, 464, 465K, and 379K.1 or 379K.3.

Reason for change:

To correct the degree plan in accordance with the changes in the music history and literature courses.

Item IV

Requirements for the Degree of Bachelor of Music
Plan I, for Students Majoring in Applied Music (Church Music)

p. 32 From: Forty semester hours in the theory and literature of music, including Music 303L, 605, 411, 612, 313L, 221J, 221K, 225L, 225M, 226J and 226K or 269L.12 (two semesters), 330J, and 330K.

To: Forty semester hours in the theory and literature of music, including Music 605, 411, 612, 313J, 313K, 221J, 221K, 225L, 225M, 226J and 226K or 269L.1 and 269L.2, 330J, and 330K.

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FACULTY LEGISLATION (Cont'd.):

Reason for change:

To correct the degree plan in accordance with the changes in the music history and literature courses as well as course numbering changes in music theory.

Item V

Requirements for the Degree of Bachelor of Music
Plan I, for Students Majoring in Applied Music (Harp)

p. 32 From: Thirty-nine semester hours in theory and literature of music, including Music 303L, 605, 411, 612, 313L, 221J, 221K; 225L and 225M, or 226J and 226K, or 269L.12 (two semesters); 330J, 330K, 379K.1 or 379K.5 or 379K.8.

To: Thirty-nine semester hours in theory and literature of music, including Music 605, 411, 612, 313J, 313K, 221J, 221K; 225L and 225M, or 226J and 226K, or 269L.1 and 269L.2; 330J, 330K, and 379K.6 or 379K.13.

Reason for change:

To correct the degree plan in accordance with the changes in the music history and literature courses as well as course numbering changes in music theory.

Item VIII

Requirements for the Degree of Bachelor of Music
Plan II, for Students Majoring in Music Literature

p. 34 From: Forty-eight semester hours in the theory and literature of music, including Music 303L, 605, 411, 612, 313L, 221J, 221K, 330J, 330K; 225L and 225M, or 226J and 226K, or 269L.12 (two semesters); and twelve semester hours chosen from the following: 233J, 233K, 379K.1, 379K.2, 379K.3, 379K.4, 379K.5, 379K.6, 379K.7, 379K.8, 379K.10.

To: Forty-eight semester hours in the theory and literature of music, including Music 605, 411, 612, 313J, 313K, 221J, 221K, 330J, 330K; 225L and 225M, or 226J and 226K, or 269L.1 and 269L.2; and twelve semester hours chosen from the 379K sections.

Reason for change:

To correct the degree plan in accordance with the changes in the music history and literature courses as well as course numbering changes in music theory.

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FACULTY LEGISLATION (Cont'd.):

Item IX

Requirements for the Degree of Bachelor of Arts in Music

p. 38 From: Forty semester hours in music, including Course 401 in the principal instrument, the proficiency of Music 210K in fourth-semester piano (see p. 63) if the principal instrument is not piano, Music 303L, 605, 612, 313L, 330J, 330K; twelve semester hours in upper-division music theory and/or literature. Course 410 in the principal instrument may be substituted for four semester hours in upper-division theory and/or literature.

To: Forty semester hours in music, including Course 401 in the principal instrument, the proficiency of Music 210K in fourth-semester piano (see p. 63) if the principal instrument is not piano, Music 605, 612, 313J, 313K, 330J, 330K; twelve semester hours in upper-division music theory and/or literature. Course 410 in the principal instrument may be substituted for four semester hours in upper-division theory and/or literature.

Reason for change:

To correct the degree plan in accordance with the changes in the music history and literature courses.

5. PROPOSED CHANGE IN WORDING OF THE FOREIGN LANGUAGE REQUIREMENT OF THE SCHOOL OF COMMUNICATION

On June 22, 1973, the University Council approved by the circularization procedure the following proposed change in wording of the foreign language requirement of the School of Communication, to become effective in the 1973-75 Catalogue of that school (D&P 5495-95).

Note: Change to apply to the four undergraduate degrees of the School of Communication: Bachelor of Journalism, Bachelor of Science in Radio-Television-Film, Bachelor of Science in Speech; also Bachelor of Science in Advertising, approved by the Coordinating Board, Texas College and University System, at its meeting on April 13, 1973.

Proposed Substitution in 1973-75 Catalogue

"2. A requirement which may be satisfied in one of the following ways.

a. Foreign language: the foreign language requirement is the attainment of a certain proficiency rather than completion of a specified number of hours. Proficiency equivalent to that of Course 312L will satisfy the requirement. Courses 406, 407, or 408K, *and six hours beyond 407 (or equivalent courses) in the same language are generally used to satisfy the requirement. (Note: ~~Course 406 may not count as hours~~

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FACULTY LEGISLATION (Cont'd.):

~~toward the degree if two entrance units in the same language are used to meet language entrance requirements.~~ Also, If the student has been admitted with a high school language deficiency, Course 406 or the equivalent in any language taken will be used to remove the deficiency and may not count as hours toward the degree.) An extensive foreign language testing program is available at the University. Students with previous knowledge of a language are urged to take appropriate tests (1) to earn as much credit as possible for foreign language courses by examination, and (2) to be placed at the proper level for further study in the language. Students should consult the department concerned for further information on testing."

*The word to be inserted is underlined; the present words to be deleted are lined out.

Reason for change:

To add the number of the new intermediate level foreign language course and to permit students to count for credit toward the degree hours earned in the first foreign language course, unless an entrance deficiency is involved.

TRAFFIC AND PARKING REGULATIONS AND INFORMATION. The "Traffic and Parking Regulations and Information" for The University of Texas at Austin for 1973-74 appear below. Changes from the 1972-73 regulations were considered and approved by the Board of Regents at its meeting on June 1, 1973.

1973-1974

TRAFFIC AND PARKING
REGULATIONS

and

INFORMATION

I. INTRODUCTION

This booklet contains an analysis of and guide to the rules, regulations, and procedures applicable to those who would drive or park a motor vehicle or bicycle on the campus of The University of Texas at Austin. These rules are designed to provide for the safety of all who use the campus,

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

especially pedestrians, and to provide for the optimum use of the meager parking facilities. These regulations are supplementary to the rules and regulations of the City of Austin and State of Texas which govern the use of motor vehicles. They apply throughout the day and night.

As used herein "campus" or "University campus" shall be deemed to refer to all University owned property whether or not a part of the main campus of The University of Texas at Austin.

THE SPEED LIMIT ON ALL PARTS OF THE CAMPUS IS 15 MILES PER HOUR. PEDESTRIANS SHALL AT ALL TIMES HAVE THE RIGHT OF WAY AT CROSSWALKS.

Only cars bearing the proper University parking permits may be parked on the University campus, Monday through Friday, 7:30 a.m. to 8:00 p.m., and on Saturday, 7:30 a.m. to 11:15 a.m. Cars without permits may be parked on the campus Monday through Friday, 8:00 p.m. to 7:30 a.m., from Saturday at 11:15 a.m. until Monday at 7:30 a.m., and on the following holidays: Labor Day, Thanksgiving, Christmas, New Year's Day, and July Fourth, except where posted signs prohibit such parking. Parking meters may be used by anyone at any time, except where their use is restricted by posted signs (e.g., for Visitors Only). See p. for more details.

Motorcycles, motor scooters, and motor bicycles must bear the proper University parking permits. Such vehicles may only be parked in spaces marked for such vehicles. Bicycles may only be parked in racks provided for the purpose.

Regulations applicable to the use of bicycles on University property are set forth on page of this booklet.

The Parking and Traffic Office (see inside front cover) or a police officer may be consulted should questions arise. These rules, regulations, and procedures are subject to revision by the Committee on Parking and Traffic.

II. GENERAL

The University of Texas at Austin assumes no responsibility for the care and/or protection of any vehicle or its contents at any time it is operated or parked on its campus. The University also reserves the right to impound any vehicle which is parked with serious impropriety or so as to obstruct vehicular or pedestrian traffic.

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

If a motor vehicle or bicycle is parked on University property and is not moved for a period of 30 days, the University may deem the same to be abandoned. Abandoned motor vehicles or bicycles may be impounded and disposed of in the same manner as such vehicles are disposed of by the City of Austin.

Under the provisions of Article 2919-J of Vernon's Texas Civil Statutes, the Board of Regents of The University of Texas System has promulgated Traffic and Parking Regulations to regulate and control traffic and parking and the use of parking facilities, provide for the issuance of vehicle identification insignia, and provide for jurisdiction over offenses. In particular, campus police officers may issue TRAFFIC TICKETS ENFORCEABLE IN COURT in the same way as those issued by the Texas Highway patrol. (see p.).

A PERMIT TO PARK on campus will not be honored unless the decals are properly affixed on the interior of the car, one in the center of the windshield at the bottom and the other in the lower corner of the rear window (on the driver's side of the car). Application directions appear on the back of each permit. Permits may not be affixed by tape or other unauthorized material. Permits are not transferable and must be affixed to the vehicle for which they are issued.

Expired University permits must be removed from all vehicles before new permits are applied. New permits will not be honored until all old University permits have been removed from the vehicle.

Parking areas and parking restrictions are indicated on the enclosed campus map.

Passenger cars may not use the LOADING ZONE AREAS at any time without a loading zone permit and may be parked only long enough to conduct the actual loading or unloading operations (whether on University business or otherwise and only with permission as stated above). The loading zone permit may be obtained from the control station officer or from the University Police Office, Service Building basement, open at all times. If a loading zone permit is needed at a time when the control station officer is not on duty and if it is not practical to drive to the University Police Department Office because of unusual circumstances, permission may be obtained by a telephone call, 471-4441 or P.A.X. 1031. Any passenger car parked in a loading zone or service drive, when loading and unloading operations are not plainly visible and in progress, is subject to impounding. Passenger cars shall not be stopped

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

in loading zones or service drives for the purpose of awaiting the arrival of passengers. Commercial vehicles may be parked in loading zones and service drives only for whatever length of time actual loading and unloading operations are in progress.

On special occasions and in emergencies, parking limitations may be imposed by the Chief of the University Police as required by the conditions which prevail. When conditions warrant such action, the Chief of the University Police may waive parking limitations which are ordinarily imposed.

The speed limit on all parts of the campus is 15 miles per hour. Pedestrians at all times have the right of way. Every car is required to stop completely at each STOP sign and to proceed with caution. A flashing yellow light requires slowing the vehicle and proceeding with caution. A flashing red light requires stopping the vehicle completely and proceeding with caution.

No wheeled vehicle such as a passenger automobile, truck, trailer, motorcycle or bicycle may be placed, used, parked, or left within any University Building at any time except when it is being used to conduct necessary University business and is being operated by duly authorized members of the University staff.

Bicycles shall be operated in conformity with the applicable ordinances of the City of Austin and the following:

- (a) Pedestrians at all times shall have the right-of-way over bicyclists.
- (b) Bicycles may not be ridden on pedestrian walkways and sidewalks.
- (c) Operators of bicycles on University streets shall comply with all stop signs, yield signs, and other general traffic regulations, except that bicycles may proceed in either direction on Inner Campus Drive.

III. PARKING REGULATIONS

Motor vehicles may be parked in University lots and on campus streets only if they bear the appropriate permits. The color-coded map indicates the specific areas open to the various permit holders, and eligibility requirements are described on page . In general, the restrictions apply only from 7:00 a.m. to 5:00 p.m. weekdays. Other than the Inner

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

Campus Drive and Reserved Parking Areas 14 and 15, vehicles displaying any valid parking permit may park on any portion of the campus within the control stations between the hours of 5:00 p.m. and 8:00 p.m. The Inner Campus Drive and Reserved Parking Areas 14 and 15 are restricted to F and A permit holders in the evenings from 5:00 to 9:00 p.m. Monday through Friday and on Saturdays from 7:30 a.m. to 11:15 a.m. Special restrictions for each class of permit holder may be found on pages to . The rules also apply to weekdays on which no classes are held but on which University offices are open.

Except as described above, the campus is open to parking without permits at night, from 8:00 p.m. to 7:30 a.m., and on Saturdays from 11:15 a.m. until Monday at 7:30 a.m. and on the following holidays: Labor Day, Thanksgiving, Christmas, New Year's Day, and July Fourth. However, many spaces are designated as restricted by posted signs. Such restrictions apply at all times. Metered spaces are open to all, at all times, except where their use is restricted by posted signs. On-the-street parking is, of course, open to the public on street adjacent to, but not within, the campus boundaries as indicated on the map. Streets within the campus are colored on the map; city streets are uncolored (see motorcycle exceptions section IV,J).

IV. PARKING PERMITS

Parking permits will be issued, in the case of the faculty and staff, only for vehicles of which the faculty or staff member, or spouse is the registered owner. In the case of students, parking permits will be issued only for an automobile owned by the student, his spouse, or his parents.

A. Classes of permits and fees

O --	\$72.00	Administrative officers
F --	\$48.00	Reserved for faculty and staff
D --	\$48.00	Disabled (faculty and staff)
	\$24.00	Disabled (student)
A --	\$20.00	Faculty and staff
C --	\$10.00	Student parking permits
	\$ 6.00	if purchased during the spring semester
	\$ 2.00	if purchased during the summer session
M --	\$ 6.00	Students and staff for motorcycles, motor bicycles and motor scooters
	\$ 4.00	if purchased during the spring semester
	\$ 2.00	if purchased during the summer session

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

B. Payment of fees

When an application is made for a permit, the fee charged will be for a complete year or for the entire unexpired portion of the University's fiscal year. Payment of the fee must be made before the permit will be issued.

C. Refunds

Refunds will be made to members of the faculty and staff upon request in the event that their service is terminated by a resignation or leave of absence without pay. The refund will be based on the number of full months remaining in the University's fiscal year.

A refund will be made upon request to a student holding an A, C, or D permit who withdraws from the University at the end of the fall semester, but no refund will be made to a student who withdraws at the end of the spring semester (except to a student holding an A or D permit).

A request for refund must be accompanied by the remnants of the appropriate permit.

D. Class O

Class O parking permits will be issued for certain administrative officers as designated by the President and/or Chancellor. O permit holders may park in any O space.

E. Class D

Class D parking permits will be issued to members of the faculty, staff, and student body whose physical infirmities make mandatory their parking near their work or classroom. Automobiles bearing Class D parking permits may be parked only in spaces specifically designated for the disabled. Class D permits may be issued for limited periods of time or for one year.

F. Class F

Members of the faculty holding the rank of Instructor or above, and staff members who are paid at a rate of \$740.00 per month or more, are eligible to apply for Class F permits. Assignments will be made by lot and rank. Reserved Parking Areas will be reserved for automobiles bearing permits issued for each specific area from 7:30 a.m. to 5:00 p.m. Monday through Friday. If no spaces are available in the designated lot or if there is urgent need, special permits will be provided at traffic control stations for F permit holders to

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

park on particular occasions for a limited period of time in Class A Restricted Areas. Certain spaces in each reserved area will be reserved at all times for those holding permits for that area. On weekdays from 5:00 p.m. to 9:00 p.m. and on Saturday mornings from 7:30 a.m. to 11:15 a.m., the Reserved Areas 14 and 15 and the Inner Campus Drive are reserved for F and A permit holders. On Saturday mornings F permit holders may park in any F, A, or C parking area. A second permit will be issued for an alternate car at no additional cost on the understanding that if both cars are parked on the campus at the same time, one must be at a meter, or the permits will be revoked.

G. Class A

Class A parking permits will be issued to the following:

- (1) Any full time employee of The University of Texas at Austin.
- (2) Any part-time employee who is not registered in the University as a student.
- (3) Individuals registered at the University for courses of instruction, who work at least half-time for the University and who are employed at a full-time rate of \$350.00 or more per month.
- (4) Temporary Class "A" permits may be issued to students upon certification by the Director of the Student Health Center.

Class A permit holders may park in any Class A or C parking area on weekdays from 7:30 a.m. to 5:00 p.m. and in any F, A or C parking area between 5:00 p.m. and 8:00 p.m. Monday through Friday and on Saturday mornings. The Inner Campus Drive, Reserved Area 14, and the part of Area 15 that is located North of the Experimental Science Building are reserved for F and A permits on weekdays from 5:00 p.m. to 9:00 p.m., and on Saturday mornings from 7:30 a.m. to 11:15 a.m. An attempt will be made to have no more than two permit holders for each Class A parking space available. A second permit will be issued for an alternate car at no additional cost on the understanding that if both cars are parked on the campus at the same time, one must be at a meter, or the permits will be revoked.

H. Class C

Class C parking permits will be issued to persons who meet one of the following qualifications:

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

- (1) Any student enrolled in the University
- (2) Extension lecturers
- (3) Students enrolled in Evening School of the Division of Extension

Class C permit holders may park in any Class C parking area at any time but are not permitted to pass through the traffic control stations between 7:30 a.m. and 5:00 p.m. on weekdays. Class C permit holders may park anywhere on weekday evenings from 5:00 to 8:00 p.m. except the Inner Campus Drive and Reserved Areas 14 and 15 and except where posted signs prohibit such parking. They may park anywhere on the campus from 8:00 p.m. until 7:30 a.m. on weekdays from 11:15 a.m. on Saturday until 7:30 a.m. on Monday except where posted signs prohibit such parking. They may park anywhere on the campus on the following holidays: Labor Day, Thanksgiving, Christmas, New Year's Day, and July Fourth, except where posted signs prohibit such parking.

I. Class M

Class M parking permits will be issued to members of the faculty and staff and students for motorcycles, motor bicycles, and motor scooters. These vehicles may be parked ONLY in parking areas set aside for motorcycles, motor bicycles, and motor scooters, regardless of the time of the day or day of the week.

In order to obtain a Class C or M permit, a student must supply all information called for in a Motor Vehicle Registration Card, and, in addition, must present the following documents:

- (a) Copy of current license receipt.
- (b) Auditor's receipt for semester involved.

V. DRIVING AND PARKING OFFENSES

FLAGRANT offenses are:

- (1) Exceeding speed limit.
- (2) Driving in imprudent manner.
- (3) Removing any temporary barricade.
- (4) Driving vehicle into barridaced area or parking in violation of any barricade. (impounding violation)
- (5) Refusing to show driver's license upon request of a University policeman.

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TRAFFIC AND PARKING REGULATIONS AND INFORMATION (Cont'd.):

- (6) Failing to stop or heed other instructions given by a University policeman.
- (7) Driving or parking on the campus of the University while barred. (impounding violation)
- (8) Forging or altering a permit, or using a forged or altered permit.
- (9) Committing any of the following acts with the intention of providing any person with parking privileges to which he is not entitled under these regulations:
 - (a) Transferring a permit.
 - (b) Affixing a permit to a vehicle other than that for which it was issued.
 - (c) Failing to destroy a permit when required to do so by these regulations.
- (10) Parking or driving a vehicle to which there has been affixed a permit other than that issued for such vehicle, with knowledge thereof.
- (11) Parking in a "D" parking space with a disabled permit.
- (12) Parking in any manner which obstructs vehicular traffic. (impounding violation)

MAJOR offenses are:

- (1) Failing to yield right of way to a pedestrian.
- (2) Failing to stop at a STOP sign.
- (3) Failing to report any accident to Traffic Office immediately.
- (4) Making a U-turn.
- (5) Driving on campus without driver's license.
- (6) Backing into an intersection.
- (7) Failing to observe traffic lights.
- (8) Failing to display proper permit for space occupied.
- (9) Parking in any of the following places or manners:
 - (a) On any lawn. (impounding violation)
 - (b) On any curb or sidewalk. (impounding violation)
 - (c) In any Loading Zone without a Loading Zone permit. (impounding violation)
 - (d) Obstructing any crosswalk. (impounding violation)
 - (e) In or upon any Service Drive. (impounding violation)
 - (f) In NO PARKING spaces. (impounding violation)
 - (g) In violation of any posted sign. (impounding violation)

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- (10) Operating a bicycle in violation of the regulations set forth herein (page).
- (11) Having a vehicle of any type unlawfully within a University building.
- (12) Displaying an expired University permit on vehicles.

MINOR offenses are:

- (1) Parking improperly. A car is parked improperly if - (a) not placed wholly within the lines or boundaries of the parking space (other improperly parked vehicles do not constitute an excuse for improper parking); (b) where parallel parking is required, the curbside wheels of the vehicle are more than 12" from the curb or the vehicle is not parked with the front end facing the direction of traffic flow; (c) where angle parking is required, the wheel nearest the curb is more than 12" from the curb; (d) in angle parking spaces, the rear end is next to the curb; (e) parked for periods longer than those specifically designated; (f) double or multiple parked.
- (2) Failing to display permit properly.
- (3) Parking overtime in a space which is limited in time by meter or sign, or parking overtime in a Loading Zone.
- (4) Parking or chaining a bicycle in space other than a bicycle rack.

The term "impounding" includes removal or immobilization of the vehicle. The owners of impounded vehicles shall be required to pay all costs involved in impounding and storing.

VI. ENFORCEMENT

A. In general. Campus police are authorized to issue two types of tickets for violation of campus parking and traffic regulations:

- (1) University tickets are handled by the University of Texas Parking and Traffic Section subject to a right of appeal to a Parking Committee panel composed of faculty, students, and staff members. Regulations dealing with University tickets are set forth below.
- (2) Court appearance (CA) tickets are issued by the University of Texas campus police and constitute a summons to appear in a Justice court in the same manner as traffic tickets issued by the Texas Highway Patrol. Criminal penalties, as provided by law, may be imposed by the justice court for violations of University parking and traffic regulations.

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- B. Policy with Respect to CA Tickets. The University reserves the right to issue a CA ticket for any violation. It is the general policy of the University, however, to issue CA tickets only (1) for flagrant violations, (2) for violations by visitors and persons holding no University permit or driving automobiles which have not been registered with the University, and (3) for excessive University tickets as set forth in Paragraph C below.
- C. Policy with Respect to University Tickets. University tickets are issued for three classes of offenses: minor offenses, major offenses, and flagrant offenses. These offenses are described on pages , , and hereof. The Administrative Service Charges are as follows: The service charge for a minor offense is \$2.00. The service charge for a major offense is \$5.00. The service charge for a flagrant offense is \$10.00. If any service charge is not paid within ten days after issuance of the ticket, the service charges thereafter shall be \$4.00 for a minor offense, \$10.00 for a major offense, and \$20.00 for a flagrant offense.

Every person receiving a University ticket shall remit the amount of the service charge to the Parking and Traffic Section within ten days after receipt of the ticket. If a person desires to appeal, he shall file his written appeal as provided in Paragraph D below within ten days after receipt of the ticket.

Unpaid service charges for parking offenses are recorded in the name of the person in whose name the vehicle is registered. Unpaid service charges for other offenses are recorded in the name of the person driving the vehicle and in the name of the person who has registered or maintains the vehicle. If unpaid service charges recorded in the name of the any person equal or exceed the sum of \$25.00, the Parking and Traffic Section will notify such person by letter sent to the address of such person as shown in the records of the Parking and Traffic Section. Such letter shall state that CA tickets will be issued in lieu of the University tickets unless payment of all accumulated service charges is made within 10 days after the date of such letter. If such payment is not received, CA tickets will then be issued for such offenses and served on such person by a peace officer. Upon issuance of the CA tickets, the University tickets will be cancelled.

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Failure to discharge CA tickets will result in the issuance of a warrant for the arrest of such person. A copy of the letter referred to in the preceding paragraph shall also be sent to the person in whose name the vehicle is registered with the Texas Highway Department, if different from the person registering the vehicle with the University or if the vehicle is not registered with the University. Persons with unpaid service charges recorded in their names shall be ineligible to receive a parking permit while such service charges remain outstanding and unpaid.

- D. Appeals from University Tickets. Any person who has received a University ticket may appeal by filing a written statement with the Parking and Traffic Section setting forth the grounds on which the person believes the issuance of such ticket was improper or inequitable. If the appeal is denied and the person desires to contest the validity of the ticket further, a CA ticket will be issued and the service charge paid in connection with the ticket will be refunded. No particular form of appeal is required, except that the statement must be signed by the person receiving the ticket. The filing of a statement constitutes certification by the person signing the same that the facts therein are true to the best of his knowledge and belief. A person may file such supporting statements of material as he deems appropriate. If the person filing an appeal desires to appear in person before a panel of the Parking Committee, he shall request such personal appearance in the written statement. Failure to request a personal appearance will result in the panel of the Parking Committee determining the appeal on the basis of the written statement of the person, the supporting materials submitted by the person, and information supplied by the traffic officer issuing the ticket. If a personal appearance is requested, the person appealing shall be permitted to participate in the hearing and present such testimony and information as he deems appropriate. Such person shall also have the right to examine witnesses.

No appeal will be considered unless it is filed with the Parking and Traffic Section within ten days after the receipt of the ticket. Each appeal is heard by a panel of the Parking Committee. The panel may order the payment of the service charge in whole or in part, or the cancellation of the ticket, as the panel deems appropriate. A person filing an appeal will be notified in writing of the deci-

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sion of the panel. If an appeal is denied, the person shall pay the applicable service charge to the Parking and Traffic Section within ten days after receipt of such notice. If any service charge is not paid within ten days after receipt of such notice, the service charges thereafter shall be \$4.00 for a minor offense, \$10.00 for a major offense, and \$20.00 for a flagrant offense. If an appeal is denied and the person desires to contest the validity of the ticket further, a CA ticket will be issued upon request, and the University ticket will be cancelled.

- E. Suspension of Privilege to Drive and Park on Campus. Any person who within a period of twelve months commencing on September 1 of any year receives two CA tickets or University tickets for (a) two flagrant offenses, or (b) four major offenses, or (c) one flagrant and two major offenses, automatically loses his privilege of driving or parking a motor vehicle on the University campus for one year; upon payment of all service charges the suspended permit will be valid. The loss of the privilege of driving or parking a motor vehicle on campus shall commence three days after the Parking and Traffic Section mails a letter to the person, at the address of such person as shown in the records of the Section, stating that such person's privilege of driving or parking a motor vehicle on campus has been suspended by reason of excessive violations. Such letter shall state the date on which the suspension commences and the date on which it ends.

Any person who (a) forges or alters a permit, (b) uses a forged or altered permit, (c) transfers a permit, affixes a permit to a vehicle other than that for which it was issued, or fails to destroy a permit when required to do so by these regulations, with the intention of providing any person with parking privileges he is not entitled to under these regulations, or (d) provides false information to obtain a parking permit, with knowledge thereof, (e) parks or drives a vehicle to which there has been affixed a permit other than that issued for such vehicle, with knowledge thereof, shall lose his privilege of driving or parking his motor vehicle on the University campus for a period of one year. Such suspension shall commence three days after the Parking and Traffic Section mails a letter to the person, at the address of such person as shown in the records of the Section, stating that such person's privilege of driving or parking a motor vehicle on campus has been suspended and describing the offense. Such letter shall state the date on which the suspension commences and the date on which it ends. While a person's privilege

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of driving or parking a vehicle on campus is suspended, it is unlawful (1) for that person to drive or park any motor vehicle on the campus and (2) for any person to drive or park a vehicle registered in the name of such person on the campus.

If a person whose privilege of driving or parking a vehicle on campus has been suspended is charged with any violation while on campus, a CA ticket will be issued for such violation. If a University ticket is issued to such person, a CA ticket for such offense will be served upon such person by a Peace officer. Failure to discharge such CA tickets will result in the issuance of a warrant for the arrest of such person. Upon the issuance of the CA ticket, the University ticket will be cancelled. If a person whose privilege of driving or parking on the campus has been suspended receives a University or CA ticket by reason of having a vehicle on the campus during the period of his suspension, the period of suspension shall be extended so that it expires 12 months from the date the person receives additional CA or University tickets. In addition, the vehicle may be impounded and the violator of the suspension may be reported to the Discipline Committee if the person is a student, or the the appropriate dean, director, or administrative official, if the person is a faculty or staff member.

A person receiving notice that his privilege of driving or parking a vehicle on campus has been suspended may appeal the suspension within five days on the grounds that the imposition of such suspension is improper or will create serious and substantial hardship. Such appeal shall be governed by the provision of Part D above. No appeal shall be considered if there are any unpaid tickets outstanding at the time such appeal is filed.

- F. Destruction of Permit when Suspended. Every person receiving notice that his privilege of driving or parking on the campus has been suspended shall remove the parking permit from every vehicle registered in his name and return remnants thereof to the Parking and Traffic Section within five days after receipt of such notice. Failure to do so may be reported to the Discipline Committee if the person is a student, or to the appropriate dean, director, or administrative official if the person is a faculty or staff member.
- G. Eligibility to Obtain New Permit during Period of Suspension. A person whose privilege of driving or parking on the campus is suspended and not reinstated shall be ineligible to receive a parking permit of any type during the period of suspension.

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VII. VISITORS TO THE CAMPUS

Official Visitors

The parking spaces set aside on the campus for the use of official visitors shall be confined to the use of members of the Board of Regents, the University Development Board, deans and higher administrative officers, and individuals not eligible for University parking permits who come to the campus to conduct important business with the institution's administrative officers or to render an important service. Arrangements for the use of these spaces are to be made in advance with the Chief, the University Police, and/or the Chancellor, the Vice-Chancellors, the President, the Vice-Presidents, the Comptroller, the Endowment Officer, the deans, and the directors. Where groups are involved, the arrangements must be made by the appropriate chairman, dean, director, or equivalent administrator with the Chief, University Police, who will issue temporary permits.

The establishment of space for official visitor's parking must meet with the approval of the Committee on Parking and Traffic and is subject to the review of the President.

In all cases in which an automobile is parked in an official visitor's space, it must bear the appropriate temporary permit which shows the current date, specifies the parking time required, and bears the signature of the official authorized to issue the permit.

Others on Business

Arrangements for parking for other persons coming to the University campus on business matters may be made by administrative officials, chairmen of departments, administrative staff members, or faculty members with the Office of the Chief, University Policy by identifying the person and the gate through which he will enter the campus. A temporary A parking permit will be issued to such a visitor.

Class A parking permits will be issued to a limited number of persons who render a continuing service to University offices (e.g., computer engineers, typewriter servicemen, etc.). Requests for such permits should be directed to the Committee on Parking and Traffic.

Temporary Class A permits will be issued to a limited number of persons coming to the campus to render a special service which is a specific part of the University's work. Requests for individual parking may be made to the Chief, University Police.

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U.T. AUSTIN: ADOPTION OF CONSTITUTIONS FOR THE STUDENTS' ASSOCIATION AND THE SENIOR CABINET.--The proposed constitutions for the Students' Association and the Senior Cabinet at U.T. Austin were adopted in the following form, subject to the constitutions being conformed to the Regents' Rules and Regulations in the event of any conflict between the constitutions and the Regents' Rules and Regulations:

CONSTITUTION

STUDENTS' ASSOCIATION

The University of Texas at Austin

We, the students of The University of Texas at Austin, in order to: provide an official and representative student organization to receive student questions and suggestions; investigate student problems and take appropriate action; provide the official voice through which student opinion may be expressed; encourage the development of responsible student participation in the overall policy and decision making processes of the University community; foster an awareness of the student's role in the academic community; enhance the quality and scope of education at The University of Texas at Austin; provide means for responsible and effective participation in the organization [~~and-direction~~] of student affairs; do establish this Constitution for the Students' Association of The University of Texas at Austin.

ARTICLE I: MEMBERSHIP

- 1.1 This organization of students of The University of Texas at Austin shall be known as the Students' Association of The University of Texas at Austin, which shall be herein referred to as the Students' Association.
- 1.2 Membership in the Students' Association shall consist of all students of The University of Texas at Austin, so defined by the office of the Registrar of The University of Texas at Austin.

ARTICLE II: ORGANIZATION

- 2.1 The governing structure of the Students' Association shall consist of three branches: the Legislative Branch, the Executive Branch, and the Judicial Branch.
- 2.2 No person shall be a member of the Judicial Branch while serving in the Legislative Branch or Executive Branch.

ARTICLE III: THE LEGISLATIVE BRANCH

- 3.1 The Legislative Branch of the Students' Association shall be composed of the Student Senate [~~House-of-Delegates-and-the-Student Assembly~~].
- 3.2 Membership of the Student Senate: Candidates for the Student Senate [~~House-of-Delegates~~] must be students of The University of Texas at Austin. Candidates who are undergraduate students must have completed twelve (12) [~~fifteen-(15)]~~ semester hours at The University of Texas at Austin at the time of assuming office (excluding semester hours earned by advanced placement). At the time of filing and while holding office these candidates shall be registered for at least twelve (12) semester hours in their respective school or college which they represent. Candidates who are graduate students must have completed nine (9) semester hours at The

University of Texas at Austin with a "B" scholastic average at the time of assuming office. At the time of filing and while holding office, these candidates shall be registered for at least six (6) semester hours in the Graduate School. Candidates who are law students shall, at the time of filing and while holding office, be registered for at least six (6) [ten-(10)] semester hours with a sixty-five (65) scholastic average. At no time shall any member of the Student Senate [House-of-Delegates] be on scholastic [or-disciplinary] probation or be barred from participation in extra-curricular activities as the final outcome of disciplinary proceedings detailed in the Institutional Supplement [and-their-term-of-office-shall-be-one-year].

- 3.3 The membership of the Student Senate [House-of-Delegates] shall be composed of the following:
- 3.31 One student elected for each fifteen hundred (1500) students enrolled in each school or college or major fraction thereof with a minimum of one student elected from each school or college. These students shall be elected by the members of the Students' Association who are enrolled in the respective school or college which they represent, and shall serve for a term of one year. The general election shall be held on the first Wednesday of March.
- 3.32 Two students elected by the members of the Students' Association at large. They shall serve for a term of one year.
- 3.33 The President of the Students' Association.
- 3.34 The Vice President of the Students' Association.
- 3.35 Each Student Senator shall have one vote, and no proxy or absentee votes shall be allowed.
- 3.4 Vacancy: When a position provided for under 3.31 or 3.32 becomes vacant during the regular term of office a special election shall be called by the Students' Association President to fill that position unless the vacancy occurs within eight weeks prior to the general election (see 3.102).
- ~~3.31-----Each-registered-student-organization-shall-be-entitled-to-one-representative-if-it-(a)-conducts-six-(6)-or-more-regular-meetings-per-year,-(b)-has-been-officially-registered-for-one-year,-and-(c)-has-a-membership-of-not-less-than-fifteen-(15)-nor-more-than-one-hundred-fifty-(150)-students;-and-an-organization-which-meets-the-requirements-of-(a)-and-(b)-shall-be-entitled-to-two-(2)-representatives-if-it-has-a-membership-of-not-less-than-one-hundred-fifty-one-(151)-students.~~
- ~~3.32-----Each-school-or-college-shall-be-entitled-to-one-representative-for-the-first-one-thousand-students-or-any-fraction-thereof-enrolled-in-its-school-or-college,-plus-one-representative-for-each-additional-one-thousand-students-or-any-major-fraction-thereof-enrolled-in-its-school-or-college.~~
- ~~3.33-----Each-delegate-shall-have-only-one-vote,-and-no-proxy-or-absentee-votes-shall-be-allowed.~~
- ~~3.4-----The-House-of-Delegates-shall-elect-from-its-own-membership-a-credentials-committee,-which-shall-have-the-responsibility-of-certifying-eligibility-for-membership-in-the-House-of-Delegates,-and-may,-upon-due-cause,-withdraw-the-certification-of-a-representative-except-this-power-to-withdraw-certification-shall-not-extend-to-those-members-of-the-House-of-Delegates-who-are-members-of-the-Student-Assembly,-or-to-these-delegates-elected-by-the-various-schools-or-colleges.~~
- ~~3.5-----Upon-the-resignation-or-removal-of-any-certified-representative-of-an-organization,-the-organization-that-he-represents-shall-fill-the-vacated-position-in-the-original-manner.--If-a-vacancy-exists-in-a-position-under-section-3.32,-that-vacancy-shall-be-filled-within-fourteen-(14)-class-days-by-appointment-by-the-appropriate-school-or-college-council;-in-the-event-they-fail-to-fill-this~~

~~vacancy-within-this-time-period,-the-President-of-the-Students' Association-shall-fill-the-vacancy-by-appointment.]~~

3.5 [3-6] Meetings:

3.51 [3-61] The Student Senate [House-of-Delegates-of-the-Students' Association] shall meet at least once a month [during-each long-session-semester.]

3.52 [3-62] Meetings of the Student Senate shall be called by the Students' Association President or by written request of one-third of the voting membership of the Student Senate. [Special-meetings-may-be-called-by-the-presiding-officer or-by-written-petition-of-one-tenth-of-the-membership-of the-House-of-Delegates.]

3.53 [3-63] All meetings of the Student Senate shall be open to all members of the University community and all [they] shall have the privilege of the floor upon [with-the] consent of one-fourth [half] of the voting membership [delegates-present-and-voting].

3.54 [3-64] A quorum shall consist of two-thirds [one-third] of the Senators currently in office [total-membership of-the-House-of-Delegates].

3.55 [3-65] The President [Vice-President] of the Students' Association shall preside, and shall only vote in the instance of a tie vote.

3.56 The Secretary of the Students' Association shall record the minutes of each meeting of the Student Senate and deliver promptly to the Dean of Students a copy of all such minutes, which shall be filed and available for public review.

3.6 Responsibilities: The Student Senate shall be responsible for communications between students and faculty and administration; for the discussion of matters of concern to the University community; and for recommending action and programs to various University organizations and individuals. When possible, the recommendations of the Students' Association shall be made through the Students' Association representatives on the University policy-making boards and committees or through appropriate administrative bodies.

3.7 Duties: The Student Senate shall perform the following duties:

3.71 To enact all measures necessary and proper for the general welfare of the Student body and the purposes of this constitution.

3.72 To exercise exclusive power within the Students' Association to collect and appropriate all monies of the Students' Association provided that no appropriations shall be greater than the amount of money in hand.

3.73 To create any appointive office it deems necessary.

3.74 To approve all appointments of the President of the Students' Association by a two-thirds vote of the Senators present.

3.75 To elect two student members to the Texas Union Board of Directors to serve for a term of two years each. In the instance of a vacancy, the Student Senate shall elect a successor for the unexpired term. Each member shall serve the full term of two years even though his membership on the Student Senate has expired, provided he continues to maintain eligibility requirements for membership in the Student Senate.

3.8 Committee Membership: To approve all students who sit on University policy-making committees when the appointment is under the jurisdiction of the Students' Association.

3.9 Duties of Committeemen:

3.91 All students who are members of a University policy-making committee and who are appointed by the President or elected by the Student Senate may be removed from the committee

- for due cause by the legislative body having elected or approved the committeeman.
- 3.92 All such students shall report in writing to the Student Senate at least once each semester the activities of their committee.
3. (10) Obligations:
3. (10)1 Establish its own rules of procedures. In the absence of such rules, the latest edition of Roberts Rules of Order shall prevail.
3. (10)2 To enact rules and regulations for the orderly conduct of elections, except that no election law may be enacted within twenty (20) days prior to an election. A special election shall be held within two weeks of the occurrence of a vacancy or the call of a special election by the Senate.
3. (10)3 To call for a special election of a Vice President with the same qualifications as the President in the instance of a vacancy of the Vice Presidency because of resignation, death, removal, or succession to the Presidency.
3. (10)4 To approve the apportionment of all Student Funds three weeks prior to the conclusion of the Spring Semester.
3. (10)5 To enact By-Laws of this Constitution by a two-thirds vote of the total voting membership of the Student Senate any proposed amendment to this constitution.
3. (11) The Student Senate shall enact no legislation which deprives any member of the Students' Association of due process of law, or the right to equal protection.
- ~~3.7---Responsibilities:~~
~~The House of Delegates of the Students' Association shall be responsible for serving as a body designed to enhance communication among the students, administration, and faculty. It shall serve as a forum for the discussion of topics which have a causal bearing on the academic community. The House of Delegates may also provide a consultive and review body for programs and actions affecting student life, and consider questions which may be referred to the Student Assembly for investigation and action.~~
- ~~3.8----Duties:--The House of Delegates of the Students' Association shall perform the following duties:~~
- ~~3.81-----Elect from its own membership three students to the Student Assembly.~~
- ~~3.82-----Submit to the Students' Association by a two-thirds vote of the total voting membership of the House of Delegates any proposed amendment to this constitution.~~
- ~~3.83-----The House of Delegates may review any Student Assembly action. The House of Delegates may veto any Student Assembly action except any action pertaining to student activities fee allocations or any appropriations by a two-thirds vote of those members present. However, that two-thirds vote may not be less than one-third the total voting membership of the House of Delegates, and this vote must be taken within seven (7) class days of said Student Assembly action.~~
- ~~3.9----Membership of the Student Assembly:~~
~~Candidates for the Student Assembly must be students of The University of Texas at Austin. Candidates who are undergraduate students must have completed thirty (30) semester hours at The University of Texas at Austin at the time of assuming office. At the time of filing and while holding office, these candidates shall be registered for at least twelve (12) semester hours in their respective school or college which they represent. Candidates who are graduate students must have completed nine (9) semester hours at The University of Texas at Austin with a "B" scholastic average at the time of assuming office. At the time of filing and while holding office these candidates shall be registered for at~~

least six (6) semester hours in the graduate school;--Candidates who are law students shall at the time of filing and while holding office; be registered for at least ten (10) semester hours with a sixty-five (65) scholastic average;--At no time shall any member of the Student Assembly be on scholastic or disciplinary probation.

3.91-----Three students elected by and from the House of Delegates who shall serve for a term of one year.

3.92-----One student elected from each school or college in which less than one-tenth of the Students' Association is enrolled;--Two students elected from each school or college in which one-tenth but less than two-tenths of the Students' Association is enrolled;--Three students elected from each school or college in which more than two-tenths of the Students' Association is enrolled;--These students shall be elected by the members of the Students' Association who are enrolled in the respective school or college which they represent; and shall serve for a term of one year.

3.93-----Two students elected by the members of the Students' Association at large;--They shall serve for a term of one year.

3.94-----A representative elected by and from each college or school council which is recognized by the Dean of the college or school and the Student Assembly.

3.95-----The President of the Students' Association.

3.96-----The Vice-President of the Students' Association.

3.97-----The President of the Texas Union council.

3.98-----The Dean of Students; ex-officio without a vote.

3.99-----Two members of the voting faculty who shall serve overlapping terms of two years and who shall be elected by and from the faculty council;--They shall serve without vote.

3.9(10)--Each assemblyman shall have one vote; and no proxy or absentee votes shall be allowed.

3.9(11)--Any member of the Student Assembly who shall absent himself from two sessions of the assembly during his term of office shall no longer be a member of the Student Assembly; except in justifiable instances that shall be determined by the President of the Students' Association.

3.(10)--Vacancy:

3.(10)1--When a position provided for under 3.91; 3.94; 3.97; or 3.99 becomes vacant; the vacancy shall be filled in the same manner in which the original selection was made.

3.(10)2--When a position provided for under 3.92 or 3.93 becomes vacant during the regular term of office; the President of the Students' Association shall fill the vacancy by appointment for the remainder of that term.

3.(11)--Meetings:

3.(11)1--The Student Assembly shall meet twice each month.

3.(11)2--Special meetings may be called by the President of the Students' Association; by the House of Delegates; by a majority vote of the delegates present; or by a written request of one-third of the voting membership of the Assembly.

3.(11)3--All meetings shall be open to all members of the University community and all shall have the privilege of the floor upon consent of one-half of the voting members present.

3.(11)4--A quorum shall consist of two-thirds of the assemblymen currently in office.

3.(11)5--The President of the Students' Association shall preside, and shall vote only in the instance of a tie vote.

3.(12)--Responsibilities:

The Student Assembly shall be responsible for communications between students and faculty and administration;--for the discussion of

matters of concern to the University community; and for recommending action and programs to various university organizations and individuals. When possible the recommendations of the Student Assembly shall be made through Students' Association representatives on University policy-making boards and committees or through appropriate administrative bodies.

3. (13) - Duties. The Student Assembly shall perform the following duties:

3. (13) 1 - To enact all measures necessary and proper for the general welfare of the student body.
3. (13) 2 - To refer any action it deems necessary to the House of Delegates for its consideration.
3. (13) 3 - To appropriate all monies of the Students' Association provided that no appropriations shall be greater than the amount of money in hand.
3. (13) 4 - To create any appointive office it deems necessary.
3. (13) 5 - To approve all appointments of the President of the Students' Association by a two-thirds vote of the assemblymen present.
3. (13) 6 - To elect from its membership each year two student members to the Texas Student Publications Board of Directors to serve for a term of two years, and in the instance of a vacancy, to elect a successor for the unexpired term. Each member shall serve the full term of two years, even though his membership on the Student Assembly has expired, provided he continues to maintain the eligibility requirements for membership in the Student Assembly.
3. (13) 7 - To elect from its membership two student members to the Texas Union Board of Directors to serve for a term of two years each. In the instance of a vacancy, the Student Assembly shall elect a successor for the unexpired term. Each member shall serve the full term of two years even though his membership on the Student Assembly has expired, provided he continues to maintain eligibility requirements for membership in the Student Assembly.
3. (13) 8 - Committee Membership:
 3. (13) 8. 1 - All members of the Student Assembly shall be members of a University policy-making committee wherein the appointment is under the jurisdiction of the Students' Association except where prohibited by state law.
 3. (13) 8. 2 - To approve all students who sit on University policy-making committees when the appointment is under the jurisdiction of the Students' Association.
3. (13) 9 - Duties of Committeemen:
 3. (13) 9. 1 - All students who are members of University policy-making committees and who are appointed by the President or elected by the Student Assembly may be removed from the committee for due cause by two-thirds vote.
 3. (13) 9. 2 - All such students shall report to the Student Assembly at least twice each semester the activities of their committee.
3. (13) 10 - Establish its own rules of procedures. In the absence of such rules the latest edition of Roberts Rules of Order shall prevail.
3. (13) 11 - To prepare an agenda for meetings of the House of Delegates.
3. (13) 12 - To enact rules and regulations for the orderly conduct of elections, except that no election law may be enacted within twenty (20) days prior to an election.
3. (13) 13 - To elect from its own members by a majority vote of its total voting membership, a Vice-President with the same qualifications as the President in the instance of a

- vacaney-of-the-Vice-Presidency-due-to-resignation,
death,-removal,-or-succession-to-the-Presidency.
- 3-(13)14-To-approve-the-apportionment-of-the-student-activities
fee-at-least-three-weeks-prior-to-the-conclusion-of
the-spring-semester;
- 3-(13)15-To-enact-By-Laws-of-this-Constitution-by-a-two-thirds
vote-of-the-total-voting-membership-of-the-Student
Assembly.
- 3-(13)16-Submit-to-the-Students'-Association-by-a-two-thirds
vote-of-the-total-voting-membership-of-the-Student
Assembly-any-proposed-amendment-to-this-Constitution.
- 3-(14)--Standing-and-Special-Committees:
- 3-(14)1--Standing-committees-may-be-authorized-by-the-Student
Assembly-from-its-membership-to-study-any-legislation,
to-recommend-legislation,-or-to-study-any-other-problem
which-may-come-before-these-bodies.
- 3-(14)2--Special-committees-may-be-authorized-by-the-Student
Assembly-or-the-House-of-Delegates-to-study-or-recommend
legislation-or-other-action-on-issues-or-problems-which
come-before-these-bodies.--On-any-such-committee-at
least-one-member-of-the-Student-Assembly-shall-sit-as
a-voting-member.
- 3-(14)3--The-Vice-President-shall,-with-the-approval-of-the
Student-Assembly,-provide-these-committees-with-such
operating-funds-and-secretarial-assistance-as-is-needed
to-fulfill-their-responsibilities.
- 3-(14)4--The-President-shall-appoint-the-chairmen-and-the-member-
ship-of-special-committees-with-the-exception-of-the
Credentials-Committee-of-the-House-of-Delegates.
Membership-may-include-students,-faculty,-or-staff.
- 3-(15)--The-Student-Assembly-shall-enact-no-legislation-which-deprives
any-member-of-the-Students'-Association-of-due-process-of-law-or
the-right-to-equal-protection.
- 3-(16)--The-Student-Assembly-and-the-House-of-Delegates-shall-enact-no
legislation-and-pass-no-resolutions-whose-effect-is-to-speak-to
issues-which-do-not-bear-directly-on-the-student-in-his-role-as
a-student:--Provided-that-the-student's-role-as-a-student-shall
not-be-understood-to-comprehend-the-student's-role-as-a-citizen
in-any-community-other-than-the-academic-community.]

ARTICLE IV: THE EXECUTIVE BRANCH

- 4.1 The Executive officers of the Students' Association shall consist of a President and a Vice-President who shall both be elected at-large by the members of the Students' Association and a Financial Director appointed by the President.
- 4.2 A candidate for President shall be a student of The University of Texas at Austin and shall have completed a minimum of thirty-six (36) [forty-five-(45)] semester hours of academic credit at the time of filing for office. He must have been enrolled in The University of Texas at Austin at least one year (two semesters shall count as one year, and two summer sessions shall count as one semester) prior to the date of assuming office. [He shall at the time of filing and while holding office be registered for as many semester hours as his school or college dean shall authorize, and shall possess a 1.250 grade point average.--A candidate who is a graduate student shall in addition have passed a minimum of nine (9) semester hours at The University of Texas at Austin.] At the time of filing and while holding office a candidate shall not be on scholastic [or disciplinary] probation or be barred from participating in extra-curricular activities as the final outcome of disciplinary proceedings detailed in the Institutional Supplement.
- 4.3 The President shall:
- 4.31 Serve for a period of one year as President of the Students'

- Association.
- 4.32 Faithfully execute all acts of the Student Senate [~~House-of-Delegates-and-the-Student-Assembly~~],
- 4.33 Perform any and all duties properly incumbent on the chief executive of the Students' Association.
- 4.34 Make all appointments necessary and proper to the fulfillment of the responsibilities and duties of the executive branch,
- 4.35 Serve, or send his representative, to such committees and boards of which he is a member,
- 4.36 Have the power to call a special meeting of the Student Senate [~~House-of-Delegates-and/or-the-Student-Assembly~~].
- 4.37 Serve as Chairman and presiding officer of the Student Senate [~~Student-Assembly~~] without vote except in the instance of a tie vote.
- 4.38 Serve as a member of the Texas Union Board of Directors.
- 4.39 Serve as [a] an ex-officio member without vote of the Texas Student Publications Board of Directors.
- 4.3(10) Appoint an Attorney General to serve as the President's advisor in matters of a legal nature.
- 4.4 The Vice President shall:
- 4.41 Have the same qualifications [~~qualification~~] for office as the President
- 4.42 Serve for a period of one year as Vice President of the Students' Association.
- 4.43 Succeed to the Presidency in case of death, resignation, or removal of the President.
- ~~4.44-----Serve-as-chairman-and-presiding-officer-of-the-House-of-Delegates.]~~
- 4.44 [4.45] Assist the President with assigned responsibilities.
- ~~4.46-----Disburse-all-duly-appropriated-funds-of-the-Students' Association.--All-disbursements-shall-have-the-counter-signature-of-the-appropriate-University-authority.~~
- ~~4.47-----Prepare-recommendations-for-the-budget-and-maintain-all-financial-records-of-the-Students'-Association.~~
- ~~4.48-----Coordinate-communications-within-and-among-all-joint student,-faculty,-and-administrative-committees-involving the-Students'-Association.]~~
- 4.5 The Financial Director shall:
- 4.51 Institute a double-entry bookkeeping and accounting system that conforms with the approved rulings and procedures of the American Accounting Association and the American Institute of Certified Public Accountants.
- 4.6 [415] The President, [~~and-the~~] Vice President, and Financial Director shall receive remuneration determined by the Student Senate [~~Student-Assembly~~], which amount shall not be altered after their election or during their term of office.

ARTICLE V: THE JUDICIAL BRANCH

- 5.1 The Judicial Branch of the Students' Association shall consist of the Student Court and the Appellate Court, and the judicial power of the Students' Association shall reside with both.
- 5.2 The membership of the Student Court shall consist of the following:
- 5.21 The Chief Justice shall be elected [~~seleeted~~] by a Judicial Selection Board and shall serve for a term of one year. The Judicial Selection Board shall be composed of the following: (a) President of the Students' Association, (b) President of the Student Bar Association, (c) the Grand Chancellor of the School of Law, (d) one Student Assistant to the Dean of the School of Law, [~~{e}--three faculty-members-elected-by-and-from-the-School-of-Law Faculty,~~] and (e) [~~{#}~~] the Chief Justice, ex-officio without vote.

- 5,211 The Chief Justice shall serve as the presiding officer of the Student Court and as ex-officio member of the faculty committee on Student Discipline,
- 5.212 The Chief Justice shall be a midlaw or senior law student and shall, while holding office, maintain the necessary scholastic average required to graduate and shall not be on disciplinary probation.
- 5.213 In the instance of a vacancy of the position of Chief Justice, the vacancy shall be filled as in the original manner.
- 5.22 Eight associate and alternate justices who shall serve for a term of one year.
- 5.221 The associate and alternate justices shall have the same requirements for office as the Chief Justice.
- 5.222 The associate and alternate justices shall be selected by the Judicial Selection Board as specified in Section 5.21. All justices of the Student Court shall serve for a term of one year.
- 5.223 The President of the Students' Association shall appoint four of the eight justices as associate members of the Student Court, with the other four justices serving as alternate members to replace the associate justices when so appointed by the Chief Justice.
- 5.23 Five members shall constitute a quorum, and in the absence of the Chief Justice, the remaining justices sitting shall elect one of their own number to preside for that session of the Student Court.
- 5.3 The Student Court shall have original jurisdiction in all cases and controversies arising under this Constitution as to questions of fact and law, injunction and mandamus proceedings, and appellate jurisdiction over election disputes arising in the councils of the schools and colleges of the University. The Student Court shall have final jurisdiction in all cases and controversies as to questions of fact.
- 5.4 The Student Court shall prescribe all rules of procedure, practice, and evidence of that court.
- 5.5 The Student Court shall have full subpoena power as to both persons and physical evidence within the jurisdiction of that court. Failure to comply with any order of the Student Court [a-subpœena] shall render the noncomplaint subject to disciplinary action under a code set forth by the Student Senate [~~by-the-Dean-of-Students~~].
- 5.6 Any justice of the Student Court may be removed from office for due cause in a trial before the Appellate Court by unanimous vote.
- 5.7 The membership of the Appellate Court shall consist of three faculty members of the School of Law appointed for one year by the Dean of the School of Law.
- 5.71 The members of the Appellate Court shall choose a Chief Justice from among its members and all three justices shall constitute a quorum.
- 5.8 The Appellate Court shall have final jurisdiction as to matters of law in all cases from the Student Court. The Appellate Court shall have discretionary review jurisdiction by certiorari on matters of law only.
- 5.81 The Appellate Court shall prescribe all rules of procedure, practice, and evidence of that court.

[ARTICLE-VI;--PUBLICATIONS]

- [6.1-----The-editor-of-the-student-newspaper-of-The-University-of-Texas at-Austin-shall-be-elected-by-the-members-of-the-Students' Association.]
- 6.2-----The-editor-shall-serve-for-one-year, and-is-an-officer-of-the Students'-Association.
- 6.3-----The-requirements-for-holding-office-and-the-responsibilities-and duties-of-the-office-shall-be-under-the-jurisdiction-of-the Texas-Student-Publications-Inc.,-Board-of-Directors.]

ARTICLE VI [VII]: REFERENDUM AND RECALL

- 6.1 [7.1] The rights of statutory initiative and referendum may be exercised by the members of the Students' Association upon petition of a number of students equal to fifteen percent (15) percent [(15%)] of the total number of ballots cast in the last general election.
- 6.2 [7.2] The Student Senate [~~Student-Assembly-and/or-the-House-of Delegates~~] may refer, by majority vote, any past or pending action to the members of the Students' Association for a vote.
- 6.3 [7.3] Any officer of the Students' Association or any member of the Student Senate [~~any-member-of-the-Student-Assembly, or-any-member of-the-House-of-Delegates-elected-from-the-various-schools-and colleges~~] may be removed from office for due cause by a three-fourths vote of the total voting membership of the Student Senate [~~Student-Assembly~~]. The Chief Justice shall preside at such proceedings and all proceedings shall be open to the public.

ARTICLE VII [VIII]: AMENDMENTS

- 7.1 [8.1] Any proposed amendment to this Constitution, passed by a two-thirds vote of the total voting membership of the Student Senate [~~Student-Assembly-or-the-House-of-Delegates,~~] shall become binding and a part of this Constitution upon receiving a majority of the ballots cast on the amendment in an election by the members of the Students' Association [~~, and-after-approval-by-the-appropriate University-authorities~~].
- 7.2 [8.2] Constitutional initiative may be exercised by the Students' Association [~~Student-Body~~] upon petition of a number of students equal to thirty percent (30) percent [(30%)] of the total number of ballots cast in the last general election. Upon presentation of such petition to the President, the Attorney General shall determine the validity of the petition. If the petition be held valid, the Student Senate [~~Student-Assembly~~] shall order an election, and upon receiving a majority of the ballots cast in an election by the members of the Students' Association [~~and-upon approval-by-the-appropriate-University-authorities~~], the proposed amendment shall become binding and a part of this Constitution.
- 7.3 [8.3] Any proposed amendment, together with the parts of the Constitution affected, shall be published in The University of Texas at Austin student newspaper at least one week prior to the election.

ARTICLE VIII [IX]: NEW CONSTITUTION

- 8.1 [9.1] A proposed new Constitution must originate in the Student Senate [~~Student-Assembly~~] and be recommended by two-thirds of its [~~total~~] voting membership and published at least three weeks before it shall be submitted to the members of the Students' Association, except that a proposed new Constitution may also originate with a constitutional commission, consisting of no less than twelve (12) members. Such commission must be established by the Student Senate on [~~House-of-Delegates-upon~~] petition of a number of students equal to thirty percent (30) percent [(30%)] of the total number of ballots

- cast in the last general election,
- 8.2 [~~9.2~~] A proposed new Constitution initiated by either of the above procedures will be ratified upon receiving a majority of the ballots cast at the next general election or at a special election called by the Student Senate, [~~Student-Assembly~~].

ARTICLE IX [~~X~~]; GENERAL PROVISIONS

- 9.1 This Constitution and Laws of the Students' Association, and amendments thereto, are subject to provisions of the Rules and Regulations of the Board of Regents of the University of Texas System.
- 9.2 [~~10.1~~] This Constitution and Laws supersedes all previous constitutions and Laws. All laws heretofore now in effect and not in conflict with any provision of this Constitution and Laws are hereby declared to be binding and valid as statutory enactments.
- 9.3 [~~10.2~~] Two elective offices shall not be held simultaneously by the same person [~~with-the-exemption-of-these-members-of-the-House-of-Delegates-elected-to-the-Student-Assembly~~], nor shall two persons simultaneously hold the same elective office.
- 9.4 [~~10.3~~] Every elected official of the Students' Association, before entering upon the execution of his duties of office, shall take the following oath or affirmation: "I do solemnly swear (or affirm) that I will faithfully execute the duties of my office, and will to the best of my ability uphold the Constitution and Laws of the Students' Association." All elected officials shall be sworn in on the first Monday in April. [~~This-oath-shall-be-administered-by-the-President-of-the-Students'-Association-or-by-a-student-Justice.~~]
- 9.5 [~~10.4~~] The summer session of The University of Texas at Austin shall be considered a regular session only for those officers, representatives, and members of the Students' Association enrolled in summer school. All action taken by the legislative body [~~the-Student-Assembly~~] during the summer session shall be approved by the legislative body [~~Student-Assembly~~] at its first meeting of the fall semester.
- 9.6 [~~10.5~~] This Constitution and Laws shall take immediate effect and be in force when it shall have been ratified by a majority of ballots cast in an election by the members of the Students' Association and [~~when-it-shall-have-been~~] approved by the appropriate University authorities.
- 9.7 [~~10.6~~] All officials [~~these-officers-and-representatives~~] elected under the requirements of the previous constitution, which this constitution supersedes, shall remain in their corresponding offices [~~office~~] and exercise their corresponding duties and responsibilities [~~and-duties~~] as set forth in this Constitution until their terms of office have expired.

CONSTITUTION

SENIOR CABINET

The University of Texas at Austin

ARTICLE I; NAME

The name of this body shall be The Senior Cabinet of The University of Texas at Austin, hereinafter referred to as The Senior Cabinet.

ARTICLE II; PURPOSE

The purpose of The Senior Cabinet shall be: (1) the coordination and representation of the various Student Councils of the colleges and schools of The University of Texas at Austin (hereinafter referred to as College Councils); (2) a medium for exchange and presentation of the ideas of and opinions of the student bodies of the various College Councils of The University of Texas at Austin; (3) the administration of funds collected through the Student Services Fee (required); (4) the representation of the students of The University of Texas at Austin in academic affairs.

ARTICLE III; MEMBERSHIP

- 3.1 Voting members of The Senior Cabinet shall be:
- 3.11 The President or Chairman of each College Council of The University of Texas at Austin.
- (a) Each School or College of The University of Texas at Austin shall have one College Council.
 - (b) Each College Council shall be recognized as the one official College Council of a School or College by the Dean of said School or College.
 - (c) Each College Council shall be made up of student selected members.
 - (d) A President or Chairman of a College Council shall be elected in the Spring and take office by May 1.
- 3.12 An Official Representative of a College Council.
- (a) An Official Representative from a College Council shall be sent to The Senior Cabinet in case of necessary absence of the President or Chairman of said College Council in accordance with the Bylaws hereto.
 - (b) An Official Representative shall replace the Chairman of The Senior Cabinet as the representative from the Chairman's College Council.
 - (c) An Official Representative shall have full voting rights.
- 3.2 Ex-Officio members of The Senior Cabinet shall include:
- 3.21 Without vote: any student who has served on The Senior Cabinet for at least one year and who is still enrolled in The University of Texas at Austin at any time after such year of office, and the President of the Students' Association of The University of Texas at Austin.
- 3.3 Administrative Consultants of The Senior Cabinet without votes shall include:
- 3.31 The President of The University of Texas at Austin.
 - 3.32 The Vice President for Student Affairs of The University of Texas at Austin.
 - 3.33 The Provost of The University of Texas at Austin.
 - 3.34 The Faculty Advisor of The Senior Cabinet as appointed by the Vice President for Student Affairs of The University of Texas at Austin.
- 3.4 Vacancies shall be filled by the College Council of the individual School or College from which the vacancy appears.

ARTICLE IV: OFFICERS

- 4.1 The officers of the Senior Cabinet shall be Chairman, Vice Chairman and Secretary.
- 4.11 The election of officers shall occur at a general meeting of The Senior Cabinet the second week in May.
 - 4.12 No person shall be elected to any office of The Senior Cabinet unless said person is a voting member of The

- Senior Cabinet at the time of election.
- 4.13 Only the voting members of The Senior Cabinet for the following one year period shall vote for the officers of The Senior Cabinet.
- 4.14 No person shall hold more than one elected position of The Senior Cabinet.
- 4.2 The duties of the officers shall be as follows:
- 4.21 Chairman
- (a) Shall preside over all meetings of The Senior Cabinet.
 - (b) Shall serve as Chairman of the Executive Committee.
 - (c) Shall nominate membership of standing or special committees of The Senior Cabinet.
 - (d) Shall act as the official representative of The Senior Cabinet.
 - (e) Shall be an official representative of The Senior Cabinet to the University Council.
 - (f) Shall perform such other duties as his office may require or as may be prescribed by the voting members of The Senior Cabinet.
- 4.22 Vice Chairman:
- (a) Shall preside over all The Senior Cabinet meetings in the absence of the Chairman.
 - (b) Shall, in the absence of the Chairman, exercise all duties vested in the Chairman.
 - (c) Shall be a member of the Executive Committee.
 - (d) Shall perform such other duties as his office may require or as may be prescribed by the voting members of The Senior Cabinet.
- 4.23 Secretary:
- (a) Shall record the minutes of each meeting of The Senior Cabinet and the Executive Committee and deliver promptly to the Dean of Students a copy of all such minutes, which shall be filed and available for public review.
- 4.3 Impeachment of any officer shall be in accordance with the regulations established in the Bylaws.

ARTICLE V: COMMITTEES AND COMMITTEE APPOINTMENTS

- 5.1 The Senior Cabinet shall from time to time create such committees as are necessary for the operation of The Senior Cabinet and representation of the student body in academic affairs, and shall appoint such members to such committees as The Senior Cabinet deems it necessary.
- 5.2 The Senior Cabinet shall appoint, by the third week in the Fall Semester, students to University committees according to the responsibilities of The Senior Cabinet.

ARTICLE VI: MEETINGS

- 6.1 The regular meetings of The Senior Cabinet shall be held once per month during the Long Session of The University of Texas at Austin, at a date and time to be determined by the membership of The Senior Cabinet.
- 6.2 Special meetings may be called by the Executive Committee upon twenty-four (24) hours notice to each member of The Senior Cabinet, or by one-third (1/3) of the voting membership of The Senior Cabinet, giving the same notice.
- 6.3 The quorum for any regular or special meeting of The Senior Cabinet shall be a majority of the official voting membership.

ARTICLE VII; EXECUTIVE COMMITTEES

- 7.1 The Executive Committee of The Senior Cabinet shall be composed of all the elected officers of The Senior Cabinet.
- 7.2 The Executive Committee shall be empowered to make all decisions for The Senior Cabinet when it is not possible to convene a full meeting of The Senior Cabinet. All such decisions shall be subject to the approval of The Senior Cabinet at the next regularly scheduled meeting.
- 7.3 The Executive Committee shall formulate a budget for the expected revenues from the Student Services Fee (required) in the Spring Semester for approval by The Senior Cabinet, the appropriate University officials, and the Board of Regents of The University of Texas.
- 7.4 During the Summer session, the Executive Committee shall publish and distribute a newsletter to all voting members of The Senior Cabinet describing the actions taken by the Executive Committee during the Summer session.

ARTICLE VIII: BYLAWS

The voting members of the Senior Cabinet shall establish Bylaws to this Constitution by a majority vote.

ARTICLE IX: AMENDMENTS

Amendments to this Constitution may be initiated by any member of The Senior Cabinet and shall become effective upon ratification by two-thirds (2/3) of the voting members of The Senior Cabinet and approval by the Board of Regents of The University of Texas.

ARTICLE X: CONSTITUTION

- 10.1 This Constitution shall be the one official Constitution of The Senior Cabinet, and all Constitutions heretofore are suspended and hereby declared null and void, and any laws inconsistent with any of the provisions herein are declared null and void.
- 10.2 This Constitution shall become effective on June 1, 1973 when ratified by two-thirds (2/3) of the voting members of The Senior Cabinet and approved by the appropriate University officials, and by the Board of Regents of The University of Texas.

CLARK GRAPHICS GIFT. Mr. and Mrs. Charles D. Clark have presented thirteen contemporary graphics to The University of Texas System for the use of The University Art Museum in Austin in accordance with the Rules and Regulations of the Board of Regents. The total appraised value of the graphics is \$1,214.59. The gift is irrevocable and without reservation.

2-18-77

THE UNIVERSITY OF TEXAS AT AUSTIN
July 27, 1973

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GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL):

1. Amendment No. 4 to Contract APL/JHU No. 372041, by which Applied Physics Laboratory, The Johns Hopkins University, Silver Spring, Maryland, increases the estimated cost of the contract by \$160,116 to a new total of \$314,447 and currently funds \$140,000 of that amount. The period of performance is extended through January 31, 1974, and the research entitled, "Geodetic and Ionospheric Studies in the Antarctic Using Artificial Earth Satellites," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
2. Modification No. 1 to Contract No. 953267, by which the Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, reduces the total cost of the contract by \$70.59 to a new total of \$3,120.41. The participation by UT-Austin in a project entitled, "Outer Planets Grand Tour Infrared Experiment Team Member," was under the direction of Dr. Laurence M. Trafton, Special Research Associate, Department of Astronomy.
3. Revision (dated February 20, 1973) to Letter Agreement dated December 12, 1972, by which the Child Development Associate Consortium, Inc., Washington, D. C., extends the agreement through June 30, 1973. The program for training assessors of child development associate competencies continues under the direction of Dr. Jasper Harvey, Professor of Special Education.
4. Letter of Modification dated April 24, 1973, to Grant No. 710-0572, by which The Ford Foundation, New York, New York, extends the period of the grant through June 30, 1975, to permit the use of the estimated unexpended balance of \$35,000 to be used for the development of future policy research projects. The direct instructional and related expenses of policy research seminars in the Lyndon B. Johnson School of Public Affairs and supportive research activities of the Bureau of Governmental Affairs continues under the direction of Dr. John A. Gronouski, Dean of the Lyndon B. Johnson School of Public Affairs.
5. Notice of Grant, by which the Grant Foundation, Inc., New York, New York, provides \$50,000 for support of research entitled, "Development of Language Abilities in Children: The Emergence of Linguistic Intuitions in Children." The grant is effective for the period September 1, 1973 through August 31, 1975, and the research will be under the direction of Dr. David T. Hakes, Associate Professor of Psychology.
6. Purchase Order SR 30022, by which Massachusetts Institute of Technology, Cambridge, Massachusetts, provides \$9,215 for support of research entitled, "Policy Implications of Population Movements: Politicization and Demand-Making Behavior Among Low-Income Migrants to Large Cities." The purchase order is effective for the period September 1, 1972 through December 31, 1973, and the research will be under the direction of Henry A. Dietz, Instructor in Government.
7. Grant W-61, by which Research Corporation, New York, New York, provides \$1,576 for support of research entitled, "Carbon Isotopic Abundance Ratios in Stellar Atmospheres." The grant is effective beginning June 1, 1973, and the research will be under the direction of Dr. David L. Lambert, Associate Professor of Astronomy.

THE UNIVERSITY OF TEXAS AT AUSTIN
July 27, 1973

Grants, Contracts and Agreements (Non-Governmental) - Continued:

8. Grant-in-Aid BR-1529, by which the Alfred P. Sloan Foundation, New York, New York, provides \$19,780 for an Alfred P. Sloan Research Fellowship in Physics, effective for the period September 16, 1973 through September 15, 1975, for use by Dr. Kenneth Gentle, Associate Professor of Physics.
9. Grant-in-Aid BR-1530, by which the Alfred P. Sloan Foundation, New York, New York, provides \$18,400 for an Alfred P. Sloan Research Fellowship in Physics, effective for the period September 16, 1973 through September 15, 1975, for use by Dr. Jack B. Swift, Assistant Professor of Physics.
10. Grant-in-Aid BR-1531, by which the Alfred P. Sloan Foundation, New York, New York, provides \$16,100 for an Alfred P. Sloan Research Fellowship in Chemistry, effective for the period September 16, 1973 through September 15, 1975, for use by Dr. Robert E. Wyatt, Associate Professor of Chemistry.
11. Supplemental Agreement No. 2 to Subcontract No. 3661, by which Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, extends the contract for the period March 1, 1973 through June 30, 1973. The research entitled, "An Evaluation of the Creep Behavior of Concrete," continues under the direction of Dr. Thomas W. Kennedy, Associate Professor of Civil Engineering.
12. Amendment to Contract between The University of Texas at Austin and the Model Laundry (which really is an extension to last year's contract), signed by Vice President James H. Colvin, for furnishing laundry service at the same rates as provided for in the contract for the period September 1, 1972 through August 31, 1973. The contract period is from September 1, 1973 through August 31, 1974.
13. Contract between The University of Texas at Austin (Accounting Division) and Collegiate Recovery & Credit Assistance Programs, Inc. (Collegiate Recovery), signed by Vice President James H. Colvin, whereby Collegiate Recovery agrees to accept for collection as an independent contractor such unpaid accounts as The University of Texas at Austin refers for collection. The contract period began May 18, 1973 and will continue until prior notice of cancellation is given within sixty days in writing to the other party. All fees to Collegiate Recovery will only be paid on actual monies collected based on 33-1/3% on National Defense, Nursing and Emergency loan notes and 25% on all others.
14. Contract between The University of Texas at Austin (Department of Geological Sciences) and Mr. Tom B. Leary, signed by Bobby G. Cook, Business Manager, for Vice President James H. Colvin, concerning the housing of geology students at the Buttrill Ranch during a geology field course. The contract period is from June 4, 1973 through July 13, 1973. Total amount of the contract shall not be less than \$6,301.80 (providing for 27 individuals for 40 days).
15. Contract between The University of Texas at Austin (Department of Mechanical Engineering) and the Office of Information Services, signed by Vice President James H. Colvin, whereby the University agrees to render certain technical and professional services in connection with an undertaking which is expected to be partially financed under Section 701 of the Housing Act of 1954. The contract period is from June 1, 1973 through August 31, 1973. Total amount of the contract shall not exceed \$15,302.00.

THE UNIVERSITY OF TEXAS AT AUSTIN
July 27, 1973

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GRANTS, CONTRACTS AND AGREEMENTS (STATE):

1. Interagency Cooperation Contract No. IAC (72-73)-543, Amendment No. 3, between The University of Texas at Austin (LBJ School of Public Affairs) and the Texas Department of Community Affairs, signed by Vice President James H. Colvin, for the purpose of extending the termination date of the contract to August 31, 1973. This amendment shall become effective on the date of approval by the State Board of Control. All other terms and conditions not hereby amended are to remain in full force and effect.
2. Interagency Cooperation Contract No. IAC (72-73)-710, Amendment No. 2, between The University of Texas at Austin and the General Land Office, signed by Vice President James H. Colvin, for the purpose of increasing the total amount of the contract by \$2,850.00 to a new total of \$36,774.00. This amendment shall become effective on the date of approval by the State Board of Control. All other terms and conditions not hereby amended are to remain in full force and effect.
3. Interagency Cooperation Contract No. IAC (72-73)-1046, Amendment No. 1, between The University of Texas at Austin and the Texas Department of Community Affairs, signed by Vice President James H. Colvin, for the purpose of increasing the total contract from \$13,670.88 to \$15,755.62 (an error correction of \$154.74 plus a net increase of \$1,930.00). This amendment will become effective on the date of approval by the State Board of Control. All other terms and conditions not hereby amended are to remain in full force and effect.
4. Interagency Cooperation Contract No. IAC (72-73)-1055, Amendment No. 1, between the Texas Archeological Salvage Project of The University of Texas at Austin and the Texas Parks and Wildlife Department, signed by Vice President James H. Colvin, for the purpose of deleting the reference to the work at the officer's quarters in the original contract, Section II. This will leave only three buildings involved in the contract. This amendment will become effective on the date of approval by the State Board of Control. All other terms and conditions not hereby amended are to remain in full force and effect.
5. Interagency Cooperation Contract No. IAC (72-73)-1176, between The University of Texas at Austin (Center for Building Research) and the Texas Department of Community Affairs, signed by Vice President James H. Colvin, whereby the University agrees to perform testing and evaluation for the Texas State Building Materials and Systems Testing Laboratory as authorized by S. B. 535, Acts of the 62nd Texas Legislature, RS. The contract period is from April 16, 1973 through August 31, 1973. Total amount of the contract shall not exceed \$50,000.00.
6. Interagency Cooperation Contract No. IAC (72-73)-1179, between The University of Texas at Austin and the State Board of Control, signed by Vice President James H. Colvin, to institute and maintain an effective and economical system of repairs and maintenance of State-owned typewriters, adding machines and calculators. The State Board of Control has the experienced technicians with the knowledge, skill and ability to perform this service. The contract period is from May 1, 1973 through August 31, 1973. Total amount of the contract shall not exceed \$1,000.00.

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Contracts, Grants and Agreements (State) (Cont'd.):

7. Interagency Cooperation Contract No. IAC (72-73)-1180, between The University of Texas at Austin (Texas Marine Science Institute at Port Aransas) and the Texas Water Quality Board, signed by Vice President James H. Colvin, whereby the University agrees to perform certain tasks as designated by the Director, in connection with the Program for water quality management of Galveston Bay, Texas, and its tributaries in conformity with a revised completion program for the Galveston Bay Project. The contract period is from March 1, 1973 through August 31, 1974. Total amount of the contract shall not exceed \$6,000.00.
8. Interagency Cooperation Contract No. IAC (72-73)-1183, between The University of Texas at Austin (Division of Extension - School of Nursing) and the Austin State Hospital of the Texas Department of Mental Health and Mental Retardation, signed by Vice President James H. Colvin, whereby the University agrees to conduct a workshop on "The Nursing Process and Nursing Care Plans." The contract period is from June 7, 1973 through June 30, 1973. Total amount of the contract shall not exceed \$255.00.
9. Interagency Cooperation Contract No. IAC (72-73)-1208, between The University of Texas at Austin (LBJ School of Public Affairs) and the Texas Parks and Wildlife Department, signed by Vice President James H. Colvin, whereby the University agrees to provide professional services to assist in investigation studies on potential State Park sites. The contract period is from May 25, 1973 through August 31, 1973. Total amount of the contract shall not exceed \$25,000.00.
10. Interagency Cooperation Contract No. IAC (72-73)-1217, between The University of Texas at Austin (Division of Extension) and the Texas Department of Community Affairs, signed by Vice President James H. Colvin, whereby the University agrees to offer a training course entitled "Municipal Employee Development: A Course for Mid-Management" for one hundred and sixty (160) trainees from the Department of Community Affairs. The contract period is from June 1, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$3,600.00.
11. Interagency Cooperation Contract No. IAC (72-73)-1218, between The University of Texas at Austin (Computation Center) and The University of Texas at San Antonio, signed by Vice President James H. Colvin, whereby the University agrees to furnish the services of its Computation Center 6400/6600 computer system on an available time basis. The contract period is from June 1, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$5,000.00.
12. Interagency Cooperation Contract No. IAC (72-73)-1220, between The University of Texas at Austin (LBJ School of Public Affairs) and the Texas Parks and Wildlife Department, signed by Vice President James H. Colvin, whereby the University shall pay the Texas Parks and Wildlife Department \$100.00 per month for the use of a 4-wheel drive vehicle for use in resource investigations in West Texas. The contract period is from June 7, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$300.00.

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Contracts, Grants and Agreements (State) (Cont'd.):

13. Interagency Cooperation Contract No. IAC (72-73)-1223, between The University of Texas at Austin and The University of Texas at Arlington, signed by Vice President James H. Colvin, whereby The University of Texas at Austin agrees to furnish reproduction and assembly services as The University of Texas at Arlington may consider necessary to its operation. The contract period is from June 15, 1973 through August 31, 1975. Total amount of the contract is not to exceed \$10,000.00.
14. Interagency Cooperation Contract No. IAC (72-73)-1232, between The University of Texas at Austin (Graduate School of Social Work) and the Austin State Hospital of the Texas Department of Mental Health and Mental Retardation, signed by Vice President James H. Colvin, whereby the University agrees to conduct a workshop on "Sexual Attitudes and Behavior-Implications for Social Work" for personnel of the Austin State Hospital. The contract period is from July 25, 1973 through July 31, 1973. Total amount of the contract is not to exceed \$50.00.
15. Interagency Cooperation Contract No. IAC (72-73)-1233, between The University of Texas at Austin (Division of Extension) and the Texas Rehabilitation Commission, signed by Vice President James H. Colvin, whereby the University agrees to conduct an intensive program for employees of the Texas Rehabilitation Commission as a specialized section of the 16th Annual Institute of Alcohol Studies. The contract period is from July 22, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$900.00.
16. Interagency Cooperation Contract No. IAC (72-73)-1235, between The University of Texas at Austin (Graduate School of Social Work) and the Austin State Hospital of the Texas Department of Mental Health and Mental Retardation, signed by Vice President James H. Colvin, whereby the University agrees to conduct a workshop on "The Development and Use of Outreach Services" for personnel of the Austin State Hospital. The contract period is from June 26, 1973 through June 30, 1973. Total amount of the contract is not to exceed \$50.00.
17. Interagency Cooperation Contract No. IAC (72-73)-1236, between The University of Texas at Austin (Graduate School of Social Work) and the Austin State Hospital of the Texas Department of Mental Health and Mental Retardation, signed by Vice President James H. Colvin, whereby the University agrees to conduct a workshop on "Interpersonal Loss and the Helping Process" for personnel of the Austin State Hospital. The contract period is from July 11, 1973 through July 31, 1973. Total amount of the contract is not to exceed \$160.00.

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GRANTS, CONTRACTS, and AGREEMENTS -- FEDERAL:

1. Modification P00007 to Contract F30602-67-C-0217, by which the United States Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, reduces contract funds by \$2,449.10 to a new total cost of \$220,629.90. The research in German-English mechanical translation on syntactic level was under the direction of Dr. W. P. Lehmann, Ashbel Smith Professor of Linguistics and of German Language.
2. Modification/Amendment P00001, Supplemental Agreement to Facilities Contract F04701-69-C-0327, by which the United States Air Force, HQ Space and Missile System, Los Angeles, California, updates General Provisions for use with the contract.
3. Modification P00009, Supplemental Agreement to Contract F44620-71-C-0091, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, provides \$370,000 additional funds (Travis County) and extends the contract for the period April 1, 1973 through March 31, 1974. Of the total amount awarded, \$100,000 is currently funded for the period ending June 30, 1973. The research entitled, "Basic Research in Electronics (JSEP)," will be under the direction of Dr. Arwin A. Dougal, Professor of Electrical Engineering.
4. Modification P00008, Supplemental Agreement to Contract F33615-71-C-1350, by which the United States Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, provides \$97,724 additional funds (Travis County), increases the total estimated cost to \$738,097 and extends the contract for the period April 1, 1973 through August 31, 1973. General Provisions are updated to conform with Basic Contract F18600-73-A-0115. The advance avionics analysis and evaluation program continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
5. Contract F29601-73-C-0095, by which the United States Air Force, Air Force Special Weapons Center, Kirtland Air Force Base, New Mexico, provides \$157,150 as the estimated cost and currently funds \$106,000 of that amount for support of research entitled, "Pico-Second Pulse Radar Measurement System." The contract is effective for the period May 24, 1973 through May 23, 1974, and the research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
6. Modification P00001, Supplemental Agreement to Contract F41609-73-C-0019, by which the United States Air Force, Aerospace Medical Division, Brooks Air Force Base, Texas, reduces the estimated cost of the contract by \$576 to a new total of \$39,306 and incorporates a new statement of work. Funds currently available through September 12, 1973 are reduced to \$23,424. The research entitled, "Study on On-Line Information Communication System in an R&D Management Environment," continues under the direction of Dr. Wilson A. Judd and Dr. Harold F. O'Neil, Jr., Assistant Professors of Educational Psychology.
7. Contract F41609-73-C-0032, by which the United States Air Force, Aerospace Medical Division (AFSC), Brooks Air Force Base, Texas, provides \$39,607 (Travis County) for support of research entitled, "Learner Control of Computer-Based Instruction." The contract is effective for the period May 1, 1973 through December 31, 1973, and the research will be under the direction of Dr. Wilson A. Judd and Dr. Harold F. O'Neil, Jr., Assistant Professors of Educational Psychology.

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GRANTS, CONTRACTS, and AGREEMENTS - FEDERAL (Continued):

8. Contract F41609-73-C-0031, by which the United States Air Force, Aerospace Medical Division, Brooks Air Force Base, Texas, provides \$49,591.43 (Travis County) for support of research entitled, "Investigation of Temperature Rise in Fundus Exposed to Laser Radiation." The contract is effective for the period May 1, 1973 through April 30, 1974; however, of the amount awarded there is funded only \$10,000 for the period ending June 30, 1973. The research will be under the direction of Dr. Ashley J. Welch, Associate Professor of Electrical Engineering, and Dr. C. P. Cain, Assistant Professor of Electrical Engineering.
9. Contract F41689-73-C-0125, by which the United States Air Force, Headquarters Air Training Command, Randolph Air Force Base, Texas, provides \$59,875 (Travis County) for support of research entitled, "Function of Advertising in the All-Voluntary Armed Forces: AF/RSA." The contract is effective for the period June 1, 1973 through August 31, 1974, and the research will be under the direction of Dr. Ernest A. Sharpe, Professor of Journalism.
10. Grant DA-ARO-D-31-124-73-G172, by which the Department of the Army, U.S. Army Research Office, Durham, North Carolina, provides \$4,600 (Travis County) for support funding of auxiliary equipment for high-performance shock tube. The grant is effective for the period June 1, 1973 through May 31, 1974, and the project will be under the direction of Dr. W. C. Gardiner, Jr., Professor of Chemistry.
11. Modification P00011, Supplemental Agreement to Basic Contract N00014-67-A-0126, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, makes certain revisions and alterations by incorporating General Provisions (A-October 1972) without any substantive changes in existing rights and obligations under the contract between the Navy and The University of Texas at Austin.
12. Modification No. 07, Supplemental Agreement to Contract N00014-67-A-0126-0009, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$21,000 additional funds (Travis County) and extends the contract for the period June 1, 1973 through December 31, 1973. The research entitled, "Temporal Planning and Management Decision Under Risk and Uncertainty," continues under the direction of Dr. Abraham Charnes, Professor of Mathematics.
13. Modification No. 01, Supplemental Agreement to Contract N00014-67-A-0126-0018, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$9,999 additional funds (Travis County) and extends the contract for the period April 1, 1973 through December 31, 1973. The research entitled, "Theoretical Study of the Effective Polarizability of Adsorbed Molecules on Metal Surfaces," continues under the direction of Dr. P. R. Antoniewicz, Associate Professor of Physics.
14. Modification No. 01, Supplemental Agreement to Contract N00014-67-A-0126-0019, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$10,000 additional funds (Travis County) and extends the contract for the period April 1, 1973 through December 31, 1973. The research entitled, "A Capacitance Technique for the Study of Gas Molecule-Surface Interactions," continues under the direction of Dr. William D. McCormick, Associate Professor of Physics.

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GRANTS, CONTRACTS, and AGREEMENTS - FEDERAL (Continued):

15. Contract N00014-67-A-0126-0020, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$23,467 (Travis County) for support of research entitled, "The Microbial Degradation of Aromatic Petroleum Products." The contract is effective for the period June 30, 1973 through June 30, 1974, and the research will be under the direction of Dr. David T. Gibson, Associate Professor of Microbiology.
16. Contract N00014-73-C-0362, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$24,333 (Travis County) for support of a Symposium on the Physics of Sound in Marine Sediments and the report on proceedings. The contract is effective for the period January 1, 1973 through December 31, 1973, and performance will be in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
17. Modification P00005 to Contract N00024-70-C-1395, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period for performance under the contract through June 1, 1974, without changing the total estimated cost. The research entitled, "SQS-23 LORA Program," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
18. Modification P00004, Supplemental Agreement to Contract N00024-71-C-1266, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period of the contract through June 30, 1973, without additional funds. The research entitled, "Bottom Reflection Measurements," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
19. Modification P00003, Supplemental Agreement to Contract N00024-72-C-1380, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$95,000 additional funds (Travis County) and increases the total estimated cost from \$115,217 to \$210,217 for the current period ending February 28, 1975. The research entitled, "Nonlinear Acoustics Sonar Development," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
20. Modification P00004 to Contract N00024-72-C-1380, by which Department of the Navy, Naval Ship Systems Command, Washington, D. C., makes certain changes to correct administrative error in Modification P00003. The research entitled, "Nonlinear Acoustics Sonar Development," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
21. Modification P00003 to Contract N000126-72-C-1748, by which the Department of the Navy, Navy Electronics Supply Office, Great Lakes, Illinois, provides \$115,000 additional funds (Travis County) and increases the total estimated cost to \$190,000 for support of research entitled, "Transducer Component Testing and Calibration of Test Equipment." The contract is extended for the period June 27, 1973 through June 30, 1974, and the research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

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GRANTS, CONTRACTS, and AGREEMENTS - FEDERAL (Continued):

22. Modification P00001, Supplemental Agreement to Contract N00024-73-C-1065, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides additional funds of \$45,000 (Travis County) and increases the total estimated cost from \$95,000 to \$140,000 without changing the current contract period: November 8, 1972 through November 7, 1973. The research entitled, "Engineering Support AN/BQN-17 Sonar," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
23. Modification P00002 to Contract N00024-73-C-1070, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., adds a portable PME Tool Kit to the Government-Furnished Property. The research entitled, "Active Sonar Classification Studies," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
24. Modification P00003, Supplemental Agreement to Contract N00024-73-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., adds \$238,000 to prior funds for a total of \$716,000 toward the \$999,500 estimated cost awarded for the current contract period: February 1, 1973 through September 30, 1974. The Naval Shipyard and TRF Sonar Support and Assistance Program continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
25. Modification P00004 to Contract N00123-73-C-0575, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, provides \$3,000 and increases funding to \$52,310 toward the total award of \$95,000 for the contract period: November 13, 1972 through November 12, 1973. The Bio-Systems Sonar Research Support program continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
26. Modification P00001, Supplemental Agreement to Contract N00123-73-C-1184, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, provides \$168,500 (Travis County) and currently funds \$165,000 of this amount. The estimated cost is increased from \$31,303 to a new total of \$199,803 and the contract is extended for the period June 5, 1973 through February 4, 1974. The research entitled, "L-Band Radar Data Analysis," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
27. Contract/Purchase Order N66604-73-M-6918, by which the Department of the Navy, Naval Underwater Systems Center, New London, Connecticut, provides \$2,500 (Travis County) for support of research entitled, "An Evaluation of the Use of Audio Frequency Magnetotelluric Techniques to Determine ELF Antenna Patterns. The contract purchase order is effective for the period May 15, 1973 through July 15, 1973, and the research will be under the direction of Dr. H. W. Smith and Dr. F. X. Bostick, Jr., Professors of Electrical Engineering.
28. Modification No. 18, Supplemental Agreement to Contract AT-(40-1)-2972, by which the U. S. Atomic Energy Commission, Oak Ridge Operations, Oak Ridge, Tennessee, provides \$395,000 additional funds (Travis County) and extends the contract for the period April 1, 1973 through March 31, 1974. The research in nuclear physics continues under the direction of Dr. S. A. A. Zaidi, Associate Professor of Physics, and Dr. Taro Tamura, Professor of Physics.

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GRANTS, CONTRACTS, and AGREEMENTS - FEDERAL (Continued):

29. Modification No. 4, Supplemental Agreement to Contract AT-(40-1)-3947, by which the U. S. Atomic Energy Commission, Oak Ridge Operations, Oak Ridge, Tennessee, provides \$21,016 additional funds (Travis County) and extends the contract for the period June 1, 1973 through May 31, 1974. The research entitled, "Elevated Temperature Morphological Stability of Metal Matrix Fiber Composites," continues under the direction of Dr. Thomas H. Courtney, Associate Professor of Mechanical Engineering.
30. Modification No. 2, Supplemental Agreement to Contract NAS8-27931, by which the National Aeronautics and Space Administration, Marshall Space Flight Center, Alabama, extends the contract through May 1, 1973, without additional funds. The research entitled, "A Study of Runge-Kutta-Nystrom Formulas," continues under the direction of Dr. Byron D. Tapley, Professor of Aerospace Engineering and Engineering Mechanics, and Dr. Dale G. Bettis, Assistant Professor of Aerospace Engineering and Engineering Mechanics.
31. Supplement No. 1 to Grant NGR 44-012-225, by which the National Aeronautics and Space Administration, Washington, D. C., provides \$13,050 additional funds (Travis County) and extends the grant for the period June 1, 1973 through May 31, 1974. The research entitled, "Stable Carbon Isotope Ratio Variations in Blue-Green Algae as a Function of Growth Conditions," continues under the direction of Dr. Chase Van Baalen, Professor of Botany, and Dr. Patrick L. Parker, Associate Professor of Chemistry.
32. Modification No. 1 to Contract No. 2-37031, by which the U.S. Department of Commerce, Washington, D. C., extends the contract through May 15, 1973, without additional funds. The research entitled, "Study of Minority Enterprises Small Business Investment Companies (MESBIC) - Their Structure, Operations, Problems and Financings," continues under the direction of Dr. Kenneth Knight, Associate Professor of Management.
33. Contract Texas PD-1, by which the U.S. Department of Housing and Urban Development, Washington, D. C., provides \$80,757 (Travis County) for support of a program entitled, "Texas Property Tax Administration: A Research Seminar Proposal." The contract is effective for the period September 1, 1972 through December 31, 1973, and the program will be under the direction of Dr. John A. Gronouski, Dean, Lyndon B. Johnson School of Public Affairs.
34. Grant No. 21-48-73-45, by which the U.S. Department of Labor, Manpower Administration, Washington, D. C., provides \$74,014.40 (Travis County) for support of research entitled, "The Emergence of a Service Society: Demographic - Sociological Aspects of the Sectoral Transformation of the Labor Force in the United States, 1940-1970." The grant is effective for the period June 1, 1973 through August 31, 1974, and the research will be under the direction of Dr. Harley L. Browning, Professor of Sociology.
35. Modification No. 7, Supplemental Agreement to Contract No. 82-48-71-18, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., extends the contract through July 15, 1973, without additional funds. The research entitled, "Nonapprentice Entry to Selected Construction Trades" (a comparison of journeymen who have and have not completed apprenticeship), continues under the direction of Dr. F. Ray Marshall, Professor of Economics.

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GRANTS, CONTRACTS, and AGREEMENTS – FEDERAL (Continued):

36. Contract CX700030184, by which the U. S. Department of the Interior, National Park Service, Southwest Region, Santa Fe, New Mexico, provides \$40,000 (Travis County) for support of research entitled, "Additional Archeological Excavations in the Wallisville Reservoir, Trinity River, Texas." The contract is effective for the period May 1, 1973 through March 31, 1975, and the research will be under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
37. Contract CX700030192, by which the U. S. Department of the Interior, National Park Service, Southwest Region, Santa Fe, New Mexico, provides \$15,000 (Travis County) for support of archeological investigations in the Laneport Reservoir, San Gabriel River, Texas, for the period May 1, 1973 through December 31, 1974. The investigations will be under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
38. Purchase Order PX700030511, by which the U. S. Department of the Interior, National Park Service, Southwest Region, Santa Fe, New Mexico, provides \$2,500 (Travis County) for support of archeological investigations at Birthplace Area, Lyndon B. Johnson National Historic Site, Gillespie and Blanco Counties, Texas. The purchase order is effective for the period April 1, 1973 through May 31, 1973, and the investigations will be under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
39. Amendment No. 1 to Grant SBA-406-72-GR-45, by which the U. S. Small Business Administration, Washington, D. C., extends the grant through October 31, 1973, without additional funds. The project entitled, "On-Call Business Management Consulting Service," (with its purpose to assist the SBA Dallas Regional and San Antonio District Offices in applying a full-range of professional services to SBA loan-8(a) contract portfolio using qualified business students, business professors and private consultants) continues under the direction of Seymour Schwartz, Assistant to the Dean, College of Business Administration.
40. Modification No. 12 to Contract OEC-6-10-108, by which the Department of Health, Education, and Welfare, National Institute of Education, Washington, D. C. revises Accounting Data shown on Modification No. 11 dated November 30, 1972, in which \$181,375 was awarded the University. The Research and Development Center for Teacher Education continues under the direction of Dr. Robert F. Peck, Professor of Educational Psychology, and Dr. Oliver H. Bown, Professor of Educational Psychology.
41. Modification No. 1 to Contract OEC-6-72-0724(509), by which the Department of Health, Education, and Welfare, National Institute of Education, Washington, D. C., extends the contract through July 31, 1973, without additional funds. The research entitled, "A Study to Determine the Effectiveness of Electronically Paced Typewriting Instruction for Blind Students," continues under the direction of Dr. Faborn Etier, Associate Professor of Office Administration.
42. Modification No. 1, Supplemental Agreement to Contract OEC-6-71-0516-(508), by which the Department of Health, Education, and Welfare, National Institute of Education, Washington, D. C., extends the contract through November 30, 1973, without additional funds. The research entitled, "The Politics of Bilingual Education," continues under the direction of Dr. Robert L. Hardgrave, Associate Professor of Government.

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GRANTS, CONTRACTS, and AGREEMENTS – FEDERAL (Continued):

43. Revision No. 1 to Grant OEG-0-72-1443, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$251,000 additional funds (Travis County) and extends the grant for the period May 1, 1973, through April 30, 1974. The project entitled, "Region VI - Teacher Training Consortium," continues under the direction of Dr. W.E. Barron, Professor of Educational Administration.
44. Amendment No. 3 to Grant Agreement OEG-0-72-0242-(824-820), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., reduces funds by \$794. The graduate fellowship program—Doctoral Dissertation Abroad—continues to be coordinated by Dr. Fred P. Ellison, Associate Dean of the Graduate School.
45. Amendment No. 3 to Grant OEG-0-72-1121(715), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$85,000 additional funds (Travis County - \$26,261; Bexar County - \$58,739) and extends the grant for the period June 1, 1973 through August 31, 1973. The Teacher Corps In-Service Program, Seventh Cycle, continues under the direction of Ernest D. O'Neil, Assistant Professor of Curriculum and Instruction.
46. Grant OEG-0-73-1158, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$40,000 (Travis County) for support of a project entitled, "Institute for Junior College Teachers of Disadvantaged of High-Risk Students." The grant is effective for the period May 1, 1973 through June 30, 1974, and the project will be under the direction of Dr. Robert A. Reynolds, Acting Director, Visual Instruction Bureau.
47. Biomedical Sciences Support Grant RR 07091-08, by which the Department of Health, Education, and Welfare, Public Health Service, Division of Research Resources, National Institutes of Health, Bethesda, Maryland, provides \$33,598 (Travis County) for the period June 1, 1973 through May 31, 1974. The biomedical sciences program continues to be coordinated by the Graduate School under the direction of Dr. A. W. Straiton, Acting Vice-President and Graduate Dean.
48. Grant AI09533-03, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$23,628 (Travis County) for support of research entitled, "Chicken Immunoglobulins - Complexity and Evolution," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1971 through May 31, 1974, and the research continues under the direction of Dr. Bob G. Sanders, Associate Professor of Zoology.
49. Grant AI09765-04, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$16,479 (Travis County) for support of research entitled, "Mechanisms of Infection of Insect Viruses," for the period of June 1, 1973 through May 31, 1974. The total project period is June 1, 1973 through May 31, 1976, and the research continues under the direction of Dr. Max D. Summers, Assistant Professor of Botany.

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GRANTS, CONTRACTS, and AGREEMENTS — FEDERAL (Continued):

50. Grant A111192-01, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$23,630 (Travis County) for support of research entitled, "Mechanisms of Infection of Mosquitoes: Arboviruses," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1973, through May 31, 1976, and the research will be under the direction of Dr. Max D. Summers, Assistant Professor of Botany.
51. Grant CA14200-01, by which the Department of Health, Education, and Welfare, Public Health Service, Division of Cancer Grants, National Cancer Institute, Bethesda, Maryland, provides \$61,986 (Travis County) for support of research entitled, "Tumor Inhibition by Prolactin Inhibiting Factor," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1973 through May 31, 1976. The research will be under the direction of Dr. Karl Folkers, Professor of Chemistry.
52. Grant GM12323-09, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$47,585 (Travis County) for support of research entitled, "Studies in Biochemical Genetics," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1972 through May 31, 1977, and the research continues under the direction of Dr. Robert P. Wagner, Professor of Zoology.
53. Grant MH22590-01A1, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$59,027 (Travis County) for support of research entitled, "Impact of Instruction and Counseling of Youth," for the period May 1, 1973 through April 30, 1974. The total project period is May 1, 1973 through April 30, 1976, and the research will be under the direction of Dr. John E. Roueche, Professor of Educational Administration.
54. Grant MH22249-01, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$20,863 (Travis County) for support of research entitled, "Desegregation and Prejudice," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1973 through May 31, 1976, and the research will be under the direction of Dr. Walter G. Stephan, Assistant Professor of Psychology.
55. Grant MH23262-01, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$69,579 (Travis County) for support of research entitled, "Assimilation of Latin American Minorities in the United States," for the period June 1, 1973 through May 31, 1974, which is the total project period of the grant. The research will be under the direction of Dr. Alejandro Portes, Professor of Sociology.
56. Grant NS11211-01, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Neurological Diseases and Stroke, Bethesda, Maryland, provides \$37,314 (Travis County) for support of research entitled, "Neural Differentiation: Nerve Growth Factor Proteins," for the period May 1, 1973 through April 30, 1974. The total project period is May 1, 1973 through April 30, 1976, and the research will be under the direction of Dr. José R. Perez-Polo, Assistant Professor of Zoology.

THE UNIVERSITY OF TEXAS AT AUSTIN

July 27, 1973

GRANTS, CONTRACTS, and AGREEMENTS - FEDERAL (Continued):

57. Grant K04 GM 29413-03, Development Award-Research Career Program, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$25,000 (Travis County) for support of research entitled, "Regulation of Bacterial Cell Division." The grant is effective for the period June 1, 1973 through May 31, 1974, and the research continues under the direction of Dr. James R. Walker, Associate Professor of Microbiology (Awardee) and Dr. L. Joe Berry, Professor of Microbiology (Sponsor).
58. Grant AI02830-14, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$20,741 (Travis County) for support of research entitled, "Bacterial Cysts and Bacterial Survival," for the period June 1, 1973, through May 31, 1974. The total project period is June 1, 1972 through May 31, 1975, and the research continues under the direction of Dr. Orville Wyss, Professor of Microbiology.
59. Grant AI07184-08, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$56,005 (Travis County) for support of research entitled, "Studies with Antiglobulin Antibodies," for the period May 1, 1973, through April 30, 1974. The total project period is May 1, 1972, through April 30, 1977, and the research continues under the direction of Dr. William J. Mandy, Associate Professor of Microbiology.
60. Grant T01 AI00414-04, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$58,619 (Travis County) for support of a training program entitled, "Cellular and Subcellular Basis of Pathogenesis," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1970 through June 30, 1975, and the program continues under the direction of Dr. L. Joe Berry, Professor of Microbiology.
61. Grant T01 GM00337-14, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$99,612 (Travis County) for support of a training program entitled, "Genetics and Cell Biology," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1970 through June 30, 1976, and the program continues under the direction of Dr. Robert P. Wagner, Professor of Zoology.
62. Grant T01 GM00600-14, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$42,928 (Travis County) for support of a training program in microbiology for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1970 through June 30, 1976, and the program continues under the direction of Dr. Orville Wyss, Professor of Microbiology.
63. Grant T01 GM00836-11, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$51,951 (Travis County) for support of a training program entitled, "Physiology and Biophysics," for the period July 1, 1973, through June 30, 1974. The total project period is July 1, 1969, through June 30, 1976, and the program continues under the direction of Dr. A. R. Schrank, Professor of Zoology.

THE UNIVERSITY OF TEXAS AT AUSTIN

July 27, 1973

GRANTS, CONTRACTS, and AGREEMENTS - FEDERAL (Continued):

64. Grant T01 MH07745-12, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$45,511 (Travis County) for support of a training program entitled, "School Social Work," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1967 through June 30, 1974, and the training program continues under the direction of Dr. Charles W. Laughton, Acting Dean, Graduate School of Social Work.
65. Grant T01 MH08293-11, by which the Department of Health, Education, and Welfare, Behavioral Sciences Training Branch, National Institute of Mental Health, Bethesda, Maryland, provides \$70,916 (Travis County) for support of a training program entitled, "Applied Psychology - Other Than Clinical," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1970 through June 30, 1975, and the program continues under the direction of Dr. Beeman N. Phillips, Professor of Educational Psychology.
66. Grant No. 46-P-30182/6-02, by which the Department of Health, Education, and Welfare, Social and Rehabilitation Service, Office of Manpower Development and Training, Washington, D. C., provides \$46,959 (Travis County) for support of a training program entitled, "Social Work Training - Graduate," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1972 through June 30, 1974, and the program continues under the direction of Dr. Charles W. Laughton, Acting Dean, Graduate School of Social Work.
67. Amendment No. 4 to Grant EC-509X (formerly GJ-509X), by which National Science Foundation, Washington, D. C., provides \$144,000 additional funds (Travis County) and extends the period of the grant through December 31, 1974. The total grant period now is June 18, 1969 through December 31, 1974, and the research entitled, "Research and Development in Computer Based Instruction," continues under the direction of Dr. Wilson A. Judd, Assistant Professor of Educational Psychology; Dr. Harold F. O'Neil, Jr., Assistant Professor of Educational Psychology; and Dr. R. F. Simmons, Professor of Computer Sciences and of Psychology.
68. Grant GA-38827, by which National Science Foundation, Washington, D. C., provides \$29,200 (Travis County) for support of research entitled, "An Evaluation of an Audio Frequency Magnetotelluric System in the Central Texas Region." The grant is effective for the period May 15, 1973 through October 31, 1974, and the research will be under the direction of Dr. Harold W. Smith, Professor of Electrical Engineering, and Dr. Francis X. Bostick, Jr., Professor of Electrical Engineering.
69. Grant GB-39270, by which National Science Foundation, Washington, D. C., provides \$3,000 (Travis County) for support of Doctoral Dissertation Research entitled, "Sexual Polymorphisms in Some Neotropical Mimetic Butterflies." The grant is effective for the period June 1, 1973 through November 30, 1974, and the research will be performed by Craig T. Jordan (Doctoral Candidate) under the direction of Dr. Lawrence E. Gilbert, Jr., Assistant Professor of Zoology (Advisor).
70. Grant GF-36715, by which National Science Foundation, Washington, D. C., provides \$81,500 (Travis County) for support of research entitled, "Molecular Structure Studies." The grant is effective for the period April 1, 1973 through September 30, 1976, and the research will be under the direction of Dr. James E. Boggs, Professor of Chemistry.

THE UNIVERSITY OF TEXAS AT AUSTIN

July 27, 1973

GRANTS, CONTRACTS, and AGREEMENTS - FEDERAL (Continued):

71. Grant GF-38873, by which National Science Foundation, Washington, D. C., provides \$11,830 (Travis County) for support of research entitled, "High Speed Photoelectric Photometry Program of Flare Stars." The grant is effective for the period April 15, 1973 through September 30, 1974, and the research will be under the direction of Dr. David S. Evans, Professor of Astronomy.
72. Amendment No. 1 to Grant GI-34870X, by which National Science Foundation, Washington, D. C., provides \$239,000 additional funds (Travis County) and extends the grant for the period June 1, 1973 through November 30, 1974. The research entitled, "Establishment of Operational Guidelines for Texas Coastal Zone Management," continues under the direction of Dr. E. Gus Fruh, Associate Professor of Civil Engineering.
73. Amendment No. 2 to Grant GK-27824, by which National Science Foundation, Washington, D. C., extends the grant through May 31, 1974, without additional funds. The project entitled, "Research Initiation - Influence of Wave Pressures on Offshore Foundation Behavior," continues under the direction of Dr. Stephen G. Wright, Assistant Professor of Civil Engineering.
74. Amendment No. 2 to Grant GN-28893, by which National Science Foundation, Washington, D. C., provides \$3,600 additional funds (Travis County) and extends the grant for the period October 13, 1972 through August 31, 1973. The research entitled, "Legal Aspects of Information Systems and Data Bases," continues under the direction of Dr. Michael A. Duggan, Professor of Business Law and Computer Sciences.
75. Amendment No. 2 to Grant GP-23282, by which National Science Foundation, Washington, D. C., provides \$40,000 additional funds (Travis County) and extends the grant for the period April 1, 1973 through September 30, 1974. The research entitled, "Nuclear Astrophysics - Experimental and Theoretical," continues under the direction of Dr. Cary N. Davids, Assistant Professor of Physics, and Dr. W. David Arnett, Associate Professor of Astronomy.
76. Amendment No. 1 to Grant GP-28489, by which National Science Foundation, Washington, D. C., provides \$55,000 (Travis County) additional funds and extends the grant for the period July 1, 1973 through December 31, 1975. The research entitled, "Basic Processes in Gaseous Discharges and Raman Spectroscopy of Gaseous Dimers," continues under the direction of Dr. Lothar W. Frommhold, Professor of Physics.
77. Amendment No. 1 to Grant GP-28542, by which National Science Foundation, Washington, D. C., provides \$20,000 additional funds (Travis County) and extends the grant for the period June 1, 1973 through November 30, 1974. The research entitled, "Spectroscopic Studies of Liquid Ammonia Solutions," continues under the direction of Dr. J. J. Lagowski, Professor of Chemistry.
78. Amendment No. 1 to Grant GP-34261, by which National Science Foundation, Washington, D. C., provides \$5,800 additional funds (Travis County) and extends the grant for the period June 1, 1973 through November 30, 1974. The research entitled, "A Unified Study of Some Recent Nonlinear Problems of Mathematical Physics," continues under the direction of Dr. Ralph E. Showalter, Associate Professor of Mathematics.

THE UNIVERSITY OF TEXAS AT AUSTIN

July 27, 1973

GRANTS, CONTRACTS, and AGREEMENTS – FEDERAL (Continued):

79. Modification No. 1 to Grant GP-34639X, by which National Science Foundation, Washington, D. C., provides \$46,800 additional funds (Travis County) and extends the grant for the period June 1, 1973 through November 30, 1974. The research entitled, "Relativity and Gravitational Theories," continues under the direction of Dr. Alfred Schild, Ashbel Smith Professor of Physics; Dr. Lawrence C. Shepley, Associate Professor of Physics; and Dr. Richard A. Matzner, Assistant Professor of Physics.
80. Grant GP-38512, by which National Science Foundation, Washington, D. C., provides \$13,400 (Travis County) for support of research entitled, "Pre-Main Sequence Stars." The grant is effective for the period May 1, 1973 through October 31, 1974, and the research will be under the direction of Dr. Michel Breger, Professor of Astronomy.
81. Grant GP-38539, by which National Science Foundation, Washington, D. C., provides \$6,300 (Travis County) for support of research entitled, "Second Dual Techniques in the Study of Uniform Algebras and Operator Theory." The grant is effective for the period June 1, 1973 through November 30, 1974, and the research will be under the direction of Dr. Galen L. Seever, Associate Professor of Mathematics.
82. Grant GP-38542, by which National Science Foundation, Washington, D. C., provides \$5,300 (Travis County) for support of research entitled, "Chains of Primes in Noetherian Rings." The grant is effective for the period June 1, 1973 through November 30, 1974, and the research will be under the direction of Dr. Stephen J. McAdam, Assistant Professor of Mathematics.
83. Grant GP-38770, by which National Science Foundation, Washington, D. C., provides \$5,200 (Travis County) for support of research entitled, "Theory of Rings." The grant is effective for the period June 1, 1973 through November 30, 1974, and the research will be under the direction of Dr. Joe W. Fisher, Assistant Professor of Mathematics.
84. Grant GP-38810, by which National Science Foundation, Washington, D. C., provides \$6,300 (Travis County) for support of research entitled, "Topological Characterizations of Manifolds." The grant is effective for the period June 1, 1973, through November 30, 1974, and the research will be under the direction of Dr. William T. Eaton, Associate Professor of Mathematics.
85. Grant GP-38865, by which National Science Foundation, Washington, D. C., provides \$7,100 (Travis County) for support of research entitled, "Tensor Algebras and L^P Multipliers." The grant is effective for the period June 1, 1973 through November 30, 1974, and the research will be under the direction of Dr. John E. Gilbert, Associate Professor of Mathematics.
86. Amendment No. 2 to Grant GS-28847, by which National Science Foundation, Washington, D. C., provides \$8,100 additional funds (Travis County) for support of research entitled, "Antecedents of Interpersonal Attraction." The current grant period is June 1, 1971 through November 30, 1973, and the research continues under the direction of Dr. Elliott Aronson, Professor of Psychology.

THE UNIVERSITY OF TEXAS AT AUSTIN
AMENDMENTS TO THE 1972-73 OPERATING BUDGET
BOARD OF REGENTS MEETING - JULY 27, 1973

The term "rate" for academic personnel is the full-time nine-month base rate; for classified personnel it is the full-time twelve-month rate, the appointee receiving a proportionate amount depending upon the fraction of time for which he is appointed and the period of his appointment. Source of funds for payment of salaries, unless otherwise shown, is the departmental salaries account.

Item, Department, Title, Name	Period of Appointment	% Time	<u>Full-time Salary</u>	
			No. Mos.	Rate

GENERAL ADMINISTRATION
AND STUDENT SERVICES

Office of the Vice-President
for Student Affairs

Transfer Between Dissimilar Appropriations

1. Amount of Transfer - \$ 1,500

To: Maintenance and Operation

From: Development of Student Services

To reimburse the Maintenance and Operation account for funds expended from it for the development of student services.
(RBC# 2619)

University Personnel Office

Transfer Between Dissimilar Appropriations

2. Amount of Transfer - \$ 2,500

To: Wages - Clerical Assistants

From: Administrative and Professional Salaries

Reallocate funds available in the Administrative and Professional Salaries account which were needed for clerical help.
(RBC# 2601)

Office of Accounting

Transfer of Funds

3. Amount of Transfer - \$ 12,172

To: Accounting - Classified Personnel (\$2,191)
Maintenance and Operation (\$2,104)
Special Equipment (\$7,877)

From: Unallocated Classified Salaries (\$2,191)
Unallocated Maintenance and Operation (\$9,981)

For startup costs for Centralized Vouchering.
(RBC# 2678)

Receiving and Delivery

Transfer of Funds

4. Amount of Transfer - \$ 9,158

To: Receiving and Delivery - Classified Personnel (\$1,098)
Special Equipment (\$8,060)

From: Unallocated Classified Salaries (\$1,098)
Unallocated Maintenance and Operation (\$8,060)

For startup costs of Central Receiving and Delivery.
(RBC# 2676)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

GENERAL ADMINISTRATION
AND STUDENT SERVICES (Continued)

Purchasing Office

Transfer Between Dissimilar Appropriations

5. Amount of Transfer - \$ 2,400

To: Wages

From: Maintenance and Operation

Funds will be used for part-time student help needed to assist with the moving of this office to a new facility before September 1, 1973.

(RBC# 2729)

Transfer of Funds

6. Amount of Transfer - \$ 2,154

To: Classified Personnel (\$ 804)

Wages (\$ 500)

Maintenance and Operation (\$ 850)

From: Unallocated Classified Personnel (\$ 1,304)

Unallocated Maintenance and Operation (\$ 850)

For startup costs of Centralized Purchasing.

(RBC# 2677)

Counseling - Psychological
Services Center

Transfer Between Dissimilar Appropriations

7. Amount of Transfer - \$ 8,000

To: Wages

From: Administrative and Professional Salaries

Reallocation of funds to provide for part-time help needed during the summer.

(RBC# 2620)

GENERAL INSTITUTIONAL EXPENSE

Balcones Research Center -
Administrative Section

Transfer Between Dissimilar Appropriations

8. Amount of Transfer - \$ 10,000

To: Maintenance and Operation

From: Administrative and Professional Salaries

Reallocation of funds available to provide for the stipend of a consultant needed in planning for increased utilization of Balcones Research Center.

(RBC# 2641)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF HUMANITIES</u>				
<u>Office of the Dean</u>				
Interdepartmental Transfer				
9. Amount of Transfer - \$ 100				
To: Office of the Dean, College of Humanities - Visiting Lecturers and Consultants				
From: Office of the Dean, Division of General and Comparative Studies - Visiting Lecturers and Consultants				
Reallocation of funds to provide for the fee of a consultant. (RBC# 2640)				
<u>English</u>				
Change of Status				
Assistant Professor				
10. Robert V. Wess (Non-tenure)				
To:	9/1 - 1/15	100	9	\$ 12,200
From:	9/1 - 5/31	100	9	12,200
(RBC# 239)				
Transfer Between Dissimilar Appropriations				
11. Amount of Transfer - \$ 5,000				
To: Wages				
From: Teaching Assistants				
Funds available in the departmental Teaching Assistants account will be used for grading and other part-time help needed during the Summer Session. (RBC# 2609)				
<u>Germanic Languages</u>				
Interdepartmental Transfer				
12. Amount of Transfer - \$ 50				
To: Germanic Languages - Visiting Lecturers and Consultants				
From: Office of the Dean, College of Humanities - Visiting Lecturers and Consultants				
To provide the additional funds needed for the stipend of a visiting lecturer. (RBC# 2721)				
<u>Oriental and African Languages and Literatures</u>				
Transfer of Funds				
13. Amount of Transfer - \$ 600				
To: Oriental and African Languages and Literatures - Wages				
From: English - Teaching Assistants				
Reallocation of funds within this College to provide the Department of Oriental and African Languages and Literatures with funds needed for student and other part-time help for the Summer Session. (RBC# 2611)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>Oriental and African Languages and Literatures (Continued)</u>				
Transfer of Funds				
14. Amount of Transfer - \$ 1,000				
To: Oriental and African Languages and Literatures - Maintenance and Operation				
From: Office of the Dean, College of Humanities - Special and Teaching Equipment				
To provide the additional funds needed by the department for teaching materials and equipment for the remainder of the fiscal year. (RBC# 2639)				
<u>Philosophy</u>				
Appointment				
Assistant Instructor				
15. James P. Devlin (Non-tenure) (RBC# 2719)	1/16 - 5/31	50	9	\$ 8,000
<u>SOCIAL AND BEHAVIORAL SCIENCES</u>				
<u>Anthropology</u>				
Transfer of Funds				
16. Amount of Transfer - \$ 2,000				
To: Anthropology - Maintenance and Operation				
From: Unallocated Maintenance and Operation				(\$ 1,500)
Office of the Dean, College of Social and Behavioral Sciences - Maintenance and Operation				(\$ 500)
To provide the Anthropology Department with operating funds needed for the remainder of the fiscal year. (RBC# 2728, 2636)				
<u>Psychology</u>				
Interdepartmental Transfer				
17. Amount of Transfer - \$ 3,400				
To: Psychology - Special and Teaching Equipment				
From: Office of the Dean, College of Social and Behavioral Sciences - Special and Teaching Equipment				
Funds were used to purchase equipment needed to construct apparatus for experimental Psychology courses and for other equipment needed by the department. (RBC# 2720)				
<u>Sociology</u>				
Transfer of Funds				
18. Amount of Transfer - \$ 799				
To: Sociology - Maintenance and Operation				
From: Sociology - Visiting Lecturers				(\$ 224)
Office of the Dean, College of Social and Behavioral Sciences - Maintenance and Operation				(\$ 575)
To provide the additional funds needed for computer supplies and other operating costs for the remainder of the fiscal year. (RBC# 2637, 2635, 2634)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

COLLEGE OF NATURAL SCIENCESOffice of the Dean

Transfer of Funds

19. Amount of Transfer - \$ 6,076

To: Office of the Dean, College of Natural Sciences - Wages

From: Division of Biological Sciences - Teaching Assistants (\$ 2,000)
 Computer Sciences - Teaching Assistants (\$ 1,176)
 Geological Sciences - Teaching Assistants (\$ 2,900)

Reallocation of funds within this college to provide the Dean's Office with part-time staff support needed for the Summer Session.

(RBC# 2612, 2613, 2614)

Transfer of Funds

20. Amount of Transfer - \$ 29

To: Office of the Dean, College of Natural Sciences -
Administrative and Professional Salaries

From: Unallocated Faculty Salaries

To provide the additional support needed for the salaries of the Administrative and Professional staff currently employed.
 (RBC# 2659)

Transfer of Funds

21. Amount of Transfer - \$ 10,100

Transfers were made from the Dean's Special Equipment account to the various departmental Special Equipment accounts as follows:

(1) Astronomy \$ 2,000
 To purchase an Image tube.
 (RBC# 2643)

(2) Botany 5,700
 To provide for laboratory equipment needs of two members of the faculty engaged in research projects.
 (RBC# 2493)

(3) Mathematics 2,400
 To purchase electronic calculators needed by the faculty in preparing quizzes and by the clerical staff for budgetary calculations.
 (RBC# 2632)

Astronomy

Interdepartmental Transfer

22. Amount of Transfer - \$ 33

To: Astronomy - Teaching Assistants

From: Botany - Teaching Assistants

Reallocation of Teaching Assistants funds to provide the additional support needed for the salary of a Teaching Assistant employed by the Astronomy Department during the Spring Semester.

(RBC# 2633)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Geological Sciences</u>				
Appointment			Academic	
Visiting Professor			<u>Rate</u>	<u>Stipend</u>
23. Stanley N. Davis (Non-tenure)	2/1 - 2/18	100	\$ 18,000	\$ 1,125
Source of Funds: Transfer from Unallocated Teaching Salaries (RBC# 2630,2778)				
Appointment			Academic	
Visiting Professor			<u>Rate</u>	<u>Stipend</u>
24. Mahlon M. Ball (Non-tenure)	1/15 - 2/2	100	18,000	1,120
Source of Funds: Transfer from Unallocated Teaching Salaries (RBC# 2608,2778)				
Appointment			Academic	
Adjunct Professor				
25. William M. Ewing (Non-tenure)	9/1 - 5/31	---	--	---
(RBC# 2628)				
Appointment			Academic	
Adjunct Professor				
26. John L. Worzel (Non-tenure)	9/1 - 5/31	---	--	---
(RBC# 2629)				
Transfer of Funds				
27. Amount of Transfer - \$ 400				
To: Geological Sciences - Visiting Lecturers				
From: Unallocated Teaching Salaries				
Funds were used for stipends of four visiting lecturers. (RBC# 2727)				

COLLEGE OF BUSINESS ADMINISTRATION

Office of the Dean

Change of Status

Assistant to the Dean				
28. Robert W. Smith				
To:	6/1 - 7/15	100	9	12,000
From:	7/16 - 8/31	100	9	12,000
(RBC# 3054)				

Appointment

Social Science Research			Academic	
Associate (Faculty)			<u>Rate</u>	<u>Stipend</u>
29. D. Maitland Huffman	7/16 - 8/31	100	15,100	2,517
Academic Status: Associate Professor (Management) (RBC# 2752)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

COLLEGE OF BUSINESS
ADMINISTRATION (Continued)

Accounting

Resignation

Assistant Professor

30. Lawrence Tomassini (Non-tenure) 1/16 - 5/31 100 9 \$ 14,200

Date of Resignation 1/15/73
(RBC# 2624)

SCHOOL OF COMMUNICATION

Office of the Dean

Transfer of Funds

31. Amount of Transfer - \$ 3,222

Transfers were made from the Dean's Special Equipment Account to the various departmental Special Equipment accounts as follows:

- | | |
|--|----------|
| (1) Journalism | \$ 1,185 |
| For equipment which will provide slide duplication facilities for large classes, a recorder needed for broadcast news classes; a camera for student use in making classroom TV commercials and a calculator for student use in Advertising courses.
(RBC# 2631) | |
| (2) Radio/Television/Film | 567 |
| For equipment needed in the multi-media laboratory.
(RBC# 2646) | |
| (3) Speech Communication | 650 |
| Funds were used for a 16mm film projector.
(RBC# 2647) | |
| (4) Center for Communication Research | 820 |
| Funds were used for a Stereo Tape System to be used in research dealing with sound/sight perception.
(RBC# 2658) | |

Journalism

Transfer of Funds

32. Amount of Transfer - \$ 363

To: Journalism - Teaching Assistants

From: Office of the Dean, School of Communication -
Reserve for Faculty Salaries

To provide the additional salary support needed for Teaching Assistants for the Spring Semester.
(RBC# 2645)

COLLEGE OF EDUCATION

Educational Psychology

Transfer Between Dissimilar Appropriations

33. Amount of Transfer - \$ 740

To: Teaching Assistants

From: Wages

Reallocation of departmental funds to provide for Teaching Assistants needed during the Spring Semester.
(RBC# 2610)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

COLLEGE OF ENGINEERINGCivil Engineering - Architectural Engineering Division

Interdepartmental Transfer

34. Amount of Transfer - \$ 313

To: Civil Engineering - Architectural Engineering Division -
Classified Personnel (\$ 13)
Teaching Assistants (\$ 300)

From: Civil Engineering - Classified Personnel (\$ 13)
Teaching Assistants (\$ 300)

Transfer funds between these two departments to provide for a merit increase to a member of the classified staff and for teaching assistant support needed by the Architectural Engineering Division.
(RBC# 2648, 2649)

Electrical Engineering - Biomedical Engineering Program

Transfer Between Dissimilar Appropriations

35. Amount of Transfer - \$ 419

To: Classified Personnel

From: Maintenance and Operation

Reallocation of departmental funds to provide support needed for the salary of Laboratory Research Assistant II needed to maintain research animals.
(RBC# 2650)

Mechanical Engineering - Nuclear Reactor Teaching Laboratory

Appointment

Research Engineer (Faculty)

36. Gardner D. Atkinson, Jr. 6/1 - 8/31 50 9 \$ 11,400

Academic Status:
Assistant Professor
(Mechanical Engineering)
(RBC# 2759)

COLLEGE OF FINE ARTSOffice of the Dean - Student Opera Production

Transfer of Funds

37. Amount of Transfer - \$ 2,127

To: Student Opera Production

From: Unallocated Maintenance and Operation

Transfer an amount equal to the box office receipts from the student opera production "The Love for Three Oranges". These funds were deposited to General Budget Income, but are needed now in the departmental maintenance and operation account to pay for expenses incurred in the presentation of the opera.
(RBC# 2660)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF FINE ARTS (Continued)</u>				
<u>Drama</u>				
Change of Status				
Professor				
38. Igor Youskevitch (Tenure)				
To:	9/1 - 4/15	100	9	\$ 18,000
From:	9/1 - 5/31	100	9	18,000
(RBC# 2725)				

SCHOOL OF LAW

School of Law - Travis County
Legal Defenders Society

Resignation

Legal Aid Director				
39. John M. Scanlan	9/1 - 8/31	50	12	17,000
Date of Resignation	5/31/73			
(RBC# 3053)				

COLLEGE OF PHARMACY

Appointment

Assistant Dean and Associate Professor

40. Victor A. Yanchick (Tenure)				
Assistant Dean	6/1 - 8/31	50	9	16,100
Associate Professor - USPHS				
Contract Funds	6/1 - 8/31	50	9	16,100
(RBC# 2750, 2760)				

Transfer Between Dissimilar Appropriations

41. Amount of Transfer - \$ 7,867				
To: Visiting Lecturers and Consultants				(\$ 1,367)
Travel				(\$ 1,500)
Computation Center Charge				(\$ 50)
Maintenance and Operation				(\$ 4,950)
From: Administrative and Professional Salaries				(\$ 1,367)
Classified Personnel Salaries				(\$ 6,500)
Reallocation of available funds to provide for stipend of visiting lecturers, for travel of faculty to attend the APhA Convention, for laboratory animals and supporting foods and drugs used in experiments conducted in the laboratory course Phr. 273, and for Computation Center charges incurred in the presentation of Phr. 366N during the Spring Semester.				
(RBC# 2652, 2653, 2654, 2655, 2656, 2651)				

GRADUATE SCHOOL OF SOCIAL WORK

Transfer Between Dissimilar Appropriations

42. Amount of Transfer - \$ 3,000				
To: Maintenance and Operation				
From: Travel				
Funds available in the School's Travel account were needed for telephone and other operational expenses.				
(RBC# 2642)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>OFFICE OF THE DEAN OF GRADUATE SCHOOL</u>				
Appointment				
Vice President and Dean of Graduate Studies				
43. Gardiner Lindzey	6/1 - 8/31	100	12	\$ 41,500
Source of Funds: Transfer from Unallocated Teaching Salaries (RBC# 2663, 2680)				
<u>AIR FORCE SCIENCE</u>				
Resignation				
Associate Professor				
44. Thomas J. Campbell (Non-tenure)	9/1 - 5/31	100	Salary paid by U. S. Air Force	
Date of Resignation (RBC# 2625)				
<u>LBJ SCHOOL OF PUBLIC AFFAIRS</u>				
Resignation				
Assistant Professor				
45. William Yeager (Non-tenure)	9/1 - 5/31	LWOP	9	(15,000)
Date of Resignation (RBC# 2623)				
Transfer Between Dissimilar Appropriations				
46. Amount of Transfer - \$ 28,000	To: Maintenance and Operation			
	From: Faculty Salaries			
Reallocation of funds available to provide for the School's operational needs for the remainder of the fiscal year. (RBC# 2638)				
<u>LIBRARY</u>				
Appointment				
Professional Librarian (Temporary)				
47. Lois J. H. Bebout	3/21 - 8/31	100	12	12,800
(RBC# 2675)				
Reappointment				
Professional Librarian				
48. Mary E. Odum	5/1 - 8/31	100	12	8,900
Previous appointment was at the same rate. (RBC# 2674)				
Resignation				
Professional Librarian				
49. Lucy L. Smith	9/1 - 8/31	100	12	9,700
Date of Resignation (RBC# 3046)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>LIBRARY (Continued)</u>				
<u>Library - Law Library</u>				
Appointment and Salary Increase				
Professional Librarian				
50. Barbara S. Bridges	4/1 - 8/31	100	12	\$ 10,000
Previous appointment:				
Library - Law Library - Government Contract Funds				
Professional Librarian	9/1 - 3/31	100	12	<u>9,600</u>
Rate Increase			<u>12</u>	<u>400</u>
(RBC# 2672, 2698)				
Change of Status				
Associate Law Librarian				
51. Leslie W. Sheridan				
To:	3/1 - 8/31	100	12	18,088
From:	3/1 - 8/1	100	12	18,088
(RBC# 2726)				
Resignation				
Professional Librarian				
52. Catherine Porter	9/1 - 8/31	100	12	10,500
Date of Resignation		3/31/73		
(RBC# 2673)				
Transfer Between Dissimilar Appropriations				
53. Amount of Transfer - \$ 1,354				
To: Classified Personnel				
From: Administrative and Professional Salaries				
Reallocation of salary funds to provide for personnel currently employed.				
(RBC# 2621)				
<u>ORGANIZED RESEARCH</u>				
<u>Office of Bilingual Education</u>				
Reappointment				
Acting Director				
54. Mauricio E. Charpenel				
To:	2/15 - 3/14	33	9	18,000
	3/15 - 5/31	50		
	6/1 - 6/17	100		
From:	2/15 - 5/31	33	9	18,000
Source of Funds: Departmental Administrative and Professional Salaries and Transfer from Classified Salaries				
Concurrent Employment:				
Institute for Latin American Studies				
Social Science Research				
Associate V	2/15 - 3/14	67	12	12,816
	3/15 - 5/31	50		
(RBC# 3252, 2622, 3574)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Bureau of Engineering Research</u>				
Transfer Between Dissimilar Appropriations				
55. Amount of Transfer - \$ 2,167				
To: Administrative and Professional Salaries				
From: Classified Personnel Salaries				
Transfer salary funds within the Bureau to support personnel currently employed. (RBC# 2667)				
<u>Center for Highway Research</u>				
Transfer Between Dissimilar Appropriations				
56. Amount of Transfer - \$ 2,000				
To: Maintenance and Operation (\$ 900)				
Classified Personnel Salaries (\$ 1,100)				
From: Administrative and Professional Salaries				
Reallocation of the Center's funds to provide for operational needs and to support salaries of personnel currently employed. (RBC# 2668)				
<u>Center for Research in Water Resources</u>				
Transfer Between Dissimilar Appropriations				
57. Amount of Transfer - \$ 300				
To: Travel				
From: Classified Personnel Salaries				
Funds were used for the Technical Director of the Center to attend the meeting of the ASCE Specialty Conference on Interdisciplinary Analysis of Water Resource Systems. (RBC# 2669)				
<u>Humanities Research Center</u>				
Transfer Between Dissimilar Appropriations				
58. Amount of Transfer - \$ 1,807				
To: Maintenance and Operation				
From: Administrative and Professional Salaries (\$ 762)				
Classified Personnel Salaries (\$ 1,045)				
Reallocation of funds within the Center to provide for operational needs. (RBC# 2671, 2670)				
<u>Institute of Latin American Studies</u>				
Appointment				
Social Science Research			Academic	
Associate (Faculty)			Rate	Stipend
59. Henry M. Steiner	7/16 - 8/31	100	\$ 17,750	\$ 2,958
Academic Status:				
Associate Professor				
(Management)				
(RBC# 2903)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Institute of Latin American Studies (Continued)</u>				
Appointment				
Social Science Research Associate (Faculty)			Academic	
60. George D. Schade, Jr.	6/1 - 8/31	100	<u>Rate</u>	<u>Stipend</u>
			\$ 18,000	\$ 3,000
Academic Status: Professor (Spanish and Portuguese) (RBC# 2992)				
Appointment				
Social Science Research Associate (Faculty)			Academic	
61. Richard N. Sinkin	7/16 - 8/31	100	<u>Rate</u>	<u>Stipend</u>
			\$ 12,200	\$ 2,033
Academic Status: Assistant Professor (History) (RBC# 2983)				
<u>Anthropological Laboratories</u>				
Transfer Between Dissimilar Appropriations				
62. Amount of Transfer - \$ 300				
To: Maintenance and Operation				
From: Travel				
Reallocation of funds to meet operational requirements for the remainder of the fiscal year. (RBC# 2666)				
<u>PHYSICAL PLANT</u>				
<u>Furniture and General Equipment</u>				
Transfer of Funds				
63. Amount of Transfer - \$ 1,397				
To: Furniture and General Equipment - Special Equipment				
From: Unallocated Maintenance and Operation				
Funds were used for the purchase of 150 lockers to be installed in Townes Hall. (RBC# 2581)				
<u>Office of the Superintendent of Utilities</u>				
Interdepartmental Transfer				
64. Amount of Transfer - \$ 3,032				
To: Office of the Superintendent of Utilities - Buildings - Classified Personnel				
From: Building Maintenance - Utilities - Wages				
To establish the new position of Draftsman II effective 5/1/73 in the Office of the Superintendent. (RBC# 2605)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

PHYSICAL PLANT (Continued)McDonald Observatory

Interdepartmental Transfer

65. Amount of Transfer - \$ 4,940

To: General Services - Maintenance and Operation and Equipment

From: Building Maintenance - Maintenance and Operation

Funds were used to purchase a 3/4-ton truck.

(RBC# 2602)

Port Aransas Marine Institute

Interdepartmental Transfer

66. Amount of Transfer - \$ 304

To: Building Maintenance - Classified Personnel

From: Administration - Wages (\$ 30)

Grounds Maintenance - Classified Personnel (\$ 274)

Funds were used for merit increases of three members of the classified staff.

(RBC# 2603, 2606)

ACADEMIC DEVELOPMENT PROGRAMCollege of Humanities -Office of the Dean

Interdepartmental Transfer

67. Amount of Transfer - \$ 100

To: College of Humanities - College-wide Development Funds

From: College of Fine Arts - College-wide Development Funds

Funds were used for the fee of a consultant whose services were used by both of these colleges.

(RBC# 2585)

English

Interdepartmental Transfer

68. Amount of Transfer - \$ 200

To: English - Program Development Fund

From: Classics - Program Development Fund

Funds were used for an annual drama production jointly sponsored by the Classics and English departments.

(RBC# 2589)

History

Appointment

Social Science Research

Associate (Faculty)

69. Richard Pells

8/1 - 8/31

100

Academic

RateStipend

\$ 12,200

\$ 1,355

Academic Status:

Assistant Professor (History)

(RBC# 2594)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ACADEMIC DEVELOPMENT PROGRAM (Continued)</u>				
<u>Division of General and Comparative Studies - Office of the Dean</u>				
Appointment				
Associate Professor (Germanic Languages)			Academic	
70. John Weinstock (RBC# 2596)	6/1 - 6/30	PT	<u>Rate</u> \$ 15,000	<u>Stipend</u> \$ 325
<u>Accounting</u>				
Appointment				
Associate Professor				
71. Charles H. Smith	7/16 - 8/31	100	9	\$ 15,500
Source of Funds: College-wide Development Funds (RBC# 3051)				
<u>SPONSORED PROJECTS</u>				
<u>Center for Middle Eastern Studies</u>				
Appointment				
Associate Director				
72. James A. Bill	7/16 - 8/31	50	9	14,300
Source of Funds: Office of Education Contract Funds				
Academic Status: Associate Professor (Government) and (Center for Middle Eastern Studies) (RBC# 2701)				
<u>Government</u>				
Appointment				
Research Associate (Faculty)			Academic	
73. Henry A. Dietz	6/1 - 8/31	100	<u>Rate</u> \$ 11,700	<u>Stipend</u> \$ 2,650
Source of Funds: Contract Funds				
Academic Status: Instructor (Government) (RBC# 3198)				
<u>Psychology</u>				
Appointment				
Social Science Research Associate (Faculty)				
74. Janet T. Spence	6/1 - 7/31	100	9	25,100
Source of Funds: NSF Grant				
Academic Status: Professor (Psychology) (RBC# 3433)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Astronomy</u>				
Appointment				
Research Scientist (Faculty)				
75. David N. Schramm	6/1 - 8/31	50	9	\$ 15,000
Source of Funds: NSF Grant				
Concurrent Employment:				
Astronomy				Academic
Assistant Professor	7/16 - 8/31	50		<u>Rate</u> <u>Stipend</u>
(RBC# 3253)				\$ 15,000 \$ 1,250
Appointment				
Project Director (Faculty)				
76. Gerard H. deVaucouleurs	6/1 - 6/30	100	9	21,500
Source of Funds: JPL Contract				
Academic Status: Professor (Astronomy) (RBC# 3072)				
<u>Botany</u>				
Appointment				
Director (Faculty)				
77. Harold C. Bold	6/15 - 7/15	100	9	23,600
Source of Funds: NSF Grant				
Academic Status: Professor (Botany) (RBC# 2680)				
<u>Chemistry</u>				
Appointment				
Research Scientist (Faculty)				
78. Neil D. Jespersen	7/16 - 8/31	100	9	10,700
Source of Funds: Welch Foundation Grant				
Academic Status: Assistant Professor (Chemistry) (RBC# 2757)				
Appointment				
Research Scientist (Faculty)				
79. Michael J. S. Dewar	6/1 - 8/31	100	9	36,500
Source of Funds: U.S. Air Force Contract				
Academic Status: Professor (Chemistry) (RBC# 3307)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Chemistry (Continued)</u>				
Appointment				
Director (Faculty)			Academic	
80. Philip S. Bailey	6/1 - 7/15	100	Rate	Stipend
			\$ 19,500	\$ 3,250
Source of Funds: NSF Grant				
Academic Status Professor (Chemistry) (RBC# 2709)				
<u>Computer Sciences</u>				
Appointment				
Research Scientist (Faculty)				
81. Laurent Siklossy	6/1 - 7/31	100	9	\$ 14,900
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Computer Sciences) (RBC# 3276)				
Appointment				
Research Scientist (Faculty)				
82. Robert F. Simmons	6/1 - 6/30 8/1 - 8/31	100 100	9	23,500
Source of Funds: NSF Grant				
Academic Status: Professor (Computer Sciences) (RBC# 3437, 3438)				
Appointment				
Research Scientist (Faculty)				
83. Derek H. Sleeman	6/1 - 7/15	100	9	15,000
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (1972-73 Only) (Computer Sciences) (RBC# 3439)				
<u>Mathematics</u>				
Appointment				
Research Scientist (Faculty)				
84. Ralph E. Showalter	6/1 - 7/31	100	9	15,300
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Mathematics) (RBC# 3432)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Physics</u>				
Appointment				
Research Scientist (Faculty)				
85. Frederik W. deWette	6/1 - 7/31	100	9	\$ 26,500
Source of Funds:				
U. S. Air Force Contract				
Academic Status:				
Professor (Physics)				
(RBC# 3070)				
Appointment				
Research Scientist (Faculty)				
86. James C. Thompson	6/1 - 8/31	100	9	19,000
Source of Funds:				
U. S. Army Contract				
NSF Grant				
	6/1 - 7/31			
	8/1 - 8/31			
Academic Status:				
Professor (Physics)				
(RBC# 2711, 2690)				
<u>Zoology</u>				
Appointment				
Project Director				
87. Bob G. Sanders	6/1 - 7/31	100	9	18,500
Source of Funds:				
USPHS Contract				
Academic Status:				
Associate Professor (Zoology)				
(RBC# 3214)				
Appointment				
Project Director				
88. Claude Desjardins	6/1 - 8/31	100	9	20,000
Source of Funds:				
USPHS Contract				
Academic Status:				
Associate Professor (Zoology)				
(RBC# 3071)				
<u>Journalism</u>				
Reappointment				
Director, Graduate Program in Mental Health Information				
89. DeWitt C. Reddick	6/1 - 6/30	100	9	21,000
Source of Funds:				
USPHS Contract				
Academic Status:				
Jesse H. Jones Professor (Journalism)				
Academic Rate - \$ 25,000				
(RBC# 2707)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Special Education</u>				
Appointment				
Associate Staff Training				
Program Director				
90. Nasim Dil	6/1 - 6/30	100	9	\$ 12,200
Source of Funds:				
Office of Education Contract				
Academic Status:				
Assistant Professor				
(Special Education)				
(RBC# 2702)				
<u>Aerospace Engineering and Engineering Mechanics</u>				
Appointment				
Research Scientist (Faculty)				
91. Bob E. Schutz	6/1 - 8/31	50	9	12,700
Source of Funds:				
Jet Propulsion Laboratory Funds				
6/1 - 6/30				
U. S. Air Force Contract				
7/1 - 8/31				
Concurrent Employment:				
Aerospace Engineering and Engineering Mechanics				
Assistant Professor				
6/1 - 8/31		50	Academic Rate	Stipend
			\$ 12,700	\$ 2,116
(RBC# 3402, 3401)				
<u>Chemical Engineering</u>				
Appointment				
Research Engineer (Faculty)				
92. David M. Himmelblau	6/1 - 6/21	100	9	19,800
Source of Funds:				
U. S. Department of Interior Contract				
Academic Status:				
Professor (Chemical Engineering)				
(RBC# 2751)				
Appointment				
Project Director				
93. Hugo Steinfink	6/1 - 8/31	100	9	22,900
Sources of Funds:				
NIH Grant				
6/1 - 7/19				
NSF Grant				
7/20 - 7/31				
U. S. Air Force Grant				
8/1 - 8/31				
Academic Status:				
Professor (Chemical Engineering)				
(RBC# 2994, 2995, 2993)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Mechanical Engineering</u>				
Appointment				
Research Engineer (Faculty)				
94. Thomas H. Courtney	6/1 - 8/31	100	9	\$ 16,000
Source of Funds:				
Atomic Energy Commission (50%) and U. S. Army Contract (50%)				
Academic Status:				
Associate Professor (Mechanical Engineering) (RBC# 2748, 2749)				
Appointment				
Research Engineer (Faculty)				
95. Paul A. Jensen	6/1 - 6/30 7/1 - 8/31	50 100	9	15,300
Source of Funds:				
U. S. Department of Interior Contract				
Academic Status:				
Associate Professor (Mechanical Engineering) (RBC# 3456, 3462, 2708)				
Appointment				
Research Engineer (Faculty)				
96. John P. Stark	6/1 - 8/31	100	9	16,500
Source of Funds:				
U. S. Air Force Contract				
Academic Status:				
Associate Professor (Mechanical Engineering) (RBC# 3223)				
<u>Mechanical Engineering - Nuclear Reactor Teaching Laboratory</u>				
Appointment				
Research Engineer (Faculty)				
97. E. Linn Draper	6/1 - 8/31	50	9	14,000
Source of Funds:				
NSF Grant				
Concurrent Employment:				
Mechanical Engineering - Nuclear Reactor Teaching Laboratory (General Budget Funds)				
Director	6/1 - 8/31	50	9	14,000
Academic Status:				
Assistant Professor (Mechanical Engineering) (RBC# 3275)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>School of Law</u>				
Appointment			Academic	
Professor			<u>Rate</u>	<u>Stipend</u>
98. George E. Dix	6/1 - 8/31	100	\$ 20,000	\$ 4,500
Source of Funds: Texas Criminal Justice Council Grant (RBC# 3303)				
Appointment			Academic	
Professor			<u>Rate</u>	<u>Stipend</u>
99. M. Michael Sharlot	6/1 - 8/31	100	\$ 23,000	\$ 4,500
Source of Funds: Texas Criminal Justice Council Grant (RBC# 3292)				
<u>College of Pharmacy</u>				
Appointment				
Instructor				
100. Arthur C. Solomon	6/1 - 8/31	100	9	\$ 10,500
Source of Funds: USPHS Contract (RBC# 2904)				
<u>Graduate School of Social Work</u>				
Reappointment				
Assistant Professor				
101. Victor M. Ehlers	4/1 - 8/31	100	9	15,000
Source of Funds: U. S. Department of HEW Administration - Maternal and Child Health Grant				
Previous appointment was at the same rate. (RBC# 2700, 2996)				
<u>LBJ School of Public Affairs</u>				
Appointment				
Research Associate (Faculty)				
102. Marlan Blissett	6/1 - 7/15	100	9	15,500
Source of Funds: Ford Foundation Grant				
Academic Status: Associate Professor (LBJ School of Public Affairs) (RBC# 3199)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>LBJ School of Public Affairs (Continued)</u>				
Appointment				
Research Associate (Faculty)				
103. Joe R. Feagin	6/1 - 7/31	100	9	\$ 15,500
Source of Funds:				
Interagency Contract -				
Department of Public				
Welfare (75%)				
Ford Foundation Grant (25%)				
Academic Status:				
Associate Professor (Sociology)				
(RBC# 3315, 3316)				
Appointment				
Social Science Research				
Associate (Faculty)				
104. Jurgen Schmandt	6/1 - 7/31	100	9	20,800
Source of Funds:				
Ford Foundation Grant (75%)				
Interagency Contract -				
Department of Public				
Welfare (25%)				
Academic Status:				
Professor (LBJ School				
of Public Affairs)				
(RBC# 3222, 3221)				
<u>Bureau of Engineering Research</u>				
Appointment				
Research Engineer (Faculty)				
105. Kenneth M. Ralls	6/1 - 8/31	100	9	15,000
Source of Funds: Texas				
Atomic Energy Research				
Foundation Funds				
Academic Status:				
Associate Professor				
(Mechanical Engineering)				
(RBC# 3463)				
Appointment				
Research Engineer (Faculty)				
106. Wilbur L. Dublin, Jr.	6/1 - 8/31	50	9	13,000
Source of Funds:				
Texas Atomic Energy				
Research Foundation				
Funds				
Concurrent Employment:				
Mechanical Engineering				
Lecturer	6/1 - 8/31	50	<u>Academic</u> <u>Rate</u>	<u>Stipend</u>
(RBC# 3387)			\$ 13,000	\$ 2,166

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Bureau of Engineering Research and Mechanical Engineering</u>				
Appointment				
Research Engineer (Faculty)				
107. Philip S. Schmidt				
Bureau of Engineering Research - Texas Atomic Energy Research Foundation Funds	6/1 - 6/30	50	9	\$ 13,600
Mechanical Engineering - Academic Development Funds for Energy Systems	7/1 - 8/31	50	9	13,600
Concurrent Employment: Mechanical Engineering Assistant Professor (RBC# 3403, 3553)	6/1 - 8/31	50	<u>Academic Rate</u>	<u>Stipend</u>
			\$ 13,600	\$ 2,266
<u>Bureau of Economic Geology</u>				
Change of Status				
Research Scientist				
108. Joseph H. McGowen				
To:	9/1 - 6/24	100	12	16,000
	7/14 - 8/31	100		
From:	9/1 - 8/31	100	12	16,000
Other University Employment: Geological Sciences Lecturer (RBC# 2697)	6/25 - 7/13	100	<u>Academic Rate</u>	<u>Stipend</u>
			\$ 12,000	\$ 1,500
<u>Center for Cybernetic Studies</u>				
Appointment				
Research Associate				
109. Milton Shoeman	6/1 - 7/15	100	9	15,850
Source of Funds: U. S. Navy Contract				
Academic Status: Assistant Professor (Management) (RBC# 2901)				
Appointment				
Social Science Research Associate (Faculty)				
110. Richard Soland	6/1 - 7/15	100	<u>Academic Rate</u>	<u>Stipend</u>
			\$ 16,700	\$ 2,000
Source of Funds: U. S. Navy Contract				
Academic Status: Associate Professor (General Business) (RBC# 3290)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Particle Theory</u>				
Appointment				
Research Scientist (Faculty)				
111. Robert B. Clark	6/1 - 6/30	100	9	\$ 12,700
Source of Funds:	8/1 - 8/31	100		
Atomic Energy Commission Contract				
Academic Status:				
Assistant Professor (Physics)				
(RBC# 3250, 3251, 2682)				
Appointment				
Research Scientist (Faculty)				
112. Austin M. Gleeson	6/1 - 8/31	50	9	15,800
Source of Funds:				
Atomic Energy Commission Contract				
Concurrent Employment:				
Office of the Dean of Graduate School				
Associate Dean	6/1 - 8/31	50	9	15,800
Academic Status:				
Associate Professor (Physics)				
(RBC# 2683)				
Appointment				
Research Scientist (Faculty)				
113. Arno Bohm	7/1 - 8/31	100	9	15,500
Source of Funds:				
Atomic Energy Commission Contract				
Academic Status:				
Associate Professor (Physics)				
(RBC# 2685)				
Appointment				
Research Scientist (Faculty)				
114. Charles B. Chiu	6/1 - 7/15	100	9	14,200
Source of Funds:				
Atomic Energy Commission Contract				
Academic Status:				
Assistant Professor (Physics)				
(RBC# 2681)				
Appointment				
Research Scientist (Faculty)				
115. Chinn-Chann Chiang	6/1 - 8/31	100	9	9,000
Source of Funds:				
Atomic Energy Commission Contract				
Academic Status:				
Assistant Professor (1972-73 Only)				
(Physics)				
(RBC# 2684)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Particle Theory (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
116. E. C. G. Sudarshan	6/1 - 7/31	50	9	\$ 36,000
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Professor (Physics) (RBC# 2686)				
<u>Center for Relativity Theory</u>				
Appointment				
Research Scientist (Faculty)				
117. Lawrence C. Shepley	6/1 - 7/31	100	9	13,700
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Physics) (RBC# 3423)				
Appointment				
Research Scientist (Faculty)				
118. Alfred Schild	6/1 - 7/31	100	9	27,000
Source of Funds: NSF Grant				
Academic Status: Professor (Physics) (RBC# 3424)				
Appointment				
Research Scientist (Faculty)				
119. Cecile M. DeWitt	6/1 - 6/30	100	9	22,000
Source of Funds: NSF Grant				
Academic Status: Professor (Astronomy) (RBC# 3429)				
Appointment				
Director				
120. Bryce S. DeWitt	6/1 - 7/31	100	9	25,000
Source of Funds: NSF Grant				
Academic Status: Professor (Physics) (RBC# 3428)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Plasma Physics and Thermonuclear Research</u>				
Appointment				
Research Scientist (Faculty)				
121. Roger D. Bengtson	6/1 - 6/30	100	9	\$ 13,200
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Assistant Professor (Physics) (RBC# 2687)				
Appointment				
Research Scientist (Faculty)				
122. William E. Drummond	6/1 - 6/30	50	9	34,000
Source of Funds: Atomic Energy Commission Contract				
Concurrent Employment: Center for Plasma Physics and Thermonuclear Research - Texas Atomic Energy Commission Contract Funds				
	1/1 - 6/30	50	9	34,000
Academic Status: Professor (Physics) (RBC# 2688)				
Reappointment				
Research Scientist (Faculty)				
123. Frederick L. Hinton	5/1 - 6/30	100	9	14,200
Source of Funds: Edison Electric Instruments Grant				
Previous appointments were at the same rate.				
Academic Status: Assistant Professor (Physics) (RBC# 2887)				
Reappointment				
Research Scientist				
124. Alan A. Ware	4/1 - 6/30	100	12	32,574
Source of Funds: Texas Atomic Energy Research Foundation Funds				
	4/1 - 4/30			
Edison Electric Instruments Grant				
	5/1 - 6/30			
Previous appointments were at the same rate. (RBC# 2695, 3285)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for the Study of Human Resources</u>				
Appointment				
Project Associate				
125. Allan G. King	6/1 - 8/31	100	9	\$ 13,700
Source of Funds: U. S. Department of Labor Contract				
Academic Status: Assistant Professor (Economics) (RBC# 3568)				
<u>Computer-Based Education Project</u>				
Appointment				
Research Engineer (Faculty)				
126. Herbert E. Nuttall, Jr.	6/1 - 7/15	100	9	10,000
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Chemical Engineering) (RBC# 3205)				
<u>Division of Research in Transportation</u>				
Appointment				
Research Associate (Faculty)				
127. Hampton K. Snell	6/1 - 7/15	100	9	17,250
Source of Funds: U. S. Department of Transportation Grant				
Academic Status: Professor (Management) (RBC# 3561)				
<u>Division of Research in Transportation and Office of the Dean, Division of General and Comparative Studies</u>				
Appointment				
Research Associate (Faculty)				
128. Richard L. Dodge, Jr.				
Division of Research in Transportation - U. S. Department of Transportation Grant Funds	6/1 - 8/31	75	9	15,000
Office of the Dean, Division of General and Comparative Studies - Academic Development Funds	6/1 - 8/31	25	9	15,000
Academic Status: Assistant Professor (School of Architecture) (RBC# 3567, 3554)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Division of Research in Transportation and Mechanical Engineering</u>				
Appointment				
Research Engineer (Faculty)				
129. Anthony J. Healey				
Division of Research in Transportation - U. S. Department of Transportation Grant Funds	6/1 - 8/31	50	9	\$ 17,300
Mechanical Engineering - U. S. Army Contract Funds	6/1 - 8/31	50	9	17,300
Academic Status: Associate Professor (Mechanical Engineering) (RBC# 3312, 3459)				
<u>Engineering Mechanics Research Laboratory</u>				
Appointment				
Research Scientist (Faculty)				
130. John R. Dickerson	6/1 - 7/31	25	9	13,300
	8/1 - 8/31	100		
Source of Funds: NSF Grant				
Concurrent Employment: Aerospace Engineering and Engineering Mechanics - Engineering Mechanics Division				
Assistant Professor (RBC# 3394, 3392)	6/1 - 7/31	75	Academic Rate \$ 13,300	Stipend \$ 2,216
<u>Electrical Engineering Research Laboratory</u>				
Resignation				
Radio Engineer				
131. Bob M. Fannin	6/1 - 8/31	50	9	16,500
Date of Resignation (RBC# 3011) 5/31/73				
Resignation				
Radio Engineer				
132. John R. Cogdell	6/1 - 8/31	50	9	14,200
Date of Resignation (RBC# 3068) 5/31/73				
<u>Electrical Research Center</u>				
Appointment				
Director of Electronics Research Center				
133. Arwin A. Dougal	6/1 - 6/30	100	9	27,200
Source of Funds: U. S. Air Force Contract				
Academic Status: Professor (Electrical Engineering) (RBC# 3572)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Institute of Latin-American Studies</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
134. Karl M. Schmitt	6/1 - 8/31	50	Academic Rate \$ 20,000	Stipend \$ 3,000
Source of Funds:				
Office of Education Contract				
Academic Status:				
Professor (Government)				
(RBC# 3291)				
Appointment				
Social Science Research				
Associate (Faculty)				
135. Francisco N. Arumi	7/1 - 7/31	50	Academic Rate \$ 13,200	Stipend \$ 732
Source of Funds:				
Office of Education Contract (16%)				
and Division of General and				
Comparative Studies - Dean's				
Academic Development Fund (34%)				
Concurrent Employment:				
School of Architecture				
Assistant Professor	7/16 - 8/31	50	13,200	1,100
(RBC# 2597, 2703)				
<u>Laboratory for Computer -</u>				
<u>Assisted Instruction</u>				
Reappointment and Change of Status				
136. Harold F. O'Neil, Jr.				
Reappointment:				
Research Scientist (Faculty) -				
U. S. Air Force Contract Funds	4/1 - 5/31	25	9	\$ 13,700
Change of Status:				
Co-Director - General Budget				
Funds				
To:	7/16 - 8/31	100	9	13,700
From:	6/1 - 8/31	50	9	13,700
Concurrent Employment:				
Laboratory for Computer Assisted				
Instruction				
Co-Director	9/1 - 5/31	25	9	13,700
Educational Psychology				
Assistant Professor	9/1 - 5/31	50	9	13,700
(RBC# 2717, 2975, 2977, 2973)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Laboratory for Computer - Assisted Instruction (Continued)</u>				
Reappointment				
Research Scientist (Faculty)				
137. Wilson A. Judd	4/1 - 5/31	25	9	\$ 12,200
	6/1 - 8/31	50		
Source of Funds:				
NSF Grant and U. S. Air Force Grants				
Concurrent Employment:				
Laboratory for Computer - Assisted Instruction - General Budget Funds				
Co-Director	9/1 - 5/31	25	9	12,200
	6/1 - 8/31	50		
Educational Psychology				
Assistant Professor	9/1 - 5/31	50	9	12,200
(RBC# 2714, 2715, 3069, 2888, 3441)				
<u>Research and Development Center for Teacher Education</u>				
Appointment				
Co - Director (Faculty)				
138. Oliver H. Bown	6/1 - 8/31	100	9	21,750
Source of Funds:				
Office of Education Contract (80%)				
Current Restricted Funds (20%)				
Academic Status:				
Professor (Educational Psychology)				
(RBC# 3555, 3415)				
Change of Status				
Co - Director (Faculty)				
139. Robert F. Peck				
To: Office of Education				
Contract Funds	12/1 - 5/31	40	9	25,000
	6/1 - 8/31	90		
Current Restricted Funds -				
NEC Support Services	12/1 - 8/31	10	9	25,000
From: Office of Education				
Contract Funds	12/1 - 5/31	50	9	25,000
Concurrent Employment:				
Educational Psychology				
Professor	9/1 - 5/31	50	9	25,000
(RBC# 2758, 3464)				
<u>Extension Teaching and Field Service Bureau</u>				
Change of Status				
Instructor				
140. Daniel A. Moulton, III				
To: Office of Education				
Contract Funds	2/1 - 8/31	25	12	7,700
From: General Budget Funds	2/1 - 3/31	25	12	7,700
(RBC# 2593, 2705)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Extension Teaching and Field Service Bureau (Continued)</u>				
Change of Status				
Project Administrator				
141. Norvell W. Northcutt				
To: Office of Education Contract Funds	2/1 - 8/31	100	12	\$ 21,200
From: General Budget Funds	2/1 - 3/31	100	12	21,200
Academic Status: Assistant Professor (Educational Administration) (RBC# 2704, 2599)				
<u>AUXILIARY ENTERPRISES</u>				
<u>Special Concessions</u>				
Transfer of Funds				
142. Amount of Transfer - \$ 2,500				
To: Tutoring Program				
From: President - Special Projects				
To provide funds for increased tutorial services. (RBC# 2586)				
<u>Student Government Offices</u>				
Resignation				
Student Government President				
143. William D. Benson	9/1 - 5/31	PT		<u>Stipend</u> \$ 2,700
Date of Resignation (RBC# 2618)				
3/31/73				
<u>Student Government Offices</u>				
Appointment				
Student Government Vice-President				
144. Cappy R. McGarr (RBC# 2617)	4/1 - 5/31	PT		<u>Stipend</u> \$ 400
Resignation				
Student Government Vice-President				
145. Kenneth W. McHam	9/1 - 5/31	PT		<u>Stipend</u> \$ 1,350
Date of Resignation (RBC# 2616)				
3/31/73				
Resignation				
Financial Director				
146. William G. Ross	1/1 - 5/31	PT		<u>Stipend</u> \$ 375
Date of Resignation (RBC# 2615)				
3/31/73				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED FUNDS</u>				
<u>Administrative Charges to Trust Funds</u>				
Transfer of Funds				
147. Amount of Transfer - \$ 15,000				
To: U. T. Regents Official Occasions and Meeting Expenses, Including Travel				
From: Administrative Charges to Trust Funds (D-140)				
<u>Botany</u>				
Appointment				
Director (Faculty)				
148. Guy A. Thompson, Jr.	6/1 - 7/31	100	<u>Academic Rate</u> \$ 17,500	<u>Stipend</u> \$ 2,500
Source of Funds: Welch Foundation Grant				
Academic Status: Associate Professor (Botany) (RBC# 2598)				
<u>Chemistry</u>				
Appointment				
Research Scientist (Faculty)				
149. Stanley H. Simonsen	6/1 - 7/15	100	<u>Academic Rate</u> \$ 18,500	<u>Stipend</u> \$ 1,875
Source of Funds: Robert A. Welch Foundation Grant				
Academic Status: Professor (Chemistry) (RBC# 3616)				
<u>Physics</u>				
Appointment				
Research Scientist (Faculty)				
150. Russell L. Collins	6/1 - 7/31	100	<u>Academic Rate</u> \$ 14,700	<u>Stipend</u> \$ 2,500
Source of Funds: Welch Foundation Grant				
Academic Status: Associate Professor (Physics) (RBC# 2754)				
<u>Petroleum Engineering</u>				
Appointment				
Research Engineer (Faculty)				
151. Kenneth E. Gray	6/1 - 8/31	100	9	\$ 23,200
Source of Funds: Various Donors - Rock Mechanics (18%) American Petroleum Institute (82%)				
Academic Status: Professor (Petroleum Engineering) (RBC# 2755, 2756)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED FUNDS (Continued)</u>				
<u>Clayton Foundation Biochemical Institute</u>				
Reappointment				
Research Scientist (Faculty)				
152. Rose Ann L. Shorey	6/1 - 8/31	--	9	(\$ 13,600)
Salary paid direct by Clayton Foundation Biochemical Institute				
Academic Status: Assistant Professor (Home Economics) (RBC# 3156)				

Engineering Foundation

Transfer Between Dissimilar Appropriations

153. Amount of Transfer - \$ 5,000

To: Official Entertainment

From: Salaries

Reallocation of this Foundation's funds to support a Teaching Effectiveness Program and to provide for expenses incurred in connection with the May Advisory Council meeting as well as other expenses.
(RBC# 2584)

1973 SUMMER SESSION BUDGET AMENDMENTS

First Term (6 weeks): June 1, 1973 - July 15, 1973

Second Term (6 weeks): July 16, 1973 - August 31, 1973

9 Weeks Courses: June 1, 1973 - July 31, 1973

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>SCHOOL OF ARCHITECTURE</u>				
Change of Status				
Assistant Professor				
1. Francisco N. Arumi (Non-tenure)				
To:	7/16 - 8/31	50	\$ 13,200	\$ 1,100
From:	7/16 - 8/31	25	13,200	550
Concurrent Employment:				
Institute of Latin American Studies				
Social Science Research Associate (Faculty)				
(RBC# 3073)	7/1 - 7/31	50	13,200	732
<u>COLLEGE OF HUMANITIES</u>				
<u>English</u>				
Resignation				
Assistant Professor				
2. David J. Starr (Non-tenure)				
	7/16 - 8/31	100	11,700	1,950
Remove from Summer Session Budget (RBC# 3021)				
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</u>				
<u>Anthropology</u>				
Appointment				
Lecturer				
3. Carl Jon Clausen (Non-tenure)				
(RBC# 3170)	6/1 - 8/31	---	---	---
<u>Government</u>				
Appointment				
Visiting Professor				
4. Paul C. Bartholomew (Non-tenure)				
(RBC# 3182)	6/1 - 7/15	100	18,000	3,000
Visiting Associate Professor				
5. George P. Atkins (Non-tenure)				
(RBC# 2859)	7/16 - 8/31	100	17,425	2,900
<u>Sociology</u>				
Resignation				
Associate Professor				
6. Joe R. Feagin (Tenure)				
	6/1 - 7/15	100	15,500	2,583
Remove from Summer Session Budget (RBC# 2878)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES</u>				
<u>Geological Sciences</u>				
Appointment				
Lecturer				
7. Joseph H. McGowen (Non-tenure) (RBC# 3366)	6/25 - 7/13	100	\$ 12,000	\$ 1,500
<u>Mathematics</u>				
Appointment and Salary Increase				
Instructor				
8. John M. Camden (Non-tenure)	6/1 - 7/15	100	\$ 9,300	1,550
Previous Appointment:				
Mathematics				
Teaching Assistant			<u>8,000</u>	
Rate Increase - 9 mos. (RBC# 3172)			<u>\$ 1,300</u>	
Change of Status				
Assistant Professor				
9. Robert Speiser (Non-tenure)				
To:	7/16 - 8/31	100	12,200	2,033
From:	6/1 - 7/15	100	12,200	2,033
(RBC# 3517)				
Instructor				
10. Paul M. Schwartz (Non-tenure)				
To:	7/16 - 8/31	100	9,500	1,583
From:	6/1 - 7/15	100	9,500	1,583
(RBC# 3524)				
Resignation				
Associate Professor				
11. Ralph E. Showalter (Tenure)	6/1 - 8/31	50	15,300	2,550
Remove from Summer Session Budget (RBC# 3475)				
<u>Physics</u>				
Change of Status				
Professor				
12. Charles W. Scherr (Tenure)				
To:	6/1 - 7/15	100	17,500	2,916
From:	6/1 - 8/31	50	17,500	2,916
(RBC# 3534)				
Resignation				
Assistant Professor				
13. Roger D. Bengtson (Non-tenure)	6/1 - 8/31	50	13,200	2,200
Remove from Summer Session Budget (RBC# 3536)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF BUSINESS ADMINISTRATION</u>				
<u>Accounting</u>				
Appointment				
Associate Professor				
14. George M. Scott (Tenure) (RBC# 3549)	7/16 - 8/31	100	\$ 15,750	\$ 2,625
Lecturer				
15. Robert W. Smith (Non-tenure) (RBC# 3548)	7/16 - 8/31	100	12,000	2,000
<u>Management</u>				
Resignation				
Associate Professor				
16. Henry M. Steiner (Tenure) Remove from Summer Session Budget (RBC# 3355)	6/1 - 7/15	100	17,750	2,958
<u>COLLEGE OF EDUCATION</u>				
<u>Cultural Foundations of Education</u>				
Appointment and Salary Increase				
Instructor				
17. Wayne G. Bragg (Non-tenure)	6/1 - 7/15	100	\$ 9,000	1,500
Previous Appointment:				
Cultural Foundations of Education				
Teaching Assistant			<u>8,000</u>	
Rate Increase - 9 mos. (RBC# 3354)			<u>\$ 1,000</u>	
<u>Educational Psychology</u>				
Appointment				
Assistant Professor				
18. Harold F. O'Neil, Jr. (Non-tenure) (RBC# 2862)	6/1 - 7/15	100	13,700	2,283
<u>Special Education</u>				
Change of Status				
Assistant Professor				
19. Nasim Dil (Non-tenure)				
To:	7/16 - 8/31	100	12,200	2,033
From:	6/1 - 8/31	67	12,200	2,700
(RBC# 2941)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF ENGINEERING</u>				
<u>Aerospace Engineering and Engineering Mechanics</u>				
Change of Status				
Assistant Professor				
20. Bob E. Schutz (Non-tenure)				
To:	6/1 - 8/31	50	\$ 12,700	\$ 2,116
From:	6/1 - 8/31	100	12,700	4,233
Concurrent Employment:			<u>Full-time Salary</u>	
Aerospace Engineering and Engineering Mechanics			No.	
Research Scientist (Faculty)			<u>Mos.</u>	<u>Rate</u>
(RBC# 3357)			9	12,700
<u>Chemical Engineering</u>				
Change of Status				
Professor				
21. David M. Himmelblau (Tenure)				
To:	7/16 - 8/31	100	19,800	3,000
From:	6/1 - 7/15	100	19,800	3,000
(RBC# 2763)				
Resignation				
Professor				
22. Matthew Van Winkle (Tenure)				
	7/16 - 8/31	100	22,200	3,000
Remove from Summer Session Budget				
(RBC# 2764)				
Appointment				
Assistant Professor				
23. Herbert E. Nuttall, Jr. (Non-tenure)				
	7/16 - 8/31	100	10,000	1,666
(RBC# 2761)				
<u>Electrical Engineering</u>				
Appointment				
Associate Professor				
24. John R. Cogdell (Tenure)				
	6/1 - 8/31	100	14,200	4,733
(RBC# 2765)				
Associate Professor				
25. Bob M. Fannin (Tenure)				
	6/1 - 7/31	100	16,500	3,666
(RBC# 2767, 3511)				
<u>Mechanical Engineering</u>				
Appointment				
Assistant Professor				
26. Philip S. Schmidt (Non-tenure)				
	6/1 - 8/31	50	13,600	2,266
Concurrent Employment:			<u>Full-time Salary</u>	
Mechanical Engineering and Bureau of Engineering Research			No.	
Research Engineer (Faculty)			<u>Mos.</u>	<u>Rate</u>
(RBC# 2774)			9	13,600

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF ENGINEERING</u> (Continued)				
<u>Mechanical Engineering</u>				
Appointment				
Instructor				
27. Anthony L. Hines (Non-tenure) (RBC# 2773)	6/1 - 8/31	100	\$ 11,500	\$ 3,833
Lecturer				
28. Wilbur L. Dublin, Jr. (Non-tenure)	6/1 - 8/31	50	13,000	2,166
Concurrent Employment:				
Bureau of Engineering Research				
Research Engineer (Faculty) (RBC# 2769)	6/1 - 8/31	50	13,000	2,166
Resignation				
Associate Professor				
29. Thomas H. Courtney (Tenure)	6/1 - 8/31	50	16,000	2,666
Remove from Summer Session Budget (RBC# 2771)				
Associate Professor				
30. Anthony J. Healey (Tenure)	6/1 - 8/31	100	17,300	5,766
Remove from Summer Session Budget (RBC# 2772)				
Associate Professor				
31. Paul A. Jensen (Tenure)	6/1 - 8/31	50	15,300	2,550
Remove from Summer Session Budget (RBC# 2770)				
Associate Professor				
32. Kenneth M. Ralls (Tenure)	6/1 - 8/31	50	15,000	2,500
Remove from Summer Session Budget (RBC# 2768)				
<u>COLLEGE OF FINE ARTS</u>				
<u>Drama</u>				
Appointment				
Instructor, Summer 1973, Only				
33. Robert A. Brewer (Non-tenure) (RBC# 3497)	6/1 - 7/15	100	9,000	1,500
<u>SCHOOL OF LAW</u>				
Appointment				
Professor				
34. George R. B. Schatzki (Tenure) (RBC# 3083)	6/1 - 7/15	100	26,000	3,000
Visiting Professor				
35. Herbert Semmel (Non-tenure) (RBC# 2775)	6/1 - 7/15	100	27,200	3,000

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>OFFICE OF THE DEAN OF GRADUATE SCHOOL</u>				
Change of Status				
Associate Dean				
36. Austin M. Gleeson				
To:	6/1 - 8/31	50	\$ 15,800	\$ 2,633
From:	6/1 - 8/31	25	15,800	1,317
Source of Funds: Transfer from Unallocated Summer Session				
Concurrent Employment:			<u>Full-time Salary</u>	
Center for Particle Theory			No.	
Research Scientist (Faculty)			<u>Mos.</u>	<u>Rate</u>
	6/1 - 8/31	50	9	15,800
Academic Status:				
Associate Professor (Physics)				
(RBC# 2907, 2803)				

COLLEGE OF PHARMACY

Change of Status				
Assistant Professor				
37. Ronald D. Garrett (Non-tenure)				
To:	6/1 - 7/15	100	14,600	2,433
From:	6/1 - 8/31	100	14,600	4,866
(RBC# 2762)				

1972-73 BUDGET
SALARY RATE INCREASES OF \$2,000 OR MORE INVOLVING APPOINTMENTS
TO A DIFFERENT POSITION AND NEW AND DIFFERENT DUTIES

Source of Funds: Departmental Salaries unless otherwise specified.

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
1.	Gary G. Griffin Applied Research Laboratories	Laboratory Research Assistant II	Computer Operator I	
	Salary Rate	\$ 4,488	\$ 7,236	6/1/73
	Source of Funds: Government Contract - Payroll Clearing Account (RBC# 3339)			
2.	Richard A. Kieckhefer (Non-tenure) History	Social Science Research Associate I	Instructor (Temporary, Special)	
	Salary Rate-12 mos.	7,236		
	Academic Rate	5,427 (equiv.)	9,000	4/1/73
	(RBC# 2627)			
3.	Claud G. Sparks (Tenure) Graduate School of Library Science	Acting Dean (1/4 T.) (F. T.)	Dean (1/4 T.) (F. T.)	9/1 - 5/31 6/1 - 8/31
	Administrative Rate	29,333	32,000	5/1/73
	Graduate School of Library Science	Professor (3/4 T.)	Professor (3/4 T.)	9/1 - 5/31
	Academic Rate	22,000	24,000	5/1/73
	(RBC# 2664, 2662, 2665)			

The University of Texas at Austin
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
102-27	Equipment for Communication Building	PUF	AF	\$ 2,500,000.00
102-47	Campus Development West		PUF	750,000.00
102-53	Graduate School of Business	PUF	CFB	3,500,000.00
102-52	Education Building	PUF	CFB	2,390,000.00
102-202	Extension of Utilities to Education Building	PUF		(91,000.00)
		URF	UEF	1,070,000.00
102-240	Additions to Chilling Stations 3 and 4		UEF	1,870,000.00
102-261	Additional Power Supply		UEF	1,200,000.00
			IOP	2,700,000.00
102-195	McDonald Observatory - Housing Development	PUF	AF	600,000.00
102-221	Relocate Clark Field	PUF		(90,000.00)
			IOP	2,500,000.00
102-198	Special Events Center	PUF		(150,000.00)
			CFB	19,750,000.00
102-263	Utilities from Trinity to Red River North of 19th St.		UEF	618,000.00
102-264	Art Building Addition		CFB	1,937,650.00
102-265	Fine Arts Library and Administration		IOP	400,000.00
			CFB	3,042,195.00
102-266	Music Building and Recital Hall		CFB	6,231,098.00
102-268	Drama Building Addition		IOP	3,000,000.00
			PUF	800,000.00
102-269	Drama Workshops		PUF	1,600,747.00
102-270	East Campus Site Development		PUF	1,902,797.00
102-201	Fine Arts Expansion	PUF		(230,000.00)
102-244	Faculty Office Building and Center		IOP	116,460.00
102-220	Parking Lot - 19th and Trinity		PUF	27,000.00
102-274	East Campus Parking Lots		PUF	1,200,000.00
102-222	Tennis Center Expansion		PUF	1,527,000.00

Legend:

(PUF) Permanent University Fund Bond Proceeds
 (AF) Available University Fund
 (CFB) Combined Fee Bond Proceeds
 (URF) Utility Revenue Fund
 (UEF) Utility Expansion Fund
 (IOP) Interest on Proceeds

U. T. AUSTIN-ALLOCATION OF BUILDING USE AND GENERAL FEES AND THE ADOPTION OF RESOLUTION FIXING RATES IN CONNECTION WITH BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT AUSTIN BUILDING REVENUE BONDS, SERIES 1969, AND BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT AUSTIN COMBINED FEE REVENUE BONDS, SERIES 1970, SERIES 1971, AND SERIES 1972.-- In accordance with the provisions of Section 55.16, Texas Education Code, as amended by House Bill 83 adopted by the 63rd Legislature, Regular Session, 1973, it is recommended, effective with the Fall Semester 1973, that the student building use fees and the general fee be assessed and collected at a rate of \$6.00 per semester credit hour for each regular fall and spring semester and for each term of each summer session and allocated as hereinafter set out and that the Hospital Fee and the Student Union Building Use Fee be maintained at the current rate of \$4.00, and \$5.00, respectively, per student at each regular fall and spring semester and \$2.00, and \$2.50, respectively, per student at each term of each summer session and that the following resolution be adopted in connection therewith:

RESOLUTION

THE STATE OF TEXAS }
 } }
THE UNIVERSITY OF }
TEXAS SYSTEM } }

WHEREAS, it is hereby found and determined that the Student Building Use Fees hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with Board of Regents of The University of Texas System, The University of Texas at Austin Building Revenue Bonds, Series 1969, and

WHEREAS, it is hereby found and determined that the General Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with the Board of Regents of The University of Texas System, The University of Texas at Austin Combined Fee Revenue Bonds, Series 1970, Series 1971, and Series 1972.

THEREFORE, BE IT RESOLVED BY THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM:

That commencing with the registration for the regular Fall Semester 1973, the following Student Building Use Fee, which, together with other revenues, is pledged to the payment of the aforesaid Board of Regents of The University of Texas System, The University of Texas at Austin Building Revenue Bonds, Series 1969, is hereby fixed, levied, charged, and ordered to be collected from each student enrolled at The University of Texas at Austin for the use and availability of any one, or all, of the Gymnasium Facilities, the Library Facilities, and the Utility Plant, as follows:

\$0.54 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, a General Fee for the general use and availability of the University facilities is hereby fixed and shall be collected from each student regularly enrolled at The University of Texas at Austin as follows:

\$5.46 per semester credit hour for each of the regular fall and spring semesters, and for each term of each summer session.



THE UNIVERSITY OF TEXAS AT DALLAS

OFFICE OF THE PRESIDENT

June 18, 1973

Chancellor Charles A. LeMaistre
The University of Texas System
601 Colorado St.
Austin, Texas 78701

Dear Chancellor LeMaistre:

The following docket for The University of Texas at Dallas is submitted for your approval and submission to the Board of Regents at its meeting on July 27, 1973. The submitted docket contains one hundred thirty-one pages.

Sincerely,

A handwritten signature in cursive script that reads 'Bryce Jordan'.

Bryce Jordan
President

BJ:dm
Attachment

THE UNIVERSITY OF TEXAS AT DALLAS
GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)

BOARD OF REGENTS MEETING - JULY 27, 1973

elf

The following contracts, grants and amendments have been signed by the appropriate official upon the recommendation of the respective technical directors, fiscal officers, and the Assistant Director of the Center for Advanced Studies.

Expenditures from these contracts and grants will be made in accordance with regular University operating procedures and contractual limitations. Personnel appointments and changes will be in accordance with University salary rates and approvals. Travel and purchasing conform to established procedures.

1.
 Agency: Office of Naval Research
 Grant No.: Nonr(G)-00014-73 (UTD E1326-02)
 New Funds: \$6,000
 Date: February 1, 1973 - January 31, 1974
 Description: The Lloyd V. Berkner Memorial Symposium on Irregularities in the Equatorial Ionosphere
 County of Expenditure: Dallas/Collin

2.
 Agency: General Research Support Branch, Division of Research Resources, DHEW
 Grant No.: 5 S05 RR07133-04 (UTD E1667-04)
 New Funds: \$16,789 Direct Costs Only
 Date: June 1, 1973 - May 31, 1974
 Description: Biomedical Sciences Support Grant
 County of Expenditure: Dallas/Collin

3.
 Agency: National Institute of General Medical Sciences, DHEW
 Grant No.: 5 R01 GM19060-02 (UTD E1311-02)
 New Funds: \$17,895 Direct Cost Only
 Date: June 1, 1973 - May 31, 1975
 Description: Sequence-Dependence of Polynucleotide Configuration
 County of Expenditure: Dallas/Collin

4.
 Agency: National Institute of General Medical Sciences, DHEW
 Grant No.: 5 R01 GM15142-05 (UTD E1606-05)
 New Funds: \$33,754 Direct Cost Only
 Date: April 1, 1973 - March 31, 1976
 Description: In Vitro Synthesis of RNA
 County of Expenditure: Dallas/Collin

5.
 Agency: Bureau of Higher Education, DHEW
 Grant No.: 100E5311 (UTD E1309-03)
 New Funds: \$4,072
 Date: July 1, 1973 - June 30, 1974
 Description: College Work-Study Program
 County of Expenditure: Dallas/Collin

6.
 Agency: National Institute of Arthritis, Metabolism & Digestive Diseases, DHEW
 Grant No.: 5 R01 AM15396-03 (UTD E1683-03)
 New Funds: \$17,780 Direct Cost Only
 Date: May 1, 1973 - April 30, 1974
 Description: Molecular Nature of Repairable Damage in DNA
 County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL) (continued)

7.
 Agency: National Science Foundation
 Grant No.: GA-37513, Amendment No. 1 (UTD E1326-01)
 New Funds: \$10,000
 Date: March 15, 1973 - August 31, 1974
 Description: The Lloyd V. Berkner Memorial Symposium on Irregularities in the
 Equatorial Ionosphere
 County of Expenditure: Dallas/Collin
8.
 Agency: National Science Foundation
 Grant No.: GA-27678, Amendment No. 1 (UTD E1465-05)
 New Funds: None
 Date: February 15, 1973 - October 31, 1973
 Description: Mantle Studies Related to the New Global Tectonics: Body Waves
 County of Expenditure: Dallas/Collin
9.
 Agency: NASA/Lyndon B. Johnson Space Center
 Grant No.: NGR 44-004-116, Supplement No. 3 (UTD E1659-04)
 New Funds: None
 Date: February 1, 1973 - January 31, 1974
 Description: Studies Related to the Evolution of the Lunar Soil Materials
 County of Expenditure: Dallas/Collin
10.
 Agency: NASA/Lyndon B. Johnson Space Center
 Contract No.: NAS 9-5964, Modification No. 20S (UTD E1473)
 New Funds: None
 Date: May 14, 1966 - December 31, 1973
 Description: Cold Cathode Gauge for Apollo Lunar Surface Experiment
 County of Expenditure: Dallas/Collin
11.
 Agency: NASA/Headquarters
 Grant No.: NGR 44-004-121, Amendment No. 2 (UTD E1698-01)
 New Funds: None
 Date: November 1, 1971 - September 30, 1973
 Description: Specific Problems in Cosmic Ray Research Soluble Through Use of the
 Pioneer 6-9 Spacecraft
 County of Expenditure: Dallas/Collin
12.
 Agency: NASA/Headquarters
 Grant No.: NGR 44-004-133 (UTD E1330-01)
 New Funds: \$30,000
 Date: March 1, 1973 - February 28, 1974
 Description: A Comparison of Solar Cosmic Ray Anisotropies and Interplanetary
 Magnetic Field Data
 County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL) (continued)

13.

Agency: NASA/Headquarters
Contract No.: NSR 44-004-089, Amendment No. 3 (UTD E1640)
New Funds: None
Date: July 1, 1968 - December 31, 1970
Description: Analysis of Data from the Ion Mass Spectrometer on the Explorer
XXXI Satellite
County of Expenditure: Dallas/Collin

14.

Agency: NASA/Langley Research Center
Contract No.: NAS 1-9699, Modification No. 10 (UTD E1665)
New Funds: \$18,956
Date: April 8, 1970 - December 31, 1973
Description: Science Planning for Viking 1975 Missions (Entry Science)
County of Expenditure: Dallas/Collin

15.

Agency: NASA/Lyndon B. Johnson Space Center
Contract No.: NAS 9-13512 (UTD E1331-01)
New Funds: \$59,995
Date: May 31, 1973 - May 31, 1974
Description: Developing Statistical Techniques for the Analysis of Remote Sensing
Data
County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS AT DALLAS

GIFTS

The following gifts in excess of \$5,000 have been received at The University of Texas at Dallas. I recommend acceptance and that the thanks and appreciation of the Board be sent the donors by the Secretary.

<u>DONOR</u>	<u>PURPOSE AND CONDITIONS</u>	<u>AMOUNT</u>
1. The Clark Foundation 4616 Greenville Ave. Dallas, Texas 75206 ATTN: Col. Walter Kerbel, USAF (Ret.), Exec. Sec.	Summer Research Trainee Program	\$22,000.00
2. Mr. Charles C. Bankhead, Jr. Charles C. Bankhead, Jr. & Assoc., Petroleum Consultants 1601 Fidelity Union Tower Dallas, Texas 75201	Well logs, Journals, Maps, etc. for the Geological Information Library of Dallas	\$10,135.46

ABSENCE FROM USUAL AND REGULAR DUTIES

In accordance with ~~Part Two, Chapter III, Section 13~~ of the Rules and Regulations of the Board of Regents of The University of Texas System, I recommend and the Chancellor's Office has approved the following requests for absence from usual and regular duties:

1. Dr. Carl B. Collins, Jr. for the period May 4, 1973 through June 13, 1973, to participate in research at the Institute of Physics at Bucharest, Romania as required by the terms of NSF Grant GF 443. No travel costs are being paid from state funds.
2. Dr. Wolfgang Rindler for the period June 1, 1973 through August 31, 1973, to travel to Oxford, London, and Vienna, continuing research activities connected with the book "Two-Component Spinors and their Applications in Relativity" with Professor Roger Penrose. His salary during this period will be paid by a grant from the National Science Foundation and he will pay his own travel expenses. No state funds are involved.
3. Dr. Martin Halpern for the period July 5, 1973 through August 10, 1973, to do field work in Rio Grande do Sur State in Brazil collecting samples related to his NSF Grant GV-28757. No travel costs are being paid from state funds.
4. Dr. Claud S. Rupert for the period July 14, 1973 through August 20, 1973, to Rio de Janeiro, Brazil, to attend a symposium "New Trends in Photobiology", deliver a paper, and travel in connection with research interests. No travel costs are being paid from state funds.
5. David E. Hoyt for the period May 14, 1973 through June 15, 1973, to Western Nevada to collect samples related to research supported under the Institute for Geological Sciences Project #28. No state funds are involved.
6. Dr. Brian A. Tinsley for the period May 12, 1973 through June 9, 1973, to set up grille spectrometer and associated electronics at Huancaayo, Peru, in accordance with NSF Grant GA-33262X. No state funds are involved.
7. Jose Guerrero for the period June 15, 1973 through August 15, 1973 to central and southern Mexico to collect samples and do field work connected with research supported by NSF Grant. No state funds are involved.

Misc.

THE BULLETIN OF
THE UNIVERSITY OF TEXAS AT DALLAS

Graduate Catalog Issue

1973-1974

The benefits of education and of useful knowledge, generally diffused through a community, are essential to the preservation of a free government.

SAM HOUSTON

Cultivated mind is the guardian genius of Democracy and, while guided and controlled by virtue, the noblest attribute of man. It is the only dictator that freemen acknowledge, and the only security which freemen desire.

MIRABEAU B. LAMAR

Statement on Equal Educational Opportunity

With respect to the admission and education of students, with respect to the availability of student loans, grants, scholarships, and job opportunities, with respect to the employment and promotion of teaching and non-teaching personnel, and with respect to the student and faculty activities conducted on premises owned or occupied by the University, The University of Texas at Dallas shall not discriminate either in favor of or against any person on account of race, creed, color, sex, or national origin.

THE BULLETIN OF
THE UNIVERSITY OF TEXAS AT DALLAS

Graduate Catalog Issue

June, 1973

Volume, 9, Number 5A

Published in October, December, February, April
and two issues in June.

Send correspondence to The University of Texas at Dallas
P. O. Box 30365, Dallas, Texas 75230

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2201 North Waterview Parkway, Richardson, Texas 75080.

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THE UNIVERSITY OF TEXAS AT DALLAS

1973-74

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BOARD OF REGENTS
THE UNIVERSITY OF TEXAS SYSTEM

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THE UNIVERSITY OF TEXAS AT DALLAS

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Eugene E. Payne, Ph.D.Director, Office of Planning
and Management Systems

Grady C. Starnes, B.B.A., C.P.A.Business Manager and
Acting Director of Student
Financial Aid

INFORMATION DIRECTORY

Admission

Contact the Director of Admissions and Registrar

Fellowship Applications

Contact the appropriate Program Head

Foreign Students/Student Visas

Contact the Director of Admissions and Registrar

Housing

Contact the Director of Student Services

Advice on Course Registration

See the Graduate Adviser in the appropriate Program

Loans

Student Financial Aid: contact the Business Manager

Employment

Student Financial Aid: contact the Business Manager

Medical Service

Contact the Director of Student Services

Research Assistantships

Contact the appropriate Program Head

Transcripts of Records

Contact the Director of Admissions and Registrar

Adding and Dropping Courses

Contact the Director of Admissions and Registrar

Veterans Affairs

Contact the Director of Admissions and Registrar

Location and Address

Location--The 608-acre campus of The University of Texas at Dallas is situated approximately two miles west of North Central Expressway (U.S. Highway 75) and one mile east of Coit Road. The campus fronts on Campbell Road where the entrances to the campus are located. U.T. Dallas is in the City of Richardson immediately north of the City of Dallas.

The Director of Admissions and Registrar's office is located at 2201 North Waterview Parkway.

Mailing Address--Post Office Box 30365, Dallas, Texas 75230

Telephone--(214) 231-1471, Ext. 471

THE UNIVERSITY OF TEXAS AT DALLAS

Calendar of the Long Session of 1973-1974

Fall Semester
(15 Class Weeks)

August 30-31	Thursday-Friday. Registration, orientation and advisement for the Fall Semester.
August 31	Friday. Last day for registration without late registration charge.
September 3	Monday. Labor Day. A holiday.
September 4	Tuesday. Classes begin.
September 7	Friday. Last day for adding courses, registering or making any changes in class schedule, other than withdrawal from the University or from a particular course.
September 19	Wednesday. Twelfth class day and the date on which the official enrollment count is taken.
September 24	Monday. Last day for making application for a graduate degree.
October 1	Monday. Last day for dropping courses with automatic grade of "WP".
October 29	Monday. Courses dropped after this date will receive an automatic grade of "WF".
November 22-24	Thursday-Saturday, inclusive. Thanksgiving holidays.
November 28	Wednesday. Last day for presenting final copies of the Master's Thesis or Doctoral Dissertation, approved by Committee, to the Graduate Dean.
December 13-15	Thursday-Saturday. Reading period.
December 17-20	Monday-Thursday. Fall Semester final examinations.
December 21	Friday. Graduation day. (No public exercises.)

Spring Semester
(15 Class Weeks)

January 10-11	Thursday-Friday. Advisement and registration for the Spring Semester.
January 11	Friday. Last day for registration without late registration charge.
January 14	Monday. Classes begin.
January 17	Thursday. Last day for adding courses, registering or making any changes in class schedule, other than withdrawal from the University or from a particular course.
January 29	Tuesday. Twelfth class day and the date on which the official enrollment count is taken.
February 1	Friday. Last day for making application for a graduate degree.
February 8	Friday. Last day for dropping courses with automatic grade of "WP".

March 8	Friday. Courses dropped after this date will receive an automatic grade of "WF".
April 8-13	Monday-Saturday, inclusive. Spring vacation. (Easter: April 14)
April 19	Friday. Last day for presenting final copies of the Master's Thesis or Doctoral Dissertation, approved by Committee, to the Graduate Dean.
May 6-7	Monday-Tuesday. Reading period.
May 8-10	Wednesday-Friday. Spring semester final examinations.
May 18	Saturday. Commencement. (Public exercises.)

Calendar of the Summer Session, 1974

First Term (6 Weeks) -- June 3-July 12
 Second Term (6 Weeks) -- July 15-August 23
 Double Term (12 Weeks) -- June 3-August 23

June 3	Monday. Registration. Students registering for any course on June 3 will register and pay fees for all other courses to be taken during the entire Summer Session.
June 4	Tuesday. Classes begin.
June 6	Thursday. Last day for adding courses.
June 7	Friday. Fourth class day and the date on which the official enrollment count is taken.
June 13	Thursday. Last day for dropping First Term courses with automatic grade of "WP".
June 17	Monday. Last day for making application for a graduate degree.
June 25	Tuesday. First Term courses dropped after this date will receive an automatic grade of "WF". Last day for dropping Double Term courses with automatic grade of "WP".
July 4	Thursday. Independence Day. A holiday.
July 9-10	Tuesday-Wednesday. Reading period for first term courses.
July 11-12	Thursday-Friday. Final examinations for First Term courses.
July 11-15	Thursday-Monday. Mid-Session vacation for Double Term courses.
July 15	Monday. Registration for Second Term only.
July 16	Tuesday. Classes begin for Second Term courses.
July 18	Thursday. Last day for adding Second Term courses. Double Term courses dropped after this date will receive an automatic grade of "WF".
July 19	Friday. Fourth class day and the date on which the official enrollment count is taken for Second Term courses.

July 25	Thursday. Last day for dropping Second Term courses with automatic grade of "WP".
July 29	Monday. Last day for dropping Second Term courses with automatic grade of "WP".
August 6	Tuesday. Second Term courses dropped after this date will receive an automatic grade of "WF".
August 8	Thursday. Last day for presenting final copies of Master's Thesis or Doctoral Dissertation, approved by Committee, to the Graduate Dean.
August 20-21	Tuesday-Wednesday. Reading period for Second Term and Double Term courses.
August 22-23	Thursday-Friday. Final examinations in Second Term and Double Term courses.
August 24	Saturday. Graduation day. (No public exercises.)

CALENDAR

1973																											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
JAN							APR							JULY							OCT						
1	2	3	4	5	6		1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	
7	8	9	10	11	12	13	8	9	10	11	12	13	14	8	9	10	11	12	13	14	7	8	9	10	11	12	13
14	15	16	17	18	19	20	15	16	17	18	19	20	21	15	16	17	18	19	20	21	14	15	16	17	18	19	20
21	22	23	24	25	26	27	22	23	24	25	26	27	28	22	23	24	25	26	27	28	21	22	23	24	25	26	27
28	29	30	31				29	30						29	30	31					28	29	30	31			
FEB							MAY							AUG							NOV						
			1	2	3		1	2	3	4	5		1	2	3	4					1	2	3				
4	5	6	7	8	9	10	6	7	8	9	10	11	12	5	6	7	8	9	10	11	4	5	6	7	8	9	10
11	12	13	14	15	16	17	13	14	15	16	17	18	19	12	13	14	15	16	17	18	11	12	13	14	15	16	17
18	19	20	21	22	23	24	20	21	22	23	24	25	26	19	20	21	22	23	24	25	18	19	20	21	22	23	24
25	26	27	28				27	28	29	30	31			26	27	28	29	30	31	25	26	27	28	29	30		
MAR							JUNE							SEPT							DEC						
			1	2	3					1	2						1							1			
4	5	6	7	8	9	10	3	4	5	6	7	8	9	2	3	4	5	6	7	8	2	3	4	5	6	7	8
11	12	13	14	15	16	17	10	11	12	13	14	15	16	9	10	11	12	13	14	15	9	10	11	12	13	14	15
18	19	20	21	22	23	24	17	18	19	20	21	22	23	16	17	18	19	20	21	22	16	17	18	19	20	21	22
25	26	27	28	29	30	31	24	25	26	27	28	29	30	23	24	25	26	27	28	29	23	24	25	26	27	28	29
														30							30	31					

1974																											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
JAN							APR							JULY							OCT						
			1	2	3	4	5	1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5			
6	7	8	9	10	11	12	7	8	9	10	11	12	13	7	8	9	10	11	12	13	6	7	8	9	10	11	12
13	14	15	16	17	18	19	14	15	16	17	18	19	20	14	15	16	17	18	19	20	13	14	15	16	17	18	19
20	21	22	23	24	25	26	21	22	23	24	25	26	27	21	22	23	24	25	26	27	20	21	22	23	24	25	26
27	28	29	30	31			28	29	30				28	29	30	31				27	28	29	30	31			
FEB							MAY							AUG							NOV						
				1	2					1	2	3	4				1	2	3					1	2		
3	4	5	6	7	8	9	5	6	7	8	9	10	11	4	5	6	7	8	9	10	3	4	5	6	7	8	9
10	11	12	13	14	15	16	12	13	14	15	16	17	18	11	12	13	14	15	16	17	10	11	12	13	14	15	16
17	18	19	20	21	22	23	19	20	21	22	23	24	25	18	19	20	21	22	23	24	17	18	19	20	21	22	23
24	25	26	27	28			26	27	28	29	30	31		25	26	27	28	29	30	31	24	25	26	27	28	29	30
MAR							JUNE							SEPT							DEC						
				1	2						1						1							1			
3	4	5	6	7	8	9	2	3	4	5	6	7	8	8	9	10	11	12	13	14	8	9	10	11	12	13	14
10	11	12	13	14	15	16	9	10	11	12	13	14	15	15	16	17	18	19	20	21	15	16	17	18	19	20	21
17	18	19	20	21	22	23	16	17	18	19	20	21	22	22	23	24	25	26	27	28	22	23	24	25	26	27	28
24	25	26	27	28	29	30	23	24	25	26	27	28	29	29	30						29	30	31				

INTRODUCTION

THE MEANING OF GRADUATE EDUCATION

From the dawn of mankind the quest for knowledge has been fundamental to the human spirit. This endeavor crystallized in the Middle Ages, when scholars banded together to form universities, to preserve knowledge, to pass their knowledge on to others, and to advance the frontiers of knowledge.

The graduate schools of a modern university contain many of the institution's best faculty and students. These are true scholars, bound together by their love of learning. The quest for knowledge leads along a difficult path. The scholar must exert great effort to attain competence in his field and he must have the mental discipline to explore those aspects of a research problem that may be dull, routine, or difficult. Attempts to circumvent the difficulties lead only to mediocrity; there are no short cuts to becoming a scholar.

HISTORY

The University of Texas at Dallas was created in September, 1969, by Act of the 61st Texas Legislature, which enabled the transfer of the privately founded Southwest Center for Advanced Studies to the State of Texas.

Prior to becoming The University of Texas at Dallas, the Southwest Center for Advanced Studies had operated for approximately eight years as a privately supported research and teaching institution. The main academic thrust was in the fields of Atmospheric and Space Sciences, Geosciences, Molecular Biology, and General Relativity. As a private institution, SCAS engaged in many cooperative graduate-level activities with universities and colleges, both within its immediate geographic area as well as nationally and internationally. Ph.D. dissertation research opportunities were offered to graduate students from other institutions who later received doctorates from their "home" universities.

Approximately 115 sponsored research projects were under way in the various Research Institutes of The University of Texas at Dallas as of January 1, 1973. A significant building program is planned through 1980.

ACADEMIC PLAN FOR 1973-76

In the 1969 Act establishing The University of Texas at Dallas, authority is given to the Board of Regents of The University of Texas System to prescribe courses leading to customary degrees offered at leading American universities and to give degrees at the baccalaureate, master's, doctoral levels. The Act provides for continuation of the graduate programs in existence on September 1, 1969; planned expansion of the scope of graduate offerings with the approval of the Board of Regents and the Coordinating Board; and for enrollment of junior and senior undergraduates in September, 1975.

Pursuant to this legislation, an Academic Plan has been developed for The University of Texas at Dallas. The plan is designed to carry out the wishes of the Legislature and also to afford innovative approaches to the basic task of providing a meaningful educational experience to students.

ACADEMIC PROGRAM STRUCTURE

As planned, The University of Texas at Dallas will be a university with several unique qualities. These will stem from an organization of people, facilities, and curricula which will provide for:

- Disciplinary integrity within an interdisciplinary context.
- The establishment of meaningful relationships between the student's specific curriculum and the entire world of work and ideas.
- A reduction in the scale of the undergraduate program, as it relates to the individual student, so that personalization occurs in a process which has in too many cases undergone severe depersonalization.

TEACHER PREPARATION AND PROFESSIONAL DEVELOPMENT

The commitment of this University to excellence in education applies not only to the learning experience within the institution, but to the competence of those who go from the University to teach others. There are special needs related to teacher preparation and professional development to which The University of Texas at Dallas intends to respond.

The degree of Master of Arts in Teaching (M.A.T.) is subject-matter oriented. Its intent is to develop the master teacher whose competence in single or interdisciplinary areas is enhanced by the ability of the individual to encourage an environment and an attitude within the classroom that are conducive to learning. At present, this degree is offered only in Mathematical Sciences. It is anticipated that it will be offered in other areas such as physical and biological sciences, social sciences and the humanities in the near future.

Other special roles in education for which this university plans exemplary graduate preparation include Educational Management, Learning Resource Consultant, and Special Education (Language Learning Disabilities, Speech Pathology and Audiology).

At the undergraduate level, beginning in 1975, The University of Texas at Dallas proposes to offer innovative and relevant educational experiences which will assure pre-service teachers of competencies appropriate to their professional roles. Such competencies will assure the student of certification to teach in the area of his subject matter concentration as it may be appropriate to the secondary school curriculum.

This description is not intended to be definitive of the interests which the university has in education, but rather exemplary. The planning of programs will continue to be sensitive to the needs of those confronted with both the challenge and the opportunity of teaching others at all educational levels.

THE FACULTIES

At the heart of the academic program structure of The University of Texas at Dallas are the faculties. As used herein, the term faculty denotes the body of teachers and researchers who belong to a particular discipline, for instance, the molecular biology faculty. A faculty organizes itself, designates a chairman, and serves as the voice of its discipline on the campus. It does not constitute a department, since there are to be no departments within the University. The chairman is the convener of the faculty, and the spokesman for it.

PLANNED UNDERGRADUATE PROGRAMS

The undergraduate student at The University of Texas at Dallas will find his place as a member of a particular college. (It is expected that eight undergraduate colleges will be required in 1975.) The college will be the student's intellectual home on the campus. It will provide academic advisement, personal student services such as psychological and vocational counseling, and the base for most co- and extra-curricular activities. It will also provide a required interdisciplinary seminar which is planned as the capstone of all undergraduate degree programs. In short, it will guide the student through his undergraduate career, to his degree.

Through the implementation of the innovative academic arrangement spelled out in the preceding section, The University of Texas at Dallas plans to offer the following undergraduate degree programs at the beginning of the 1975-76 academic year:

Bachelor of Arts:

Anthropology	History
Economics and Finance	Political Science
English	Psychology
French	Russian
Geography	Sociology
German	Spanish

Bachelor of Science:

Biology	Geological Sciences
Business and Public Administration	Mathematical Sciences*
Chemistry	Occupational Therapy
Dietetics and Nutrition	Physics
Economics and Finance	Special Education
Educational Media	Speech Pathology and Audiology

*With emphasis in either mathematics, computer science, or statistics.

Information regarding the undergraduate programs will be made available in Fall, 1973. As a general rule, students preparing themselves for admission to The University of Texas at Dallas at the junior level in Fall, 1975, should adhere to the basic requirements for a bachelor's degree. Students should avoid, whenever possible, excessive concentration in a single discipline.

ADMISSION TO THE UNDERGRADUATE PROGRAMS

Admission

Admission by transfer is the primary means of gaining entrance as an undergraduate to The University of Texas at Dallas. Any student with fifty-four (54) semester hours or eighty-one (81) quarter hours of lower division work may transfer from an institution which is fully approved by the appropriate regular accrediting agency to The University of Texas at Dallas beginning in 1975. Such students must present a cumulative, minimum grade point average of 2.0 on a 4.0 system and have satisfied the necessary prerequisites.

Concurrent Admission

Concurrent Admission is a unique approach to the needs of those students planning to enroll as upper division students at The University of Texas at Dallas. Its intent is to facilitate the smooth transition of students, through counseling and academic planning, to enrollment at the junior level at The University of Texas at Dallas.

A. Any student in the top one-half of his high school graduating class, establishing a score of 800 on the Scholastic Aptitude Test (SAT), or 20 on the American College Test (ACT), is eligible for Concurrent Admission, beginning in 1973 to The University of Texas at Dallas. Students holding Concurrent Admission status will be permitted to enroll for upper division courses at The University of Texas at Dallas beginning in 1975, subject to their presenting fifty-four (54) semester hours or eighty-one (81) quarter hours of lower division work with a cumulative grade point average of 2.0 on a 4.0 system for all lower division work and having satisfied the necessary prerequisites. *See P. 324, Vol. XXIa for correction.*

B. Students who do not meet the requirements outlined in paragraph "A" (above) will be eligible for Concurrent Admission, beginning in 1973, upon presentation of twenty-seven (27) semester hours credit with a cumulative minimum grade point average of 2.5 on a 4.0 system. Students holding Concurrent Admission status will be permitted to enroll for upper division courses at The University of Texas at Dallas beginning in 1975, subject to their presenting fifty-four (54) semester hours or eighty-one (81) quarter hours of lower division work with a cumulative grade point average of 2.0 on a 4.0 system for all lower division work and having satisfied the necessary prerequisites.

Individual Approval

The Undergraduate Committee on Admissions may review the educational background and experience of any individual and grant admission to junior standing at The University of Texas at Dallas beginning in 1975.

Trial Basis

Any student who has completed at least fifty-four (54) semester hours or equivalent quarter hours but no more than seventy-five (75) semester hours or equivalent quarter hours of college level work may be admitted on a trial basis during the summer session at The University of Texas at Dallas beginning in 1976. A student admitted on a trial basis must successfully complete 12 semester hours of course work with a grade point average of 2.0 or above on work attempted during the summer. In the subsequent semester the student will be subject to the same academic requirements as regularly admitted students to remain in good standing.

GRADUATE PROGRAMS

The history of the present Graduate Programs at The University of Texas at Dallas is short but distinguished. As a result of research and study at the University and at its predecessor, the Southwest Center for Advanced Studies, one or more Ph.D. or Master's degrees in physics, mathematics, geosciences, and biology have been awarded at Oklahoma State University, The University of Texas at Austin, The University of Brussels, Southern Methodist University, North Texas State University, Emory University, The University of Brazil, Texas A&M University, The University of Cologne, Tokyo Metropolitan University, the University of London, the Federal University of Rio de Janeiro, and the University of Witwatersrand in South Africa.

The University of Texas at Dallas has the opportunity, quite rare in higher education, of building from the top down; that is, the institution is starting with graduate and post-doctoral education. This permits the building of an especially strong nucleus for each faculty as the graduate offerings develop in new areas.

The organization of the Graduate Programs reflects programmatic function rather than academic departmentalization. The Graduate Programs of the University are the administrative and budgetary units which offer the graduate teaching and degrees. They may be interdisciplinary in nature (for example, environmental sciences), or they may lie primarily within one discipline (for example, physics). Teachers are drawn from one or more faculties for the various Graduate Programs. Heads of Graduate Programs are responsible for the academic, administrative, and fiscal aspects of Graduate Programs. These administrators thus have the primary duty of seeing that their Graduate Programs attract good candidates, provide superior teaching, and produce graduates worthy of the institution.

There has existed since the establishment of the Southwest Center for Advanced Studies, the predecessor of The University of Texas at Dallas, a distinguished and well-recognized program of research. The nature of this research has ranged widely, from the instrumentation of lunar exploration hardware to problems in the biochemical repair of animal cells. Such activity continues to represent a major thrust of The University of Texas at Dallas.

Where research funding is available, a faculty member will spend part of his time as a member of one of the research institutes within The University of Texas at Dallas' Center for Advanced Studies.

Present Graduate Programs

The University of Texas at Dallas is accredited by the Southern Association. All course work and research activity for the Master's and Doctor of Philosophy degrees listed below are presently offered by The University of Texas at Dallas.

Chemistry (M.S.)
 Communication Disorders (M.S., Ph.D.)
 Environmental Sciences (M.S., Ph.D.)
 Geological Sciences (M.S., Ph.D.)
 Management and Administrative Sciences (M.S.)
 Mathematical Sciences (M.S., M.A.T.)
 Molecular Biology (M.S., Ph.D.)
 Physics (M.S., Ph.D.)

For detailed descriptions of these Graduate Programs, see the specific entry under Graduate Programs (beginning on page D-42).

Projected Graduate Programs

In expanding the scope of graduate offerings as provided in the 1969 Act of the Texas Legislature, The University of Texas at Dallas has no intention of duplicating graduate offerings which exist in other institutions simply to produce a standard set of degree curricula. Instead, consistent with constraints imposed by the need for high quality faculty in certain basic disciplines, the University will expand graduate offerings only into those areas where a need can be shown locally, regionally or nationally.

Pursuant to a rational plan of development, and considering the present University of Texas at Dallas programs as well as the needs of the North Central Texas Area, we hope to implement the following graduate degree programs in 1974-1975:

American Studies (M.S., Ph.D.)
 Humanities (M.A., M.A.T., Ph.D.)
 Industrial Biosciences (M.S., Ph.D.)
 International Studies (M.S., Ph.D.)
 Mathematical Sciences (Ph.D.)
 Management and Administrative Sciences (Ph.D.)
 Pharmacy (Pharm.D.)
 Social Sciences (M.A., M.A.T., Ph.D.)

Summary of the Academic Program Structure

The faculties of the University will furnish intellectual and human resources appropriate to the needs of the institution as teachers of undergraduate courses, as members of the college faculties providing academic advisement and the required undergraduate interdisciplinary seminars, as teachers of graduate courses in Graduate Programs, or in all three capacities. Where research funding is available, a faculty member will also spend part of his time as a member of one of the research institutes within the Center for Advanced Studies. This concept is clearly in contrast to the traditional one whereby a faculty member owes his primary allegiance to a particular discipline and department, operating under a department chairman or head.

GENERAL INFORMATION

LIBRARY

The Library of The University of Texas at Dallas is temporarily located on the second floor of the Founders North Building. Its collections, including the Lloyd V. Berkner Collection, were assembled with the primary consideration that, in order best to serve the students and faculty of the University, it should comprise an active research collection.

More than 1,600 current journals and other scientific and general serial publications are available in the Library. The selection of these current publications was made to provide students and faculty with the most up-to-date information in selected fields. Additionally, for many of the current journals there are sets of older volumes covering an extended period of time. A recently acquired collection, which will form the nucleus of general library materials, has been given to the University by the Texas Research Foundation. The total collection numbers 60,000 volumes and is expected to grow to 250,000 volumes by 1975. As new educational programs develop the Library is continually adding material in support of these programs. For example, a core collection has been purchased in order to help to support the University's new program in Management and Administrative Sciences.

The University Library maintains cooperative working arrangements locally with Southern Methodist University Library, Dallas Public Library, and libraries of members of the Inter-University Council of North Texas. Library access through the IUC includes both academic and industrial collections.

The library cooperates statewide in the Texas Information Exchange--an inter-library exchange network among State-supported and private institutions. Library facilities are available on a regional basis through Regional Bibliographic Centers and the Regional Medical Library Program. Nationally the U.T. Dallas Library has access to search-and-exchange facilities of the Library of Congress and to the Smithsonian Scientific Information Exchange.

In addition to the traditional services, the Library provides a variety of developing media services for the campus. Audiovisual equipment is supplied for instructional purposes; rental films are secured, and visual materials are produced. The Media Services staff is available to assist in the use of media materials and equipment in the instructional programs.

LABORATORY AND SPECIAL FACILITIES

A listing of specific laboratory facilities at The University of Texas at Dallas is given in the individual Academic Program descriptions.

Other special facilities include: carpenter shop, glass-blowing shop, instrument shop, machine shop, printing and duplicating shop, drafting facility, engineering support groups. These areas are manned by skilled engineers, technicians, and craftsmen, who provide support to the academic and research activities of the institution. Many specialized services are available throughout the institution and within its Institutes.

UNIVERSITY OF TEXAS (NORTH CENTRAL TEXAS) REGIONAL COMPUTER CENTER

The University of Texas Health Sciences Center at Dallas, and The University of Texas at Arlington have joined with The University of Texas at Dallas in the development of a Regional Computer Center Network. This innovative effort will yield significant advantages to the three institutions. It is the nature of electronic data processing that well-conceived centralization results in reduced processing costs, improved service, and increased computing power.

The Regional center became operational in the Spring of 1973. The computing hardware includes an IBM 370/155 computer with 1 million bytes of core storage and 50 million bytes of disk storage. Interactive and RJE (Remote Job Entry) terminals, located on the three campuses, provide the means of submitting input to the regional facility.

STUDENT AFFAIRS

At present the student population of The University of Texas at Dallas consists of a relatively small number of highly motivated and mature graduate students. Accordingly, the student affairs programs are of a different nature than one would find on the usual undergraduate campus.

The Director of Student Services is in charge of extra-curricular activities and is available to assist students in adjusting to the university community. All students are invited and encouraged to turn to the Director for assistance and counsel in matters dealing with orientation, general information, housing, interpretation of University regulations, student activities, discipline, and other more personal affairs.

Arts and Humanities

An Arts and Humanities series, coordinated by a faculty-student group in cooperation with the Office of Student Services, offers many and varied cultural activities including art shows, lectures on matters of public interest, musical events, and a wide range of film selections.

The Dallas Area

Dallas is a cosmopolitan city with a variety of entertainments. It has a large number of restaurants specializing in international cuisine. There are many cultural activities including the musical events of the Dallas Symphony Orchestra, the Dallas Civic Opera, the Dallas Civic Music, and the Dallas Chamber Music organizations. Each group presents a number of concerts and performances during the year, many featuring guest artists. A variety of dramatic shows are presented by a number of theater groups in Dallas, including several dinner theaters. The Dallas Theater Center, the only theater designed by Frank Lloyd Wright, houses a permanent drama company. Student and student group rates are available for many of the musical and theater productions. Available also in the Dallas area are art galleries, including the Dallas Museum of Fine Arts, various museums, an aquarium, a planetarium, a zoo, and many other places of interest.

Sports and Recreation

The City of Richardson, adjacent to The University of Texas at Dallas campus, through its Parks and Recreation Department, offers a variety of outdoor and indoor recreational activities. Additionally, the Dallas Metropolitan Area offers a wide

range of off-campus activities. Dallas has professional baseball, soccer, football, and ice hockey teams. Sports and recreational facilities are widely available in the city, and include a large number of municipal swimming pools and tennis courts. The average temperature in January is 45°, and in August 85°. The annual rainfall is 34 inches. The area is generally quite dry and skies are sunny. This encourages participation in such outdoor activities as horseback riding, flying, golf, and sailing. Many large lakes surround the city. The Gulf of Mexico is only a few hours away; the ski areas of New Mexico and the border towns of Old Mexico are within a day's drive.

Host Family Program for Foreign Students

The Dallas Committee for Foreign Visitors, sponsored by the Dallas Council on World Affairs, has been instrumental in welcoming foreign students to the area. They are responsible for a "Host Family Program for Foreign Students" in which the host family invites the foreign student into its home and includes the student in family activities, particularly during the traditional holiday celebrations. The host family and the Committee members may be helpful in providing assistance in finding living accommodations for the student and providing general assistance and advice.

Living Arrangements

No student housing facilities are owned or operated by The University of Texas at Dallas. Therefore, each student must make individual arrangements for suitable living quarters off campus. Living accommodations are available within a few minutes of the campus. Specific information may be obtained from the Office of the Director of Student Services.

Transportation

The University of Texas at Dallas student will be expected to provide his own transportation to and from the campus. Currently, no public transportation is available to or from the campus. However, the Dallas Transit System does provide commuter service into the center of Dallas from several places near the Richardson city limits. Bus schedules are available in the Office of Student Services.

Cafeteria

The University of Texas at Dallas operates a cafeteria for students, faculty and staff. Current hours are 8:00 a.m. to 1:30 p.m., weekdays only, with sandwich service in the evening.

Health Services

Because of the present small number of students, The University of Texas at Dallas offers no on-campus health services. Referrals are made to local physicians when the student is in need of health care.

Counseling Services

If problems arise concerning personal adjustment, students are encouraged to take up the matter with their Graduate Adviser or the Director of Student Services. Students have access to counseling services available within the community upon referral. No professional counseling service is available on the campus of The University of Texas at Dallas.

Student Government

Students at The University of Texas at Dallas have adopted a Charter for the Graduate Student Congress and are actively working for the establishment of the first organized student government on campus.

SPECIAL ACTIVITIES

Clark Foundation Summer Program

This program offers highly selected students positions as Research Participants in on-going research programs at The University of Texas at Dallas. The chief objectives are to give each participant a realistic view of research and the opportunity to appraise his interest in science. For further information, contact:

Director
 UTD/Clark Foundation Summer Program
 The University of Texas at Dallas
 Dallas, Texas 75230

Closed Circuit Inter-University Television (TAGER)

TAGER (The Association for Graduate Education and Research) was established as an independent, privately financed association of educational institutions to promote cooperative activities in academic programs. The principal facility of TAGER is a closed-circuit television teaching system which operates among colleges and universities in North Central Texas. The TAGER central switching and distribution system is located adjacent to The University of Texas at Dallas campus.

Currently seven private and two State institutions are interconnected by the TAGER network. Graduate-level credit courses originate on the campuses of the participant institutions for inter-campus exchange. Additionally, courses are made available at many industrial sites, so that students may pursue advanced educational career objectives without leaving their industrial locations.

TAGER provides a unique opportunity for graduate students in North Central Texas. The number of credit courses carried over the TAGER television network now exceeds 100 each semester. Graduate students registered at The University of Texas at Dallas may take advantage of these selected course offerings depending upon their regular academic load. Students must register for TAGER courses at the normal registration period for UT-Dallas and must have the approval of the Graduate Adviser and Registrar. Questions concerning the academic program of TAGER should be directed to Mr. John W. Vanderford of The University of Texas at Dallas.

The TAGER system is also used for a variety of other academically oriented activities that enrich the educational programs of all institutions; presentation of seminars, workshops, conferences, eminent guest lecturers and scholars, and similar activities.

EXPENSES

Tuition

As a state-supported institution of higher education, The University of Texas at Dallas is required to comply with all state laws in the assessment and collection of tuition, fees and deposits. The tuition, fees and deposits listed herein are subject to change by subsequent amendments to existing state laws.

In accord with state law, students are not entitled to enter class or laboratory until their tuition, fees and deposits have been paid. Personal checks for amounts in excess of the total registration cost may not be accepted.

Pursuant to Chapter 54, Texas Education Code, each student who registers is required to pay tuition appropriate to his residence classification, as set forth in the table below, according to the number of semester hours for which he registers.

It is the responsibility of each student to establish, prior to registration, his residency classification. This may be determined through the Office of the Director of Admissions and Registrar. (See Appendix A.)

Non-Residents				
Semester Hours	Residents of Texas	U.S. Citizens	Foreign Students	U. S. Citizens Registered in Spring, 1971
LONG SESSION				
1	\$50.00	\$ 40.00	\$200.00	\$ 50.00
2	50.00	80.00	200.00	50.00
3	50.00	120.00	200.00	51.50
4	50.00	160.00	200.00	68.00
5	50.00	200.00	200.00	84.50
6	50.00	240.00	200.00	101.00
7	50.00	280.00	200.00	117.50
8	50.00	320.00	200.00	134.00
9	50.00	360.00	200.00	150.50
10	50.00	400.00	200.00	167.00
11	50.00	440.00	200.00	183.50
12	50.00	480.00	200.00	200.00
13	52.00	520.00	200.00	200.00
14	56.00	560.00	200.00	200.00
15	60.00	600.00	210.00	200.00
SUMMER SESSION--6 WEEK TERM				
1	25.00	40.00	100.00	50.00
2	25.00	80.00	100.00	50.00
3	25.00	120.00	100.00	51.50
4	25.00	160.00	100.00	68.00
5	25.00	200.00	100.00	84.50
6	25.00	240.00	100.00	101.00
7	28.00	280.00	100.00	117.50
8	32.00	320.00	112.00	134.00
9	36.00	360.00	126.00	150.50

Refund of Tuition

Upon notification of official withdrawal from the Director of Admissions and Registrar, the business office shall make refund of tuition as follows:

- (a) during the first week of class work of a semester, a refund of 70 per cent of the applicable portion of the tuition; (b) during the second week, 60 per cent; (c) during the third week, 40 per cent; (d) during the fourth week, 20 per cent; (e) during the fifth week and thereafter, nothing.

In no case shall the total refund reduce the registration and tuition fee paid to less than the minimum prescribed by law.

An immediate refund cannot be made to a student who withdraws within fifteen days after payment of his fees; but, upon request, a check covering all refunds will be mailed to the address left with the Director of Admissions and Registrar.

A student who enters the Spring semester before receiving his Fall semester grades, and who is required to withdraw because of failure in the work of the Fall semester, will have all of his tuition for the Spring semester refunded.

No refunds will be granted unless application is made within one year after official withdrawal.

Late Registration Fee

Any student registering after the appointed day(s) for registering for that semester will be required to pay a special charge of \$5.00 to defray the costs of the extra services required to effect his late registration.

Student Service Fee

Every student who registers in The University of Texas at Dallas, unless he is registered in absentia (see p. D-36), will pay a compulsory student service fee of \$10.00 for each semester of the Long Session, and \$5.00 for each summer session, or \$10.00 for the entire summer term. Refund of the student services fee is made on the same basis as the refund of tuition for students withdrawing from the University, as outlined above.

Graduation Fee

Every student, at the time of filing for graduation, shall pay a graduation fee in the amount of \$25.00.

General Property Deposit

Every student not registered in absentia must make a general property deposit of \$10.00. This deposit is subject to charges for property loss, damage or breakage, or violation of rules in any University library or laboratory; failure to return keys furnished by the University, or for damage to or loss of any other University property. When the student no longer has a balance in his property deposit account, he, upon notice from the University, will be required to restore the deposit to the original

amount by paying such charges immediately. Students having charges in excess of the deposit must pay the excess immediately. Pending payment, no credit will be allowed on the work of that semester or term, and the student will not be permitted to register for the following semester at The University of Texas at Dallas.

This deposit, less charges, will be returned to the student upon request at the end of his career as a student at The University of Texas at Dallas. A general property deposit that remains without call for refund for a period of four years from the date of last attendance at The University of Texas at Dallas shall be forfeited, and the deposit shall become operative to the permanent use and purpose of the Student Property Deposit Scholarships.

Books

Acquisition of appropriate textbooks and other library materials will be the responsibility of each student.

Laboratory Fee

A fee of \$8.00 shall be assessed for each laboratory course.

Living Expenses

Much of what student spends will depend upon his own desires and budgetary limitations. The single student should anticipate something like \$180.00 per month. This figure would include housing, food, medical insurance, and other necessities. It would not include costs for entertainment or transportation.

Change of Schedule Fee

For every change in schedule initiated at the student's request, including change of section, the student shall pay a fee of \$4.00.

Audit Fee

Auditing of courses by officially admitted students is permitted with the approval of the Graduate Adviser, instructor, and the Director of Admissions and Registrar. Auditing grants the privilege of hearing and observing only and does not grant credit. When approval has been granted, the applicant pays a fee of \$5.00 for each course. Withdrawal from an audit course is permissible, but without refund.

Transcript Fee

A student shall pay a fee of \$1.00 for each official transcript. No partial or incomplete transcript will be issued. See "Transcripts" entry (page D-29) information regarding alteration of records.

Group Health Insurance

A group health insurance plan in cooperation with the University of Texas at Arlington, is available to students and their dependents on an optional basis. Rates for health insurance coverage depend upon the family status of each individual student.

FINANCIAL AID

GENERAL

Several sources of financial assistance to students are available, including part-time research assistantships, student loan funds, and partial tuition fee exemptions. Students should contact the Acting Director of Financial Aid (in the Office of the Business Manager, 2201 North Waterview Parkway) for detailed information and application materials.

Part-Time Employment

A limited number of part-time research assistantships are available.

The University has an approved College Work Study program that is funded through the Department of Health, Education, and Welfare.

Student Loan Funds

Long-term student loan funds are available:

National Direct Student Loan

NDSL funds provide up to \$1,500 per year or a maximum of \$7,500 for graduate students. The loans bear interest at the rate of 3% per annum and repayment of principal may be extended over a 10-year period beginning after the student completes his education. There are several exceptions whereby up to 50% of the loan may be cancelled.

Federally Insured Loans

The Federally Insured Loan Program was established in the Higher Education Act of 1965. Under this program a student may borrow from a bank or other financial institution after his application has been certified by the University. The major objective of this program is to make loans available to students from middle- and upper-income families who may not be able to qualify for one of the other programs requiring financial need for eligibility. A student may borrow as much as \$1,500 per year with interest at the rate of 7% per annum.

Hinson-Hazlewood Loan Program

The Hinson-Hazlewood Loan Program was established by the State of Texas for the benefit of Texas residents. Graduate students may borrow up to \$1,500 per academic year up to a total of \$7,500 with interest at the rate of 7% per annum. This program now qualifies under the Federally Insured Loan Program referred to above.

A limited short-term emergency loan fund is available to students who may need temporary assistance with loans normally to be repaid within the semester. Current contributors to this fund include Richardson Savings and Loan Association, Kiwanis Club of Richardson, and Mrs. Lloyd V. Berkner.

Partial Tuition and Fee Exemption

As a State-supported institution of higher education in Texas, the University is authorized to award partial tuition and fee exemptions to students who qualify. Such exemptions are available to students who are from needy families or residents of Texas who have served in the armed forces of the United States.

ADMISSION TO THE GRADUATE PROGRAMS

Prospective students seeking admission should write to the Director of Admissions. An application form is included at the back of this catalog. The completed application must be returned to the Director of Admissions. Official transcripts of all academic work beyond high school are required. Students are urged to apply by January for enrollment the following June or August. Address inquiries to: Director of Admissions and Registrar, or to a specific Program Head, The University of Texas at Dallas, P. O. Box 30365, Dallas, Texas 75230.

The requirements for admission to Graduate Study are:

1. A Bachelor's Degree from an accredited institution in the United States or equivalent training in a foreign institution.
2. In the student's major field and related fields, a grade average of B or better on upper-division (junior and senior level) and graduate work already taken.
3. A satisfactory score on the Graduate Record Examination Aptitude Test for all applicants -- with the single exception of those applying for the Graduate Program in Management and Administrative Sciences, who must submit scores on the Admission Test for Graduate Study in Business (ATGSB). (See page D-30.)
4. Adequate subject preparation for the proposed graduate major.
5. Acceptance by the Committee on Graduate Studies of the proposed major area.
6. Fluency in English. Foreign students must submit scores on the Test of English as a Foreign Language (TOEFL).

Transcripts

The term "transcript of records" is understood to refer to the recorded results of the student's academic work. This statement will contain all the important facts pertaining to the student's academic level, scholarship and degrees. Official transcripts from each college or university attended are required. Unofficial transcripts, grade reports or copies of transcripts of one university issued by another university will not be accepted. Transcripts are not accepted from students.

Chapter 675, Acts of the 61st Texas Legislature, 1969 Regular Session, provides legal penalties for any alteration of academic records or transcripts with the intent to use such a document fraudulently or permit the fraudulent use of such a document.

"A person who violates this Act or who aids another in violating this Act is guilty of a misdemeanor and upon conviction is punishable by a fine of not more than \$1,000, and/or confinement in the county jail for a period not to exceed one year."

The Graduate Record Examinations Aptitude Test

The Aptitude Test of the Graduate Record Examinations is designed to test preparation and aptitude for graduate study, and a satisfactory score must be submitted by everyone seeking admission to the Graduate Programs of The University of Texas at Dallas. Issued from the Educational Testing Service and taken at the applicant's own expense, it is given six times a year, usually in October, December, January, February, April, and July. Test applications may be obtained from Educational Testing Service (P.O. Box 1503, Berkeley, California 94701 or P.O. Box 995, Princeton, New Jersey 08540). Since applications for the test must be received approximately eighteen days before each testing date, applicants should secure the booklet and application blank at least a month in advance. Specify by both institution and code that your test score be sent to:

Institution	Code
The University of Texas at Dallas	R-6897-3

NOTE: All applicants are urged to register and complete the GRE at their earliest opportunity. Students seeking to qualify for admission in the fall term of an academic year should take the examination no later than January of the preceding year.

Admission Test for Graduate Study in Business

The Admission Test for Graduate Study in Business (ATGSB) is a three-and-a-half hour aptitude test designed to measure certain mental capabilities important in the study of business at the graduate level. A satisfactory score must be submitted by every applicant to the Graduate Program in Management and Administrative Sciences at The University of Texas at Dallas. All correspondence regarding registration, test centers, admission tickets, and score reports should be addressed to: Admission Test for Graduate Study in Business, Educational Testing Service, Box 966, Princeton, New Jersey 08540.

All candidates are advised to take the test as early as possible. Admissions decisions are generally made in the spring; therefore, prospective students are urged to take the examination no later than the February test date in the year prior to their anticipated admission.

Specify by both institution and code that your test score be sent to:

Institution	Code
The University of Texas at Dallas	R-6897

English Requirements

Students are required to be able to speak English well and to write it in a good expository style. Proficiency will be evaluated in the course work and in other contacts with faculty members. Students whose native language is not English are required to submit scores from the Test of English as a Foreign Language (TOEFL). Instruction is written and spoken English is available.

Medical Requirements

Regardless of classification, before a new or re-admitted student may register at the University, he must have satisfied the following health requirements:

1. Completion of the medical history form.
2. Physical examination by a licensed physician within 90 days prior to registration. This physical examination must be completed by a private physician and cannot be obtained through the University.
3. A negative chest X-ray or a negative skin test for tuberculosis, dated not more than 90 days before registration.
4. An immunization against poliomyelitis, consisting of at least 3 doses of oral vaccine, provided one or more doses have been received since the fourth birthday. (Polio vaccine is not required for persons nineteen years of age or older.)
5. A minimum of 3 doses of diphtheria/tetanus, with the last dose within 10 years. (Booster dose only after initial series -- TD adult type.)

Exclusions from compliance are allowable on an individual basis for medical contraindications and religious conflicts. Students falling into these categories must submit affidavits as specified by law:

1. The student must present an affidavit signed by a physician, duly registered and licensed under the Medical Practice Act, in which it is stated that, in the physician's opinion, the immunization required would be injurious to the health and well-being of the student or any member of his family or household; or
2. The student must present an affidavit signed by the applicant, or, if a minor, by his parent or guardian, stating that the immunization conflicts with the tenets and practice of a recognized church or religious denomination of which the applicant is an adherent or member; provided, however, that this exemption does not apply in times of emergency or epidemic declared by the Commissioner of Health of the State of Texas.

Requirements promulgated by the State Board of Health pursuant to statute are subject to change at any time by that body. To be certain that no changes have occurred, a student should contact the Director of Student Services. The necessary medical forms are mailed to all admitted students by the Office of Student Services.

Conditional Admission

A student desiring to work toward an advanced degree in an area in which his undergraduate training is insufficient may be admitted with the understanding that he undertake course work and other study to make up the deficiencies noted by his Graduate Adviser, and that such make-up work will be in addition to the regular degree requirements.

When a student with less than minimum grade-point average, or with an unsatisfactory score on the Required Entrance Examination, is admitted on the recommendation of a Graduate Adviser, then that Graduate Adviser may assign special conditions regarding the number of semester hours to be taken and specific grade-point average to be maintained. If these conditions are not met, the student may be barred from subsequent registration in the relevant Graduate Program.

Enrollment as a Non-Degree Student

A student who does not wish to enter a Graduate Program, or who has been denied admission to it, may seek admission through the Director of Admissions as a non-degree student, provided he has the approval of the instructor and the Graduate Adviser. Students who qualify for regular admission are encouraged to enroll as degree students and pursue an advanced degree. Normally, an individual may not receive credit toward a graduate degree for courses taken as a non-degree student. Exceptions to this regulation require approval of the Program Head and concurrence of the Graduate Dean.

GENERAL ACADEMIC REGULATIONS

GRADUATE PROGRAMS

Student Responsibility

The student is responsible for fulfilling degree requirements and enrolling for courses that fit into his degree program. He is likewise responsible for awareness of the University regulations with regard to the standard of work required for continuance in the Graduate Program. For a complete list of requirements for a particular degree, the student should combine the general requirements given below and the special requirements listed under the specific Program in which he becomes a candidate.

Course Numbering System

All courses are identified by a 3-digit number preceded by the name (or abbreviation) of the Program. Courses numbered 500-599 are graduate courses that will be available to selected advanced undergraduates in 1975; these courses are generally of a broad or introductory nature. Courses numbered 600-899 are, and will be, open only to graduate students; these are generally advanced courses. Courses numbered 900-999 are research courses. All thesis courses are numbered 908 and all dissertation courses 909.

Grades and Grade-Point Average

Grades used are: A, B, C, F, S (satisfactory); U (unsatisfactory); X (incomplete); NC (non-credit); WP (withdrew passing); WF (withdrew failing); and AU (audit).

Grade points are computed on the following basis: A (4 points per semester hour), B (3), C (2), F or WF (0). The grades S, U, X, NC, WP and AU are not counted.

The symbol X is reported when the student has not completed all the assignments in a course before its conclusion. Upon completion of the required work, the symbol X may be converted into a letter grade by the instructor if such conversion is made within one calendar year after the filing of the symbol X. If not so changed within this time, the symbol X will change to F.

Theses and dissertations receive letter grades only. Students taking Thesis or Dissertation courses, or Research related to thesis or dissertation, may, at the option of the instructor, be given a grade of X, which grade will not be changed until the student has completed his thesis or dissertation, at which time grades will be submitted for all of these courses. The limitation of one year on the period during which an X grade can be changed to a letter grade does not apply to thesis and dissertation.

Any course except thesis or dissertation may be graded either by letter grading (A, B, C, F) or by pass-fail grading (S-U). Students taking the same course at the same time may be graded by either system, but an irreversible decision in this respect must be made for each student by the close of registration. In any course in which letter grades are given to one or more students, any student wishing to take the course on a pass-fail basis must obtain the permission of the Instructor and the Graduate Adviser.

The degree candidate is required to present an overall average of at least 3.0 in all work taken in graduate status at The University of Texas at Dallas.

No more than twenty per cent of the hours for any master's degree may be taken on a Pass-Fail (S-U) basis. Since there is no specific number of semester hours designated for the doctoral degree, the number of semester hours taken on a Pass-Fail (S-U) basis is not limited by the twenty per cent maximum designated for the master's degree.

Course Load

The minimum course load for a graduate student to be considered full time during the long session is nine (9) semester hours. The normal course load for a graduate student during the long session is twelve (12) semester hours; the maximum is fifteen (15) semester hours. The minimum course load for a graduate student to be considered full time during the Summer session is six (6) semester hours. The normal course load for a graduate student during the Summer session is eight (8) semester hours; the maximum is ten (10) semester hours [except in the M.A.T. programs, where the maximum is twelve (12) semester hours]. Registration in excess of these maximums must have the recommendation of the Graduate Adviser and approval of the Graduate Dean and will be permitted only under exceptional circumstances. A student who is employed should consult with his Graduate Adviser about combined course and work load.

Continuation in the Graduate Programs

Registration in the Graduate Programs beyond the first semester (or Summer session) is dependent upon two main factors:

1. Satisfactory progress in meeting any admission conditions that were imposed; and
2. Maintenance of a 3.0 cumulative grade-point average in graduate courses at The University of Texas at Dallas.

If, at the end of a semester, a student's cumulative grade-point average is below 3.0 he will be informed by a letter from the Director of Student Records that he is on academic probation. A student who is placed on academic probation for two consecutive semesters is subject to dismissal.

Registration Days

In the University calendar, registration days for each semester are included. It is urged that students plan their work with care, consulting especially their Graduate Adviser and those of the teaching staff under whom their work will be taken and bearing in mind the requirements for the degree they seek.

Registration for Courses

The only way to become a member of a class is to register for it through the proper registration procedure. The instructor receives the student's name by official notice from the Registrar and in no other way. A student may not receive credit for a course for which he is not registered.

Continuous Registration

Degree candidates are expected to maintain continuous registration until all degree requirements are satisfied. Students who have completed course registration (including the thesis) must maintain continuous registration. By failing to register for one semester hour or more a student breaks his registration and must be re-admitted. A "re-admitted student" is required to satisfy the curriculum requirements existing at the time of the re-admission. Students must be registered during the Summer if they are taking courses, or taking required examinations, or receiving guidance toward thesis or dissertations, or are expecting to graduate at the end of the Summer Session.

Medical Requirements

No student will be permitted to complete registration who has not complied with University medical requirements as outlined under the section on Admissions.

Veteran's Affairs

The VA Clerk, in the Office of the Director of Admissions and Registrar, is responsible for Veteran's benefits. All questions regarding Veteran's benefits should be so addressed.

Note: Veterans are responsible for notifying the VA Clerk of their desire to enroll for benefits.

Student Visas

The Visa Clerk, in the Office of the Director of Admissions and Registrar, is responsible for student visas at The University of Texas at Dallas. All questions regarding student visas should be so addressed.

Paying Fees as a Part of Registration

A student is not registered, is not in the University, and is not entitled to University privileges until he has paid all fees and tuition.

Late Registration

Students are urged to register on the appointed days. No student may register for credit later than the last registration day (see University calendar), except under unusual circumstances and then only with the approval of the Registrar and the Head of the Program concerned.

Adding and Dropping Courses, and Withdrawal From the University

The fourth class day is the last day for adding courses, registering or making any changes in class schedule, other than withdrawal from the University or from a particular course.

Any student wishing to change his class schedule, or course enrollment, or to initiate withdrawal from the University or from a course, should follow this procedure:

1. Secure the appropriate form from the office of the Director of Admissions and Registrar.
2. Consult with and secure approval of the Graduate Adviser for his Program.
3. If a student registers for a course and drops without the official approval of the Registrar, F will be recorded as the grade. A course is not considered officially dropped until the student returns a Drop Card signed by the instructor and the Graduate Adviser to the Office of the Registrar, indicating a grade of WP or WF.
4. A student who finds it necessary to withdraw from the University during a semester must arrange for his official withdrawal through the Graduate Adviser and Registrar. Any other procedure will lead to failure in all courses for which the student is registered.
5. If a student withdraws from The University of Texas at Dallas or transfers to another school, he may re-enter the University only on the basis of an application for re-admission accompanied by a transfer of credit from all schools attended after leaving The University of Texas at Dallas. This regulation does not apply to students absent during the Summer session.

Residence Requirements

All students must take at least 18 semester hours at The University of Texas at Dallas to qualify for a University of Texas at Dallas degree. A student must be registered in the semester in which he graduates from The University of Texas at Dallas.

In Absentia Registration

In Absentia Registration (i.e., registration for no course work) constitutes an arrangement for the candidate who has finished the last requirements, including submission of thesis or dissertation, for his degree too late for the semester deadline but before the first registration day of the following semester. Such a candidate may, for a nominal fee, register in the next following semester or Summer session for the sole purpose of receiving his degree in that semester or Summer session.

Correspondence Courses

Correspondence courses are not accepted for graduate credit.

Transfer of Credit

Ordinarily all work for the Master's Degree must be done at The University of Texas at Dallas. At the graduate level, all general academic institutions in The University of Texas System may, by a procedure established by the institution head, accept credit of equivalent course level from other institutions in The University of Texas System. Credit for graduate courses taken outside The University of Texas System can be transferred only if approved by the Graduate Adviser and the committee on Graduate Studies, and is normally limited to a total of six semester hours; transfer of more than six hours' credit requires approval of the Graduate Dean. In cases where such transfer is approved, the student must still meet the residence requirement of two full semesters.

Concurrent Registration in The University of Texas System Component Institutions

A graduate student enrolled at The University of Texas at Dallas may apply for admission to a course in another University of Texas System component institution, subject to making the proper arrangements with the cooperating institutions. Similarly, a graduate student from any University of Texas System component institution other than The University of Texas at Dallas may apply for admission to a course at The University of Texas at Dallas subject to making proper arrangements with the cooperating institutions. Interested individuals should contact the Registrar at each institution for further information.

Time Limits

Master's Degree: Normally, a full-time student will complete the requirements for a Master's Degree in two years. All requirements for a Master's Degree must be completed within one six-year period. Work over six years old is lost and can be reinstated only by special permission of the Graduate Dean, upon recommendation of the Program's Committee on Graduate Studies.

Doctoral Degree: No official time limit has been imposed on acquiring the Doctoral Degree; however, all doctoral work is subject to review by the Graduate Dean.

Graduation Under a Particular Catalog

General and specific requirement for degrees in Graduate Programs may be altered in successive catalogs. The student is bound only by the requirements of a single catalog. This will normally be the catalog in force at the time of his admission, within a six-year limit, unless he elects to be bound by a subsequent catalog. This regulation applies to general academic degree requirements, but not to operating regulations and procedures. These change frequently, and the student is bound by regulations in force in the current semester.

PROCEDURES AND REQUIREMENTS FOR
GRADUATE DEGREE CANDIDATES

Committee on Graduate Studies

Each Program has a Committee on Graduate Studies which oversees the early academic careers of all graduate students in the Program. It is represented on the Admissions Committee by its chairman.

Graduate Adviser

The chairman of the Committee on Graduate Studies of a particular Program, who is a faculty member, serves as Graduate Adviser for all graduate students until the time of appointment of a Supervising Professor.

Supervising Professor

At some time after matriculation (typically upon completion of Core Courses and/or Preliminary Examination) a Supervising Professor will be appointed for each student, based upon mutual agreement between student and faculty, and approval of the Graduate Dean.

Supervising Committee

After a Supervising Professor has been selected, the Graduate Dean, upon the recommendation of the Program Faculty, will appoint a Supervising Committee normally consisting of three members drawn chiefly from the candidate's major area (for Ph.D. candidates, there shall be four members, and there may be one additional member from outside The University of Texas at Dallas), including the Supervising Professor as chairman, which will oversee the research and thesis (or dissertation) work of the student and will help him plan his Elective Course curriculum.

Master's Degree

The following procedure outlines, in approximate chronological order, the steps to be followed by students seeking a Master's degree:

1. Registration (see University Calendar).
2. Taking of any examination required by individual Programs at the time of registration.
3. Demonstration of competence in the subject material of the Program Core Curriculum by completing those courses with acceptable grades or by passing examinations covering the material of those courses.
4. Selection of a Supervising Professor (see above).
5. Completion with acceptable grades of graduate-level course work (including Core Courses) totaling a minimum of 30 semester hours.
6. Filing, in the Office of the Graduate Dean, during the first fifteen calendar days of the final semester or first six days of the final summer term (a) a Diploma Name Card, and (b) an Application for Graduation.
7. Submission of a thesis to the student's Supervising Committee not later than six weeks before the first day of final examinations. This requirement may be replaced in certain Programs by additional course work.

8. Submission to the Graduate Dean's Office, not later than two weeks before the end of the semester or summer session in which the degree is to be awarded, three unbound copies of the thesis, along with certification by the Supervising Committee that the student has completed all required work. Additional copies may be required by supervising faculty. Questions regarding copyright should be cleared with the Graduate Dean and the University Attorney. All necessary forms may be obtained in the Office of the Graduate Dean.
9. Satisfaction of any special requirements of individual Academic Programs, most of which are outlined in the Program descriptions.

Master's Thesis

The candidate for the Master's degree writes his thesis under the direction of a Supervising Professor. The thesis is subject to approval by the Supervising Committee (see above) and ultimately by the Graduate Dean.

Doctor of Philosophy

The following procedure outlines, in approximate chronological order, the steps to be followed by students seeking the Doctor of Philosophy degree:

1. Registration (see University Calendar).
2. Taking of any examination required by individual Programs at the time of registration.
3. Demonstration of mastery of the subject material of the Program Core Curriculum by completing those courses with superior grades or by passing with high grades examinations covering the material of those courses.
4. Demonstration of general facility in English and professional facility in one relevant foreign language.
5. Passing of any Preliminary Examination required by the individual Program.
6. Selection of a Supervising Professor (see above).
7. Satisfactory performance in an oral Qualifying Examination conducted by members of the Graduate Faculty of The University of Texas at Dallas. A written examination may also be required by the Supervising Committee.
8. Filing, in the Office of the Graduate Dean, during the first fifteen calendar days of the final semester or first six days of the final summer session (a) a Diploma Name Card and, (b) an Application for Graduation.
9. Submission of a dissertation to the student's Supervising Committee not later than eight (8) weeks before the first day of final examinations.
10. Request for the dissertation defense, a public presentation, scheduled formally through the Office of the Graduate Dean at least two weeks prior to this examination. This request must be accompanied by ten copies of the dissertation abstract and one copy of the candidate's vita. Normally the final oral examination is taken during regular class days in the long session; but in cases where unusual hardship would be involved by insistence on this rule, the Dean may approve the candidate's petition, if it is supported by the Supervising Committee, to have the examination scheduled on a regular class day of the summer session, provided all members of the committee can be present.

11. Submission of the Report of Dissertation Defense form signed by the Supervising Committee to the Office of the Graduate Dean immediately following completion of the defense. This form certifies that the student has completed the work assigned by the committee; passed all examinations required by the program, including the defense; completed a dissertation which gives evidence of ability to do independent investigation in the major field, and itself constitutes a contribution to knowledge; and submitted for publication in American Dissertation Abstracts an abstract which meets the approval of the committee.
12. Submission of the following items to the Office of the Graduate Dean, not later than two weeks before the end of the semester or summer session in which the degree is to be awarded: (a) three unbound copies of the dissertation, signed by the committee; (b) payment of fee for microfilm reproduction to The University of Texas at Dallas; (c) questions regarding copyright should be cleared with the Graduate Dean and the University Attorney; (d) survey of earned doctorate; (e) microfilm agreement. All necessary forms may be obtained at the Office of the Graduate Dean.
13. Satisfaction of any special requirements of individual Academic Programs, most of which are outlined in the Program description.

Foreign Language Requirement

1. All doctoral programs in the Graduate Programs have a minimum requirement of proficiency in one relevant foreign language. Specific requirements beyond this minimum are stated under each Program.
2. The minimum requirements in foreign languages can be satisfied by an examination approved by the Dean.
3. The minimum requirement may be waived by the Dean upon special petition of the appropriate graduate studies committee on behalf of the candidate.

Doctoral Dissertation

The dissertation is required of every candidate and must be, as a result of independent investigation in the candidate's major area, an original contribution to scholarship. It must be accepted by the candidate's Supervising Committee, although at the request of this Committee the Dean may appoint a subcommittee to pass on the dissertation.

Not less than six weeks before the first day of final examinations in the semester in which the student expects to receive his degree, the Supervising Professor will receive a complete copy of the dissertation (unbound) from the candidate. The Supervising Professor calls for any last changes he still deems necessary, but arranges it so that the other members of the Supervising Committee have at least four (4) weeks to read the unbound copy. After the whole committee has familiarized itself with the dissertation, the members sign a notice of acceptance by which they state their willingness to examine the candidate on his dissertation.

Request for Dissertation Defense

Request to hold this examination must be formally scheduled through the Dean's office two weeks in advance. This request signifies the acceptance of the doctoral dissertation for the purpose of scheduling the oral defense on the dissertation and on such other parts of the student's program as the committee may determine.

Public Defense of Dissertation

Until the dissertation defense has been successfully passed, the dissertation is not actually regarded as approved. The examination will cover the dissertation and the general field of the dissertation, and such other parts of the student's program as the committee may determine. If the examiners are satisfied that the candidate has (1) completed the work assigned by the committee; (2) passed all examinations required by the department, including the defense; (3) completed a dissertation which gives evidence of ability to do independent investigation in the major field, and itself constitutes a contribution to knowledge; (4) submitted for publication in American Dissertation Abstracts an abstract which meets the approval of the committee, they then sign the approval sheets for the doctoral dissertation and an official recommendation of the candidate to the Dean.

Submission and Publication of Dissertation

The successful candidate is required to pay the cost of microfilm reproduction of his complete dissertation. A signed copy (unbound) of his doctoral dissertation is sent from the Office of the Graduate Dean to University Microfilms, Ann Arbor, Michigan, for reproduction.

With the dissertation the student must also submit to the Dean two copies of an abstract, not to exceed two pages in length (double-spaced), which has been approved in final form by the Supervising Committee. This will be published in American Dissertation Abstracts.

Publication by microfilm does not preclude subsequent publication of the dissertation, in whole or in part, as a monograph or in a journal; in fact, such subsequent publication is expected. Copyright, at the author's expense, may be arranged if desired, by completing a special form to be secured in the Dean's Office. In order to protect patent or other rights, the Dean may be requested to delay publication by microfilm for a period of one year. This request must be supported by a written recommendation of the Supervising Professor.

GRADUATE PROGRAMS
GRADUATE PROGRAM IN CHEMISTRY

(M.S.)

PROFESSOR: D. Rapp

ASSOCIATE PROFESSORS: R. A. Caldwell (Head), H. Werbin

ASSISTANT PROFESSORS: L. A. Melton, C. A. Parr, A. D. Sherry

OBJECTIVES

The Master of Science degree is designed to prepare students for: (1) positions in industry and research or analytical laboratories; (2) further training in related scientific fields; or (3) further training in chemistry. The successful degree candidate will have demonstrated broad knowledge via his coursework in chemistry, and initiative and research proficiency via the development, presentation, and defense of a thesis.

PROGRAMS

Within the Chemistry Program opportunities exist for coursework in Physical/Theoretical, Organic, Inorganic, Bio-Organic, and Analytical Chemistry. The opportunity to take a minor in several of the other U.T. Dallas programs allows the student to prepare himself, if he chooses, for ultimate interdisciplinary work.

The following research is in progress in Chemistry at U.T. Dallas.

R. A. Caldwell - Mechanisms of organic photochemical reactions. Photocycloadditions and fragmentations. Applications to synthesis. Instrumental techniques.

L. A. Melton - Experimental studies of electronic, vibrational and rotational energy transfer as studied by optical pumping with a tunable dye laser.

C. A. Parr - Theoretical reaction dynamics. Atomic and molecular interaction potentials, extension of transition state rate theories, classical trajectory studies. Computer animation studies.

D. Rapp - Applications of quantum mechanical scattering theory to calculations of probabilities and rates of excitation and reaction in molecular collisions. Vibrational excitation of diatomics, charge transfer, multistate close coupling calculations.

A. D. Sherry - Experimental studies in lanthanide ion solution chemistry and the use of lanthanides as spectrochemical probes of protein structure. NMR, ESR fluorescence spectroscopy, and pulsed NMR techniques (measurement of water proton relaxation rates) are currently used to study metal ion binding sites in metalloproteins and metalloenzymes.

H. Werbin - Characterization and mechanistic studies of DNA-photolyase, an enzyme which repairs photochemical damage to DNA. Photochemistry of electron transport quinones.

FACILITIES

The University of Texas at Dallas has or is in the process of acquiring all equipment and facilities necessary for routine use by its faculty and students in teaching and research. Larger items include a laser spectroscopy facility, a dark

Chemistry Program (continued)

laboratory, a 60 MHz spectrometer, assorted spectrophotometers utilizing fluorescence, phosphorescence and absorption, and gas chromatography. A mass spectrometer and a minicomputer are projected for purchase in 1973. Interim arrangements for obtaining mass spectra have been made. Facilities external to Chemistry, but readily available to its use, include the Library, Computer Center, and various other University-wide facilities.

SPECIFIC DEGREE REQUIREMENTS

Undergraduate preparation equivalent to the degree of Bachelor of Science in Chemistry is required. The student must demonstrate his preparation by passing preliminary examinations in physical and organic chemistry, and in addition his choice of one of the following: Biochemistry, Inorganic, or Analytical Chemistry. These examinations will be given to the student upon matriculation, and there will be opportunity for remedial work if indicated by his performance. The intent of these examinations is to assist the student in strengthening his preparation for subsequent work.

MASTER OF SCIENCES (CHEMISTRY)

All students must: complete a required Core consisting of Chemistry 511 and Chemistry 531; complete nineteen hours of further graduate coursework, of which at least seven must be in Chemistry; complete a total of twelve semester hours of thesis research, and present a written thesis to the Chemistry Faculty.

The student will be guided in his work by a Supervising Committee, which shall have the added responsibility of setting for him a comprehensive examination at the end of his course work. The student will also make an oral presentation and defense of his thesis to this Committee.

For general degree requirements, see "Procedures and Requirements for Graduate Degree Candidates," page D-38.

DOCTOR OF PHILOSOPHY (CHEMICAL PHYSICS)

The Chemical Physics Program is a course of study leading to the Ph.D. in Physics, with a selection of courses chosen mainly from Physics and Chemistry Program offerings, and a dissertation under a faculty member in either the Chemistry or Physics Programs. A wide range of flexible options are available to physical chemists in this program. The specific degree requirements include, in addition to the general institutional requirements, completion of a Physics core (Phys. 500, 501, 513 and 521), a set of elective courses to be arranged by the student and his advisors (typically to include courses such as Chem. 512, 514, 532, 622, and Phys. 502, 600, 651, 652, 653 and 654), and all other general requirements for a Ph.D. in Physics.

Admission to the Chemical Physics Program can be obtained either directly upon entrance to U.T. Dallas, or after acquiring a M.S. in Chemistry.

Chemistry Program (continued)

Chemistry Courses

<u>Course</u>	<u>Description</u>
500	Organic Chemistry (3 semester hours) Werbin Chemical bonding, stereochemistry, physical properties, reactions, and mechanism. Characterization by spectroscopic techniques. Primarily for Biology graduate students. (3-0)
509	Special Topics/TAGER (3 semester hours) (3-0) Staff
511	Introduction to Chemical Physics (4 semester hours) Rapp Core Course. Survey of fundamental ideas of classical, quantum, and statistical mechanics, with examples drawn from atomic structure, chemical bonding, spectra and dynamics. Relation of bulk properties to microscopic interactions. (4-0)
512	Chemical Dynamics (3 semester hours) Parr Contemporary experimental methods for reaction rate data. Theory of uni-, bi-, and termolecular reactions. Phase space and collision theories of reaction. Mechanisms of reactive collision. Prerequisites: Chemistry 511 and 514 or equivalent. (3-0)
513	Statistical Mechanics (Same as Physics 513) (3 semester hours) Rapp Classical and quantum statistical mechanics, localized and non-localized ensembles. Thermodynamic properties in terms of partition functions for atoms and molecules. Equations of state of non-ideal gases and liquids. Fermi-Dirac and Bose-Einstein statistics with emphasis on extreme degenerate regions. Introduction to the Darwin-Fowler method. Prerequisite: Chemistry 511. (3-0)
514	Thermostatistics and Thermodynamics (3 semester hours) Parr Classical thermostatistics with discussion of statistical mechanical interpretation. Chemical and base equilibria. Ideal and non-ideal fluids. Kinetic theory, transport properties, and an introduction to chemical dynamics. Prerequisite: undergraduate physical chemistry. (3-0)
531	Advanced Organic Chemistry (4 semester hours) Caldwell Core course. Modern concepts of bonding and structure in covalent compounds. Static and dynamic stereochemistry and methods for study. A survey of the relationships between structure and reactivity. (4-0)
532	Physical Organic Chemistry (3 semester hours) Caldwell Reaction mechanisms. Techniques for determining reaction mechanisms. Reactive intermediates. Applications to synthesis. Prerequisite: Chemistry 531. (3-0)
533	Synthetic Organic Chemistry (3 semester hours) A survey of modern synthetic methods in organic chemistry. Prerequisite: Chemistry 531. (3-0)

Chemistry Program (continued)

<u>Course</u>	<u>Description</u>
541	Advanced Inorganic Chemistry (3 semester hours) Sherry Atomic structure; Ionic bonding and crystal structures; Valence Bond Theory, Molecular Orbital Theory, hybridization, and delocalization; introduction to structure and bonding of transition metal complexes, crystal field theory, ligand field theory and spectra. (3-0)
542	Advanced Inorganic Chemistry (3 semester hours) Sherry Periodicity; electrode potentials; chemistry in aqueous and non-aqueous solutions; organometallic chemistry; lanthanide chemistry; bio-inorganic chemistry; additional topics at discretion of instructor. (3-0)
551	Instrumental Analysis (3 semester hours) Melton A survey of electronic and instrumental techniques used in modern chemistry. Lecture only; laboratory skills may be gained by registering in an appropriate Research Course. (3-0)
552	Advanced Analytical Chemistry (3 semester hours) Applications of instrumental techniques to structure determination of organic and inorganic compounds. Lecture only; laboratory skills may be gained by registering in an appropriate research course. Prerequisite: Chemistry 551 or consent of instructor. (3-0)
581	Chemistry, Technology, and Society (3 semester hours) The principles of chemical bonding and reactivity are applied to the system earth, our resources, and our technology for materials such as paper, plastic and concrete. The regularities of the periodic table will be emphasized. (3-0)
583	Organic Chemistry (3 semester hours) Survey of organic chemistry including types of chemical bonding, functional groups, synthesis and reactions. Aliphatic, aromatic, and heterocyclic compounds are discussed. Applications, such as pharmaceuticals and dyestuffs, are presented. (3-0)
585	Physical Chemistry (3 semester hours) Thermodynamics, solutions and phase equilibria, chemical equilibrium, kinetic theory, chemical kinetics, quantum mechanics, molecular structure and bonding. (3-0)
587	Independent Study in Chemistry (3 semester hours) In conjunction with a member of the Chemistry Faculty, the student will develop a paper or project which emphasizes the ways in which chemical knowledge is confirmed and extended. (3-0)
619	Special Topics in Theoretical Chemistry (3 semester hours) Subject matter will vary and the course may be repeated for credit. Examples of topics are: Inelastic scattering in ion-atom collisions, theoretical calculation of molecular potential curves, semiclassical methods in inelastic scattering theory. Prerequisite: Chemistry 511; 513, 622 strongly recommended. (3-0)

Chemistry Program (continued)

<u>Course</u>	<u>Description</u>
621	Atomic and Molecular Spectroscopy (Same as Physics 652) (3 semester hours) Atomic structure; spin-orbit interaction, auto-ionization, selection rules, and effect of external fields; diatomic and polyatomic molecules; symmetry and applications of group theory; molecular vibrations and rotations; electronic band spectra; selection rules and intensities. Prerequisite: Chemistry 511. (3-0)
622	Quantum Chemistry (3 semester hours) Detailed treatment of wave mechanics applied to particle-in-a-box, harmonic oscillator, and H-atom potentials. Perturbation and variation theory. Approximation methods for atomic and molecular structure. Time-dependent phenomena and transition probabilities. Prerequisite: Chemistry 511. (3-0)
623	Molecular Spectroscopy (3 semester hours) Melton Electronic structure of atoms and molecules including spin-orbit interactions, selection rules, and effects of external fields; symmetry and applications of group theory; basic theory of magnetic resonance. Prerequisite: Chemistry 622 or consent of instructor. (3-0)
629	Special Topics in Physical Chemistry (3 semester hours) Subject matter will vary and the course may be repeated for credit. Examples of topics are: Molecular beam experiments, scattering theory, computer simulation, and molecular quantum mechanics. Prerequisites: 511, 513, 622, or consent of instructor. (3-0)
632	Natural Products (3 semester hours) Chemistry and synthesis of naturally occurring and biologically active molecules. Prerequisite: Chemistry 533. (3-0)
639	Special Topics in Organic Chemistry (3 semester hours) Subject matter will vary and the course may be repeated for credit. Examples of topics are: Organic photochemistry, organometallic chemistry, homogeneous and heterogeneous catalysis, and advanced NMR techniques. Prerequisite: Chemistry 531. (3-0)
649	Special Topics in Inorganic Chemistry (3 semester hours) Subject matter will vary and the course may be repeated for credit. Examples of topics include: Physical Methods of Inorganic Chemistry, Applications of Group Theory, and Bioinorganic Chemistry. (3-0)
659	Special Topics in Analytical Chemistry (3 semester hours) Subject matter will vary and the course may be repeated for credit. (3-0)
690	Seminar (1 semester hour) Staff Presentations of current work by faculty and outside speakers. May be repeated. (1-0)

Chemistry Program (continued)

<u>Course</u>	<u>Description</u>
699	Research and Literature Seminar (2 semester hours) Staff Student presentation and critical evaluation of independent work and of the recent literature. May be repeated. (2-0)
911	Research in Physical Chemistry (2 to 12 semester hours) (0-variable) Parr, Melton, Rapp
921	Research in Theoretical Chemistry (2 to 12 semester hours) (0-variable) Rapp, Parr
931	Research in Organic Chemistry (2 to 12 semester hours) (0-variable) Caldwell
941	Research in Inorganic Chemistry (2 to 12 semester hours) (0-variable) Sherry
951	Research in Analytical Chemistry (2 to 12 semester hours) (0-variable) Staff
961	Research in Biochemistry (2 to 12 semester hours) (0-variable) Werbin, Sherry
908	Thesis (3 semester hours) (May be repeated for credit). (0-9)

GRADUATE PROGRAM IN COMMUNICATION
DISORDERS

(M.S., Ph.D.)

PROFESSORS: D. D. Daly, A. Glorig (Head), G. Moushegian

ASSOCIATE PROFESSORS: G. M. Gerken, D. F. Johns, H. K. Ulatowska

OBJECTIVES

This curriculum prepares students to integrate the interdisciplinary bases of communicative behavior and to express this knowledge in a practical manner through research and study and through innovative and effective delivery of clinical services. The training program is designed to permit graduate students to pursue individual research and clinical interests within wide areas of choice, developing skills which will better prepare them for a career as a clinician, a teacher, an investigator, or an administrator.

M.S. PROGRAM

Three categories of instruction fulfill the specific aims of the proposed program: (1) core courses, (2) basic science courses, and (3) clinical training courses.

The structure of the M.S. Program provides flexibility so that a student may pursue areas of interest, with an emphasis in Audiology or Speech Pathology. In addition to course work, the student will obtain clinical and laboratory exposure as well as to have the opportunity to participate in clinical practicum.

The academic program and clinical services reflected in the curriculum include evaluations of disorders using a wide variety of evaluative procedures and therapeutic techniques. The Master of Science Degree in Communication Disorders will provide the necessary course work and practicum for clinical certification.

Ph.D. PROGRAM

The Doctoral Program in Communication Disorders is designed to produce graduates who are experts in the diagnosis and treatment of human communicative behavior and its problems. Thus the common areas of function and concern to all traditional fields of study in communication behavior (specifically: etiology and pathology, diagnosis and evaluation, habilitation and rehabilitation, and prevention and conservation) are a part of the curriculum. To this list of common areas of function may also be added: Normal growth and development in communication skills, administration and supervision of programs, staff development, and innovation in delivery of services.

The persons trained in the Ph.D. program will be: (1) researchers who can direct investigation of the basic aspect of that segment of the population, with communication disorders, with a broad knowledge of its clinical characteristics; and (2) administrators of clinical and/or educational programs who have a general background in the scientific and systematic investigation of communication disorders.

In this program, classroom learning must be demonstrated and validated in a clinical, educational or laboratory situation to meet performance criteria specified by the faculty.

Communication Disorders (continued)

FACILITIES

The unique facilities available for this program provide access to, and training in, a variety of laboratories, both at Callier Hearing and Speech Center and The University of Texas Health Sciences Center. This combination provides an opportunity for a deeper understanding of the pathologies.

What is uniquely different in this program is the inherent strength of the Callier Hearing and Speech Center, both in basic and clinical areas. Learning generated by the free interaction between the personnel of the various disciplines, the extensive laboratory facilities and the wealth of clinical material all serve well to develop a depth in this educational program not generally encountered in other academic settings.

SPECIFIC DEGREE REQUIREMENTS

A background in speech pathology, audiology, linguistics, education or psychology would be expected for students entering the study of communication disorders. In addition, the student would be expected to meet the basic requirements for entrance into graduate study at The University of Texas at Dallas.

A special degree requirement will be the rotation of each student through various work areas of communication behavior with demonstrated competency in the function of each aspect of research and service to patients.

The M.S. Program requires a minimum of 36 semester hours of credit. The student completing the Master's Program in Communication Disorders will have met the academic requirements for Certification of Clinical Competence in either speech pathology or audiology, offered by the American Speech and Hearing Association.

Applicants for the Doctorate are usually expected to hold a Master's Degree in Communication Disorders or some related field. While such prior formal training is not required, it is strongly recommended.

All students pursuing the Doctor of Philosophy degree will take a majority of the core courses during the first two semesters. After the student has passed the written and oral examination, an individualized degree program will be developed by the faculty. Specific courses will be prescribed for each student for the next three to four semesters. The remaining semesters will be allocated to directed research studies and scholarly investigations. The program is completed by acceptance of a doctoral dissertation and a final oral examination.

M.S. Program in Communication Disorders

Core Courses (Required of all M.S. students)

<u>Course</u>	<u>Description</u>
500	Introduction to Communication Disorders (3 semester hours) This course will cover the social, physical, physiological, neurological, phonetic, linguistic, psychological, genetic, and semantic bases of speech and hearing. This course is primarily expository in nature and will provide basic information regarding the nature and function of the communicative process from many points of view to provide for a broad understanding from which direct application may be made. (3-0)

Communication Disorders (continued)

<u>Course</u>	<u>Description</u>
501	<p>Introduction to Graduate Studies in Communication Disorders (1 semester hour)</p> <p>This course will provide an overview of the history and contemporary philosophies in speech pathology and audiology. Special reference is given to the cooperative interaction between speech pathology and audiology and their relationships to other health related disciplines. Introduction to research methodologies and scientific writing. (1-0)</p>
515	<p>Clinical Practicum in Communication Disorders (1 semester hour)</p> <p>Supervised participation in clinical practice demonstrating behavioral skills in evaluative and therapeutic consultation with individual patients and groups. Intake procedures, case histories, records, and reports and the therapeutic processes and techniques applicable to both children and adults. (May be repeated for credit.) (1-10)</p>
520	<p>Communication Sciences (3 semester hours)</p> <p>Instrumentation and measurements. A survey of the nature of sound, acoustics and the general mathematical concepts essential to work in speech pathology and audiology. Measurement of fundamental frequency and intensity of speech. Demonstration of instrumentation and laboratory experiments will augment the lectures. (3-2)</p>
525	<p>Seminar in Medical Aspects of Communicative Disorders (2 semester hours)</p> <p>This course is a study of the diseases which cause communicative disorders. Lecturers will cover medical evaluation of these problems and consider the various medical and surgical treatment approaches (otolaryngology, neurology, neurosurgery, pediatrics, radiology, physical medicine and rehabilitation) and relate them to the specific communicative disorder. Participation in clinical conferences and at special clinics will be coordinated with didactic presentation. (2-0)</p>
526	<p>Habilitation of Hearing Impaired Children (3 semester hours)</p> <p>A study of principles and methodology in the development of speech and language for the hearing impaired child, with particular emphasis on the preschool and elementary age child. The course will involve exposure to and participation in the Infant Home Training, Pre-primary, and Primary classes in the Educational Division of Callier and with special programs for the deaf. (3-0)</p>
530	<p>Advanced Seminar/Internship in Communicative Disorders (3 semester hours)</p> <p>This is an intensive internship program in a clinical setting with daily scheduled seminars dealing with the varied aspects of communicative disorders. Advanced study of clinical problems in communicative disorders on an apprenticeship basis, whereby special supervised clinical experiences will be selected for intensive study. Concentration may be in audiology and/or speech pathology with emphasis on multidisciplinary evaluation and treatment.</p>

Communication Disorders (continued)

Required Courses for Emphasis in Audiology

A. Basic Science Courses

<u>Course</u>	<u>Description</u>
502	Anatomy and Physiology of the Auditory System (2 semester hours) A comparative anatomical study of both the peripheral and central auditory system. A study of the normal physiology of the auditory system, which will include middle-ear and cochlear biophysics, cochlear biochemistry and electrophysiology of the cochlea and central auditory system. (2-0)

B. Clinical Training Courses

<u>Course</u>	<u>Description</u>
504	Advanced Clinical Audiology (3 semester hours) The study of auditory pathology, symptomatology and measurement. Clinical application and interpretation of speech audiometry, bone conduction tests, masking, and special tests for sensorineural lesion differentiation. (3-0)
506	Adult Aural Rehabilitation and Hearing Aids (3 semester hours) A study of the acoustic performance of hearing aids, clinical procedures used in the selection of hearing aids. Auditory training and speech conservation in the rehabilitation of patients with hearing impairment. The social and psychological considerations and counseling in the rehabilitation of the hearing impaired adult. (3-0)
510	Differential Audiological Procedures (3 semester hours) A lecture and clinical course dealing with more advanced audiological procedures used to establish differential diagnoses of auditory disorders. Principles and technique of the measurement and the interpretation of audiological data in conjunction with interdisciplinary evaluations of patients with auditory disorders. Specialized audiometric procedures used with exceptional populations: infants, the retarded, the aged, the multiply handicapped, and patients with psychogenic disorders. (3-0)
511	Seminar in Clinical Audiology (3 semester hours) Etiological, medical, legal, and genetic, and psycho-acoustical considerations in audiometry. Ethics, professional relationships, and administrative consideration in audiological practice. (3-0)

Required Courses for Emphasis in Speech Pathology

A. Basic Science Courses

<u>Course</u>	<u>Description</u>
503	Anatomy and Physiology of Voice and Speech Production (2 semester hours) A didactic and laboratory study of the anatomy and physiology of the phonatory, resonance, and articulatory systems. (1-5)

Communication Disorders (continued)

<u>Course</u>	<u>Description</u>
539	Neurophysiological Bases of Language (3 semester hours) A study of the neurophysiological foundations of language and linguistics. Emphasis on the theoretical, developmental, and comparative aspects of linguistic behavior as applied to neurophysiological and psychological deficits evidenced in language disorders. (3-0)

B. Clinical Training Courses

<u>Course</u>	<u>Description</u>
505	Advanced Clinic Methods in Speech Pathology (3 semester hours) The study of the speech pathologies, symptomatology, and measurement, including instrumentation and clinical measurement procedures. The therapeutic process in speech pathology; materials, techniques applicable to speech therapy. Case presentations and demonstrations will supplement lectures. (2-5)
507	Disorders of Voice and Articulation (3 semester hours) The study of the pathology, physiology and acoustic symptomatologies in disorders affecting phonation, resonance and articulation. Emphasis on procedures and methods for the evaluation and treatment of phonatory resonance and articulatory disorders. Lectures will be supplemented with patient presentations and demonstrations. (3-0)
521	Differential Diagnostic Techniques in Speech Pathology (3 semester hours) Emphasis on procedures for the differential diagnosis of hearing impairment, mental retardation, emotional disturbance and brain injury. Principles of diagnosis; rational, validity, and reliability of diagnostic procedures. Lectures will be supplemented by the demonstrations and clinical observations. (2-5)
533	Organic Disorders in Speech Pathology (3 semester hours) Neurophysiological background and etiologies of speech and language disorders associated with neurogenic speech and language disorders, cleft palate, and other orofacial pathologies. (3-0)

Elective Courses (Master's Degree)

These courses will be offered subject to sufficient student demand.

<u>Course</u>	<u>Description</u>
509	Special Topics/TAGER (3 semester hours) (3-0)
522	Stuttering (3 semester hours) A review of the theories of stuttering and the study of the approaches to the treatment of disorders producing stuttering symptomatology. The principles of therapeutic techniques and management programs will be supplemented by patient presentations and demonstrations. (3-0)

Communication Disorders (continued)

<u>Course</u>	<u>Description</u>
531	<p>Communication Sciences II - Acoustical and Physiological Phonetics (3 semester hours)</p> <p>The acoustic features of voice and speech production. The use of vocal synthesis methods to evaluate the relevance of the acoustic properties of vocal production to perception. Application of acoustic phonetics to the analysis of disorders of voice and speech production. Emphasis on the physiological bases of voice and speech production, including its theoretical foundations. (3-0)</p>
532	<p>Experimental Audiology (3 semester hours)</p> <p>Description of the response characteristics of the auditory system to simple and complex stimuli, including speech and the experimental methods by which such characteristics are obtained. Special attention to electro-physiological techniques and objective audiometric procedures. Emphasis on the application of psychophysical theory to the analysis of results obtained from human and animal experimentation. (3-0)</p>
534	<p>Seminar in Speech Pathology (3 semester hours)</p> <p>Advanced study of selected topics in speech pathology with an emphasis on differential diagnostic procedures; review and critique of pertinent literature; with special reference to the analysis of theories and techniques as they relate to rehabilitative programs. (3-0)</p>
537	<p>Introduction to Language and Linguistics (3 semester hours)</p> <p>Introduction to the basic concepts of verbal communication, proceeding from (1) its acoustic characteristics and phonemic description, through (2) the application of information theory, to (3) language as a social behavior. (3-0)</p>
538	<p>Linguistic Analyses (3 semester hours)</p> <p>A survey of the techniques and methods of modern linguistics; including specific analysis of phonetic, phonological, morphemic, and syntactic aspects of natural language systems. (3-0)</p>
598	<p>Directed Individual Studies in Communicative Disorders (1-3 semester hours)</p> <p>Independent pursuit of advanced problems in speech pathology and/or audiology of special concern to qualified graduate students. May be repeated to a maximum of six semester hours. Requires the consent of the major professor and the instructor involved. (May be repeated for credit) (1-5 to 1-10)</p>

Ph.D. Program in Communication Disorders

Core Courses

<u>Course</u>	<u>Description</u>
611	<p>Communicology I (3 semester hours)</p> <p>The input stage of the communicative process. Basic acoustics and optics. Normal and pathological functioning of the auditory and visual systems. Principles of psychophysics. Sensory prostheses. (3-0)</p>

Communication Disorders (continued)

<u>Course</u>	<u>Description</u>
612	Communicology II (3 semester hours) The meaning stage in the acquisition and employment of communicative skills. Cognition and perception, psycholinguistics learning and memory, development psychology, evaluation and pathology, therapeutic procedures. (3-0)
613	Communicology III (3 semester hours) The output stage: the generation of communicative behavior. Neurology, speech science, anatomy and physiology of speech, phonetics, evaluation, and pathology therapeutic procedures. (3-0)
614	Communicology IV (3 semester hours) Techniques in the study and analysis of communicative behavior. Research design computer skills, evaluation methods, statistical measures, critiques of studies. (3-0)
621	Laboratory in Communicology I (3 semester hours) Acoustical and optical measurement. Gross and microscopic anatomy of sensory systems. Physiology of sensory systems. Procedures in psychophysics. (0-9)
622	Laboratory in Communicology II (3 semester hours) Measurements in cognition and perception. Measurement and analysis of phonetic, phonological, morphemic, and syntactic aspects of normal and impaired language. Therapeutic procedures. Supervised practice in the use of evaluative instruments and therapeutic strategies. (0-9)
623	Laboratory in Communicology III (3 semester hours) Speech analysis and evaluations. Use and administration of standardized measures of articulation, language, and psycholinguistic tests. Examination of normal and pathological oral-peripheral mechanisms. Gross neuroanatomy. Dissection of the human brain. (0-9)
624	Laboratory in Communicology IV (3 semester hours) Introduction to principles of computer programming, including hardware and software use. Design and implementation of experimental programs. Use of procedures emphasizing practical aspects of research methods. (0-9)
Electives	
631	Delivery of Comprehensive Speech and Hearing Services in the Community I (3 semester hours) Program development and implementation, including staff selection and development. Interagency relationships. Development of satellite programs. (3-0)
635	Advanced Neuroanatomy and Neurophysiology of Sensory Systems (3 semester hours) Intensive study of brain mechanism and pathways of the auditory and visual systems. (3-0)

Communication Disorders (continued)

<u>Course</u>	<u>Description</u>
636	Neuropsychology of the Sensory Systems (3 semester hours) Higher brain function as related to behavior in audition and vision. (3-0)
637	Neurogenic Speech and Language Disorders (3 semester hours) Aphasia, agnosia, and apraxia. Study of linguistic impairments in aphasia and related disorders. Description and delineation of the apraxias, dysarthrias, agnosias. Procedure for evaluation and implications for treatment. (3-0)
638	Psychophysiology of Audition (3 semester hours) Psychophysiological bases of auditory sensation and perception, including its theoretical foundations. Analysis of disturbed physiological function as evidenced in human auditory disorders with supporting evidence from animal experimentation. (2-5)
640	Psychological Approach to Physical Disability (3 semester hours) Effects of sensory impairment on cognitive and affective development. Sociological aspects of physical disability. (3-0)
641	Learning Patterns of Sensorially Impaired Children (3 semester hours) Assessment of learning patterns. Research in learning patterns. Evaluation of learning programs. (3-0)
642	Therapeutic Environments for Sensorially Impaired Children (3 semester hours) Classroom management. Therapy settings. Parent/home programming. Behavior management. Developmental approaches to intervention. (3-0)
643	Practicum in Communication Behavior (3 semester hours) Rotation through various settings in communication disorders agency. (May be repeated for credit) (0-15)
644	Individual Study in Communicative Behaviors (3 semester hours) Individualized program of reading, research and implementation of clinical strategies. (May be repeated for credit) (3-0)
901	Research in Communicology (2-12 semester hours) (Varying from 0-6 to 0-36)
909	Dissertation (3 semester hours) (May be repeated for credit) (0-9)

GRADUATE PROGRAM IN ENVIRONMENTAL SCIENCES

(M.S., Ph.D.)

PROFESSORS: F. S. Johnson, E. J. Fenyves, C. L. Lundell, P. L. Odell (Acting Head)

ASSOCIATE PROFESSORS: H. Gutz, M. Halpern, M. H. Patrick

ASSISTANT PROFESSOR: W. Manton

OBJECTIVES

The basic objective of the graduate Program in Environmental Sciences is to train a new professional to analyze and provide solutions for a broad range of practical environmental problems. This multidisciplinary program is designed to produce graduates who are not only skilled and knowledgeable in the scientific/technical aspects of the environmental problems but who also will be sensitive to the need for understanding by the community-at large.

PROGRAMS

There are six areas of specialization in the Environmental Sciences Program: Air Pollution; Water and Soil Pollution; Energy Resources and Radioactive Pollution; Ecology; Land Use and Landscape Architecture; and the Management, Social and Economic Aspects of Environmental Sciences. First-year students will normally complete Core Courses that give a review of the fundamentals of these fields, and take some seminars and elective courses. Some students may find it necessary to take a survey course in applied mathematics as a first semester elective.

After the first year the student may proceed to advanced course work in any of the six general areas, or in a combination of them, best fitting his own particular goals and immediate situation. The course work includes lectures, laboratory and field courses. Research work may be undertaken in any of the six areas on-or-off campus with particular emphasis on the analysis and solution of practical problems.

FACILITIES

Equipment and facilities are available in various special fields of physics, chemistry, biology and geological sciences, and can be applied to environmental studies. The completion of the construction of a new Environmental Sciences building equipped with special facilities and instruments is scheduled for early 1974.

SPECIFIC DEGREE REQUIREMENTS

Those students choosing to enter the program should have a Bachelor's Degree in a basic science, including mathematical sciences, or in engineering. Those in mathematical sciences or operations research should have a strong minor in one of the natural sciences.

Each entering student is expected to complete successfully the eighteen hour block of core courses, 501, 502, 510, 511, 520, and 530.

There are three ways a student can satisfy the requirements for the Master of Science Degree. In addition to the core courses, a student must complete

Environmental Sciences (continued)

- (1) six hours of electives selected from one of the topics area,
and
- (2) a master's thesis

or

- (1) six hours of electives selected from one of the topics area,
and
- (2) internship at a local industry or government laboratory

or

- (1) eighteen hours of electives.

Those students wishing to pursue the Doctor of Philosophy Degree must have a Master of Science Degree in Environmental Sciences from UTD or its equivalent. The Ph.D. Program requires a major concentration in three of the six areas of study and a minor concentration in two areas. A dissertation is required and must be, as a result of independent investigation in the student's major area, an original contribution to scholarship. Research leading to the granting of the degree is expected to require the equivalent of a full-time effort for a period of at least one year.

Environmental Sciences Courses

Core Curriculum

<u>Course</u>	<u>Description</u>
ENV 501	Natural Resources I: Air (3 semester hours) Atmospheric physics, physical meteorology, and environmental micro-meteorology; sources, fate, and monitoring of air pollutants. (3-0)
ENV 502	Natural Resources II: Water (3 semester hours) Hydrologic systems, water resources; sources, fate, and monitoring of pollutants. (3-0)
ENV 510	Ecology I (3 semester hours) Earth processes: geological evolution, soil dynamics, geography of the earth, emergence and stabilization of biological diversity, population dynamics, ecological equilibria; energy networks in the biosphere. (3-0)
ENV 511	Ecology II (3 semester hours) Man's impact on the biosphere: exploration, exploitation, conservation and development of natural resources. Aspects of comparative physiology; pathology and toxicology of different pollutants. Effects on the biosphere; public health problems. (3-0)
ENV 520	Energy Consumption: Resources and Impact (3 semester hours) Energy need and resources; current technological problem. (3-0)
ENV 530	Economic, Social and Legal Aspects of Environmental Quality (3 semester hours) Introduction to environmental systems analysis; economics of public works and water resource planning; economic, legal, and social problems in pollution control, land use, and resource management. (3-0)

Environmental Sciences (continued)

Meteorology and Air Pollution

<u>Course</u>	<u>Description</u>
ENV 601	Meteorology (3 semester hours) Absorption, scattering, and distribution of solar radiation in the atmosphere and at the earth surface; water and ice in the atmosphere; atmospheric thermodynamics, hydrodynamics, and instability; transport processes. (3-0)
ENV 602	Physics and Chemistry of the Lower and Upper Atmosphere (3 semester hours) Properties of and interaction between the lower and upper atmosphere; chemistry and transport of air pollutants in the atmosphere. (3-0)
ENV 603	Biological Effects of Air Pollution (3 semester hours) Biological processes involved with the absorption, fate and pathology of air pollutants. Effects of air pollution on the biosphere. (3-0)
ENV 604	Air Pollution Measurements and Control (3 semester hours) Sources and characteristics of air pollution, techniques of measurements, air pollution control systems. (3-0)
ENV 605	Air Pollution and Public Health (3 semester hours) Acute and chronic public health aspects of air pollution; problems of detection, correlation, and evaluation of epidemiological data. (3-0)
ENV 609	Special Topics in Air Pollution Control (3 semester hours) (May be repeated for credit). (3-0)

Hydrology and Water Pollution

<u>Course</u>	<u>Description</u>
ENV 610	Applied Fluid Mechanics (3 semester hours) (3-0)
ENV 611	Dynamic Hydrology (3 semester hours) Transport processes; dynamical modeling; analysis of hydrologic systems; measurement techniques. (3-0)
ENV 612	Water Resource Systems (3 semester hours) Analysis, design and operation of surface and subsurface reservoirs, pipeline systems, channels and river basins. Water quality control; economic and management aspects with particular emphasis on the Texas Water Plan. (3-0)
ENV 613	Physics and Chemistry of Water and Soil Pollutants (3 semester hours) Source, chemistry, and transport of water pollutants. Analysis of water and soil; instrumentation. (3-0)
ENV 614	Biological Effects of Water and Soil Pollution (3 semester hours) Biological processes involved in the absorption, fate, and pathology of water pollutants; effects of water and soil pollution on the biosphere. (3-0)

Environmental Sciences (continued)

<u>Course</u>	<u>Description</u>
ENV 615	Water and Soil Pollution Control (4 semester hours) Sources of water and soil pollution; techniques of measurements; methods for solid and liquid waste disposal, design of control systems; legal, economical, social and management aspects. (3-3)
ENV 616	Water and Soil Pollution and Public Health (3 semester hours) Acute and chronic public health aspects of water and soil pollution; problems of detection, correlation, and evaluation of epidemiological data. (3-0)
ENV 619	Special Topics in Water Quality Control (3 semester hours) (May be repeated for credit). (3-0)

Energy Resources and Radioactive Pollution

<u>Course</u>	<u>Description</u>
ENV 620	Energy Problem in our Technological Civilization (3 semester hours) The energy supply: coal, production cycles, world reserves, new energy sources. Environmental aspects of various fuels. (3-0)
ENV 621	Physics and Measurement of Nuclear Radiations (3 semester hours) Properties and detection of radioactivity; dosimetry and shielding; radiation hazards in environmental systems; maximum permissible level of radiations, environmental monitoring and safety measures. (3-3)
ENV 622	Biological Effects of Nuclear Radiations (3 semester hours) Immediate and late somatic effects, cellular damage, genetic effects; internal and external permissible exposure levels; diagnostic procedures; ecological perturbations. (3-0)
ENV 623	Handling and Disposal of Radioactive Materials (2 semester hours) Handling, shielding, storage and transportation of radioactive materials; sources and characteristics of radioactive wastes. (2-0)
ENV 629	Special Topics in Energy Resources (3 semester hours) (May be repeated for credit). (3-0)

Ecology

<u>Course</u>	<u>Description</u>
ENV 630	Earth Processes (3 semester hours) Geomorphology, igneous and sedimentary processes; evolution of continents and oceans; geochemistry of the sedimentary environment. (3-0)

Environmental Sciences (continued)

<u>Course</u>	<u>Description</u>
ENV 631	Environmental Biology (3 semester hours) Biochemical energetics, genetics, and evolution; physiology and interactions with the environment. (3-3)
ENV 632	Ethnogeography (3 semester hours) Exploitation and conservation of renewable natural resources, exploitation of untouched resources, development of resources. (3-0)
ENV 633	Mathematical Ecology (3 semester hours) A general survey of the mathematical and statistical aspects of classical ecology. Population genetics and dynamics; ecology of animal communities; food chains and webs. (3-0)
ENV 634	Agriculture and Environmental Science (3 semester hours) A general survey of the environmental aspects of agriculture and forestry, land use for food production, pesticides, environmental toxicology, food control and public health. (3-0)
ENV 636	Marine Biology and Food Resources of the Oceans (3 semester hours) Ecology of micro- and macro-organisms in the seas and estuaries; cycling of energy and matter through the marine ecosystem; food resources of the oceans and their utilization. (3-0)
ENV 639	Special Topics in Ecology (3 semester hours) (May be repeated for credit). (3-0)
Land Use and Landscape Architecture	
ENV 641	Landscape Design and Construction (3 semester hours) Theories and methods in landscape analysis, physiographic and cultural aspects of landscape planning; environmental aspects. (3-0)
ENV 642	Regional and Urban Landscape Design (3 semester hours) Landscape design for the community, renewal and development, social and psychological factors; special problems of metropolitan areas; environmental aspects. (3-0)
ENV 643	Social, Public Health and Safety Aspects of Landscape Architecture (3 semester hours) Social, health and safety aspects of regional and urban planning and development; housing and industrial areas; highways and communication; air quality and water supplies; sewage system and solid waste disposal; policy making, management and administrative problems. (3-0)
ENV 644	Special Topics in Landscape Architecture (3 semester hours) (May be repeated for credit). (3-0)

Environmental Management, Social and Economic Problems

<u>Course</u>	<u>Description</u>
MAS 725	Operations Research Techniques for Environmental Quality (3 semester hours) Applications of operations research techniques to problems of environmental quality. Critical review of current literature. Prerequisite: MAS 613. (3-0)

Environmental Sciences (continued)

<u>Course</u>	<u>Description</u>
MAS 755	Simulation of Management Systems for Environmental Evaluation (3 semester hours) Applications of simulation languages and methodologies to problems of environment. Analysis of data generated by simulation models and validation of models and results. (3-0)
MAS 767	Land Use and Resource Management (3 semester hours) Seminar or selected topics in optimal land use models and the environmental and economic trade-offs necessary for effective management. (3-0)
MAS 768	Economic Planning of the Public Sector (3 semester hours) Presents a variety of applications of operations research techniques in the areas of economics, environmental engineering and urban planning. Several quantitative models are examined and the advantage or limitations of each are investigated from a methodological and practical viewpoint. (3-0)
MAS 769	Urban, Regional and Social Problems in Environmental Design (3 semester hours) Theory of economic discrimination, racial composition of employment and unemployment, discrimination in housing and their environmental interface. Topics also include rural poverty, transportation and tax proposals. (3-0)
MAS 784	Problems in Environmental Health, Sanitation and Community Planning (3 semester hours) Seminar on the relationship of environmental health to sanitation and community planning. Qualitative and quantitative models will be evaluated. (3-0)

Other Courses

<u>Course</u>	<u>Description</u>
ENV 509	Special Topics/TAGER (3 semester hours) (3-0)
ENV 810	Environmental Science Laboratory (3 semester hours) Students participate in the analysis and solution of problems, either individually, or as a member of an on-or-off campus interdisciplinary team, in the laboratory or in the field. The student may change his problems at the end of a semester's work; however, since experience on a given problem will provide the basis for the MS thesis, a change in problem may necessitate a longer time to complete the MS Degree. (0-9)
ENV 908	Thesis (3 semester hours) (May be repeated for credit). (0-9)
Env 910	Research in Environmental Science (3-12 semester hours) Open to students who are candidates for the Ph.D. Degree. (0-9)
ENV 909	Dissertation (3 semester hours) (May be repeated for credit). (0-9)

GRADUATE PROGRAM IN GEOLOGICAL SCIENCES

(M.S., Ph.D.)

PROFESSORS: F. Abramovici, A. L. Hales, C. E. Helsley (Head), M. Landisman

ASSOCIATE PROFESSORS: M. Halpern, E. Pessagno, D. C. Presnall, J. B. Urban

ASSISTANT PROFESSORS: J. L. Carter, W. I. Manton, R. M. Mitterer, P. A. Scholle

Undergraduate or Master's work in either chemistry, biology, geology, mathematics, physics, or engineering is acceptable. Deficiencies in undergraduate geology will be offset by strength in other sciences and mathematics. The program is designed specifically to permit students to remedy deficiencies in geology without undue prolongation of course work. Course programs will be designed to meet the specific needs and interests of each student.

SPECIFIC REQUIREMENTS FOR M.S. AND Ph.D. DEGREES:

A. Each student must fulfill the following Program requirements:

1. Complete with satisfactory grades the Core Courses (Core I and Core II).
2. Fulfill the minimal mathematics requirement (one course beyond calculus).
3. Prove his scientific facility in either French, German, Russian, Spanish, or any other foreign language acceptable to the faculty.
4. Complete a field course. This requirement may be waived by the faculty on the recommendation of the Supervising Professor. (Note: students are responsible for all personal expenses related to field trips.)
5. Prove his ability to use a computer.
6. Master's of Science aspirants must take at least 5 advanced courses (exclusive of Core I and Core II) with acceptable grades.
7. Ph.D. aspirants should normally take at least 7 advanced courses (exclusive of Core I and Core II). Two of these courses may be research courses.

B. General

Requirements for granting degrees for the M.S. and Ph.D. are stated under "General Procedures and Requirements for Degree Candidates."

During his first semester in residence, an M.S. or Ph.D. aspirant should select a Supervising Professor upon mutual agreement between the faculty member and the student. Shortly thereafter, the aspirant's Supervising Committee will be appointed, will aid the student in planning his curriculum, and will oversee his research. All these must be approved by the student's Supervisory Committee before the thesis defense and the submission of the thesis to the University.

FACILITIES FOR GRADUATE WORK

The research facilities available to students are excellent. They include mass spectrometers, an X-ray diffractometer, an absorption spectrophotometer, an electron microprobe, a scanning electron microscope, high pressure and high temperature experimental petrology laboratories, a paleomagnetic laboratory, an organic geochemistry laboratory, equipment for seismic studies on land and at sea, a seismic data processing system using a PDP-15 computer, and a library of WWSSN records. The university has an IBM 360/50 computer which is available for student computing.

Geological Sciences (continued)

The University of Texas (North Central Texas) Regional Computer Center is now operational, offering additional facilities to graduate students in geological sciences. Other facilities at Southern Methodist University are also available to students.

In addition to the above facilities, students enrolled at UTD have access to courses in Marine Sciences through The University of Texas Marine Science Institute. Students also have access to the facilities of the Institute at Galveston and Port Aransas.

Geological Sciences Courses

General

<u>Course</u>	<u>Description</u>
500	Introduction to Geology (3 semester hours) Manton, Presnall, Mitterer A review of earth processes as a whole: Time and geology; geomorphology; igneous and sedimentary processes and products; metamorphism; structure, form and deformation of geologic bodies; evolution of continents and oceans, chemical fractionation within the earth, etc. This course is open only to students whose major undergraduate study was in subjects other than geology. (3-0)
501	Core I (3 semester hours) Staff Modern concepts of the structure and chemistry of the earth's interior, and the methods by which this information is obtained; earth shaping processes; the origin and chemistry of crustal materials and their relation to the crust-mantle system; regional and global tectonics. (3-0)
502	Core II (3 semester hours) Staff Regional and global stratigraphy with emphasis on the tectonic framework and chemical evolution of sediments; evidence for early life and the ecologic significance of its subsequent evolution; modern concepts of bio- and lithostratigraphic correlation. (3-0)
503	Use of the Computer (3 semester hours) Roberts An introduction to computer languages and programming as applied to geological problems. Laboratory sessions are included. (2-3)
505	Field Geology (4 semester hours) Helsley, Manton, Halpern, Scholle An introduction to the interrelation of geologic features in the field including the fundamental principles and techniques of geologic mapping. Course consists of lectures, 8 days of detailed field mapping and preparation of a report prepared in professional form. (2-6)
506	Field Geology--Summer Camp (6-12 semester hours) (1-20) Staff (Note: Students are responsible for all personal expenses related to field trips.)
507	Introduction to Field Geology (1 semester hour) Manton, Presnall, Mitterer A series of three, two-day field trips to study a variety of geologic features and rock types. This course is designed to accompany Geosciences 500 and is open only to students whose major undergraduate study was in subjects other than geology. (0-3)

Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
508	Special Topics in Geology-Geophysics (3 semester hours) (3-0) Staff
509	Special Topics/TAGER (3 semester hours) (3-0) Staff
Paleontology	
<u>Course</u>	<u>Description</u>
530	Invertebrate Paleontology (4 semester hours) Pessagno Studies of the morphology, evolution, classification and paleoecology of invertebrates important in the fossil record. (2-6)
531	Principles & Methods of Paleontology (3 semester hours) Urban, Pessagno Collection, processing and microscopic techniques in paleontology. (2-3)
532	Micropaleontology I (4 semester hours) Pessagno Introduction to the study of invertebrate microfossils with emphasis on the Foraminiferida, Ostracoda, and Radiolaria. 535 to be taken concurrently. (4-0)
533	Palynology I (2 semester hours) Urban An introduction to palynology. Morphology, systematics and stratigraphic distribution of Mesozoic and Cenozoic palynomorphs, including spores, pollen, dinoflagellates, and hystrichospheres. 536 to be taken concurrently. (2-0)
534	Paleoecology (3 semester hours) Urban Relations between sediment type, organism distribution, diagenesis, and the historical continuity of community organization. (3-0)
535	Micropaleontology IA (2 semester hours) Pessagno Laboratory studies of microfossils important in the fossil record. (0-6)
536	Palynology IA (2 semester hours) Urban Laboratory studies of Mesozoic and Cenozoic palynomorphs, including spores, pollen, dinoflagellates, and hystrichospheres. (0-6)
632	Micropaleontology II (2 semester hours) Pessagno Morphology, phylogeny, and classification of Mesozoic and Cenozoic planktonic Foraminiferida. 633 to be taken concurrently. (2-0)
633	Micropaleontology IIA (2 semester hours) Pessagno Investigation of Mesozoic Globigerinacea in the laboratory. Special studies dealing with the stratigraphic distribution of Upper Cretaceous planktonic Foraminiferida in Texas. Field trips will be mandatory. (0-6)
634	Palynology II (2 semester hours) Urban Morphology, systematics and stratigraphic distribution of Paleozoic palynomorphs, including spores, pollen, acritarchs, chitinozoa, and microscopic algae. 635 to be taken concurrently. (2-0)

Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
635	Palynology IIA (2 semester hours) Urban Laboratory studies of Paleozoic palynomorphs, including spores, pollen, acritarchs, chitinozoa, and microscopic algae. (0-6)
638	Seminar in Paleontology (3 semester hours) (3-0) Pessagno
639	Seminar in Palynology (3 semester hours) (3-0) Urban
930	Research in Paleontology (1-12 semester hours) Pessagno, Urban (May be repeated for credit).

Sedimentology-Stratigraphy

<u>Course</u>	<u>Description</u>
541	Biostratigraphy (3 semester hours) Pessagno Principles of biostratigraphy. Evolution of modern biostratigraphic nomenclature: D'Orbigny to Hedberg. Prerequisite: An upper division undergraduate course or graduate course in paleontology. (3-0)
542	Sedimentary Environments (3 semester hours) Scholle The interpretation of ancient sedimentary environments of deposition based on the study of primary sedimentary structures, grain size analysis, fossils, trace fossils, unit geometry, quartz grain surface textures, trace element, geochemistry, etc. Deals with classic terrigenous as well as carbonate sediments. (3-0)
543	Introductory Sedimentology (3 semester hours) Scholle, Mitterer Basic principles of physical and chemical sedimentation. Fluid-sediment interactions; introduction to hydrodynamics; water chemistry; weathering and formation of carbonate and siliceous sediments. (3-0)
544	Sedimentary Petrography I (2 semester hours) Scholle Description, classification and genesis of clastic terrigenous sedimentary rocks in thin-section and hand sample. Emphasis is on sandstones, but coverage of siltstones, shales and chemical deposits (chert and evaporites) is also included. 545 to be taken concurrently. (2-0)
545	Sedimentary Petrography IA (2 semester hours) Scholle Laboratory studies of clastic sediments. (0-6)
546	Sedimentary Petrography II (3 semester hours) Scholle Study of the origin, textures, distribution patterns and alteration of recent and ancient carbonate sediments. The chemistry of formation and diagenesis of carbonates will be emphasized. (3-0)

Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
547	Sedimentary Petrography III (2 semester hours) Scholle Description, classification and genesis of carbonate grains as seen in thin-section and hand samples. Includes the microscopic identification of calcareous fossils. 548 to be taken concurrently. (2-0)
548	Sedimentary Petrography IIIA (2 semester hours) Scholle Laboratory studies of carbonate sediments. (0-6)
644	Sedimentary Petrography I (4 semester hours) Scholle Description, classification and genesis of clastic terrigenous sedimentary rocks in thin-section and hand sample. Emphasis is on sandstones, but coverage of siltstones, shales and chemical deposits (cherts and evaporites) also is included.
648	Seminar in Stratigraphy (3 semester hours) (3-0) Urban, Pessagno
649	Seminar in Sedimentation (3 semester hours) (3-0) Staff
940	Research in Biostratigraphy-Paleontology (1-12 semester hours) Urban, Pessagno
945	Research in Stratigraphy-Sedimentology (1-12 semester hours) Staff

Geochemistry

<u>Course</u>	<u>Description</u>
551	Biogeochemistry (3 semester hours) Mitterer Composition and distribution of organic matter in sedimentary environment; influence on sedimentary processes; carbonate geochemistry; organic-inorganic interactions; diagenesis; origin of life and petroleum. 557 to be taken concurrently. (3-0)
552	Environmental Geochemistry (3 semester hours) Mitterer, Carter, Manton Geochemistry of the sedimentary environment including atmosphere, hydrosphere and biosphere and the effects of man on the environment. 556 to be taken concurrently. (3-0)
553	Sedimentary Geochemistry (3 semester hours) Mitterer Organic and inorganic aspects of the sedimentary environment including sediments, water and organisms. (3-0)
554	Instrumental Techniques in Geochemistry-Petrology (4 semester hours) Carter Modern instrumental techniques including atomic absorption spectrophotometry, mass spectrometry, electron microprobe spectrophotometry, mass spectrophotometry, scanning electron microscopy, and X-ray diffraction and sample preparation. (2-6)
556	Environmental Geochemistry Laboratory (1 semester hour) Mitterer, Carter, Manton Laboratory procedures related to environmental processes. (0-3)

Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
557	Laboratory Techniques in Biogeochemistry and Sedimentary Geochemistry (1 semester hour) Mitterer This course may be taken concurrently with either biogeochemistry or sedimentary geochemistry. (0-3)
650	Geochemistry (3 semester hours) Carter Principles of geochemistry including geochemistry of the elements, the hydrosphere, the atmosphere and the biosphere; chemical evolution of the solar system and igneous and sedimentary rocks. (3-0)
653	Isotope Geochemistry (3 semester hours) Manton Application of isotopic abundance measurements of stable and radiogenic isotopes to problems concerning the origin of the elements, the solar system and rock systems. (3-0)
654	Geochronology (2 semester hours) Halpern Uranium-lead, rubidium-strontium, and potassium-argon radiometric age dating as applied to the solution of geologic problems. (3-0)
655	Geochemical Prospecting & Ore Deposits (3 semester hours) Carter Geochemical methods in mineral exploration including analytical techniques and studies of weathering, soil formation, primary and secondary dispersion patterns and anomalies; evaluation of ore bodies in terms of economics and genesis. (3-0)
656	Geochronology Laboratory (2 semester hours) Halpern, Manton Laboratory studies dealing with mass spectrometric methods for the determination of the age of origin of rocks. Prerequisite: 653 and/or 654. (0-6)
657	Seminar in Isotope and Trace Element Geochemistry (3 semester hours) Manton Discussion of the application of radiogenic isotopes and trace element fractionation patterns to the problem of the origin of igneous rocks. (3-0)
658	Seminar in Geochemistry (3 semester hours) (3-0) Staff
659	Seminar in Geochronology (3 semester hours) (3-0) Halpern
950	Research in Geochemistry (1-12 semester hours) Staff (May be repeated for credit).

Petrology-Mineralogy

<u>Course</u>	<u>Description</u>
560	Advanced Mineralogy (2 semester hours) Carter Elements of optical mineralogy, X-ray and chemical properties of rock forming minerals. 562 to be taken concurrently. (2-0)

Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
561	Introduction to Igneous and Metamorphic Petrology (3 semester hours) Carter, Manton, Presnall Origin, classification and nomenclature of igneous and metamorphic rocks. Topics include mineralogy, trends and associations of igneous and metamorphic rocks, an introduction to phase diagrams, and a discussion of igneous and metamorphic processes in light of recent concepts of plate tectonics. 564 to be taken concurrently. (3-0)
562	Advanced Mineralogy Laboratory (2 semester hours) Carter Microscope, X-ray diffractometer and chemical studies of the rock forming minerals. (0-6)
564	Igneous and Metamorphic Petrology Laboratory (1 semester hour) Carter, Manton, Presnall Identification of rocks and minerals in hand specimens and under the microscope. (0-3)
660	Phase Equilibria and Thermodynamics I (3 semester hours) Presnall Principles of phase equilibria and thermodynamics as applied to petrologic problems, pressure-temperature-composition phase diagrams, pressure-temperature projections of multicomponent systems using Schreinemakers' rules, methods of deducing paths of crystallization and fusion, calculation of phase diagrams from thermodynamic data. (3-0)
661	Igneous Petrology (3 semester hours) Presnall Origin of igneous rocks in light of recent theoretical, experimental and field studies, petrology of the crust and upper mantle, basalt, granite and andesite genesis. (3-0)
662	Phase Equilibria and Thermodynamics II (3 semester hours) Presnall Continuation of 660. (3-0)
663	Electron Microprobe Techniques (4 semester hours) Carter Introduction to principles and procedures in scanning electron microprobe spectrophotometry including energy dispersive analysis. (2-6)
669	Seminar in Petrology (3 semester hours) (3-0) Staff
960	Research in Petrology (1-12 semester hours) Staff (May be repeated for credit).
Structural Geology-Tectonics	
570	Structural Geology (3 semester hours) Manton An intermediate level course for the student who has had little or no exposure to the subject. The fundamentals of descriptive structural geology will be covered, followed by more advanced concepts leading to the Coulomb-Mohr criterion for rock failure and the analysis of rock deformation by means of finite homogeneous strain theory. Prerequisites: Analytical geometry and calculus. (2-3)

Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
571	Tectonics (3 semester hours) Helsley Major structural features of the earth, their origin and history as related to continental drift, sea floor spreading, and the properties of the interior. (3-0)
572	Regional Geology of North America (3 semester hours) Urban Historical development of the North American Continent. (3-0)
573	Regional Geology (excluding North America) (3 semester hours) Scholle, Helsley, Manton, Halpern, Pessagno Examination of the stratigraphy and tectonics of selected areas in central Europe, the Caribbean, Africa, South America and Antarctic and their relation to a global tectonic framework. (3-0)
574	Petroleum Geology (3 semester hours) Scholle, Mitterer, Urban, Outside Lecturers A practical course in petroleum exploration. Porosity and permeability as related to lithology, stratigraphic and structural trapping, regional trends, the origin of oil, log interpretation, geophysical exploration and hydrodynamics of fluid flow will be emphasized. (3-0)
670	Advanced Structural Geology (3 semester hours) Helsley Mechanics of materials, development of rock fabrics, development of basins and mountain systems with particular emphasis on those of the North American Continent. (3-0)
671	Marine Geology (3 semester hours) Scholle The water masses and circulation of oceans will be related to oceanic chemistry as well as processes and patterns of sediment deposition. The emphasis will be on oceanic sediments but outer shelf and slope deposition will also be discussed. Geophysical and deep-sea drilling results will be used to outline the rates of deposition and thicknesses of sediments in various basins. (3-0)
679	Seminar in Tectonics (3 semester hours) Helsley Discussions of selected topics involved in the formation of major features of the earth, such as sea-floor spreading, plate tectonics, development of island arcs, and deformation of mountain systems. (3-0)
970	Research in Structural Geology-Tectonics (1-12 semester hours) Helsley (May be repeated for credit).

Geological Sciences (continued)

General Geophysics

<u>Course</u>	<u>Description</u>
580	Applied Geophysics I (3 semester hours) Landisman Techniques and interpretation of seismic, gravitational, magnetic, and electric prospecting methods as applied to exploration of the crust. (3-0)
581	Paleomagnetism (3 semester hours) Helsley Magnetic properties of rocks; their measurements and analysis; past behavior of the earth's magnetic field and its relation to continental drift and global tectonics. (3-0)
582	Potential Methods in Geophysics (3 semester hours) Potential theory, emphasizing application to geophysical problems, such as gravity, magnetics, and heat flow. (3-0)
583	Instrumental Techniques in Geophysics (4 semester hours) A discussion of the instruments commonly used in investigating the interior of the earth. (2-6)
584	Digital Methods Used in Geophysics (3 semester hours) Visiting Lecturers Fourier series and transform analysis of time series. (3-0)
680	Applied Geophysics II (3 semester hours) Landisman Continuation of topics in Applied Geophysics I. (Permission of instructor required.) (3-0)
681	Geophysical Implications of Plate Tectonics (2 semester hours) Landisman Survey of some of the important geophysical consequences of plate tectonics. Case studies of several geographical regions, and of a variety of geophysical subjects will be used as illustrative material. (2-0)
682	Terrestrial Magnetism & Geoelectricity (3 semester hours) Staff Studies of the main magnetic field of the earth; secular variation; external magnetic field; electromagnetic induction and conductivity in the earth. (3-0)
687	Seminar in Rock Magnetism (3 semester hours) (3-0) Helsley
688	Seminar in Electromagnetic Sounding (3 semester hours) Landisman
689	Seminar in Paleomagnetism (3 semester hours) Helsley Current topics in paleomagnetism and their relation to geology and geophysical applications. (3-0)
980	Research in Geophysics (1-12 semester hours) Staff (May be repeated for credit).

Geological Sciences (continued)

Seismology

<u>Course</u>	<u>Description</u>
590	Seismology (3 semester hours) An introductory course in seismology. Analysis of stress and strain; the wave equation; plane and spherical waves; surface waves; seismicity; earthquake mechanisms. (3-0)
692	Physics of the Interior of the Earth I (3 semester hours) Seismic studies of the crust, mantle, and core; physical and mechanical properties of the interior; thermal history of the earth and the mechanics of tectonics and orogenic processes. (3-0)
693	Physics of the Interior of the Earth II (3 semester hours) Continuation of 692. (3-0)
695	Theoretical Seismology I (3 semester hours) Landisman Background of elastic wave theory. Mathematical and physical basis, fundamental concepts. Must be taken concurrently with 697. Permission of instructor required. (3-0)
696	Theoretical Seismology II (3 semester hours) Landisman Continuation of theoretical basis for elastic wave propagation, dispersion, generation, and attenuation. Must be taken concurrently with 698. Prerequisites: 695 and 697. (3-0)
697	Seismological Literature I (3 semester hours) Landisman Study of selected references illustrating important ideas related to the propagation, dispersion, generation and attenuation of elastic disturbances. Must be taken concurrently with 695. Permission of instructor required. (3-0)
698	Seismological Literature II (3 semester hours) Landisman Continuation of study of selected references illustrating important concepts of elastic waves. Must be taken concurrently with 696. Prerequisites: 695 and 697. (3-0)
699	Seminar in Seismology (3 semester hours) Staff Discussion and review of literature on selected topics in seismology. (3-0)
990	Research in Seismology (1-12 semester hours) Staff (May be repeated for credit).
908	Thesis (3 semester hours) (May be repeated for credit). (0-9)
909	Dissertation (3 semester hours) (May be repeated for credit). (0-9)

GRADUATE PROGRAM IN MANAGEMENT AND
ADMINISTRATIVE SCIENCES

(M.S.)

PROFESSORS: R. P. Lutz (Head), L. H. Smith, H. F. Van Zandt

OBJECTIVES

Successful management and administrative "problem solvers" must: (1) have a good foundation applicable to management and administration; (2) know the theory and use of the applied sciences relevant to management and administration; (3) possess a keen understanding of the basic functions involved in management and administration; (4) employ an innovative ability to accomplish administrative goals and objectives.

PROGRAMS

Prerequisites will be set so that an individual entering the program not only will be well grounded, but also will possess an ability to read rapidly and comprehend effectively as well as have a good capability in English grammar and composition.

The student will be (1) rigorously grounded, (2) application-oriented but theoretically capable, and (3) motivated toward and capable of "problem solving".

Beginning with these prerequisites, an individual specializing in:

A. Management Sciences and Management Information Systems will progress through a program which has three basic premises: (1) Mathematical and related concepts (both theory and applications) must be emphasized in classroom activities; (2) basic management and administrative concepts and relevant behavioral concepts can be mastered with minimal classroom exposure, augmented by well-structured integrated reading seminars; and (3) integration of all theory, concepts and appropriate applications can be achieved in various specializations (e.g. information science, data management, management in education, management and administration, management of financial institutions, planning of management systems, and management for transportation) through appropriately selected seminars in management systems (which emphasize innovative and creative applications of statistics, operations research, and computer sciences).

B. International Management will progress through a program that will teach world wide business methods and practices, and business in a geographical area of specific interest.

DEGREE REQUIREMENTS

For general degree requirements, see "Procedures and Requirements for Graduate Degree Candidates," page D-38.

Specific degree requirements for students in:

A. Management Sciences and Management Information Systems include prerequisite knowledge equivalent to the material in courses 511, 512, 521. Competence is also assumed in courses 611, 631, 651, prior to entering the program; however, one of these courses may be counted as an elective in the student's plan of studies.

B. International Management includes a broad prerequisite knowledge of world geography.

Management and Administrative Sciences (continued)

The Master's Degree in Management and Administrative Sciences will be earned through completing either of the 36-hour programs shown below and earning a satisfactory grade on the written and oral examination taken during the last semester of registration.

A. Management Sciences and Management Information Systems

Area	Semester		
	1	2	3
Quantitative Management Science	612	613	
Accounting			632
Finance	641	642	
Management Systems	652		653
Behavioral Management Science	661	662	
Readings in Management		671	(6-Hours Elective)

B. International Management

Area	Semester		
	1	2	3
International Business- Exporting & Importing	598	599	
International Business- Technical Licensing and Management	590	591	
International Business- China		696	
International Business- Japan	697		
International Business- Introduction to International Finance and Monetary Systems	796	(3-Hours Elective)	(12-Hours Elective)

Note: Any of the courses in Management Sciences and Management Information Systems are acceptable as electives in International Management, as well, of course, as others listed under International Management.

Management and Administrative Science Courses

A. Management Sciences and Management Information Systems

<u>Course</u>	<u>Description</u>
509	Special Topics/TAGER (3 semester hours) (3-0)
511	Mathematics for Management Sciences I (3 semester hours) Elementary mathematics including basic elements of differential and integral calculus and relevant topics from advanced calculus with specific applications in management and administrative sciences. (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
512	Mathematics for Management Sciences II (3 semester hours) Elementary mathematics including linear and matrix algebra and relevant topics from difference and differential equations with specific application in management and administrative sciences. (3-0)
551	Algorithmic Processes (was 521) (3 semester hours) An introduction to algorithmic processes and computer sciences. Special attention is given to utilizing the FORTRAN programming language in management science applications. (3-0)
611	Quantitative Management Sciences I (3 semester hours) An introduction to the basic theory and application of statistics in management and business. Topics include: frequency distributions, probability theory, basic probability distributions, estimation, testing hypotheses. Prerequisite: MAS 511, 512. (3-0)
612	Quantitative Management Sciences II (3 semester hours) A quantitative introduction to basic techniques in operations research, including the basic fundamentals of: modeling, linear programming, duality and post-optimality analysis, PERT-CPM. Transportation problem, network models, game theory, dynamic programming and inventory models. Prerequisite: MAS 551, 611, or permission from instructor. (3-0)
613	Quantitative Management Sciences III (3 semester hours) A continuation of MAS 612. New topics include: queueing theory, matrix form of linear programming, integer programming, parametric programming, Markov chains, and classical optimization techniques. Prerequisite: MAS 612 or permission from instructor. (3-0)
614	Non-Linear Programming (3 semester hours) Methods and models of unconstrained optimization problems. Methods and models of constrained optimization including Kunn-Tucker Theorem, quadratic programming, non-linear programming algorithms, geometric programming. Application and available computer codes will be presented and discussed. Prerequisite: 613. (3-0)
615	Integer Programming (3 semester hours) Modeling potential of integer programming; discontinuities; discrete variables; disjunctive and conditional constraints; non-convex separable functions. Special structures: matching, covering, set covering; the traveling salesman problem. Cutting planes: fractional and all-integer cuts. Branch and bound, implicit enumeration methods. Duality, partitioning. Applications: capital budgeting, truck or tanker routing, crew scheduling, plant and warehouse location, cutting stock, machine sequencing. Asymptotic integer programming (the group theoretic approach). Intersection cuts. Review of computer codes. Prerequisite: 613 (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
616	Network Flows (3 semester hours) Flow problems on networks. Maximum flow minimum cut theorem. Labelling algorithm. Circulation and feasibility theorems. Sensitivity analysis. Incidence matrices. Shortest routes. Minimum cost flows, out-of-kilter algorithm. Critical path networks, project cost curves. Multicommodity flow problem biflows. Matching problems in graph theory. Prerequisite: 613 (3-0)
620	Stochastic Systems (3 semester hours) Markov chains, Poisson processes, birth and death processes, and renewal theory. Wide variety of application in queueing theory. Prerequisite: 612 (3-0)
621	Forecasting Techniques (3 semester hours) Introduction to the development and use of forecasting models. Discussion of sources of data, sampling intervals, time series models, correlation, smoothing techniques and error measurement and analysis. Prerequisite: 611 (3-0)
631	Accounting I (3 semester hours) Basic managerial, and cost accounting with statistical and operations research applications. Institutions of interest will not be restricted to business and industrial firms. (3-0)
632	Accounting II (3 semester hours) Role of accounting information in the process of management decision-making and control in profit-seeking and non-profit seeking organizations. Emphasis is placed on relating recent advances in the quantitative and behavioral sciences to the role of accounting as well as examining the independent audit functions as they relate to computerized data processing. Prerequisite: 631 or equivalent (3-0)
641	Finance I (3 semester hours) Theoretical and procedural considerations in the administration of the finance function in the individual business firm: planning, fund raising, controlling of firm finances; specific emphasis is given to working capital management, capital budgeting and cost of capital. (3-0)
642	Finance II (3 semester hours) Fluctuations and growth of economic activity in a modern complex society. Measurement and determinants of national income; nature and role of money and interest rates; inflation, fiscal and monetary policies designed to promote stability and progress. Participation in forecasting short-run GNP. Fundamental economic principles underlying the organization of modern business. Market structures; concepts of demand and revenues; costs of production in both the short- and long-run; concepts of supply; and product diversification. (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
651	Management Systems I (3 semester hours) An introduction of computer data processing, including: societal impact of computers, data representation, fundamentals of data processing, basic architecture of computers, fundamentals of software, management of data processing, and economic evaluation of computer applications. Students will program applications in high-level languages. Prerequisites: MAS 551, or permission from instructor. (3-0)
652	Management Systems II (3 semester hours) A study of the basic technology and techniques that are utilized in the development of management information systems, including: data base management systems, information structures, information organization and retrieval, simulation, cybernetics, and systems theory. Students will program in higher-level languages. Prerequisites: MAS 651, or permission from instructor. (3-0)
653	Management Systems III (3 semester hours) The study of the design, analysis, and development of computer-based management systems. Case studies utilizing computer data processing, statistics, operations research, economic analysis, and other relevant quantitative techniques. Prerequisite: MAS 652, 612, 631, 641. (3-0)
661	Behavioral Management Science I (3 semester hours) Introduction to behavioral science, including organization theory and human motivation and behavior. (3-0)
662	Behavioral Management Science II (3 semester hours) The analysis of the human's role in systems. Utilizes basic experimental data from the areas of Physiology, sensation and perception, motor performance, and cognition as the basis for the design and evaluation of complex integrated systems. (3-0)
663	Human Factors in Systems Design I (3 semester hours) Topics in human performance, with emphasis on the development and application of concepts within specific operating environments. Topics such as definition of muscle fatigue and recovery functions, performance functions under image magnification, tool design criteria, and paced and unpaced decision functions. Prerequisite: 662 (3-0)
664	Human Factors in System Design II (3 semester hours) The application of human performance research to the optimization of man-machine systems. Design of commonly used prediction and training systems under random and constant demands, learning functions, the statistical distributions of the population concerning manual skills, and methods of evaluating human capabilities and attitudes. In addition limitations of the human body in coping with stressful situations. Concepts to be included are: skeletal muscle physiology and mechanics, skeletal articulation and mechanics, circulatory and pulmonary system function and limitations, and nervous system control and limitations. Prerequisite: 663 (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
671	Readings in Management I (3 semester hours) Integrated reading seminar in marketing, production, value theory, sociology, psychology, computers in society, organization, decision-making, management-policy, communication and other topics. (3-0)
672	Readings in Management II (3 semester hours) An integrated reading seminar involving in-depth reading in various type business and public institutions, social problems, and the interactions between the two sets of information. May be repeated for credit). (3-0)
675	Industrial Property (3 semester hours) Legal aspects of patents, trademarks, trade secrets, and proprietary data and the relationship to business. (3-0)
713	Production Planning and Control (3 semester hours) Analysis of the manufacturing organization as a production system. Emphasis placed on forecasting, inventory and production control. Analytical tools such as critical path scheduling, operations research techniques, and computers are considered. Prerequisite: 621 (3-0)
725	Operations Research Techniques for Environmental Quality (3 semester hours) Applications of operations research techniques to problems of environmental quality. Critical review of current literature. Prerequisite: 613 (3-0)
751	Systems Simulation (3 semester hours) Discrete simulation models and comparison of discrete change simulation languages. Simulation methodology including generation of random numbers and variates, design of simulation experiments of, optimization, analysis of data generated by simulation experiments, and validation of simulation models and results. Selected applications of simulation. Prerequisite: 652 (3-0)
753	Project Management (3 semester hours) Provides insight into present theories concerning the administration and control of research and business organizations. Decision criteria, conflict resolution, status systems, concepts of organization communications, efficiency criteria, wage concepts, problems of change and aspects of motivation are presented and discussed as well as techniques such as CPM, PERT, GERT. Prerequisites: 612, 652 (3-0)
755	Simulation of Management Systems for Environmental Evaluation (3 semester hours) Applications of simulation languages and methodologies to problems of environment. Analysis of data generated by simulation models and validation of models and results. (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
763	Motivation and Leadership (3 semester hours) Systematic insights into individual motivation and group leadership processes. Intrapersonal, intragroup and environmental factors affecting the motivation of group members and the emergence of group leaders. Determining the effectiveness of various leadership styles will also be considered. Reviewed will be the works of authors such as Maslow, Herzberg, McGregor, Likert, Fielder, Stogdill, Bowers, Seashore and so on. (3-0)
764	Seminar on the Rural-Urban Interface (3 semester hours) The process and problems of urban development in the perspective of law, social and mathematical sciences. (3-0)
767	Land Use and Resource Management (3 semester hours) Seminar on selected topics in optimal land use models and the environmental and economic trade-offs necessary for effective management. (3-0)
768	Economic Planning of the Public Sector (3 semester hours) Presents a variety of applications of operations research techniques in the areas of economics, environmental engineering and urban planning. Several quantitative models are examined and the advantage of limitations of each are investigated from a methodological and practical viewpoint. (3-0)
769	Urban, Regional and Social Problems in Environmental Design (3 semester hours) Theory of economic discrimination, racial composition of employment and unemployment, discrimination in housing and their environmental interface. Topics also include rural poverty, transportation and tax proposals. (3-0)
784	Problems in Environmental Health, Sanitation and Community Planning (3 semester hours) Seminar on the relationship of environmental health to sanitation and community planning. Qualitative and quantitative models will be evaluated. (3-0)
880	Colloquium In Management and Administrative Sciences (1 semester hour) (S-U Grading) (May be repeated for credit). (1-0)
881	Reading in Management and Administrative Sciences (3 to 6 semester hours) Investigation into the literature of topical areas of management and administration. (1-9) (1-18) A. Management Science B. Management Information Systems C. Behavioral Management Science D. Business Systems: Distribution E. Business Systems: Financial F. Business Systems: Manufacturing G. Criminal Justice Systems H. Educational Management Systems I. Health Care Systems J. Library Systems K. Regional Planning

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
885	Seminar in Management and Administrative Sciences (3 semester hours) Discussion of selected concepts and theories in management and administration. (May be repeated for credit) (3-0) A. Management Science B. Management Information Systems C. Behavioral Management Science D. Business Systems: Distributional E. Business Systems: Financial F. Business Systems: Manufacturing G. Criminal Justice Systems H. Educational Management Systems I. Health Care Systems J. Library Systems K. Regional Planning
899	Special Topics in Management and Administrative Sciences (3 semester hours) A. Management Science B. Management Information Systems C. Behavioral Management Science D. Business Systems: Distributional E. Business Systems: Financial F. Business Systems: Manufacturing G. Criminal Justice Systems H. Educational Management Systems I. Health Care Systems J. Library Systems K. Regional Planning
901	Research in Management and Administrative Sciences (1-12 semester hours) A. Management Science B. Management Information Systems C. Behavioral Management Science D. Business Systems: Distributional E. Business Systems: Financial F. Business Systems: Manufacturing G. Criminal Justice Systems H. Educational Management Systems I. Health Care Systems J. Library Systems K. Regional Planning B. International Management
<u>Course</u>	<u>Description</u>
590	Technical Licensing and Management I (3 semester hours) Licensing of technology; management of branch offices, joint ventures and subsidiaries; recruitment and training for service overseas and in back up positions in the home office; international transfer of management skills; communications. (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
591	Technical Licensing and Management II (3 semester hours) Continuation of 590. (3-0)
592	East Asia and Oceania I (3 semester hours) Flow of trade and investments between the U.S. and the countries in the area, cooperative efforts in developing countries, cooperative efforts in communist nations, tourism, air and sea transportation. (3-0)
593	East Asia and Oceania II (3 semester hours) Continuation of 592 (3-0)
596	Comparative Management Methods and Cross Cultural Behavior I (3 semester hours) International employment practices, training, decision-making techniques, commercial law, competitiveness, loyalties, work ethic, productivity, research and development, preferred industries, plans for 1970's and 1980's, politico-government-business cooperation, adaptation of management methods to foreign situations. (3-0)
597	Comparative Management Methods and Cross Cultural Behavior II (3 semester hours) Continuation of 596. (3-0)
598	Exporting and Importing I (3 semester hours) Tariffs, quotas, non-tariff barriers, OECD, GATT, European Common Market, rebates, free trade zones, drawbacks, insurance, export support problems, most favored nation treaties, exporting and marketing abroad. (3-0)
599	Exporting and Importing II (3 semester hours) Continuation of 598 (3-0)
690	Commercial Geography of Oceania (3 semester hours) Political, economic, ecological, and social elements in the geography of the region; resources; exploitation of the sea bed; off-shore oil exploitation; pollution; racial and cultural regions. (3-0)
691	Commercial Geography of East Asia (3 semester hours) Political, economic, ecological and social elements in geography of region; boundary disputes; resources, exploitation of off-shore petroleum reservoirs; ocean floor mining; pollution; racial and cultural regions. (3-0)
693	Psychology of Races in East Asia (3 semester hours) Anglo-Saxon, Pacific Islander, Japanese, Chinese, Russian, Southeast Asian, etc. characteristic behavior. Xenophobia. Work ethic. (3-0)
696	China (3 semester hours) Industry, agriculture, fisheries, mining, forestry, climate, races, population problems, commerce, government, politics, overseas Chinese, foreign economic relations. (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
697	Japan (3 semester hours) Industry, agriculture, fisheries, mining, forestry, population problems, commerce, government, politics, foreign economic relations (3-0)
796	Introduction to International Finance and Monetary Systems (3 semester hours) Foreign exchange, monetary reserves, gold reserves, floats, upvaluations, devaluations, problem of surplus dollars, problem of unconvertibility, Eurodollars, quotations in international currencies. (3-0)
797	Problems in International Management Using Case Study Methods (3 semester hours) Specific experiences of American, European, and other companies in management overseas. (3-0)
798	The Role of the Multinational Corporation in World Trade (3 semester hours) American, European and Japanese multinational corporations compared. Problems over movement of capital abroad. Take-overs vs. establishing new subsidiaries. Political relationships. Effect of world commerce. (3-0)
799	International Banking (3 semester hours) The World Bank, various export-import banks, The Asian Development Bank; public and private international banks; representative offices. (3-0)
791	United States and Japan Commercial Relations since the 1790's (3 semester hours) Pre-Perry contacts; Perry 1853-1854; first U.S. merchants in 1850's; Meiji and Taisho eras; events leading to World War II; Allied Occupation; trade imbalances; forecasts for the future. (3-0)
792	United States and China Commercial Relations since the 1780's (3 semester hours) First contacts via the northwest coast of America; trade through Canton and Macao; opening of Hong Kong and Shanghai; open door policy; World War II, anti-communist philosophy in the United States; detente; revival of relations. (3-0)
793	World Politics (3 semester hours) International actors; international and domestic environments of foreign policy; global and regional patterns; general characteristics of foreign policy; the overwhelming influence of business upon international political behavior; readings and discussion of recent and older works of theoretical significance, both empirical and normative. (3-0)

Management and Administrative Sciences (continued)

<u>Course</u>	<u>Description</u>
790	International Law (3 semester hours) The evolution of international justice; off-shore mineral rights; international patent and copyright protection; law of the sea; treaties to avoid double taxation; international commercial arbitration; problems of hijacking; narcotics smuggling; terrorism; Interpol; extradition agreements. (3-0)
890	Commercial Japanese Language I (3 semester hours) Oral and written Japanese, business vocabulary. (3-0)
891	Commercial Japanese Language II (3 semester hours) Continuation of 890. (3-0)
990	Special Topics in International Business (3 semester hours) (May be repeated for credit) (3-0)
992	Readings in International Business (3 semester hours) Directed reading in areas of specific interest. (May be repeated for credit). (0-9)

GRADUATE PROGRAM IN MATHEMATICAL SCIENCES

(M.S., M.A.T.)

PROFESSORS: P. L. Odell, I. Ozvath, W. A. Rindler, I. Robinson

ASSOCIATE PROFESSOR: J. W. Van Ness (Head)

OBJECTIVES

The need for applied mathematics is constantly growing as other sciences mature; problems which require its use are numerous and pressing, and its practitioners are eagerly employed. For some years to come, The University of Texas at Dallas mathematics program will concentrate on applied mathematics, beginning with a Master's program. The range of courses offered initially will cover a minimal but basic and respectable field; statistics, computer science, and applied analysis (differential equations, numerical methods, etc.). This could lead to careers in any of these three fields, but it could also lead to work in physics, environmental sciences, management science, and so on. The aim will be to turn out thoroughly modern applied mathematicians, i.e., those conversant with, and not hostile to, the powerful language and concepts of basic modern pure mathematics.

PROGRAMS

In view of the above facts, The University of Texas at Dallas does not propose to establish separate graduate programs in applied mathematics, pure mathematics, computer science, and statistics. Rather, it proposes a single program, essentially in applied mathematics, with options whereby the student may pursue special interests in applied mathematics, computer science, statistics, or operations research. This is not to say that courses (and eventually options) in pure mathematics will not be available, for such courses provide essential theoretical training for any mathematician, regardless of his particular goals. The present program will train the student in the use of the tools of the mathematical sciences to solve problems in the other sciences (physics, biology, chemistry, geology, economics, environmental sciences) as well as in the management, administrative, and social sciences.

FACILITIES

Students in Mathematical Sciences will be encouraged to interact in the ongoing research efforts of those in the hard sciences, as well as those in Management and Administrative Sciences. In addition, they will initiate their own research activities. Presently, The University of Texas at Dallas Computer Center is built around an IBM 360/50 and a wide range of peripheral equipment. The University of Texas (North Central Texas) Regional Computer Center is operational, offering additional facilities to graduate students in Mathematical Sciences.

SPECIFIC DEGREE REQUIREMENTS

For general degree requirements, see "Procedures and Requirements for Graduate Degree Candidates", page D-38. Specific degree requirements for students in Mathematical Sciences are as follows. The student entering the Mathematical Sciences Program must have undergraduate preparation equivalent to a baccalaureate degree in a quantitative science such as mathematics, physics, engineering, etc. The student entering the MAT program must have undergraduate preparation equivalent to that described in the previous sentence or a teaching field in mathematics. At the discretion of the Program Head, a diagnostic preliminary examination may be required. In order to earn the Master's Degree in Mathematical Sciences, a student must complete one of the options described below:

Mathematical Sciences (continued)

Option I A 36 hour plan leading to the degree of Master of Science. The option involved 30 hours of course work and the completion of a master's thesis (the student must be registered in a thesis course during the period in which he is writing the thesis). Of the 30 hours of course work, 24 must be in mathematical science and must include at least 9 hours in one of the following sets of courses:

Core and Applied Mathematics

513, 514, 515, 516, 517, 518, or 613, 614, 615, 616

Computer Sciences

621, 622, 623, 624, 625; or

Statistics

631, 632, 633, 634, 635, 636

The student may take up to 6 hours in an approved area outside of Mathematical Sciences.

Option II A 36 hour plan leading to the degree of Master of Science. The option involves 33 hours of course work and 3 hours of applied problem solving leading to a written report (Mathematical Sciences 901). Of the 33 hours of course work, 27 must be in mathematical sciences and must include at least 9 hours in each of two of the following sets of courses.

Core and Applied Mathematics

513, 514, 515, 516, 517, 518, 613, 614, 615, 616

Computer Sciences

621, 622, 623, 624, 625; or,

Statistics

631, 632, 633, 634, 635, 636

The student may take up to 6 hours in an approved area outside of mathematical sciences. A presentation of the report and a final comprehensive examination is required.

Option III A 36 hour plan leading to the degree of Master of Arts in Teaching. The option is designed for persons who are teaching (or plan to teach) mathematics and/or mathematical sciences at the pre-college or college level. The plan involves 30 hours of mathematical sciences and 6 hours in professional education to be distributed as follows:

18 hours of MAT Core: 513, 519, 541, 542; 641, 642;

12 hours of electives in Mathematical Sciences (approved by the Graduate Advisor.)

6 hours of professional education: 561, 562

Mathematical Sciences (continued)

Mathematical Sciences Courses

<u>Course</u>	<u>Description</u>
509	Special Topics/TAGER (3 semester hours) (3-0)
511	Basic Applied Mathematics I (3 semester hours) An introduction to elementary algebra including matrices, determinants, and vector spaces. (3-0)
512	Basic Applied Mathematics II (3 semester hours) Introduction to complex variables including analytic functions, conformal mappings, contour integrals and the theory of residues. (3-0)
513	Modern Algebra I (3 semester hours) Study of modern algebra involving groups, rings, and fields. (3-0)
514	Modern Algebra II (3 semester hours) Continuation of 513. (3-0)
515	Modern Analysis I (3 semester hours) Introduction to modern analysis involving formal set theory, elementary topology and Lebesgue theory. (3-0)
516	Modern Analysis II (3 semester hours) Continuation of 515. (3-0)
517	Mathematical Methods of Physics I (4 semester hours) Solution of ordinary differential equations by power series, analytic approximation, WKB method, and numerical integration; classification and numerical integration of partial differential equations, solution by separation of variables; eigenfunctions; Legendre functions and spherical harmonics; Bessel functions; Green's functions; Vectors and Matrices; Probability and statistics. (Previous exposure to most of the topics is assumed.) (Same as Physics 501.) (4-0)
518	Mathematical Methods of Physics II (4 semester hours) Infinite series, summation and transformation; contour and saddle point integration; integral transforms; Hypergeometric, Mathieu, and Elliptic functions; perturbation theory; integral equations; calculus of variations; tensor analysis; group representations. (Normally follows 501.) (Same as Physics 502.) (4-0)
519	Linear Algebra Linear transformations and matrices, solutions of linear equations, consideration of Eigen-value problems, solutions of quadratic-form problems, and applications to physical, social, behavioral, and biological sciences. (3-0)

Mathematical Sciences (continued)

<u>Course</u>	<u>Description</u>
541	Analysis for Teachers I The theory of calculus, including topics on sets; functions, partial derivatives, power series, theory of integration, line, surface, and multiple integrals. (Option III candidates only). (3-0)
542	Analysis for Teachers II Prerequisite: Mathematical Sciences 541. Continuation of 541. (Option III candidates only). (3-0)
561	Seminar in the Teaching of Mathematics Selection and analysis of mathematics concepts from such fields as set theory, linear algebra, geometry, and probability. Development of varied learning experiences productive of students' understanding of these and other concepts. (3-0)
562	Seminar in Education and Psychology of Learning Topics vary. Suggested topics: systematic approach to instruction, human variability and classroom learning, goal setting and measurable achievement, learning theory, and the role of the teacher. (3-0)
613	Numerical Methods I (3 semester hours) A study of numerical methods including interpolation and integration, numerical solutions of algebraic and transcendental equations, of ordinary and partial differential equations, and of matrix inversions. (3-0)
614	Numerical Methods II (3 semester hours) Continuation of 613. (3-0)
615	Differential Equations I (3 semester hours) The theory of differential equations with emphasis on modern methods of solution. (3-0)
616	Differential Equations II (3 semester hours) Continuation of 615. (3-0)
621	Computer Science I (3 semester hours) The theory of computer science, computers, and algorithmic processes. (3-0)
622	Computer Science II (3 semester hours) Continuation of 621. (3-0)
623	Computer Languages I (3 semester hours) A study of machine languages and various programming languages. (3-0)
624	Computer Languages II (3 semester hours) Continuation of 623. (3-0)
625	Advanced Computer Science (3 semester hours) Advanced topics in computer science. (3-0)
631	Statistical Inference I (3 semester hours) Introduction to Statistical Inference. (3-0)

Mathematical Sciences (continued)

<u>Course</u>	<u>Description</u>
632	Statistical Inference II (3 semester hours) Intermediate Statistical Inference. (3-0)
633	Experimental Design I (3 semester hours) Introduction to Experimental Design. (3-0)
634	Experimental Design II (3 semester hours) Intermediate studies in Experimental Design. (3-0)
635	Sampling I (3 semester hours) Introduction to sampling theory and techniques. (3-0)
636	Sampling II (3 semester hours) Intermediate study in sampling and sampling techniques. (3-0)
641	College Geometry I (3 semester hours) Directed segments and angles, similitude inversion, geometry of triangles, quadrilaterals and circles, fundamental of projective geometry treated synthetically. (3-0)
642	College Geometry II Prerequisite 641. Continuation of 641. (3-0)
901	Seminar in Advanced Problems (3 semester hours) A course designed to provide the student an opportunity to perform creative mathematics or scholarly historical exposition. Student is expected to submit and defend a report on completion of the course. (3-0)
908	Thesis (3 semester hours) (May be repeated for credit). (0-12)

GRADUATE PROGRAM IN MOLECULAR BIOLOGY

(M.S., Ph.D.)

PROFESSORS: H. Bremer, R. C. Clowes (Head), W. Harm, D. L. Harris,
J. Jagger, D. A. Lang, D. J. McCorquodale, C. S. Rupert

ASSOCIATE PROFESSORS: E. W. Guttus, H. Gutz, M. H. Patrick, H. Werbin

ASSISTANT PROFESSORS: R. G. Cutler, D. M. Gray, J. Kemper

OBJECTIVES

The Master of Science degree provides students with the fundamentals of the molecular approach to biological problems and with an introduction to the methodology of research in this area. The Doctor of Philosophy degree is designed for students who show originality in research; it prepares them for research positions in governmental and industrial laboratories, and for academic careers.

PROGRAMS

First-year students will normally complete a body of Core Courses that emphasize fundamental aspects of quantitative biology, biological chemistry, physical chemistry of macromolecules, molecular genetics, and cell physiology. Students may then proceed to advanced course work in any of the four general areas of Biological Chemistry, Genetics, Biophysics, and Cell Physiology. All elective courses are open to any student qualified to take them, but it is expected that students will specialize in one of these four areas.

Research may be undertaken on problems related to enzymes of nucleic-acid and protein metabolism; structure and physical chemistry of polynucleotides, nucleic acids, and viruses; structure and function of genetic elements, gene function in viruses and microorganisms; the mechanism of recombination; the cell cycle of eukaryotes; sexual cycle in yeast; molecular aspects of aging, radiation biology, and ultraviolet photochemistry and photobiology.

FACILITIES:

Major equipment in present use by faculty and available for the teaching and research of graduate students includes: a Siemens electron microscope facility; Spinco Model E analytical ultracentrifuge; eight Spinco preparative centrifuges; Joyce-Loebl microdensitometer; Hewlett-Packard desk computer; two Coulter counters; a variety of electrophoresis units; Beckman amino-acid analyzer; 200-liter and 10-liter fermentors; Harvey biological material oxidizer; batch lyophilizer; 150-kilovolt X-ray machine; several planchet counters; five scintillation counters; gas chromatograph; Coleman flame photometer; four micromanipulators; two B&L ultraviolet grating monochromators; and many spectrophotometers (Gilford, Zeiss PMQ, Cary recording, Perkin-Elmer infrared, Perkin-Elmer recording spectrofluorimeter, Aminco-Chance duochromator, and Bonet-Maury biospectrophotometer). A Cary Model 61 circular dichrometer interfaced with a computer is available for circular dichroism studies. A nuclear-magnetic-resonance facility is available in the building.

Centralized and shared facilities include: a darkroom, balance room, cold working laboratory, three constant-temperature rooms, three rooms housing special equipment such as spectrophotometers and scintillation counters, a chromatography room, an electrophoresis room, a media kitchen with several autoclaves and automatic washing machines, and a fully equipped workshop.

In addition to these specific facilities, a number of University general facilities are available to the student, such as the Computer Services Center (see "General Information").

PROCEDURES FOR DEGREE CANDIDATES

For full participation in the graduate program in Molecular Biology, the student should have a good background in calculus, general physics, physical and organic chemistry, and general biology, including genetics. Entering students not having this background should expect to take some additional course work in their first year or in the summer immediately preceding.

Upon satisfactory completion of the Core Courses and (for prospective Ph.D. candidates) the Preliminary Examination, the student will enter either an M.S. program or a Ph.D. program. A Supervising Professor will then be appointed for each student, based upon mutual agreement between student and faculty. Shortly thereafter, the Graduate Dean will appoint a Supervising Committee, with the Supervising Professor as chairman, which will help the student plan his elective course curriculum and will oversee his research and thesis or dissertation. The Supervising Committee will normally have three faculty members (for Ph.D. candidates, usually four members plus a member from an academic institution other than The University of Texas at Dallas).

Specific requirements for M.S. degree. Requirements for granting of the Master of Science degree include the general ones (see "Procedures and Requirements for Graduate Degree Candidates", page 33). Theses may reflect either laboratory or library research, or both; this will be determined by the student's Supervising Committee.

Specific requirements for Ph.D. degree. Requirements for granting of the Doctor of Philosophy degree include the general ones (see "Procedures and Requirements for Graduate Degree Candidates", page 33). Students seeking the Ph.D. in Molecular Biology are required to pass a written Preliminary Examination after the end of the second semester, at which time the Core Courses should have been completed. Approximately one year thereafter, the student will take an oral Qualifying Examination to determine his fitness to undertake dissertation research. A Dissertation Defense will be conducted after the dissertation has been written (see pages 35, 36).

Molecular Biology Courses

Core Curriculum

<u>Course</u>	<u>Description</u>
501	Introduction to Quantitative Biology (4 semester hours) Staff An introduction to the quantitative approaches used in modern molecular biology, biochemistry, and biophysics. The principal function of the course is to provide training in quantitative problem solving in biology. (Prerequisite: calculus.) (4-0).
510	Biological Chemistry (4 semester hours) Staff Chemistry and metabolism of cellular constituents: proteins, nucleic acids, carbohydrates, lipids, vitamins, and cofactors. (4-0).
520	Molecular Genetics (4 semester hours) Staff Molecular approach to structure, replication, mutation, and phenotypic expression of genetic material of viruses, prokaryotes, and eukaryotes. (4-0).

Molecular Biology Courses (continued)

<u>Course</u>	<u>Description</u>
530	Macromolecular Physical Chemistry (4 semester hours) Staff Analysis of the nature and properties of macromolecules; thermodynamics of macromolecular solutions, transport processes, interaction with electromagnetic radiations. (Prerequisite: 501 or equivalent.) (4-0).
540	Cell Physiology (4 semester hours) Staff Molecular organization and function of cells and subcellular organelles; membranes and transport processes; excitation and response; regulation of metabolism; chromosome structure. (4-0).
550	Methods in Molecular Biology-I (4 semester hours) Staff Individual laboratory instruction in biological, biophysical, and biochemical techniques. Supplementary lectures and demonstrations. (2-4).
551	Methods in Molecular Biology-II (5 semester hours) Staff Experiments in molecular biology. (May be repeated for credit). (2-6).

Collateral Courses

These courses may be taken by the student at any point in his graduate career.

Courses offered in other Graduate Programs of The University of Texas at Dallas, in particular those in computer techniques, may be taken for credit by the student in Molecular Biology with the approval of the Graduate Adviser and the course instructor. Some courses may be taken for credit at nearby universities, if similar approvals are obtained.

<u>Course</u>	<u>Description</u>
509	Special Topics/TAGER (3 semester hours) (3-0)
591	Science and Human Values (1 semester hour) Staff A series of informal discussions among faculty, students and invited speakers dealing with the impact of science on society, avenues for pursuing rational solutions to social problems, and the responsibility of the scientist. (1-0)
601	Scientific Writing (2 semester hours) Jagger Lectures and workshop on the principles of clear scientific exposition and the requirements for preparation of scientific papers for publication. Normally taken by students about to begin writing a thesis or dissertation. (2-0).

Advanced Study

Work is offered beyond the Core Curriculum in four major areas that parallel four of the lecture-type Core Courses. Each area provides elective courses, advanced colloquia, and dissertation opportunities.

General Electives are offered every year. Special Electives are offered on a systematic rotation over several years, permitting the student to select a course program appropriate to his specialty and interests.

Topics in Biological Chemistry

Bremer, Cutler, Gray, Gutz, Harris, McCorquodale, Patrick, Werbin

General Electives

<u>Course</u>	<u>Description</u>
611	Macromolecular Biosynthesis (4 semester hours) Mechanisms of DNA, RNA, and protein biosynthesis by viruses, bacteria, and eukaryotes. (4-0).
612	Regulation of Biosynthetic Pathways (4 semester hours) Mechanisms that regulate the output of various metabolic pathways- allostery, feedback inhibition, repression, enzyme half-life, etc. (4-0).
615	Enzymology (4 semester hours) The development of enzyme kinetics from basic principles; activation inhibition, cooperativity, pH, ionic strength, temperature effects; reaction mechanisms; prosthetic groups and active sites. (4-0).

Special Electives

<u>Course</u>	<u>Description</u>
613	Nucleic Acids (4 semester hours) Chemical and physical properties of nucleic acids and their constituent nucleotides, nucleosides, sugars, and bases. (2-4).
614	Proteins (4 semester hours) Chemical and physical properties of proteins; primary, secondary, tertiary, and quaternary structure, sequence analysis, chemical modification, purification methods, classification of proteins and enzymes, conformation of catalytic sites. (2-4).
616	Industrial Microbiology (4 semester hours) Typical and potential uses of microorganisms in industry; techniques for large-scale growth of microorganisms. (4-0).
617	Transcription of Bacteriophage Templates (4 semester hours) Purification and properties of bacterial RNA polymerase, methods for study of template binding. Reaction kinetics and chain elongation; DNA-RNA hybridization competition experiments, specificity of initiation and termination. Transcription patterns of various coliphages. (2-4).
618	Regulation of Phage Development (4 semester hours) Patterns of development of DNA and RNA phages including processes of phage adsorption and of transfer of phage DNA to host cells; effects of host cell metabolism; temporal expression of phage genes; phage morphogenesis and cell lysis. (2-4)
619	Colloquium in Biological Chemistry (2-5 semester hours)

Topics in Genetics

Bremer, Clowes, Cutler, Guttus, Gutz, Harm, Kemper, McCorquodale

General Electives

<u>Course</u>	<u>Description</u>
620	Molecular Genetics of Prokaryotes (4 semester hours) Discussion of classical experiments on the genetic code, DNA replication, genetic recombination, gene function and regulation in bacteria and bacterium-phage complexes. (4-0)
623	Molecular Genetics of Eukaryotes (4 semester hours) Molecular and quantitative approach to structure, replication, transcription and translation of genetic material of eukaryotic cells and their viruses. (4-0)
626	General Genetics of Eukaryotes (4 semester hours) Life cycles and Mendelian genetics of eukaryotes; mechanisms of recombination; mutations; chromosomal rearrangements; structure of chromosomes; regulation of gene activity; mitotic recombination; cytoplasmic inheritance; principles of population genetics. (4-0)
627	Bacterial and Phage Genetics (4 semester hours) Bacterial conjugation, sex factors and plasmids. Growth, physiology and recombination in virulent DNA phages. Genetics of RNA phages. Transformation and transfection, temperate phages, transduction and genetics of λ phage. Genetics of regulatory mechanisms. (4-0)
Special Electives	
621	Phage Genetics (4 semester hours) Phage recombination; lysogeny; mutation; regulation of phage development; correlations of genetic maps with physiological functions. (4-0)
622	Bacterial Genetics (4 semester hours) Recombination, mutation, and regulation in bacteria. (2-4)
624	Fungal Genetics (4 semester hours) Genetics of Ascomycetes and Basidiomycetes, including cytoplasmic inheritance, genetics of development. (2-4)
625	Extrachromosomal Factors (4 semester hours) Genetics, structure, replication and expression of bacterial plasmids; sex factors, colicin factors, infectious drug-resistance factors. (2-4)
628	Lysogeny and Transduction (4 semester hours) Control mechanisms in the lysogenic pathway; regulation of repression; integration, excision, release of repression. Specialized and generalized transduction. (2-4)
629	Colloquium in Genetics (2-5 semester hours)

Topics in Biophysics

Cutler, Gray, Harm, Jagger, Lang, Patrick, Rupert

General Electives

<u>Course</u>	<u>Description</u>
630	Instruments and Techniques of Molecular Biology (4 semester hours) Basic theory and applications of major instruments and techniques lectures and demonstrations. (4-0)
634	Radiation Biology (4 semester hours) Interactions of ionizing, ultraviolet, and visible radiations with matter, radioisotopes, biological effects, cellular repair of radiation damage; biological photoreceptors. (4-0)
Special Electives	
632	Electron Microscopy (4 semester hours) Theory and practice of electron microscopy, with emphasis on <u>in vitro</u> studies of macromolecules. (2-4)
633	Theoretical Biophysics (4 semester hours) Equilibrium and nonequilibrium thermodynamics; atomic and molecular spectroscopy; quantum biochemistry; excitation and bonding of organic molecules. (4-0)
635	Ultraviolet Photobiology (4 semester hours) Action of far-ultraviolet radiation on proteins, nucleic acids, and cells; cellular repair of far-ultraviolet damage; effects of near ultraviolet radiation on molecules and cells; photosensitization and photodynamic action; sunburn and skin cancer. (Prerequisite: 634.) (2-4)
636	Biophysics of Polymers (4 semester hours) Hydrostatic, hydrodynamic, and optical approaches to determination of structure and function of biologically important polymers. (2-4)
637	Repair of DNA Damage (4 semester hours) Mechanisms maintaining DNA integrity in cells; photoenzymatic, ex- cision, recombinational, and other processes, with their interactions. Genetic control of repair. Physiological consequences of unrepaired damage. (2-4)
638	Analysis of Instrumental Design (4 semester hours) Optical and electronic instruments; computer interfacing. (2-4)
639	Colloquium in Biophysics (2-5 semester hours)

Topics in Cell Physiology

Bremer, Cutler, Guttus, Gutz, Harris, Jagger

General Electives

642	Cellular Excitation and Response (4 semester hours) Membrane structure and dynamics; specific transport problems; bioelectric phenomena; excitation and conduction; synaptic trans- mission; trophic influences; secretion. (4-0)
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Molecular Biology Courses (continued)

<u>Course</u>	<u>Description</u>
644	Developmental Biology (4 semester hours) Cellular differentiation and specilization in protozoa and multi-cellular organisms; organelle synthesis and assembly; macromolecular synthesis and regulation in differentiating cells; differentiation in specific cells; multicellular morphogenesis. (4-0)
Special Electives	
641	Bioenergetics (4 semester hours) Ultrastructural and functional mechanisms for capture, storage, and transduction of energy for biosynthesis, transport, electrical and mechano-chemical activity; regulatory mechanisms; rhythmical phenomena. (4-0)
645	Cytopathology (4 semester hours) Genetic defects of cell structure and function; cellular responses to physical, chemical or biological stress; immune response; cell transformation; animal and plant viruses. (2-4)
646	Cellular Gerontology (4 semester hours) Molecular mechanisms of aging processes: descriptions, models, implications. (2-4)
647	The Cell Cycle (4 semester hours) Phenomena of cell growth and mitosis. Discussion of experiments dealing with factors involved in division control, as well as hypothetical models. (2-4)
648	Developmental Biology of Plants (4 semester hours) Growth and differentiation of single cells, organs, and whole plants; phytohormones; response of plants to external factors; phytochrome system; internal growth rhythms; movements. Molecular basis of developmental processes. (4-0)
649	Colloquium in Cell Physiology (2-5 semester hours)
General Courses	
691	Seminar in Molecular Biology (1 semester hour) (S-U grading)
692	Readings in Molecular Biology (3 to 6 semester hours)
693	Colloquium in Molecular Biology (1 semester hour) (S-U grading)
694	Papers in Molecular Biology (1 semester hour) (S-U grading)
695	Recent Trends in Molecular Biology (1 semester hour) (S-U grading)
696	New Research in Molecular Biology (1 to 3 semester hours)

Molecular Biology Courses (continued)

<u>Course</u>	<u>Description</u>
901	Research in Molecular Biology (1 to 12 semester hours)
908	Thesis (3 semester hours) (May be repeated for credit).
909	Dissertation (3 semester hours) (May be repeated for credit).

GRADUATE PROGRAM IN PHYSICS

(M.S., Ph.D.)

PROFESSORS: E. J. Fenyves, W. B. Hanson, W. J. Heikkila, F. S. Johnson,
P. Kusch, I. Ozsvath, D. Rapp, W. A. Rindler, I. Robinson

ASSOCIATE PROFESSORS: C. B. Collins (Head), J. H. Hoffman, J. E. Midgley,
B. A. Tinsley

ASSISTANT PROFESSORS: E. L. Breig, R. C. Chaney, A. J. Cunningham, S. M. Curry,
C. A. Parr

OBJECTIVES

The basic objective of the Graduate Program in Physics is to identify and develop individuals who will ultimately contribute in the most advanced and creative way to the pressing needs of a technologically dependent society. In pursuit of this objective the Master's Program seeks to provide a thorough grounding in the fundamentals of physics and in the techniques of research. The Doctoral Program proceeds from this point to build a capability of contributing in a significant way to the body of physical knowledge.

PROGRAMS

There are currently eight areas of research specialization in the Physics Program: Applied Physics and Instrumentation; Atmospheric and Space Physics; Atomic and Molecular Physics; Chemical Physics; Plasma Physics; Quantum Electronics; Relativity and Cosmology; and Solid State Physics. Both experimental and theoretical work is done in most of these areas, and it is expected that a student will gain familiarity with several of them in addition to specializing in a particular one.

FACILITIES

For atmospheric and space physics there are facilities for the design, fabrication and testing of such rocket and satellite-borne instrumentation as electron probes, mass spectrometers, and cosmic ray detectors. Experiments conceived and implemented here have been incorporated into many of the major NASA satellites and probes and into many smaller rocket and balloon flights. The faculty and students continue to participate in many major NASA rocket and satellite programs, including Apollo, Pioneer, ISIS, IMP, and OGO. A modular recoverable rocket probe designed and built entirely in-house provides rapid turnaround time for ionospheric experiments. Atmospheric optical emissions are studied at an affiliated mountain laboratory.

In atomic and molecular physics there exist both pulsed and flowing afterglow systems with visible and ultraviolet tandem double monochromators, a vacuum ultraviolet spectrometer and a microwave interferometer available for diagnostics. An H-P 2116A on-line instrumentation computer is available for rapid data acquisition and real-time analysis situations.

A high energy laser project provides facilities for the study of superradiant emissions from high density plasmas created by pulsed irradiation with electron beams of gigawatt peak power. The basic excitation transfer mechanisms important to quantum electronics can be studied in a unique fluorescent spectroscopy system employing several tuneable dye lasers. Related facilities support several projects concerned with the investigation of exciton fluorescence of crystals at liquid helium temperatures, excited by radiation from ultraviolet lasers.

Physics (continued)

Small computers are available for use in applied physics projects concerned with the optimization of real time measurement, analysis and control systems.

Theoretical activities in solid state physics and relativity are facilitated by extensive software libraries.

PROCEDURES FOR DEGREE CANDIDATES

The central principle in the structure of the graduate program is that a student's progress and ultimate success is best served by early and varied research experiences coupled with individually tailored course sequences.

For graduate work in most of the options in physics it is assumed that the student has an undergraduate background that includes the following: Mechanics, at the level of chapters 1-7 of Goldstein, Classical Mechanics; Electromagnetism, at the level of Reitz and Milford, Foundations of Electromagnetic Theory; Thermodynamics, at the level of Zemansky, Heat and Thermodynamics; and some upper-division course(s) in quantum mechanics and atomic physics.

Full-time students are expected to register for at least three hours of research every semester. Unless a student already knows unquestionably in which option he wishes to specialize, he will be encouraged to participate in a different type of research each semester, until he has had experience with several types.

Each student in consultation with the Graduate Advisor, or other faculty members, chooses his own curriculum and before registration files a "degree plan," which is approved by the Graduate Adviser and Program Chairman, and subject to the subsequent review of the Committee on Graduate Studies in Physics. As the student's interests mature, he is free to amend his degree plan at any time, subject to the same approvals and with the concurrence of his Supervising Professor, when he has one.

There are three basic courses, fundamental to all graduate physics, ten supplementary courses, each of which is important to at least half of the degree options, and twenty-four specialized courses keyed to the particular degree options. A degree plan will contain a core normally made up of the basic courses and two other courses fundamental to the student's degree option, and sufficient supplementary and specialized courses to give the student a broad understanding of his field. Any core courses listed in a student's degree plan may be passed by a special written examination, if the student has previously obtained credit for an equivalent course at another institution.

SPECIFIC DEGREE REQUIREMENTS FOR M.S. AND Ph.D. DEGREES

The candidate for either the M.S. or Ph.D. must satisfy the general institution requirements (see page D-38) and in addition he must have an overall grade-point average of 3.0 and have obtained a B or better on each of the core courses listed in his degree plan. In addition, for the Doctor of Philosophy degree at least one of the core course grades should be an A, and the student must present a public seminar outlining the state of knowledge of some contemporary problem in the field, preferably the problem which the student intends to attack. The general oral examination normally follows this seminar within a few days.

Physics (continued)

Basic Courses

<u>Course</u>	<u>Description</u>
500	Quantum Mechanics I (4 semester hours) Fundamental principles of quantum theory with applications to one and three dimensional systems under various potentials: free particle; bound particle; harmonic oscillator; and hydrogen atom. Emphasis is placed on the use of the computer both for evaluation of the energies and wave functions of the systems and for subsequent visualization of the results. (501 concurrently, 505 concurrently). (4-0)
501	Mathematical Methods of Physics I (4 semester hours) Solution of ordinary differential equations by power series, analytic approximation, WKB method, and numerical integration; classification and numerical integration of partial differential equations, solution by separation of variables; eigenfunctions; Legendre functions and spherical harmonics; Bessel functions; Green's functions; Vectors and Matrices; Probability and statistics. (Previous exposure to most of the topics is assumed.) (4-0)
521	Electromagnetism I (4 semester hours) Electrostatics, Laplace and Poisson equations, boundary value problems, dielectric materials, multipole expansion; magnetostatics, field of steady currents, magnetic materials; time-varying fields, Maxwell's equations; introduction to four vector formalism; plane waves, reflection, refraction, polarization. (Normally follows 501.) (4-0)

Supplementary Courses

<u>Course</u>	<u>Description</u>
502	Mathematical Methods of Physics II (4 semester hours) Infinite series, summation and transformation; contour and saddle point integration; integral transforms; Hypergeometric, Mathieu, and Elliptic functions; perturbation theory; integral equations; calculus of variations; tensor analysis; group representations. (Normally follows 501.) (4-0)
503	Computer Organization and Usage (3 semester hours) Machine language, symbolic coding; data acquisition, representation, and transfer; control functions. (3-0)
505	Computer Languages and Applications (3 semester hours) Introductions into the usage of the Fortran, APL and Job Control languages with applications to matrix diagonalization and inversion, Fourier analysis, curve fitting, solution of finite difference equations and numerical integration. (3-0)
507	Quantum Physics (3 semester hours) Survey of Quantum mechanical phenomena in modern physics; atomic and molecular spectroscopy; quantum statistics; band theory of solids; particle scattering and radiation; nuclear models, reactions, and stability; elementary particles. (Normally follows 500.) (3-0)

Physics Courses (continued)

<u>Course</u>	<u>Description</u>
508	Perspectives on Fundamentals of Physics (3 semester hours) Selected topics in both classical and modern physics with emphasis on the interpretation of the observed physical reality. (3-0)
509	Special Topics/TAGER (3 semester hours) (3-0)
511	Classical Mechanics (3 semester hours) LaGrange's equations; two-body problem; motion of a rigid body, inertia tensor; Hamilton's equations, canonical transformations. (3-0)
513	Statistical Mechanics (3 semester hours) Classical and quantum statistical mechanics; localized and non-localized ensembles; thermodynamic properties in terms of partition functions for atoms and molecules; equation of state of non-ideal gases and liquids; Fermi-Dirac and Bose-Einstein statistics with emphasis on extreme degenerate regions; introduction to the Darwin-Fowler method. (3-0)
522	Electromagnetism II (3 semester hours) Simple radiating systems; properties of waves at microwave frequencies, laboratory techniques for investigating these properties; waveguides, measurement of impedance and discontinuities, impedance matching, resonant cavity modes, and field configurations. (Normally follows 521.) (3-0)
595	Electromagnetic Theory (3 semester hours) Development of time dependent electromagnetic theory using the four-vector formalism of special relativity; Lienard Wichert potentials; radiation reaction; radiation from relativistic particles; synchrotron, Cherenkov, bremsstrahlung radiation; multipole radiation. (Normally follows 521.) (3-0)
600	Quantum Mechanics II (4 semester hours) Operator theory; matrix mechanics and transformation theory; angular momentum; perturbation and variational methods; atomic structure; elementary scattering theory. As in Quantum Mechanics I, emphasis is placed upon learning modern numerical, computer oriented, techniques for performing the theoretical computations. (Normally follows 500.) (4-0)
609	Special Topics in Mathematical Physics (3 semester hours) Topics vary from semester to semester. (May be repeated for credit). (3-0)

Chemical Physics

<u>Course</u>	<u>Description</u>
619	Special Topics in Chemical Physics (3 semester hours) Topics vary from semester to semester. (May be repeated for credit). (3-0)
910	Research in Chemical Physics (3-12 semester hours)

Physics Courses (continued)

Applied Physics

<u>Course</u>	<u>Description</u>
523	Elements of Digital Circuits (3 semester hours) Introduction to digital hardware; theory and operation of discrete and integrated logic circuits; logic families; MOS devices; simplification of logic functions; logic design of counters, shift registers, and arithmetic circuits. Lab fee required. (2-2)
624	Logic Design and Digital Systems (3 semester hours) Analysis and synthesis of digital systems; random access, sequential and read only memory systems; synchronous and non synchronous logic systems; computing systems, input-output devices; parallel and serial devices. Lab fee required. (Normally follows 523.) (2-3)
625	Data Acquisition and Computer Interfacing (3 semester hours) Real time data acquisition; linear-digital conversions, nonlinear systems, sampling systems; instrumentation techniques; feedback theory, stability, monitoring and control functions. Lab fee required. (Normally follows 523.) (2-3)
626	Operating Systems for Data Acquisition (3 semester hours) Organization and programming of executive control systems for data acquisition; multiprogramming; time-sharing; access control; parallel processing; resource allocation. (3-0)
629	Special Topics in Applied Physics (3 semester hours) Topics may vary from semester to semester. (May be repeated for credit). (3-0)
920	Research in Applied Physics (3-12 semester hours)
Quantum Electronics	
530	Introduction to Quantum Electronics (3 semester hours) Classical treatment of the interaction of radiation with matter; resonant structures and normal modes; stimulated emission; non-linear optics. (3-0)
630	Physics of Lasers (3 semester hours) Advanced topics in the physics of quantum electronics and lasers; gas lasers and excitation transfer reactions; line narrowing and induced transparency; superradiancy and liquid lasers; high energy pulsed lasers. (Normally follows 530.) (3-0)
631	Statistical Optics (3 semester hours) Correlation functions and coherent states; interaction of light with photodetectors; photon counting, heterodyning and Brown-Twiss experiments; interference and spatial coherence; transform spectroscopy. (3-0)
639	Special Topics in Quantum Electronics (3 semester hours) Topics vary from semester to semester. (May be repeated for credit). (3-0)
930	Research in Quantum Electronics (3-12 semester hours)

Physics Courses (continued)

Atomic and Molecular Physics

<u>Course</u>	<u>Description</u>
651	Quantum Theory of Atoms and Molecules (3 semester hours) Application of quantum mechanics to atomic and molecular structure, physical properties, and spectra. Time dependent quantum theory applied to transitions in collisions and in interactions with light. Introduction to the theory of atomic and molecular collisions. (Normally follows 600.) (3-0)
652	Atomic and Molecular Spectroscopy (3 semester hours) Atomic structure; spin-orbit interaction, auto-ionization, selection rules, and effect of external fields; diatomic and polyatomic molecules; symmetry and applications of group theory; molecular vibrations and rotations; electronic band spectra; selection rules and intensities. (3-0)
653	Atomic and Molecular Processes I (3 semester hours) Study of theory and experimental methods applied to elastic scattering, excitation and ionization of atoms and molecules by electron and ion impact, electron attachment and detachment, and charge transfer processes. (Normally follows 651.) (3-0)
654	Atomic and Molecular Processes II (3 semester hours) Theory and experimental methods applied to photoabsorption and emission, mobility and ion transport in ionized gases, recombination of ions with electrons, lasers, metastable states, and ion-molecule reactions. (Normally follows 653.) (3-0)
655	Topics on Atomic and Molecular Physics (3 semester hours) Discussion of selected problems in molecular and atomic physics with special emphasis both on the nature of the physical phenomena that occur as well as on the experimental methodology through which they are investigated. The course is intended to cultivate physical insight and scientific imagination. (3-0)
659	Special Topics in Atomic Physics (3 semester hours) Topics vary from semester to semester. May be repeated for credit. (3-0)
950	Research in Atomic & Molecular Physics (3-12 semester hours)

Plasma Physics

<u>Course</u>	<u>Description</u>
560	Plasma Generation (3 semester hours) Lecture and laboratory course on the fundamental properties of plasmas and their methods of generation; fundamental gas and surface processes; electron and ion motions in gases; breakdown; measurement of plasma properties. (2-3)

Physics Courses (continued)

<u>Course</u>	<u>Description</u>
661	Plasma Waves and Radiation (3 semester hours) Magnetoionic theory, dispersion equation, modes, phase and group velocities; antennas and probes in plasmas; plasma resonances; review of magnetohydrodynamic propagation, anisotropy, two-stream and crossfield instabilities. (Normally follows 663.) (3-0)
663	Plasma Theory (3 semester hours) Statistical behavior of plasmas; distribution functions; Boltzmann equation, kinetic theory; magnetohydrodynamic theory; Fokker-Planck and Vlasov equations. (3-0)
669	Special Topics in Plasma Physics (3 semester hours) Topics vary from semester to semester. (May be repeated for credit). (3-0)
960	Research in Plasma Physics (3-12 semester hours)

Solid State Physics

<u>Course</u>	<u>Description</u>
671	Solid State Physics (3 semester hours) Lattice vibrations and thermal properties of solids; band theory of solids; transport properties of metals and semiconductors; optical properties; magnetic properties; magnetic relaxation; superconductivity. (3-0)
673	Quantum Theory of Solids (3 semester hours) Crystalline symmetry; lattice dynamics; anharmonic processes; band theory; electron-electron interaction; electron-phonon interaction; transport properties; optical properties; Fermi surface; magnetism. (3-0)
675	Group Theory as Applied to Crystals (3 semester hours) Finite group theory and applications to solid state physics; symmetry operators of crystals; space groups; reciprocal lattice and Brillouin zones; group of the k vector; crystal field splitting; construction of wave functions for band structure calculations. (3-0)
679	Special Topics in Solid State Physics (3 semester hours) Topics vary from semester to semester. (May be repeated for credit). (3-0)
970	Research in Solid State Physics (3-12 semester hours)

Atmospheric and Space Physics

<u>Course</u>	<u>Description</u>
581	Introduction to Space Physics (3 semester hours) A survey of the development, experimental techniques and results of the space program; introduction to the physics of the upper atmosphere, ionosphere, magnetosphere, radiation belts, and interplanetary environment. (3-0)

Physics Courses (continued)

<u>Course</u>	<u>Description</u>
683	Space Age Astronomy (3 semester hours) Physics of the sun and corona; the solar wind and its interaction with solid bodies and magnetic fields; asteroids, meteoroids and comets; origin of the solar system; basic methods of X-ray, optical radio, and radar astronomy; stellar populations; review of galactic structures and cosmology. (3-0)
685	Upper Atmospheres (3 semester hours) Characteristics of the neutral upper atmosphere of the earth and planets; photodissociation and chemical reactions; tides, circulation, winds, and wave propagational diffusion, eddy mixing and heat balance; satellite drag. (Normally follows 581.) (3-0)
687	Ionospheric Phenomena (3 semester hours) Formation and properties of the major ionosphere of the earth and plasma in the magnetosphere; radiation belts and their interaction with the ionosphere; aurora. (Normally follows 581, 663.) (3-0)
689	Special Topics in Space Physics (3 semester hours) Topics will vary from semester to semester. (May be repeated for credit). (3-0)
980	Research in Atmospheric and Space Physics (3-12 semester hours)

Relativity

<u>Course</u>	<u>Description</u>
591	Relativity (3 semester hours) Mach's principle and the abolition of absolute space; the principle of relativity; the principle of equivalence; basic cosmology; four-vector calculus; special relativistic kinematics, optics, mechanics, and electromagnetism; basic ideas of general relativity. (3-0)
592	Relativity and Cosmology (3 semester hours) Tensor calculus and Riemannian geometry; mathematical foundation of general relativity; the crucial tests; the linearized theory; fundamentals of theoretical relativistic cosmology; the Friedmann model universes; comparison with observation. (Normally follows 591.) (3-0)
697	Relativistic Quantum Mechanics (3 semester hours) Relativistic formalism; one particle relativistic wave equations; Klein-Gordon and Dirac equations; fundamentals of quantum field theory and quantum electrodynamics; interaction of charged particles and photons; strong and weak interactions; symmetry principles and conservation laws. (Normally follows 500.) (3-0)
699	Special Topics in Relativity (3 semester hours) Topics vary from semester to semester. May be repeated for credit. (3-0)
990	Research in Relativity (3-12 semester hours)

Physics Courses (continued)

Thesis and Dissertation

<u>Course</u>	<u>Description</u>
908	Thesis (3 semester hours) (0-9)
909	Dissertation (3 semester hours) (0-9)

Typical Degree Plans

The following degree plans are illustrative of the course sequence for typical doctoral students in each of the eight options. Only the first two years is shown in each case; normally a few electives may be taken in the third and later years, but most of the student's time is spent in research. The "core" courses in each case are underlined.

	Year	Fall	Spring	Summer
Applied	1	500,501,505,920	521,523,503,920	522,920
Physics	2	507,624, 920	625,626, 920	920
Atmospheric	1	500,501,505,980	521,513,581,980	663,980
and Space	2	507,661,683,980	685, 980	687,980
Atomic and	1	500,501,505,950	521,513,600,950	522,950
Molecular	2	652,653, 950	654,631, 950	950
Chemical	1	500,501,Ch1,910	Ch2,513,600,910	910
Physics	2	521,651,Ch3,910	652,Ch4,Ch5,910	910
Plasma	1	500,501,505,960	521,513,560,960	663,960
Physics	2	600,661, 960	669, 960	552,960
Quantum	1	500,501,505,930	521,513,600,930	522,930
Electronics	2	502,530, 930	630,631, 930	930
Relativity	1	591,501,505,990	521,592,500,990	595,990
	2	502,697,699,990	513, 990	990
Solid	1	500,501,505,970	521,671,600,970	675,970
State	2	502,513,673,970	503, 970	970

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APPENDIX A

RULES AND REGULATIONS FOR
DETERMINING RESIDENCE STATUSPursuant to Title 3,
Texas Education Code

Effective January 20, 1973

I. Minors

Statute: Section 54.052(b) An individual, under twenty-one (21) years of age, who is living away from his family, and whose family resides in another state or has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student;

Section 54.052(c) An individual twenty-one (21) years of age or under whose family has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student regardless of whether he has become the legal ward of residents of Texas or has been adopted by residents of Texas while he is attending an educational institution in Texas, or within a 12-month period before his attendance, or under circumstances indicating that the guardianship or adoption was for the purpose of obtaining status as a resident student;

Section 54.055 An individual 21 years of age or under whose parents were formerly residents of Texas is entitled to pay the resident tuition fee following the parents' change of legal residence to another state, as long as the individual remains continuously enrolled in a regular session in a state-supported institution of higher education.

A. Death or Divorce of Parents

The legal residence of a minor under 21 years of age is usually that of the father. Upon the death of the father, the legal residence of the minor is that of the mother. Upon divorce or legal separation of the parents, the residence of the minor is determined by the residence of the parent with whom the minor is making his home at the time of registration.

B. Custody by Court Order

If the custody of the minor has been granted by court order (e.g., divorce decree, child custody action, guardianship or adoption proceedings) to some person other than the parent, the residence of that person shall control; provided, however, that such grant of custody was not ordered during or within a year prior to the minor's enrollment in an institution of higher education (defined as any public junior college, public senior college or university, medical or dental unit or other agency of higher education) and was granted under circumstances indicating that such guardianship was not for the purpose of obtaining status as a resident student.

If the minor is not making his home with either parent, and there is no court-appointed guardian, the residence of the parent with whom the minor last resided shall be presumed to control. If, however, the minor has made his home with, and has been dependent upon a grandparent for more than a year prior to enrollment in an institution of higher education, the residence of that natural

Appendix A - Continued

guardian shall be regarded as his residence. The residence of a person other than a parent or a natural or legal guardian, who may furnish funds for payment of tuition, fees, or living expenses shall in no way affect the residence classification of a minor.

C. Abandoned Child

In the case of an abandoned child, the residence of a person who has stood *in loco parentis* for a period of time may determine the residence of such abandoned child. The fact of abandonment must be clearly established and must not have been for the purpose of affecting the residence of the minor, and the minor must have actually resided in the home of such person for two years immediately prior to registering in an institution of higher education in Texas and must have received substantially all of his support from such person. In the event that the *in loco parentis* relationship has not existed for the full two year period, a lesser period of time is acceptable in unusual hardship cases, such as death of both parents.

D. Orphan

An orphan who has lived for longer than a year in an established orphan's home in Texas operated by a fraternal, religious, or civic organization and has been graduated from the orphan's home shall be considered a resident of Texas provided he remains in Texas from the time of such graduation until he enters an institution of higher education.

E. Emancipated Child

Under certain circumstances, a minor may become emancipated or freed from parental control. If the minor's parents have ceased to exercise parental control and responsibility, if the minor is responsible for all of his or her own decisions and affairs, and if the minor is financially independent of parents, the minor may establish emancipation. A minor is financially independent if he or she receives less than \$600 a year from parents, and if the parents do not claim the minor as a dependent. If emancipation is clearly proven, the residence classification of the minor is determined by the residence of the minor rather than the residence of the parents, and after 12 months in Texas under such circumstances, the minor may be classified as a resident, if he or she otherwise satisfies the statutory requirements applicable to those over 21 (e.g., see presumption arising from residence while a student). Proof of emancipation is the responsibility of the minor.

F. Married Minors

A minor who is married shall have the power and capacity of a single person of full age and is entitled to select his or her own place of legal residence. After 12 months' residence in Texas under such circumstances, the minor may be classified as a resident if he or she otherwise satisfies the statutory requirements applicable to those over 21 years of age. The residence classification for tuition purposes of a nonresident who marries a Texas resident shall be governed by the provisions of the tuition statute (Texas Education Code, § 54.056) and of these rules and regulations as hereinafter set out.

Appendix A - Continued

G. Minors Whose Parents Moved to Another State or Foreign Country

If the parents of a minor who is enrolled as a resident student move their legal residence to another state or foreign country on, or after August 15, 1971, the minor shall be classified as a nonresident at all subsequent registration periods. Under the provisions of Section 54.055, the minor will be entitled to pay the resident tuition fee as long as he remains continuously enrolled in a regular session in a public institution of higher education. The minor student must re-enroll for the next available regular semester immediately following the parents' change of legal residence to another state.

If the parents of a minor move to another state or foreign country, or reside outside the state or in a foreign country at the time of enrolling in an institution of higher education, but claim legal residence in Texas, conclusive evidence must be presented that the father is still claiming legal residence in the State of Texas and that he has the present intent to return to the state. A certificate from the employer of the parents that the move outside the state was temporary and that there are definite plans to return the parents to Texas by a determinable future date may be considered in this connection.

If a minor whose parents have moved their legal residence to another state or foreign country resides in Texas for 12 consecutive months following his 21st birthday and by his actions clearly indicates that his intention is to establish permanent residence in the state, he may be classified as a resident student effective with the beginning of the term or semester following his 22nd birthday despite the fact that his entire period of residence in Texas has been as a student.

When the parents of a minor who have established their legal residence in another state or foreign country return and reestablish their legal residence in Texas the minor must be classified as a nonresident until the first registration after the parents have resided in the state for a 12-month period following their return.

II. Residence of Individuals Over Twenty-One

Statute: Section 54.052(d) An individual twenty-one (21) years of age or over who has come from outside Texas and who is gainfully employed in Texas for a 12-month period immediately preceding registration in an educational institution shall be classified as a resident student as long as he continues to maintain a legal residence in Texas; and

Section 54.052(e) An individual twenty-one (21) years of age or over who resides out of the state or who has come from outside Texas and who registers in an educational institution before having resided in Texas for a 12-month period shall be classified as a nonresident student.

Section 54.054 A nonresident student classification is presumed to be correct as long as the residence of the individual in the state is primarily for the purpose of attending an educational institution. After residing in Texas for at least twelve (12) months, a nonresident student may be reclassified as a resident student as provided in the rules and regulations adopted by the Coordinating Board, Texas College and University System. Any individual reclassified as a resident student is entitled to pay the tuition fee for a resident of Texas at any subsequent registration as long as he continues to maintain his legal residence in Texas.

Appendix A - Continued

Establishment of Residence

Any individual 21 years of age or over who moves into the state and who is gainfully employed within the state for a period of 12 months prior to enrolling in an educational institution (defined as any institution of higher education, public or private, above the high school level), is entitled to classification as a resident. If such 12 months' residence, however, can be shown not to have been for the purpose of establishing legal residence in the state but to have been for some other purpose, the individual is not entitled to be classified as a resident. Any student registering in an educational institution prior to having resided in the state for 12 months shall be classified as a nonresident for tuition purposes.

A person classified as a nonresident student upon his first enrollment in an institution of higher education is presumed to be a nonresident for the period during which he continues as a student. If such nonresident student withdraws from school and resides in the state while gainfully employed for a period of 12 months, upon re-entry into an institution of higher education he will be entitled to be reclassified as a resident for tuition purposes. Accumulations of summer and other vacation periods do not satisfy this requirement. A student is not entitled to reclassification after a residence in the state for 12 months merely on the basis of his or his wife's employment, registration to vote, registration of a motor vehicle and payment of personal property taxes thereon, or the securing of a Texas driver's license. The presumption of a "nonresident" is not a conclusive presumption, however, and other facts may be considered to determine if the presumption has been overcome. Material to this determination are business or personal facts or actions unequivocally indicative of a fixed intention to reside permanently in the state including, but not limited to, the length of residence and full-time employment prior to registering in the institution, the fact of full-time employment and the nature of such employment (regular industrial, business or professional employment as distinguished from student-type employment) while a student, purchase of a homestead with substantial downpayment, and marriage to a resident of Texas. All of these facts are weighed in the light of the fact that a student's residence while in school is primarily for the purpose of education and not to establish residence, and that decisions of an individual as to residence are generally made after the completion of an education and not before.

III. Married Students

Statute: Section 54.056 A nonresident who marries and remains married to a resident of Texas, classified as such under this Act at the time of the marriage and at the time the nonresident registers, is entitled to pay the resident tuition fee regardless of the length of time he has lived in Texas, and any student who is a resident of Texas who marries a nonresident is entitled to pay the resident tuition fee as long as he does not adopt the legal residence of the spouse in another state.

Nonresident Who Marries

A Resident of Texas

The nonresident male or female student who marries a resident of Texas is entitled to pay the resident tuition at the registration period next following the date of marriage upon submission of evidence of such marriage and of the spouse's legal residence in Texas. Such marriage evidence is a certified copy of the marriage license or other certified documentary evidence of marriage as filed with the county clerk. The legal residence of a husband and wife are normally presumed to be

Appendix A - Continued

the same; however, it is possible for either the husband or wife to establish a residence different from the other spouse. In such a situation, the normal standards are followed. (See II.) In the event a nonresident student marries a resident of Texas and subsequently is divorced within 12 months, such nonresident student shall be classified as a nonresident for all enrollment periods subsequent to the date of such divorce; provided, however, the nonresident may establish Texas residence pursuant to normal standards. (See II.)

IV. Military Personnel and Veterans

Statute: Section 54.058(a) Military personnel are classified as provided by this section in the following manner:

(b) *An officer, enlisted man or woman, selectee or draftee of the Army, Army Reserve, Army National Guard, Air National Guard, Texas State Guard, Air Force, Air Force Reserve, Navy, Navy Reserve, Marine Corps, Marine Corps Reserve, Coast Guard, or Coast Guard Reserve of the United States, who is assigned to duty in Texas is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fee and other fees or charges required of Texas residents, without regard to the length of time he has been assigned to duty or resided within the state. However, out-of-state Army National Guard or Air National Guard members attending training with Texas Army or Air National Guard members under National Guard Bureau regulations may not be exempted from nonresident tuition by virtue of that training status nor may out-of-state Army, Air Force, Navy, Marine Corps, or Coast Guard Reserves training with units in Texas under similar regulations be exempted from nonresident tuition by virtue of such training status. It is the intent of the legislature that only those members of the Army or Air National Guard, Texas State Guard, or other reserve forces mentioned above be exempted from the nonresident tuition fee and other fees and charges only when they become members of Texas units of the military organizations mentioned above.*

(c) *As long as they reside continuously in Texas, the spouse and children of a member of the Armed Forces of the United States who has been assigned to duty elsewhere immediately following assignment to duty in Texas are entitled to pay the tuition fees and other fees or charges provided for Texas residents.*

(d) *If nonresident military personnel are attending an institution of higher education under a contract between the institution and any branch of the Armed Forces of the United States, in which the tuition of the member of the military is paid in full by the United States Government, the student shall pay the nonresident tuition fee;*

(e) *A Texas institution of higher education may charge to the United States Government the nonresident tuition fee for a veteran enrolled under the provisions of a Federal law or regulation authorizing educational or training benefits for veterans;*

(f) *The spouse and children of a member of the Armed Forces of the United States who dies or is killed are entitled to pay the resident tuition fee, if the wife and children become residents of Texas within 60 days of the date of death; and*

Appendix A - Continued

(g) *If a member of the Armed Forces of the United States is stationed outside Texas and his spouse and children establish residence in Texas by residing in Texas and by filing with the Texas institution of higher education at which they plan to register a letter of intent to establish residence in Texas, the institution of higher education shall permit the spouse and children to pay the tuition, fees, and other charges provided for Texas residents without regard to length of time that they have resided within the State.*

A. Certification of Assignment to Duty in Texas

Subsection (b) provides that military personnel assigned to duty within the State of Texas, their husband or wife as the case may be and their children, shall be entitled to pay the same tuition as a resident of Texas regardless of the length of their physical presence in the state. To be entitled to pay the resident tuition fees, such military personnel shall submit at the time of each registration a statement from his commanding officer or personnel officer certifying that he is then assigned to duty in Texas and that same will be in effect at the time of such registration in an institution of higher education. This subsection also provides that a nonresident member of an out-of state National Guard unit who is temporarily training with a Texas National Guard unit will not be entitled to pay the resident tuition.

B. Spouse and Children of Member of Armed Services

Subsection (c) provides that the spouse and children of a member of the armed forces assigned to duty outside the State of Texas immediately after assignment in Texas may be entitled to pay the resident tuition as long as they reside continuously in Texas.

Subsection (g) provides that the spouse and children of a member of the armed forces who is assigned to duty outside the State of Texas and sends his family to the State of Texas may be entitled to pay the resident tuition if they file with the institution of higher education at which the student intends to register a letter of intent, an affidavit or other evidence satisfactory to the institution stating that they intend to become permanent residents of Texas.

Subsection (f) provides that a member of the immediate family (which shall include spouse or children) of a member of the armed forces who dies or is killed in action while in military service may qualify to pay the resident tuition if they become residents of Texas within 60 days of the date of death. To qualify under this provision, the student shall submit to the institution of higher education satisfactory evidence establishing the date of death and residence in Texas.

The military personnel spouse and children enumerated in (b), (c), (f), and (g) are classified as nonresidents but shall be entitled to pay the resident tuition regardless of their length of residence in Texas if they comply with the provisions of the statute and these rules and regulations.

C. Nonresident Military Personnel Attending College Under Contract

Subsection (d) provides that nonresident military personnel attending an institution of higher education under a contract with any branch of the armed forces where the tuition is paid in full under the provisions of such contract shall be charged nonresident tuition even though such military personnel may be assigned to duty pursuant to military orders at an institution of higher education.

Appendix A - Continued

D. Nonresidents Attending College Under Federal Benefits Programs for Veterans

Subsection (e) provides that the institution of higher education may charge the nonresident tuition fee for a nonresident veteran to the United States Government under the provisions of any federal law or regulation authorizing educational or training benefits for veterans.

E. Legal Residence of Person in Military Service

A person in military service is presumed to maintain during his entire period of active service the same legal residence which was in effect at the time he entered military service. A person stationed in a state on military service is presumed not to establish a legal residence in that state because his presence is not voluntary but under military orders. It is possible for a member of the military service to abandon his domicile of original entry into the service and to select another, but to show establishment of a new domicile during the term of active service, there must be clear and unequivocal proof of such intent. An extended period of service alone is not sufficient. The purchase of residential property is not conclusive evidence unless coupled with other facts indicating an intent to put down roots in the community and to reside there after termination of military service. Evidence which will be considered in determining this requisite intent includes, but is not limited to a substantial investment in a residence and the claiming of a homestead exemption thereon, registration to vote, and voting in local elections, registration of an automobile in Texas and payment of personal property taxes thereon, obtaining a Texas driver's license, maintaining checking accounts, savings accounts, and safety deposit boxes in Texas banks, existence of wills or other legal documents indicating residence in Texas, change of home-of-record and designation of Texas as the place of legal residence for income tax purposes on military personnel records, business transactions or activities not normally engaged in by military personnel, membership in professional or other state organizations, and marriage to a resident of Texas. Purchase of property during terminal years of military service preceding retirement generally is given greater weight than a similar purchase made prior to such terminal period.

F. Residence Classification of Veterans Upon Separation from Military Service

A person who enrolls in an institution of higher education following separation from military service must be classified as a nonresident student unless, (1) the individual was a legal resident of Texas at the time of entry into military service and has not relinquished that residence, (2) the individual can prove that during military service he or she has, in fact, established a bona fide, legal residence in Texas at a time at least 12 months prior to registration, or (3) the individual has resided in Texas other than as a student for 12 months prior to registration and subsequent to discharge from service. The nonresident classification is a presumption, however, which can be overcome pursuant to the guidelines and standards for establishing Texas residence. (See II.)

Appendix A - Continued

V. Employees of Institutions of Higher Education Other Than Students

Statute: Section 54.059 A teacher, professor, or other employees of a Texas institution of higher education is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fee and other fees or charges required for Texas residents without regard to the length of time he has resided in Texas. A teacher, professor, or other employee of a Texas institution of higher education is any person employed at least one-half time on a regular monthly salary basis by a state institution of higher education.

A person employed at least half-time on a regular monthly salary basis (not an hourly employee) by any public institution of higher education, with an effective date of employment on the 12th class day of a regular semester or the 4th class day of a summer term, may pay the same tuition as a resident of Texas for self, husband or wife as the case may be and their children, regardless of the length of residence in the state. To be entitled to pay the resident tuition fees such employee must submit prior to the time of each registration a statement certifying employment from the Director of Personnel or a designated representative of the institution of higher education by which he is employed.

VI. Student Employees

Statute: Section 54.051(o) A teaching assistant, research assistant, or other student employee of any institution covered by this section is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fees and other fees or charges required for Texas residents, without regard to the length of time he had resided in Texas; provided that said student employee is employed at least one-half time in a position which relates to his degree program under rules and regulations established by the employer institution. This exemption shall continue for students employed two consecutive semesters through the summer session following such employment if the institution is unable to provide employment and, as determined under standards established by the institution, if the employee has satisfactorily completed his employment.

A student employed at least half-time by any public institution of higher education in a position which relates to his degree program, with an effective date of employment on or before the 12th class day of a regular semester, or the 4th class day of a summer term, may pay the same tuition as a resident of Texas for himself, his husband or wife as the case may be, and their children regardless of the length of residence in the state. The institution which employs the student shall determine whether or not the student's job relates to his degree program. If a student is employed by an institution of higher education for consecutive Fall and Spring semesters and he was further eligible to pay the tuition charged to Texas residents during those Fall and Spring semesters because of the provisions of this subsection, then the student may continue to pay the resident tuition rate during the summer session following the Spring employment if the institution is unable to provide employment and if the student has satisfactorily completed his employment.

VII. Competitive Scholarships

Statute: Section 54.051 (p) A nonresident student holding a competitive scholarship of at least \$200 for the academic year or summer for which he is enrolled is entitled to pay the fees and charges required of Texas residents without regard to the length of time he has resided in Texas, provided that he must compete with other students, including Texas residents, for the scholarship and that the scholarship must be awarded by a scholarship committee officially recognized by the administration of the institution of higher education.

An official scholarship committee or committees of a public institution of higher education may award competitive scholarships in amounts of \$200 or more for the academic year, the summer session or both. If a nonresident student obtains one of these competitive scholarships, he may pay the same tuition as a resident of Texas during the Registration period in which the scholarship is in effect. The student must present a statement from the official scholarship committee certifying that such scholarship will be in effect at the time of registration.

VIII. Citizens of Any Country Other Than the United States of America

Statute: Section 54.057 An alien who is living in this country under a visa permitting permanent residence or who has filed with the proper Federal immigration authorities a declaration of intention to become a citizen has the same privilege of qualifying for resident status for fee purposes under this Act as has a citizen of the United States. A resident alien residing in a junior college district located immediately adjacent to Texas boundary lines shall be charged the resident tuition by that junior college.

Citizens of any country other than the United States of America who are in this country on a student visa or a visa other than one entitling them to immigrant status and who enroll in an institution of higher education covered by Section 54.051 of the Texas Education Code shall be classified as "...students who are citizens of any country other than the United States of America..." for purposes of Section 1(a)(7) of Article 2654c, V.T.C.S. Such a student who is in this country on an immigrant visa can be classified as a resident student if he has resided in the state for a period of 12 months under circumstances indicating his intention to reside permanently in Texas and not merely to complete his education. To this extent a citizen of any country other than the United States of America residing in Texas on an immigrant visa shall be in no different position than the citizen of the United States who has been a resident of another state. A citizen of any country other than the United States of America residing in the United States of America in a State other than Texas on an immigrant visa and has established his intent to reside permanently in such other State shall be classified as a nonresident.

IX. Reciprocity Clause Applicable to Junior Colleges

Statute: Section 54.060 The nonresident tuition fee prescribed in this Act does not apply to a nonresident student who is a resident of a state situated adjacent to Texas and who registers in any Texas public junior college situated immediately adjacent to the state in which the nonresident student resides. The nonresident student described in this Subsection shall pay an amount equivalent to the amount charged a Texas student registered at a similar school in the state in which the nonresident student resides.

X. Student Responsibilities

A. Student Responsibility to Register Under Proper Classification

The responsibility of registering under the proper residence classification is that of the student, and if there is any question of his right to classification as a resident of Texas, it is his obligation, prior to or at the time of his registration, to raise the question with the administrative officials of the institution in which he is registering and have such officially determined.

B. Notification Upon Becoming a Nonresident

Every student who is classified as a resident student but who becomes a nonresident at any time by virtue of a change of legal residence by his own action or by the person controlling his domicile is required to notify the proper administrative officials of his institution at once.

XI. Official Change of Residence Status

A. Application for Reclassification

Every student classified as a nonresident student shall be considered to retain that status until such time as he shall have made written application for reclassification in the form prescribed by the institution and shall have been officially reclassified in writing as a resident of Texas by the proper administrative officers of the institution.

B. Reclassification as a Nonresident

Every person who has been classified as a resident of Texas shall be reclassified as a nonresident student whenever he shall report, or there is found to exist, circumstances indicating a change in legal residence to another state. If any student who has been classified as a resident of Texas shall be found to have been erroneously so classified, he shall be reclassified as a nonresident and shall be required to pay the difference between the resident and nonresident fees for such semesters in which he was so erroneously classified. In addition, he shall be required to pay back all monies borrowed from the Texas Opportunity Plan Fund.

C. Reclassification as a Resident

If any student has been erroneously classified as a nonresident student and subsequently proves to the satisfaction of the appropriate officials of an institution of higher education that he should have been classified as a resident student, he shall be reclassified as a resident of Texas and shall be entitled to a refund of the difference between the resident and nonresident fees for the semester in which he was so erroneously classified.

XII. Penalties

Statute: Section 54.053 The governing board of each institution required by this Act to charge a nonresident tuition or registration fee is subject to the rules, regulations, and interpretations issued by the Coordinating Board, Texas College and University System, for the administration of the nonresident tuition provisions of this Act. The rules, regulations, and interpretations promulgated by the Coordinating Board shall be furnished to the presidents or administrative heads of all Texas public senior and junior colleges and universities.

Appendix A - Continued

Section 54.061 The governing board of an institution of higher education may assess and collect from each nonresident student who fails to comply with the rules and regulations of the boards concerning nonresident fees a penalty not to exceed \$10 a semester.

Student Compliance with Institutional Rules and Regulations

Each institution has been authorized by statute to assess and collect from each nonresident student failing to comply with the provisions of the tuition statute and with these interpretations concerning nonresident fees a penalty not to exceed \$10.00 a semester. In addition, if a student has obtained residence classification by virtue of deliberate concealment of facts, or misrepresentation of fact, he may be subject to appropriate disciplinary action, in accordance with the rules and regulations that may be adopted by the governing boards of the respective institutions of higher education.

THE UNIVERSITY OF TEXAS AT DALLAS
AMENDMENTS TO THE 1972/73 OPERATING BUDGET
 BOARD OF REGENTS MEETING - JULY 27, 1973

GENERAL ADMINISTRATION

Office of the President

1. Transfer of Funds

Amount of Transfer - \$ 6,000

From:	Unallocated Wages	\$ 500
	Unallocated Maintenance & Operation	3,800
	Unallocated Library Materials	700
	Unallocated Travel	1,000
To:	Office of the President Wages	\$ 500
	Office of the President Maintenance & Operation	3,800
	Office of the President Library Materials	700
	Office of the President Travel	1,000

To provide for unanticipated expenses in the development of a new institution (D75).

Office of the Vice President for Academic Affairs

2. Appoint Bert A. Watson as Assistant to the Vice President for Academic Affairs without compensation from 6/1/73 thru 8/31/73. Dr. Watson is presently appointed full time as Director of Admissions and Registrar (D92).

3. Transfer of Funds

Amount of Transfer - \$ 4,000

From:	Unallocated Maintenance & Operation	\$ 2,000
	Unallocated Travel	2,000
To:	Office of the Vice President for Academic Affairs Maintenance & Operation	\$ 2,000
	Office of the Vice President for Academic Affairs Travel	2,000

To provide funds for the recruiting of Executive Dean for Undergraduate Studies and other heads as well as expenses involved in planning undergraduate programs for implementation in 1975 (D77).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)GENERAL ADMINISTRATION (continued)Office of the Vice President for Business Affairs

4. Transfer of Funds

Amount of Transfer - \$200,842

From:	Student Services Classified Salaries	\$ 1,220
	Office of the Vice President for Business Affairs Classified Salaries	650
	Office of the Vice President for Business Affairs Travel	700
	Planning & Management Systems Classified Salaries	3,348
	Budget Office Classified Salaries	1,566
	Budget Office Computer Services	4,000
	Administrative Data Processing Classified Salaries	5,795
	General Accounting Classified Salaries	9,460
	General Accounting Maintenance & Operation	5,000
	Purchasing & Receiving Classified Salaries	4,201
	Undergraduate Dean Administrative & Professional Salaries	28,925
	Undergraduate Dean Classified Salaries	400
	Undergraduate Dean Travel	2,500
	Communication Disorders Maintenance & Operation	211
	Graduate Program in Physics Classified Salaries	413
	Graduate Program in Physics Computer Services	5,000
	Graduate Program in Physics Travel	2,000
	Graduate Program in Geological Sciences Computer Services	1,000
	Graduate Program in Geological Sciences Maintenance & Operation	4,500
	Graduate Program in Biology Faculty Salaries	520
	Graduate Program in Biology Travel	2,000
	Graduate Program in Math Faculty Salaries	46
	Graduate Program in Math Classified Salaries	570
	Graduate Program in Math Computer Services	3,000
	Graduate Program in Math Travel	1,000
	Graduate Program in Management Sciences Classified Salaries	1,964
	Graduate Program in Management Sciences Computer Services	2,500
	Graduate Program in Chemistry Maintenance & Operation	2,500
	New Graduate Program Heads Classified Salaries	57
	Institute for Physical Sciences Administrative & Professional Salaries	2,685
	Institute for Physical Sciences Maintenance & Operation	2,500
	Institute for Physical Sciences Computer Services	10,000
	Institute for Geological Sciences Administrative & Professional Salaries	1,032
	Institute for Geological Sciences Classified Salaries	19,020

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)GENERAL ADMINISTRATION (continued)Office of the Vice President for Business Affairs (continued)

4. (continued)

From:	Institute for Molecular Biology Administrative & Professional Salaries	\$ 2,000
	Institute for Molecular Biology Maintenance & Operation	7,800
	Institute for Molecular Biology Classified Salaries	3,250
	Institute for Chemical Sciences Classified Salaries	7,509
	University Library--Library Materials	50,000
To:	Unallocated Faculty Salaries	\$ 566
	Unallocated Administrative & Professional Salaries	34,642
	Unallocated Classified Salaries	59,423
	Unallocated Computer Services	25,500
	Unallocated Maintenance & Operation	22,511
	Unallocated Library Materials	50,000
	Unallocated Travel	8,200

Lapse unencumbered free balances to unallocated to provide reserve for 1973/74 operations in order to partially offset reductions in General Revenue Appropriations (D79).

Office of the Director of Admissions and Registration

5. Transfer of Funds

Amount of Transfer - \$ 5,000

From:	Unallocated Maintenance & Operation	\$ 4,000
	Unallocated Travel	1,000
To:	Admissions and Registration Maintenance & Operation	\$ 4,000
	Admissions and Registration Travel	1,000

To provide for the development of admissions and registration systems (D78).

Student Services

6. Revise salary of Sandra L. Budreck, Director of Student Services, from \$12,300 to \$13,300 for the period 5/1/73 thru 8/31/73 for her increased responsibilities for development of student services. Funds available from Unallocated Administrative & Professional Salaries (D101).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)GENERAL INSTITUTIONALDevelopment & University Relations

7. Transfer of Funds

Amount of Transfer - \$ 5,500

From:	Unallocated Maintenance & Operation	\$ 5,000
	Unallocated Library Materials	500
To:	Development & University Relations Maintenance & Operation	\$ 5,000
	Development & University Relations Library Materials	500

To provide for activities not funded in the original budget (D76).

Old Age & Survivors Insurance

8. Transfer of Funds

Amount of Transfer - \$10,000

From:	Unemployment Compensation Insurance	\$10,000
To:	Old Age & Survivors Insurance	\$10,000

Transfer \$10,000 from Unemployment Compensation Insurance to Old Age & Survivors Insurance to provide for increased limits in the maximum coverage (D103).

RESIDENT INSTRUCTIONOffice of the Executive Dean for Upper Division Studies

9. Appoint Regina M.J. Kyle, Executive Dean of Undergraduate Studies, to the Office of the Executive Dean for Upper Division Studies, 100% time for the period 6/1/73 thru 8/31/73 at an annual rate of \$24,400. Funds for this appointment available from Unallocated Administrative and Professional Salaries (D109).

Graduate Program in Biology

10. Transfer of Funds

Amount of Transfer - \$ 1,157

From:	Graduate Program in Biology Administrative & Professional Salaries	\$ 1,157
To:	Graduate Program in Biology Classified Salaries	\$ 1,157

To provide funds for additional secretarial help (D100).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)RESIDENT INSTRUCTION (continued)Graduate Program in Mathematical Sciences

11. Transfer of Funds

Amount of Transfer - \$ 2,000

From:	Graduate Program in Mathematical Sciences Computer Services	\$ 2,000
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To:	Graduate Program in Mathematical Sciences Maintenance & Operation	\$ 2,000
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To provide funds for unanticipated expenditures (D81).

12. Appoint John W. Van Ness, Associate Professor (initial tenure), to Graduate Program in Mathematical Sciences, 100% time for the period 8/1/73 thru 8/31/73, academic salary rate \$18,600. Funds for this appointment available from Unallocated Faculty Salaries (D108).

ORGANIZED RESEARCHInstitute for Physical Sciences

13. Resign Worth B. Hurt, Jr., Research Scientist, from Institute for Physical Sciences Organized Research, for the period 6/1/73 thru 8/31/73, annual salary rate \$16,800 (D105).

14. Transfer of Funds

Amount of Transfer - \$ 1,331

From:	Institute for Physical Sciences Administrative & Professional Salaries	\$ 1,331
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To:	Institute for Physical Sciences Classified Salaries	\$ 1,331
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To provide funds for the establishment of a classified position (D102).

Institute for Chemical Sciences

15. Appoint Weldon S. Burnham, Research Associate, to the Institute for Chemical Sciences, 80% time for the period 6/1/73 thru 8/31/73, annual salary rate \$8,400. Funds for this appointment available from Institute for Chemical Sciences Administrative & Professional Salaries--\$1,075 and Institute for Chemical Sciences Classified Salaries--\$605 (D82).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)SPECIAL ITEMSThe SMU Library Contract

16. Transfer of Funds

Amount of Transfer - \$ 5,000

From:	Tager Participation & Service Fees Maintenance & Operation	\$ 5,000
To:	The SMU Library Contract	\$ 5,000

To provide funds for the SMU Library Contract as finally negotiated. Funds available from Tager Participation and Service Fees Maintenance & Operation (D80).

CONTRACTS AND GRANTSInstitute for Physical Sciences

17. Revise appointment of Richard R. Hodges, Research Scientist, in Institute for Physical Sciences Contracts & Grants from 85% to 100% for the period 6/1/73 thru 8/31/73, annual salary rate \$19,200. Funds available from Institute for Physical Sciences Contracts & Grants (D87).
18. Revise appointment of William B. Hanson, Research Scientist, in the Institute for Physical Sciences Contracts & Grants, from 70% to 75% time for the period 6/1/73 thru 8/31/73, annual salary rate \$37,600. Funds for this appointment available from the Institute for Physical Sciences Contracts & Grants (D88).
19. Revise appointment of Walter J. Heikkila, Research Scientist, in the Institute for Physical Sciences Contracts & Grants from 90% to 100% for the period 6/1/73 thru 8/31/73, annual salary rate \$28,400. Funds for this appointment available from the Institute for Physical Sciences Contracts & Grants (D89).
20. Enter leave of absence without pay to Wolfgang A. Rindler, Research Scientist, in the Institute for Physical Sciences Contracts & Grants, for the period 7/16 thru 8/31/73, annual salary rate \$29,200 (D104).
21. Enter leave of absence without pay to Ivor Robinson, Research Scientist, in the Institute for Physical Sciences Contracts & Grants, for the period 8/5/73 thru 8/31/73, annual salary rate \$36,000 (D106).
22. Resign Worth B. Hurt, Jr., Research Scientist, from Institute for Physical Sciences Contracts & Grants for the period 6/1/73 thru 8/31/73, annual salary rate \$16,800 (D105).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)CONTRACTS AND GRANTS (continued)Institute for Geological Sciences

23. Appoint Dean C. Presnall, Research Scientist, to the Institute for Geological Sciences Contracts & Grants, 16% time for the period 6/1/73 thru 8/31/73, annual salary rate \$17,600. Funds for this appointment available from the Institute for Geological Sciences Contracts & Grants (D83).
24. Appoint James L. Carter, Research Scientist, to the Institute for Geological Sciences Contracts & Grants, 50% time for the period 6/1/73 thru 8/31/73, annual salary rate \$16,400. Funds for this appointment available from the Institute for Geological Sciences Contracts & Grants (D84).

Institute for Molecular Biology

25. Revise appointment for Hans Bremer, Research Scientist, in the Institute for Molecular Biology Contracts & Grants from 48% to 60% time for the period 6/1/73 thru 8/31/73, annual salary rate \$27,200. Funds for this appointment available from the Institute for Molecular Biology Contracts & Grants (D93).
26. Revise appointment for Royston C. Clowes, Research Scientist, in the Institute for Molecular Biology Contracts & Grants from 30% to 50% time for the period 6/1/73 thru 8/31/73, annual salary rate \$36,000. Funds for this appointment available from the Institute for Molecular Biology Contracts & Grants (D94).
27. Revise appointment for Herbert Gutz, Research Scientist, in the Institute for Molecular Biology Contracts & Grants from 65% to 71% for the period 6/1/73 thru 8/31/73, annual salary rate \$21,200. Funds for this appointment available from the Institute for Molecular Biology Contracts & Grants (D95).
28. Revise appointment for John Jagger, Research Scientist, in the Institute for Molecular Biology Contracts & Grants from 50% to 83% for the period 6/1/73 thru 8/31/73, annual salary rate \$28,800. Funds for this appointment available from the Institute for Molecular Biology Contracts & Grants (D96).
29. Revise appointment for Donald J. McCorquodale, Research Scientist, in the Institute for Molecular Biology Contracts & Grants from 60% to 91% for the period 6/1/73 thru 8/31/73, annual salary rate \$27,600. Funds for this appointment available from the Institute for Molecular Biology Contracts & Grants (D97).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)CONTRACTS & GRANTS (continued)Institute for Molecular Biology (continued)

30. Revise appointment for Michael H. Patrick, Research Scientist, in the Institute for Molecular Biology Contracts & Grants from 56% to 84% for the period 6/1/73 thru 8/31/73, annual salary rate \$18,800. Funds for this appointment available from the Institute for Molecular Biology Contracts & Grants (D98).
31. Revise appointment for Claud S. Rupert, Research Scientist, in the Institute for Molecular Biology Contracts & Grants from 50% to 77% for the period 6/1/73 thru 8/31/73, annual salary rate \$34,000. Funds for this appointment available from the Institute for Molecular Biology Contracts & Grants (D99).

SERVICE DEPARTMENTComputer Services

32. Revise appointment for Carl M. Peters, Computer Services, from Assistant Director-Data Processing, 50% time, to Manager-Computing Services, 50% time, with no change in his annual salary rate of \$18,900, for the period 5/1/73 thru 8/31/73. Mr. Peters' time in the Institute for Physical Sciences Contracts & Grants is reduced accordingly. Funds for this appointment available in Computer Services Classified Salaries (D85).

The University of Texas at Dallas
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
302-211	Environmental Science Building		TRB	\$ 100,000.00

Legend:

(TRB) Tuition Revenue Bond Proceeds

THE UNIVERSITY OF TEXAS AT EL PASO
El Paso, Texas

June 18, 1973

Chancellor Charles A. LeMaistre
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Chancellor LeMaistre:

I forward herewith the docket for The University of Texas at El Paso for submission to the Board of Regents at their meeting on July 27, 1973. The docket consists of fourteen (14) pages.

Sincerely,

Halbert D. St. Clair

For Arleigh B. Templeton
President

THE UNIVERSITY OF TEXAS AT EL PASO
El Paso, Texas

Docket for Meeting July 27, 1973

TEXTBOOKS AND OTHER MATERIALS PRESCRIBED FOR THE USE OF STUDENTS

I recommend approval for use during the 1973-74 year the following textbooks written by faculty members:

1. Investment Decisions: A Casebook, by Paul E. Fenlon, Professor in the Department of Economics, sold in the Bookstore for \$4.95 with a royalty of 15% to the author.
2. Mexican Americans, by Ellwyn R. Stoddard, Professor in the Department of Sociology, sold in the Bookstore for \$3.50 per copy with a royalty of 7 1/2% to the author.

GRADUATE FACULTY MEMBERSHIP

Upon nomination by the appropriate area study committee and review by the membership committee, the Graduate Assembly has recommended the appointment of the following colleague to the Graduate Faculty. Dean Beasley and I concur.

College of Science
Physics
Robert G. McIntyre

GIFTS

The following gifts have been received by The University of Texas at El Paso. I recommend acceptance and that expressions of thanks and appreciation of the Board be sent the donors by the Secretary. In the case of scholarships where the recipient is designated by the donor, it has been determined that the donor is a public or charitable institution and that the donation does not constitute an evasion of taxes.

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. * Ella Maybelle Hocker Trust Fund El Paso National Bank Trust Department P. O. Drawer 140 El Paso, Texas 79999	Ella Maybelle Hocker Trust for the Library	\$6,264.71
2. * Mr. Kenneth McDonald, Jr. 209 Ward Drive Hampton, Virginia 23369	Martha Miller McDonald Memorial Scholarship in Music	5,000.00

*No letter of transmittal received from donor.

THE UNIVERSITY OF TEXAS AT EL PASO
Grants, Contracts and Agreements (Non-Governmental)
July 27, 1973

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1. Grant AH-546 by which the Robert A. Welch Foundation, Houston, Texas, provides the sum of \$30,000.00 for support of research entitled "Studies on Organometallic Chemistry". The grant is effective for the period May 1, 1973 through April 30, 1976 and the research will be under the direction of Dr. Keith Pannell, Associate Professor of Chemistry.

2. Grant AH-284 by which the Robert A. Welch Foundation, Houston, Texas, provides the sum of \$45,000.00 for support of research entitled "Molecular Structure Studies by Gas Phase Electron Diffraction". The grant is effective for the period May 1, 1973 through April 30, 1976 and the research will be under the direction of Dr. Michael I. Davis, Professor of Chemistry.

THE UNIVERSITY OF TEXAS AT EL PASO
Grants, Contracts and Agreements (State)
July 27, 1973

247

I recommend ratification of the following interagency contract:

Interagency Contract No. IAC(72-73)-1199 beginning June 1, 1973 and ending August 31, 1973, between The University of Texas System School of Nursing and The University of Texas at El Paso, whereby the University agrees to provide security services for the nursing school located at 1101 North Campbell in El Paso. The University will provide an officer in the building on a schedule of 12 hours a day, Monday through Friday and 24 hours a day on Saturdays, Sundays and holidays. The University of Texas Nursing School will pay the University at a rate of \$1,833.00 per month and billings will be submitted at the end of each month. The contract was approved by the Board of Control on May 18, 1973.

THE UNIVERSITY OF TEXAS AT EL PASO
Federal Contracts and Grants
July 27, 1973

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The following contracts, grants and amendments have been negotiated and have been signed by me upon the recommendation of the directors of the projects. I recommend your approval and ratification of the signatures.

1. Letter modification, dated April 23, 1973, to Contract No. CX 700030165, whereby the Regional Chief, Division of Property Management and General Services, National Park Service, Southwest Regional Office, P. O. Box 728, Santa Fe, New Mexico 87501, authorizes an extension of time to June 30, 1973 for submission of the final report with no change in the contract price as a result of this modification. The majority of expenditures from this award will be made in El Paso County.
2. Grant award number OEG-0-73-0381(343), dated May 1, 1973, whereby the Grants Officer, Educational Broadcasting Facilities Program, Office of Education, Washington, D. C. 20202, awards \$68,406.00 to assist in the expansion of non-commercial educational radio station KTEP-FM operating on Channel 203 at El Paso, Texas for a 12 month period beginning May 1, 1973. The majority of the expenditures from this award will be made in El Paso County.
3. Order No. DABE32-73-D-4936, dated April 17, 1973, to Basic Agreement No. DABD07-71-A-0001, whereby the Contracting Officer, Procurement Division, DIO, P. O. Box 6078, Fort Bliss, Texas 79906, requests that 250 students be enrolled 750 credit hours in the on-post program during the summer sessions, 1973 for which the government undertakes a total obligation of \$8,437.50. The majority of expenditures from this award will be made in El Paso County.
4. Modification number A0001, dated July 1, 1973, to Contract number DAAD07-73-C-0003, whereby the Contracting Officer, Procurement Directorate, STEWS-PR-A, Building 1830, White Sands Missile Range, New Mexico 88002, agrees to extend the period of the basic agreement for off-duty academic instruction by one year from July 1, 1973 to June 30, 1974. All other terms and conditions remain unchanged. The majority of the expenditures from this award will be made in El Paso County.
5. Delivery Order No. DABE32-73-D-4951, dated April 20, 1973, to Basic Agreement DABD07-71-A-0002, whereby the Contracting Officer, Procurement Division, DIO, Fort Bliss, Texas 79906, requests the enrollment during the summer sessions, 1973, of an estimated 20 students for 60 credit hours for which the government will undertake a total obligation of \$375.00. The majority of the expenditures from this award will be made in El Paso County.
6. Contract Number F2965173C-0217, dated April 16, 1973, whereby the Contracting Officer, Procurement Division, P. O. Drawer S, Holloman AFB, New Mexico 88330, authorizes payment of fees for tuition assistance for Air Force Military Personnel for 100 semester hours for a total amount of \$1,125.00 during the period July 1, 1973 through June 30, 1974. The majority of the expenditures from this award will be made in El Paso County.
7. Contract Number DAAD07-73-C-0193, dated May 1, 1973, whereby the Contracting Officer, Procurement Directorate, Building 1830, STEWS-PR-A, White Sands Missile Range, New Mexico 88002, makes an award of \$16,248.00 to produce 10 rocket-borne ozone-temperature sensors and recondition 2 cryogenic samplers during the period May 1, 1973 through April 30, 1974. The majority of the expenditures from this award will be made in El Paso County.
8. Delivery Order No. 0784 (DO #9), dated May 25, 1973 to Educational Service Agreement Number DABE34-72-A-0371, whereby the Contracting Officer, Procurement Division, DIO, Fort Sam Houston, Texas 78234, authorizes 10 students to be enrolled at the University of Texas at El Paso during the Summer Session (72-73) for a total of \$5,348.00. The majority of the expenditures from this award will be made in El Paso County.

Federal Contracts and Grants (Continued)

9. Grant Award No. OEG-6-73-1101, dated May 19, 1973, whereby the Grants Office, Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202, obligates \$126,998.00 in federal funds in support of the Upward Bound Program during the period May 19, 1973 through June 30, 1974. There is no change in terms or conditions. The majority of the expenditures from this award will be made in El Paso County.
10. Modification No. P00004, dated June 5, 1973, to Contract No. DAAD07-72-C-0248, whereby the Contracting Officer, Procurement Directorate, STEWS-PR-A, Building 1830, White Sands Missile Range, New Mexico 88002, notifies the contractor that the estimated cost of performance is increased by the amount of \$25,000.00 from \$147,966.00 to \$172,966.00 pursuant to the Limitation of Funds Clause of Contract. There is no change in terms or conditions. The majority of the expenditures from this award will be made in El Paso County.
11. Delivery Order No. F29651-73-M-6871, dated June 5, 1973, to Contract No. F29651-72-C-0345, whereby the Contracting Officer, Base Procurement Office, P. O. Drawer S, Holloman Air Force Base, New Mexico 88330, authorizes the payment of \$33.75 for tuition assistance for 3 semester hours of education instruction of military personnel from April 30, 1973 through June 22, 1973. The majority of the expenditures from this award will be made in El Paso County.

THE UNIVERSITY OF TEXAS AT EL PASO
Amendments to the 1972-73 Operating Budget
July 27, 1973

EDUCATIONAL AND GENERALGENERAL ADMINISTRATION AND STUDENT SERVICESOffice of the President1. Transfer of Funds:

From: Unallocated Salaries - Other	\$4,700.00
To: Wages	600.00
Maintenance and Operation	1,000.00
Travel	3,100.00

For: To provide necessary additional funds for operation of the office. Additional fund needs created by change in presidents at midyear, resignations of two vice presidents without replacements, and additional travel related to legislative relations, private fund raising, and system consultation. (RBC 327)

Office of Vice President for Business Affairs

2. Accept the resignation of Marshall L. Pennington, Vice President for Business Affairs, effective March 31, 1973, and lapse to Unallocated Salaries - Other \$14,000.00 budgeted for this position. (RBC 300)

Office of the Vice President for Student Affairs

3. Accept the resignation of Gary D. Brooks, Vice President for Student Affairs, effective March 31, 1973, and lapse to Unallocated Salaries - Other \$10,250.00 budgeted for this position. Dr. Brooks will return to full-time teaching. (RBC 292)

4. Louise F. Resley, Assistant Dean of Students and Assistant Professor of Mathematics, retired effective June 30, 1973. Funds in the amount of \$2,333.40 budgeted for this position have been lapsed to Unallocated Salaries - Other. (RBC 330)

Admissions Office5. Transfer of Funds:

From: Travel	\$400.00
To: Maintenance and Operation	400.00

For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 338)

RESIDENT INSTRUCTIONCOLLEGE OF BUSINESS ADMINISTRATIONAccounting6. Transfer of Funds:

From: Maintenance and Operation	\$500.00
To: Wages	500.00

For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 295)

Business

7. Appoint Jean Berridge (non-tenure) as Lecturer (3/4 Time) effective January 29, 1973 for the remainder of the 1973 Spring Semester, at a full-time nine-months rate of \$4,800.00 with the necessary funds in the amount of \$1,638.71 to come from Unallocated Salaries - Faculty. (RBC 291)

8. Increase the nine-months rate of Gertrude W. Dawson (non-tenure), Instructor, effective April 1, 1973 from \$8,500.00 to \$10,000.00 with the necessary funds in the amount of \$333.33 to come from Unallocated Salaries - Faculty. (RBC 302)

9. Increase the nine-months rate of Elizabeth A. Sipes (non-tenure), Instructor, effective April 1, 1973 from \$8,500.00 to \$10,000.00 with the necessary funds in the amount of \$333.33 to come from Unallocated Salaries - Faculty. (RBC 303)

RESIDENT INSTRUCTION (CONTINUED)COLLEGE OF BUSINESS ADMINISTRATION (CONTINUED)Office of the Dean - College of Business Administration

10. Accept the resignation of John M. Richards, Dean and Professor of Economics and Finance, effective May 31, 1973, and lapse to Unallocated Salaries - Other \$6,250.00 budgeted for this position. (RBC 316)

COLLEGE OF EDUCATIONCurriculum and Instruction

11. Increase the nine-months rate of Velma L. Davis (tenure), Assistant Professor, effective April 1, 1973 from \$8,300.00 to \$9,200.00 with the necessary funds in the amount of \$200.00 to come from Unallocated Salaries - Faculty. (RBC 304)

12. Increase the nine-months rate of Hannah B. Selig (tenure), Assistant Professor, effective April 1, 1973 from \$8,600.00 to \$9,500.00 with the necessary funds in the amount of \$200.00 to come from Unallocated Salaries - Faculty. (RBC 305)

Educational Administration

13. Appoint Gary D. Brooks (tenure) as Associate Professor and Department Chairman effective April 1, 1973 for the remainder of the 1973 Spring Semester, at his nine-months rate of \$18,450.00 with the necessary funds in the amount of \$4,100.00 to come from Unallocated Salaries - Faculty. (RBC 293)

14. Accept the resignation of William G. Barber (tenure), Professor, as Department Chairman effective March 31, 1973. Dr. Barber will continue to teach full-time. (RBC 294)

COLLEGE OF LIBERAL ARTSArt

15. Increase the nine-months rate of Ellen W. Coogler (tenure), Assistant Professor, effective April 1, 1973 from \$10,000.00 to \$11,800.00 and effective May 1, 1973 to \$12,000.00 with the necessary funds in the amount of \$422.22 to come from Unallocated Salaries - Faculty. (RBC 306)

English

16. Increase the nine-months rate of Roberta R. Walker (tenure), Assistant Professor, effective April 1, 1973 from \$10,400.00 to \$11,000.00 with the necessary funds in the amount of \$133.33 to come from Unallocated Salaries - Faculty. (RBC 307)

17. Increase the nine-months rate of Holly L. Cabarrus (non-tenure), Instructor, effective April 1, 1973 from \$7,500.00 to \$8,000.00 with the necessary funds in the amount of \$111.11 to come from Unallocated Salaries - Faculty. (RBC 308)

18. Increase the nine-months rate of Mary E. Corn (non-tenure), Instructor, effective April 1, 1973 from \$8,000.00 to \$8,500.00 with the necessary funds in the amount of \$111.11 to come from Unallocated Salaries - Faculty. (RBC 309)

19. Increase the nine-months rate of Mimi R. Gladstein (non-tenure), Instructor, effective April 1, 1973 from \$8,500.00 to \$9,500.00 with the necessary funds in the amount of \$222.22 to come from Unallocated Salaries - Faculty. (RBC 310)

20. Increase the nine-months rate of Carlene A. Walker (non-tenure), Instructor, effective April 1, 1973 from \$8,400.00 to \$8,900.00 with the necessary funds in the amount of \$111.11 to come from Unallocated Salaries - Faculty. (RBC 311)

Mass Communication - Radio/Television

21. Change the status of Louis H. Valles from Operations Manager, Radio Station KTEP (1/8 Time) to Operations Manager, Radio Station KTEP (Full-time) effective March 1 through April 30, 1973, at his annual rate of \$7,200.00 with the necessary funds in the amount of \$1,050.00 to come from Unallocated Salaries - Other. His appointment as Operations Manager, Radio Station KTEP (1/8 Time) for the remainder of the fiscal year remains unchanged. (RBC 301)

Office of the Dean - College of Liberal Arts

22. Transfer of Funds:

From: Travel	\$104.77
To: Wages	104.77
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 324)	

RESIDENT INSTRUCTION (CONTINUED)COLLEGE OF SCIENCEBiological Sciences

23. Accept the resignation of Keith A. Redetzke (non-tenure), Assistant Professor, effective before April 1, 1973, and lapse to Unallocated Salaries - Faculty \$2,822.22 budgeted for this position. (RBC 329)

Geological Sciences

24. Accept the resignation of William N. McAnulty (tenure), Professor, as Interim Department Chairman effective May 31, 1973. Dr. McAnulty will continue to teach full-time. (RBC 317)

25. Appoint Karl W. Klement (tenure), Professor, as Department Chairman effective June 1, 1973. (RBC 318)

Mathematics

26. Increase the nine-months rate of Jule A. Hansen (tenure), Instructor, effective April 1, 1973 from \$8,300.00 to \$8,500.00 with the necessary funds in the amount of \$44.44 to come from Unallocated Salaries - Faculty. (RBC 312)

SUMMER SESSION

27. Lapse to Unallocated Salaries - Faculty \$147,079.00 which is the difference originally budgeted for Summer Session and the amount of the 1973 Summer Session Budget. (RBC 328)

LIBRARY

28. Transfer of Funds:

From: Wages	\$2,200.00
To: Books, Periodicals and Binding	2,200.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 337)	

ORGANIZED RESEARCHSeismic Observatory

29. Appoint Robert G. McIntyre as Director (1/2 Time) effective July 16 through August 31, 1973, at his full-time nine-months rate of \$16,000.00 as Professor of Physics with the necessary funds in the amount of \$1,334.00 to come from the appropriations for Maintenance and Operation in the amount of \$1,134.00 and Travel in the amount of \$200.00. He will also serve as Professor (1/2 Time) in the Department of Physics. (RBC 336)

University Research Institute

30. Appoint Ralph W. Ewton as Associate Professor (1/2 Time) effective June 1 through July 15, 1973, at his full-time nine-months rate of \$14,200.00 as Associate Professor of Modern Languages with the necessary funds in the amount of \$1,183.00 to come from budgeted funds for the College of Liberal Arts - Dr. Ralph W. Ewton. (RBC 339)

31. Appoint David L. Hall as Associate Professor effective July 1 through August 31, 1973, at a nine-months rate of \$9,072.00 with the necessary funds in the amount of \$2,016.00 to come from budgeted funds for the College of Liberal Arts - Dr. David L. Hall. This rate is lower than his nine-months rate of \$12,200.00 as Associate Professor of Philosophy due to the limitation of funds. (RBC 340)

32. Appoint Juan O. Lawson as Research Scientist effective June 1 through July 15, 1973, at his nine-months rate of \$15,500.00 as Associate Professor of Physics with the necessary funds in the amount of \$2,583.00 to come from budgeted funds for the College of Science - Dr. Juan O. Lawson. (RBC 331)

OPERATION AND MAINTENANCE OF PHYSICAL PLANTCampus Security

33. Transfer of Funds:

From: Unallocated Salaries - Other	\$23,978.94
To: Maintenance and Operation	23,978.94
For: To set up a Maintenance and Operation account so the funds can be expended for necessary items. (RBC 299)	

OPERATION AND MAINTENANCE OF PHYSICAL PLANT (CONTINUED)Building Maintenance

34. Transfer of Funds:

From: Salaries	\$14,455.89
To: Maintenance and Operation	14,455.89
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 325)	

Custodial Services

35. Appoint Manuel Gullatt as Custodial Worker effective March 1, 1973, at an annual rate of \$3,576.00 with the necessary funds in the amount of \$1,788.00 to come from Unallocated Salaries - Other in the amount of \$1,677.45 and by transfer of \$110.55 from Building Maintenance - Salaries. (RBC 298)

Grounds Maintenance

36. Transfer of Funds:

From: Salaries	\$1,896.93
To: Maintenance and Operation	1,896.93
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 326)	

CONTRACT RESEARCH AND SERVICESSchellenger Research Laboratory

37. Change the status of Miguel Izquierdo from Research Physicist (3/4 Time) to Research Physicist (7/8 Time) effective May 1 through 31, 1973, at his full-time nine-months rate of \$11,520.00 as Instructor of Electrical Engineering with the necessary funds in the amount of \$160.00 to come from budgeted salaries for one or more Government contracts and/or grants. He will also serve as Instructor (1/8 Time) in the Department of Electrical Engineering. (RBC 334)

38. Reappoint Miguel Izquierdo as Research Physicist (1/4 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$11,520.00 as Instructor of Electrical Engineering with the necessary funds in the amount of \$960.00 to come from budgeted salaries for one or more Government contracts and/or grants. (RBC 335)

Air Force Contract Ph1609-72-C-0020 - Effects of Visual Acuity

39. Accept the resignation of Felton E. Arnold, Research Assistant (1/2 Time), effective April 16, 1973, and lapse to unencumbered salaries \$567.33 budgeted for this position. (RBC 296)

40. Appoint Jon S. Matthew as Research Assistant (1/2 Time) effective April 10 through June 30, 1973, at a full-time annual rate of \$5,520.00 with the necessary funds in the amount of \$621.00 to come from budgeted salaries for this contract. (RBC 297)

HEW Grant OEC-6-72-0723 (509) - Linguistics Cues

41. Appoint Diana S. Natalicio as Assistant Professor effective June 1 through July 15, 1973, at her nine-months rate of \$11,600.00 as Assistant Professor of Linguistics and Modern Languages with the necessary funds in the amount of \$1,933.00 to come from budgeted salaries for this grant. (RBC 319)

Public Health Service Grant 5 S06 RR 08012-02 - Biomedical Research Internship Program

42. Reappoint Gordon W. Robertstad as Director (Part-time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$17,000.00 as Professor of Biological Sciences with the necessary funds in the amount of \$1,833.00 to come from budgeted salaries for this grant. He will also serve as Professor (1/2 Time) in the Department of Biological Sciences. (RBC 320)

43. Reappoint Larry P. Jones as Research Associate (1/2 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$11,000.00 as Lecturer of Biological Sciences with the necessary funds in the amount of \$1,833.00 to come from budgeted salaries for this grant. (RBC 321)

NSF Grant GW-8003 - Cooperative College-School Science Program

44. Appoint James L. Milson as Associate Director effective June 1 through July 15, 1973, at his nine-months rate of \$12,500.00 as Assistant Professor of Curriculum and Instruction with the necessary funds in the amount of \$2,083.00 to come from budgeted salaries for this grant. (RBC 332)

CONTRACT RESEARCH AND SERVICES (CONTINUED)NSF Grant GW-8003 - Cooperative College-School Science Program (Continued)

45. Appoint Max C. Bolen as Director effective June 1 through August 31, 1973, at his nine-months rate of \$16,700.00 as Professor of Physics with the necessary funds in the amount of \$5,567.00 to come from budgeted salaries for this grant. (RBC 333)

RESTRICTED CURRENT FUNDSOTHER RESTRICTED CURRENT FUNDSCorporation for Public Broadcasting - Mass Communication

46. Accept the resignation of Louis H. Valles, Operations Manager, Radio Station WYEP (7/8 Time), effective February 28, 1973 and lapse to unencumbered salaries \$1,050.00 budgeted for this position. (RBC 314)

AUXILIARY ENTERPRISESIntercollegiate Athletics

47. Accept the resignation of Joseph W. Bates, Equipment Manager, effective May 10, 1973, and lapse to unencumbered salaries \$1,379.03 budgeted for this position. (RBC 315)

48. Accept the resignation of George C. McCarty, Director of Intercollegiate Athletics, effective June 7, 1973, and lapse to unencumbered salaries \$5,302.85 budgeted for this position. (RBC 322)

49. Change the status of Jimmy O. Bowden from Assistant Director of Intercollegiate Athletics to Manager of Intercollegiate Athletics effective May 1, 1973 and adjust his annual rate from \$13,300.00 to \$16,900.00 with the necessary funds in the amount of \$1,200.00 to come from budgeted salaries for this department. (RBC 323)

The University of Texas at El Paso
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
	Campus Expansion - Land		CFB	\$ 1,500,000.00
201-126	Fine Arts Complex		CFB	(500,000.00)
			PUF	900,000.00
201-206	Engineering Building and Physical Science Building Addition		PUF	12,450,000.00
			CFB	2,000,000.00
201-276	Site Work and Utility Expansion		PUF	1,000,000.00
201-207	Refurbish Burges, Holliday, Bell, Hudspeth, Benedict, and Worrell Halls		PUF	(519,200.00)
			CFB	1,838,510.00
201-277	Remodeling Magoffin Auditorium		PUF	250,000.00
			Legislative Appropriations	1,346,000.00
201-278	Special Events Center		PUF	8,000,000.00

Legend:

(CFB) Combined Fee Bond Proceeds

(PUF) Permanent University Fund Bond Proceeds

U. T. EL PASO - ALLOCATION OF BUILDING USE AND GENERAL FEES AND THE ADOPTION OF RESOLUTION FIXING RATES IN CONNECTION WITH BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS, THE UNIVERSITY OF TEXAS AT EL PASO STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B OF 1967, BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT EL PASO BUILDING REVENUE BONDS, SERIES 1969, AND BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT EL PASO COMBINED FEE REVENUE BONDS, SERIES 1970 AND SERIES 1971.--In accordance with the provisions of Section 55.16, Texas Education Code, as amended by House Bill 83 adopted by the 63rd Legislature, Regular Session, 1973, it is recommended, effective with the Fall Semester 1973, that the student building use fees and the general fee be assessed and collected at a rate of \$6.50 per semester credit hour for each regular fall and spring semester and for each term of each summer session, allocated as hereinafter set out, and that the following resolution be adopted in connection therewith:

RESOLUTION

THE STATE OF TEXAS }
 }
THE UNIVERSITY OF }
TEXAS SYSTEM }

WHEREAS, it is hereby found and determined that the Student Union Building Use Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, is required to pay all debt service, reserve, and other requirements and expenses in connection with Board of Regents of The University of Texas, The University of Texas at El Paso Student Union Building Revenue Bonds, Series A and B of 1967; and

WHEREAS, it is hereby found and determined that the Student Building Use Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, is required to pay all debt service, reserve, and other requirements and expenses in connection with Board of Regents of The University of Texas System, The University of Texas at El Paso Building Revenue Bonds, Series 1969; and

WHEREAS, it is hereby found and determined that the General Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, is required to pay all debt service, reserve, and other requirements and expenses in connection with the Board of Regents of The University of Texas System, The University of Texas at El Paso Combined Fee Revenue Bonds, Series 1970 and Series 1971.

THEREFORE, BE IT RESOLVED BY THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM:

That commencing with the registration for the regular Fall Semester 1973, the following Student Union Building Use Fee, which, together with other revenues, is pledged to the payment of the aforesaid Board of Regents of The University of Texas, The University of Texas at El Paso, Student Union Building Revenue Bonds, Series A and B of 1967, is hereby fixed levied, charged, and ordered to be collected from each student enrolled at The University of Texas at El Paso for the use and availability of facilities on the campus of The University of Texas at El Paso, as follows:

Student Union Building Use Fee of \$.86 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, the following Student Building Use Fee, which, together with other revenues, is pledged to the payment of the aforesaid Board of Regents of The University of Texas System, The University of Texas at El Paso Building Revenue Bonds, Series 1969, is hereby fixed, levied, charged, and ordered to be collected from each student enrolled at The University of Texas at El Paso for the use and availability of the Gymnasium Facilities and the Library Facilities, as follows:

\$1.38 per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, a General Fee for the general use and availability of the University facilities is hereby fixed and shall be collected from each student regularly enrolled at The University of Texas at El Paso as follows:

\$4.26 per semester credit hour for each of the regular fall and spring semesters, and for each term of each summer session.

THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN

Odessa, Texas

June 21, 1973

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
Austin, Texas 78712

Dear Dr. LeMaistre:

The following docket consisting of pages PB-1 through
PB- 11 is submitted for your approval and presentation
to the Board of Regents at their July 27, 1973 meeting.

Sincerely,



B. H. Amstead
President

THE UNIVERSITY OF TEXAS
OF THE PERMIAN BASIN

Traffic and Parking Regulations
1973-74

I. Introduction

These regulations are promulgated by The Board of Regents of The University of Texas System under authority of Texas Education Code, Subchapter 51 E, Sec. 51.201-51.211 for the protection and safety of the students and property of The University of Texas of the Permian Basin. The term 'vehicle' or 'motor vehicle' includes automobiles, trucks, motorcycles, motorbikes and scooters. All other terms are used as defined in a common dictionary or by statute.

The Rules and Regulations of The Board of Regents of The University of Texas System, as well as the general and criminal laws of the State of Texas, are in full force and effect on the campus of The University of Texas of the Permian Basin and will be enforced. All city, state and University regulations will be enforced throughout all hours of the day and night. University policemen are peace officers pursuant to law and are commissioned by the Board of Regents with full enforcement and authority. The University of Texas of the Permian Basin is a state institution; therefore, all city, county, state and federal enforcement agencies of appropriate jurisdiction have enforcement power upon its campus.

Campus as used herein shall include all the property under the control of The University of Texas of the Permian Basin.

II. Traffic

1. Pedestrians have the right-of-way at all times. The speed limit on campus is 25 m.p.h. unless otherwise posted. Notwithstanding the posted speed limit, any speed in excess of that which is safe for prevailing conditions is prohibited.
2. All vehicular traffic is restricted to improved roadways which are designed and intended for movement of such traffic.
3. All posted signs will be in force at all times. Failure to comply with posted signs will result in enforcement action.
4. ~~[All-traffic-and-parking-regulations-shall-also-apply-to-bicycles.]~~ Bicycles shall be operated in conformity with the applicable ordinances of the City of Odessa and the following:
 - A. Pedestrians at all times shall have the right-of-way over bicyclists.
 - B. Bicycles may not be ridden on pedestrian walk ways and sidewalks.
 - C. Operators of bicycles on the University streets shall comply with all stop signs, yield signs, and other general traffic regulations.
 - D. Bicycles may be parked only in University parking racks or in areas designated for bicycle parking.

5. Persons operating a motor vehicle as defined by these regulations on University property must be licensed to operate such vehicle as required by state law. Such license must be displayed upon request of any peace officer.
 6. No vehicles are to be driven into any barricaded area or parked in violation of any barricade or any other posted traffic sign.
 7. The University of Texas of the Permian Basin assumes no responsibility for the care and/or protection of any vehicle or its contents at any time it is operated or parked on the campus. Furthermore, the University reserves the right to impound any vehicle which is parked improperly or in a manner dangerous to vehicular or pedestrian traffic or which is left parked and unattended in excess of 48 hours without written approval of the University police department. The University assumes no responsibility for cost of removing, impounding and storing such vehicle or any other costs involved in impoundment procedures.
 - [7A:] 8. Abandoned vehicles may be disposed of pursuant to state law. The University will not be liable for damages resulting from removal of vehicles.
 - [8:] 9. The Chief of Police of The University of Texas of the Permian Basin shall have discretionary powers to establish and enforce a policy of traffic control on the campus when such is not specifically provided for by these rules.
- III. General
- [9:] 1. All persons on University property are required to produce proper identification upon request of any peace officer or of any institutional representative as defined by The Board of Regents of The University of Texas System.
 - [40:] 2. Littering of the campus is prohibited.
 - [41:] 3. State law provides that any exhibition use, or threat of exhibition or use of a firearm which interferes with normal campus activities is a felony.
 - [42:] 4. No hunting is allowed on campus.
 - [43:] 5. The campus may be closed to all except authorized persons during such hours as are determined by the president or his designate. Notice of such closing shall be clearly and conspicuously posted at all major entrances to the campus. Authorization to enter during closed hours may be granted by the president, any vice president or the chief of police. Unauthorized entry or remaining upon campus during closed hours constitutes criminal trespass. It is specifically recognized and understood that the employees and agents of entities legally engaged in gas, oil or other mineral operations are authorized to enter for any activity within the normal scope of their employment.
 - [44:] 6. Hitchhiking or solicitation of a ride in any manner from a roadway or the property of the University adjacent to a roadway is prohibited.

IV. Parking

1. Except as herein noted, parking on the campus is prohibited unless the vehicle properly displays a current valid parking permit decal. Exceptions are:
 - A. Vehicles of employees and agents of entities legally engaged in gas, oil or other mineral operations while operating within the scope of their employment
 - B. Vehicles parked within construction fences by persons having legitimate business in the area
 - C. Commercial vehicles parked in delivery areas while making deliveries
 - D. Vehicles parked in visitor parking areas and displaying a valid visitors parking permit
 - E. Vehicles parked at parking meters showing unexpired time.
2. Parking is prohibited on any part of the campus not designated as a parking space. Motor vehicles may be parked in parking spaces only if they bear the appropriate permit.
3. Visitor parking is restricted to those parking spaces marked as such, and under no circumstances are students, employees, or faculty members allowed to park in the visitors' parking spaces. When groups of visitors are involved, arrangements should be made with the Chief of Police, who will issue temporary permits for the visitors to park in other areas if the visitor reserved spaces are not sufficient.
4. Temporary parking permits may be issued through the University Police Office for the purpose of parking in a zone ordinarily restricted. This may be done when it is in the best interest and convenience of the University. Such a temporary permit must be displayed in a visible manner on the windshield of the vehicle.
5. Due to the temporary nature of assigned parking areas, erected parking signs take precedence over any issued parking map.
6. On special occasions and emergencies, parking limitations may be imposed by the Chief of Police.

V. Parking Permits

1. Parking Permit Fees:
 - A. Passenger vehicles and trucks: \$5.00 per year
 - B. Two wheel motorcycles, motorscooters and motorbikes: \$2.50 per year
 - C. Replacement Fee: \$1.00
 - D. Fees are for fiscal year September 1 through August 31 and may be prorated for a partial year.

2. Parking permits will be issued as follows:
 - A. Blue - members of the faculty and staff
 - B. Orange - students
 - C. Green - issued at discretion of Chief of Police to faculty, staff and students whose physical condition warrants
 - D. Yellow - two wheel motorcycles, motorscooters and motorbikes.
3. Parking permits may be refused or cancelled for passenger vehicles or trucks which are of such dimensions as to constitute impediments to the orderly flow of traffic.
4. A permit to park on campus will not be honored unless the decal is permanently affixed to the lower left-hand corner (driver's side) of the back glass, except convertibles and station wagons or any other vehicle whose rear window is concealed. For these vehicles the decal must be permanently affixed to the lower right-hand corner (passenger's side) of the windshield.
5. Parking permit decals for motorcycles, motorbikes, and motorscooters without windshields must be permanently affixed to the vehicle's gas tank or in a location in which the decal may be easily seen and the number on the decal easily read.
6. The decal may not be affixed by tape or other unauthorized material.
7. Permits are not transferrable and must be affixed to the vehicle for which they are issued.
8. The person in whose name the parking permit decal is issued is responsible for all the parking and traffic violations of that motor vehicle for which the permit was issued. If the operator of a motor vehicle involved in a violation is not the person in whose name that parking permit decal was issued, then both the operator and the person in whose name the permit was issued are responsible for the violation.
9. A replacement decal will be issued for a \$1.00 fee whenever there is a sale or transfer of the vehicle, or a replacement of the rear window or windshield provided the remnants of the original decal are turned in to the Accounting Office.
10. If after having bought a parking permit, it becomes necessary to use a non-registered vehicle for emergency or other reasons, a special parking permit must be obtained from the University Police Office and affixed to the vehicle in the proper manner. A special temporary permit will be given for periods not to exceed five (5) school days and no more than three (3) in succession.

11. A faculty or staff member may have a parking permit issued for a second vehicle, however, only one of the vehicles may be regularly parked on the campus.
12. Parking permits will not be sold to any person who owes administrative service fees for campus tickets or to one who has been barred from operating or parking a motor vehicle on campus.

VI. Specific Violations

1. Parking citations may be received for:
- A. Driving in an imprudent manner
 - B. Parking in areas not designated for the decal issued
 - C. Parking in loading zones
 - D. Parking in driveways
 - E. Forging or altering a permit, or using a forged or altered permit
 - F. Committing any of the following acts with the intention of providing any person with parking privileges to which he is not entitled under these regulations:
 - a. Transferring a permit
 - b. Affixing a permit to a vehicle other than that for which it was issued
 - c. Failing to destroy a permit when required to do so by these regulations
 - d. Parking or driving a vehicle to which there has been affixed a permit other than that issued for such a vehicle, with knowledge thereof
 - G. Parking on wrong side of street
 - H. Blocking cross-walk
 - I. Failing to park within the lines of individually marked spaces
 - J. Parking on campus when parking privileges have been suspended
 - K. Altering, damaging, moving, or ignoring University traffic signs or markings
 - L. Failing to display parking permit in prescribed manner or location
 - M. Failing to obey request and/or directions of a University Police Officer
 - N. Parking in a backed-in position
 - O. Over-parking in a time-limited zone
 - P. Parking an unregistered vehicle

- Q. Failing to stop before passing stop sign
- R. Operating motor vehicle in prohibited direction on one-way street or parking lot lanes
- S. Driving on sidewalks
- T. Failing to yield right-of-way to pedestrians
- U. Driving vehicle into barricaded area or removing barricades
- V. Violating any of the provisions of the Official Texas Motor Vehicle Laws Booklet
- W. Exceeding speed limit.

[IV.----Enforcement

Violations-of-these-regulations-are-violations-of-the law-and-the-offender-will-be-subject-to-criminal-prosecution.--However,-the-best-system-of-enforcement-is that-of-voluntary-compliance-and-cooperation-by-those who-are-to-be-protected.]

VII. Enforcement

- 1. Two types of traffic tickets may be issued for violation of these regulations.

A. Campus tickets:

- (1) Campus tickets may be issued by the University Police Officers.
- (2) When a campus traffic ticket is issued, the person in whose name the motor vehicle has been registered on campus and in whose name the parking permit decal was issued must pay an administrative service fee. The fee shall be \$1.00 for the first violation, \$5.00 for the second violation, and \$10.00 for the third violation occurring within a one year period. Additional tickets may result in the loss of all parking privileges for up to one year. These fees shall be paid at the Accounting Office.

B. Appeals:

- (1) Appeal of a campus type traffic ticket may be made within five days to the Traffic Committee. The action of the Committee shall be final.
- (2) Any person who has received a campus traffic ticket may appeal by filing a written statement, setting forth the grounds on which he believes that the campus ticket should be dismissed. If the person receiving the ticket desires to appear in person before members of

the Traffic Committee he shall request such personal appearance in the written statement. The written statement must be presented to the chairman of the Traffic Committee within five days from the date of issue on the ticket.

- (3) If the Traffic Committee rules in favor of the appellant, he shall be entitled to reimbursement for any fee that he has paid to the University Accounting Office as a result of such alleged violation.

C. Court appearance tickets:

- (1) Court appearance tickets may be issued by commissioned University Police Officers and such tickets shall constitute a summons to appear in justice court or municipal court in the same manner as traffic tickets issued by the Texas Highway Patrol.
- (2) Penalties, as provided by law, may be imposed by the justice or municipal court for violations of the Traffic and Parking Regulations of The University of Texas of the Permian Basin.

2. Cancellation of Parking Privilege:

- A. The Traffic Committee may prohibit a person from operating or parking a motor vehicle on Campus if that person has failed to pay the administrative service fee for a campus traffic ticket within five days of issuance or has received four or more tickets in a year or who in their judgment has been guilty of some flagrant violation. Such suspension of the privilege of driving or parking on the campus may be imposed for a period not to exceed one year.
- B. If a person has been barred from operating or parking on the campus and he continues to do so, this may be grounds for dismissal.

3. Reinstatement of Parking Privilege:

- A. At the discretion of the Traffic Committee a person whose privilege of parking a motor vehicle on Campus has been suspended or cancelled may obtain restoration of his privilege if he pays a reinstatement fee of \$10.00. This will be in addition to any other fees due for traffic violations.

THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET JUL 27 1973

GENERAL INSTITUTIONAL EXPENSE:

1. Transfer of Funds:

From:	General Resident Instruction Expense, Unallocated Faculty Salaries	\$1,200
To:	General Institutional Expense, Consultants	\$1,200
For:	Providing additional funds needed for Consultants (RBC #34)	

RESIDENT INSTRUCTION:

2. Promote Mrs. Theresia Trotter from Senior Secretary, Support Services Division, at an annual salary rate of \$5364 to Administrative Assistant, Office of the Dean of Management, at an annual rate of \$7944, effective April 15, 1973. Funds needed will come from the Emergency Employment Act Grant. (RBC #32)
3. Transfer of Funds:

From:	Office of the Dean, College of Management, Classified Salaries	\$4,000
To:	Office of the Dean College of Management, Travel	\$4,000
For:	Providing additional funds needed for Travel (RBC #45)	
4. Appoint Mr. Bernard Martin Tucker as Associate Professor of Management, (without tenure), for period 5-23-73/8-31-73 at an academic rate of \$15,500. Source of funds: Summer Session Salaries. (RBC # 39)
5. Appoint Dr. Halsey R. Jones as Associate Professor of Management and Chairman of Management Faculty, (without tenure), for period 5-20-73 / 8-31-73 at an academic rate of \$18,500. Source of funds: Summer Session Salaries. (RBC #38)
6. Appoint Dr. U. Vincent Manion as Associate Professor of Management, (without tenure), for period 5-23-73/8-31-73 at an academic rate of \$16,000. Source of funds: Summer Session Salaries. (RBC #37)
7. Appoint Dr. John M. Burnham as Associate Professor of Management, (without tenure), for period 6-1-73/8-31-73 at an academic rate of \$17,500. Source of funds: Summer Session Salaries. (RBC #40)
8. Appoint Mr. Kenneth Charles Wolfe as Associate Professor of Business Law & Management, (without tenure), for period 5-22-73/8-31-73 at an academic rate of \$14,500. Source of funds: Summer Session Salaries. (RBC #41)
9. Appoint Dr. Eugene Adolph Nini as Professor of Accounting and Chairman of Accounting, (without tenure), for period 5-22-73/8-31-73 at an academic rate of \$21,000. Source of funds: Summer Session Salaries. (RBC # 42)

10. Appoint Dr. John Taylor Sims, Jr. as Associate Professor of Marketing, (without tenure), for period 5-24-73/8-31-73 at an academic rate of \$18,000. Source of funds: Summer Session Salaries. (RBC #43)
11. Appoint Marvin D. Weiss as Director of Laboratories, Office of the Dean, College of Science and Engineering, for period 4-18-73/8-31-73 at a salary rate of \$14,000 for 12 months. Source of funds: \$3800 is available in Administrative Salaries and transfer \$1372.20 from Office of the Dean, College of Science and Engineering, Classified Salaries Account. (RBC #33)
12. Transfer of Funds:
- | | | |
|-------|--|---------|
| From: | General Resident Instruction
Expense, Unallocated Faculty
Salaries | \$5,000 |
| To: | Office of the Dean, College of
Arts and Education, Equipment | \$5,000 |
| For: | Providing additional funds needed
for Equipment (RBC #35) | |
13. Appoint Dr. Munro Shintani as Associate Professor of Pedagogical Studies, (without tenure), for period 5-23-73/8-31-73 at an academic rate of \$15,500. Source of funds: Summer Session Salaries. (RBC # 36)
14. Appoint Dr. Joel Greenspoon as Professor and Chairman of the Faculty of Psychology, (without tenure), for period 5-22-73/8-31-73 at an academic rate of \$21,000. Source of funds: Summer Session Salaries. (RBC # 44)

The University of Texas of the Permian Basin
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

<u>Project No.</u>	<u>Project Title</u>	<u>Source of Funds</u>		<u>Amount</u>
		<u>From</u>	<u>To</u> (New or Additional Appropriation)	
501-279	President's Residence		TRB	\$ 60,000.00

Legend:

(TRB) Tuition Revenue Bond Proceeds

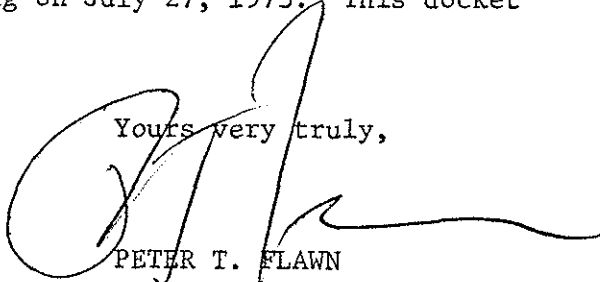
THE UNIVERSITY OF TEXAS AT SAN ANTONIO
Office of the President
June 18, 1973

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Dr. LeMaistre:

The enclosed docket for The University of Texas at San Antonio is submitted for your approval and presentation to the Board of Regents at the next meeting on July 27, 1973. This docket contains ten (10) pages.

Yours very truly,

A large, stylized handwritten signature in black ink, appearing to read 'P. Flawn', is written over the typed name below.

PETER T. FLAWN

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO

10 + 7

GIFTS: Acceptance is recommended for the following gift which has been received:

<u>Donor</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. Ewing Halsell Foundation Travis Park West 711 Navarro San Antonio, Texas 78205	Contribution for the purchase of the Morris Cook Collection of the works of J. Frank Dobie.	\$17,000.00

Cap

PROPERTY DEPOSIT: Approval is recommended for the following policy to be adopted for The University of Texas at San Antonio beginning with the Fall Semester of 1973-74:

1. Every student registering at UT San Antonio will be required to make and maintain a property deposit of \$10.00. The records will be reviewed from time to time, and if charges have been made against the deposit, the student may be required to bring the deposit up to \$10.00.

The deposit will be refunded only when the student withdraws from school or graduates.

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL)
July 27, 1973

Q x A

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is requested for the following:

1. Agreement between Trinity University and The University of Texas at San Antonio, signed by Vice President E. M. Mahon, whereby Trinity University agrees to furnish limited computer services to The University of Texas at San Antonio. This agreement will permit The University of Texas at San Antonio to have interim computer capability pending other more permanent, on-campus facilities.

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
GRANTS, CONTRACTS AND AGREEMENTS (STATE)
July 27, 1973

0 7 7

GRANTS, CONTRACTS AND AGREEMENTS (STATE): Approval is requested for the following:

1. Interagency Cooperation Contract No. IAC (72-73)-1218, between The University of Texas at Austin (Computation Center) and The University of Texas at San Antonio, signed by President Peter T. Flawn, whereby The University of Texas at Austin agrees to temporarily furnish computer services, keypunching and verifying services, and consulting services to The University of Texas at San Antonio. The contract period is from June 1, 1973 through August 31, 1973. Total amount not to exceed \$5,000.00.
2. Interagency Cooperation Contract No. IAC (72-73)-577, Amendment No. 1, between The University of Texas Health Science Center (Medical School) and The University of Texas at San Antonio, signed by Vice President E. M. Mahon, whereby The University of Texas Health Science Center (Medical School) agrees to furnish supplies and services to The University of Texas at San Antonio. The amended contract period is from May 18, 1973 to August 31, 1973. The amount is amended by an increase of from \$10,000.00 to \$20,000.00.

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)
 JUL 27 1973

Q & F

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL): Approval is requested for the following:

Department of Health, Education, and Welfare
 Office of Education
 Bureau of Higher Education

1. Letter of Award, Transaction No. 1003667E
College Work-Study Program

This program will provide matching salary funds for qualified graduate-level students who participate in approved work-study programs.

Salvador H. Gomez, Director of Student Financial Aids

July 1, 1973 through June 30, 1974

\$87,960.00

Bexar County

Department of Health, Education, and Welfare
 Office of Education
 Bureau of Libraries and Learning Resources

2. Grant No. OEG-0-73-4961
College Library Resources Program

This program provides funds for the acquisition of higher education library materials.

Michael F. Kelly, Director of Library

June 30, 1973 through June 30, 1974

\$5,000.00

Bexar County

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET
July 27, 1973

Approval is requested for the following:

GENERAL ADMINISTRATION

Office of the Dean of Students

1. Appoint Mr. John Michel as Director, Community and Student Affairs, at an annual salary rate of \$16,000.00, effective April 15, 1973. Funds needed, in the amount of \$6,044.38, are to come from Unallocated - Including Special Equipment account. Mr. Michel has served as Associate Director of Admissions, Office of Admissions, at an annual salary rate of \$15,384.00 prior to his new appointment. (RBC 117)

Office of the Business Manager

2. Change the budgetary designation of the Office of Fiscal Services to the Office of the Business Manager, effective May 1, 1973. (RBC 134)

RESIDENT INSTRUCTION

College of Business

Division of Management

3. Appoint Dr. Patricia L. Burr (non-tenure) as Assistant Professor, at an academic salary rate of \$13,500.00 for nine months, effective May 1, 1973. Funds needed, in the amount of \$6,000.00, are to come from Unallocated Faculty Salaries and Unallocated Faculty Salaries - Summer School accounts. (RBC 122)
4. Appoint Dr. Richard B. Wadsworth (non-tenure) as Associate Professor, at an academic salary rate of \$17,000.00 for nine months, effective May 15, 1973. Funds needed, in the amount of \$6,702.54, are to come from Unallocated Faculty Salaries account. (RBC 128)

College of Humanities and Social Sciences

Division of English Language , Literature, and Linguistics

5. Appoint Dr. Curtis W. Hayes (initial request for tenure) as Associate Professor, at an academic salary rate of \$15,500.00 for nine months, effective July 1, 1973. Funds needed, in the amount of \$3,444.44, are to come from Unallocated Faculty Salaries - Summer School account. (Revised RBC 131)
6. Appoint Dr. Mary Q. Kelly (without tenure) as Associate Professor (half-time), at an academic salary rate of \$12,000.00 for nine months, effective June 1, 1973 through July 15, 1973. Funds needed, in the amount of \$1,000.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 110)

Division of Foreign Languages, Literature, and Linguistics

7. Appoint Dr. R. Joe Campbell (without tenure) as Associate Professor, at an academic salary rate of \$15,000.00 for nine months, effective June 1, 1973. The funds needed, in the amount of \$5,000.00, are to come from the Faculty Salaries account. (RBC 133)

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET (continued)RESIDENT INSTRUCTIONCollege of Humanities and Social SciencesDivision of Social Sciences

8. Appoint Dr. Leslie D. Zeleny (without tenure) as Lecturer (half-time), at an academic salary rate of \$18,000.00 for nine months, effective June 1, 1973 through July 15, 1973. Funds needed, in the amount of \$1,500.00 are to come from Unallocated Faculty Salaries - Summer School account. (RBC 119)

College of Multidisciplinary StudiesDivision of Advanced Studies in Education

9. Appoint Mrs. Collene J. Ahrendt (without tenure) as Lecturer, at an academic salary rate of \$10,000.00, effective June 1, 1973 through July 15, 1973. Funds needed, in the amount of \$1,666.67, are to come from Unallocated Faculty Salaries account. (RBC 147)
10. Appoint Dr. V. J. Kennedy (without tenure) as Visiting Associate Professor, at an academic salary rate of \$15,300.00 for nine months, effective June 1, 1973 through July 15, 1973. Funds needed, in the amount of \$2,550.00, are to come from Unallocated Faculty Salaries account. (RBC 132)
11. Appoint Dr. Caryl N. Seals (without tenure) as Lecturer, at an academic salary rate of \$11,600.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$3,866.66, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 108)
12. Appoint Dr. James M. Seals (without tenure) as Lecturer, at an academic rate of \$14,400.00 for nine months, effective June 1, 1973 through July 15, 1973. Funds needed, in the amount of \$2,400.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 109)

College of Sciences and MathematicsDivision of Earth and Life Sciences

13. Appoint Dr. Theodore D. McKinney (without tenure) as Associate Professor, at an academic salary rate of \$15,000.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$5,000.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 107)
14. Appoint Dr. Helen V. Oujesky (without tenure) as Associate Professor (without salary), effective June 1, 1973. (RBC 118)

Division of Mathematics and System Design

15. Reappoint Dr. William B. Gearhart (tenure), as Associate Professor, at an academic salary rate of \$15,100 for nine months, effective July 16, 1973 through August 31, 1973. Funds needed, in the amount of \$2,516.67, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 129)
16. Appoint Dr. Lucio Tavernini (initial request for tenure) as Associate Professor, at an academic salary rate of \$15,900.00 for nine months, effective July 1, 1973. Funds needed, in the amount of \$3,533.32, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 116)

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET (continued)RESIDENT INSTRUCTIONOrganized Activities Related to InstructionOffice of Instructional Services

17. Change the budgetary designation of the Media Center to Office of Instructional Services, effective May 1, 1973. (RBC 121)

LIBRARY

18. Appoint Mrs. Margaret A. Joseph as Reference Librarian, at an annual salary rate of \$12,000.00, effective June 18, 1973. Funds needed, in the amount of \$2,433.33, are provided for in the Administrative and Professional Salaries account. (RBC 142)
19. Appoint Mr. John R. McNeely as Reference Librarian, at an annual salary rate of \$10,000.00, effective July 15, 1973. Funds needed, in the amount of \$1,290.33, are provided for in the Administrative and Professional Salaries account. (RBC 141)
20. Appoint Mrs. Sallieann C. Swanner as Catalog Librarian, at an annual salary rate of \$9,000.00, effective June 1, 1973. Funds needed, in the amount of \$2,250.00, are provided for in the Administrative and Professional Salaries account. (RBC 145)

ORGANIZED RESEARCHCenter for Studies in Business, Economics, and Human Resources

21. Change the budgetary designation of Business and Human Resource Center to Center for Studies in Business, Economics, and Human Resources, effective April 1, 1973. (RBC 123)
22. Change the source of funds only for Dr. Antonio Furino, Director (half-time), Business and Human Resource Center at an annual salary rate of \$12,000.00, from \$5,000.00 from General Budget to \$1,816.67 from General Budget and \$3,183.33 from Alamo Area Council of Governments Grant. Remaining General Budget funds are to go to Unallocated Including Special Equipment account. Dr. Furino (non-tenure) is also appointed as Associate Professor (half-time) College of Business, Division of Economics and Finance, at an annual salary rate of \$12,000.00. (RBC 112)

BUDGET TRANSFERS23. Transfer of Funds

Amount of Transfer: \$51,500.00

To: Office of Admissions, Equipment	\$ 10,000.00
Office of General Services, Equipment	3,000.00
Personnel Office, Equipment	2,000.00
Mail Service, Equipment	7,000.00
College of Business, Division of Economics and Finance, Equipment	3,000.00
College of Business, Office of the Dean, Maintenance and Operation	2,000.00
College of Fine and Applied Arts, Office of the Dean, Equipment	2,500.00
College of Multidisciplinary Studies, Division of Advanced Studies in Education, Equipment	1,500.00

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET (continued)

BUDGET TRANSFERS23. Transfer of Funds (continued)

To: (continued)

College of Sciences and Mathematics, Office of the Dean, Equipment	\$ 5,500.00
Physical Plant (General Services), Equipment	15,000.00
From: Unallocated Including Special Equipment	\$ 51,500.00
For: To provide for needed equipment and funds for maintenance and operation for these offices and divisions for the opening of the graduate programs. (RBC 137)	

24. Transfer of Funds

Amount of Transfer: \$30,605.04

To: Vice President for Academic Affairs, Classified Salaries	\$ 2,598.58
Office of the Dean of Students, Clas- sified Salaries	5,259.75
Office of General Services, Classified Salaries	2,906.80
Office of General Services, Travel	1,000.00
Personnel Office, Classified Salaries	1,074.00
College of Business, Division of Economics and Finance, Classified Salaries	1,708.00
College of Humanities and Social Sciences, Office of the Dean, Classified Salaries	1,836.00
College of Multidisciplinary Studies, Division of Certificate Programs in Education, Classified Salaries	1,341.00
Division of Continuing Education, Office of the Dean, Classified Salaries	1,876.00
College of Sciences and Mathematics, Divi- sion of Mathematics and Systems Design, Classified Salaries	1,717.82
Office of Instructional Services, Classified Salaries	1,868.99
Physical Plant (Campus Security), Classified Salaries	1,770.10
Physical Plant (Building Maintenance), Clas- sified Salaries	2,648.00
Unallocated Faculty Salaries	3,000.00
From: Office of General Services (Wages)	\$ 1,832.80
Unallocated, General Administration Travel	1,000.00
College of Business, Unallocated, Classified Salaries	1,708.00
College of Humanities and Social Sciences, Division of Foreign Languages, Literatures, and Linguistics, Faculty Salaries	3,000.00
Office of the Dean (Wages)	300.00
Unallocated Classified Salaries	1,536.00
College of Multidisciplinary Studies, Unal- located Classified Salaries	1,876.00
College of Science and Mathematics, Unallocated Classified Salaries	1,717.82

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET (continued)BUDGET TRANSFERS24. Transfer of Funds (continued)

From: (continued)

Physical Plant (Grounds Maintenance), Wages	\$ 2,648.00
Unallocated Including Special Equipment	14,986.42
For: To provide the classified salaries and travel funds necessary to enable these departments and colleges to initiate graduate programs for the summer. (RBC 111, 113, 115, 120, 125, 126, 130, 135, 133, 140, 144, 146, and 148)	

25. Transfer of Funds

Amount of Transfer: \$ 6,055.00

To: Center for Studies in Business, Economics, and Human Resources	
Classified Salaries	\$ 2,455.00
Maintenance and Operation	3,000.00
Travel	600.00
From: Unallocated Including Special Equipment	\$ 6,055.00
For: To establish budgetary accounts and to provide funds for the establishment of an organized research unit through the balance of the fiscal year. (RBC 124)	

26. Transfer of Funds

Amount of Transfer: \$48,500.00

To: College of Business, Office of the Dean, Equipment	\$ 6,500.00
College of Fine and Applied Arts, Office of the Dean, Equipment	1,500.00
College of Humanities and Social Sciences, Office of the Dean, Equipment	7,500.00
College of Multidisciplinary Studies, Division of Certificate Programs in Education, Equipment	1,500.00
College of Sciences and Mathematics, Office of the Dean, Equipment	500.00
Library, Equipment	20,000.00
Physical Plant (Administration), Equipment	5,000.00
Office of Fiscal Services, Equipment	6,000.00
From: Unallocated Including Special Equipment	\$ 48,500.00
For: To provide needed equipment purchases for these offices and divisions for the opening of the graduate program. (RBC 114)	

The University of Texas at San Antonio
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

<u>Project No.</u>	<u>Project Title</u>	<u>Source of Funds</u>		<u>Amount</u>
		<u>From</u>	<u>To</u> (New or Additional Appropriation)	
401-153	Building and Facilities		TRB	\$ 4,067,781.80
401-281	Depression of F.M. 1604 for Campus Entrance		TRB	600,000.00

Legend:

(TRB) Tuition Revenue Bond Proceeds

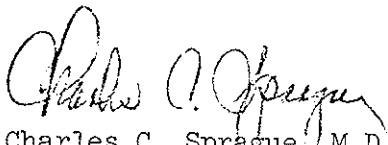
THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
5323 Harry Hines Boulevard, Dallas, Texas 75235

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
Austin, Texas 78712

Dear Dr. LeMaistre:

The following docket consisting of 85 pages for The University of Texas Health Science Center at Dallas is submitted for your approval and presentation to the Board of Regents at their next meeting on July 27, 1973.

Respectfully submitted,



Charles C. Sprague, M.D.
President

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

BOARD OF REGENTS MEETING - JULY 27, 1973

TRAVEL

DALLAS HEALTH SCIENCE CENTER

1. Revision on travel request for James M. Nelson, Lee E. Howe, and Randal G. Eubank all of which are Patrolmen, University Police, to travel to The University of Texas Police Academy in Austin to attend training session from April 8, 1973 to June 21, 1973 instead of June 16, 1973; expenses will be paid by the University Police Department.

DALLAS MEDICAL SCHOOL

2. Jay P. Sanford, M.D., Professor of Internal Medicine, to travel to South Viet Nam on academic development leave (AMA Volunteer Physician's for Viet Nam program) from May 7, 1973 to June 15, 1973; expenses will be paid by the American Medical Association.

3. Peter Stastny, M.D., Associate Professor of Internal Medicine, to travel to Sao Paulo and Rio de Janeiro, Brazil, and Lima, Peru from June 6, 1973 to July 13, 1973 for the purpose of attending two 5-day meetings and a 10-day symposium; no expenses are requested.

GIFTSDALLAS MEDICAL SCHOOL

<u>Donor</u>	<u>Amount</u>
* 1. Merck, Sharp & Dohme Rahway, New Jersey 07065	
<u>Purpose and Condition.</u> Support for work done by Sami Said, M.D., Department of Internal Medicine, with intestinal and lung peptides.	\$5,000.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL)DALLAS HEALTH SCIENCE CENTER

* W. K. Kellogg Foundation
400 North Avenue
Battle Creek, Michigan 49016

2. Teaching Grant
"Dallas Area Hospital Television System." A program which
will offer and analyze continuing education via television
on a hospital-wide basis.
May 1, 1973 through April 30, 1976
\$21,000.00

DALLAS ALLIED HEALTH SCIENCE SCHOOL

3. Lease agreement whereby the Dallas Allied Health Sciences School leases from the Maplewood Plaza, Billy Underwood Company, 5925 Maple #200, Dallas, Texas 75235, approximately 15,700 square feet of space located at 5925-6003 Maple, Dallas, Texas 75235, for a 48-month period beginning August 1, 1973 through July 31, 1977, at the rental rate of \$5,100.00 per month for use as office, storage, classroom, and laboratory space.

*Original Award Letter Not Received

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL

4. Lease agreement whereby the Dallas Medical School extends its lease with the 2600 Stemmons Freeway Company for 2200 square feet situated at Suite 210 - 2600 Stemmons Freeway, Dallas, for an additional two-month period after the July 31, 1973 expiration date or through September 30, 1973 at the same rental rate of \$962.50 per month for use as office and clinic space.

5. Agreement whereby the University of Texas Southwestern Medical School will purchase from William Snyder, M.D., Department of Surgery, one used Zeiss microscope (Purchase Order No. 9126) for \$500.00 for the use of Morton Prager, M.D., Departments of Biochemistry and Surgery; funding is available from NIH Grant 5 R01-CA11113-05 and NIH Grant 3 R01-CA1208901S1.

American Heart Association, Inc.
44 East 23rd Street
New York, New York 10010

6. Research Grant 72 668
"Antibody Methods for Studying Intrarenal Hemodynamics."
A continuation grant.
Floyd C. Rector, Jr., M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$17,050.00
7. Research Grant 73 935
"Low Renin Hypertension - Definition and Mechanism." A
clinical study.
David C. Kem, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$16,500.00
8. Research Grant 73 665
"Dimensional Analysis of the Heart in Conscious Dogs." A
study in left ventricular volume.
Stephen J. Leshin, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$15,400.00
9. Research Grant 73 677
"Effect of Aortic Counterpulsation on RV Coronary Flow."
A study of coronary flow.
David E. Fixler, M.D., Department of Pediatrics
July 1, 1973 through June 30, 1974
\$19,250.00
10. Research Grant 72 629
"Genetic Approaches to the Hyperlipoproteinemias." A
continuation grant.
Joseph L. Goldstein, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$17,600.00
11. Research Grant 72 774
"The Angiotensin I Converting Enzyme." A continuation
grant.
Ervin G. Erdos, M.D., Department of Pharmacology
September 1, 1973 through August 31, 1974
\$12,650.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

American Medical Association
535 North Dearborn Street
Chicago, Illinois 60610

12. Subcontract modification (Amendment No. 9) between the AMA and the Dallas Medical School for developing and maintaining an interdepartmental relationship between the Department of Pediatrics and its counterpart at the University of Saigon, South Vietnam; supercedes all previous financial agreements which included support for any part of this calendar year; provides support in the amount of \$147,804 for the period January 1, 1973 through December 31, 1973.

The Arthritis Foundation
1212 Avenue of the Americas
New York, New York 10036

- * 13. Fellowship Grant
Postdoctoral Fellowship for Moshe Rosenthal, M.D.,
Department of Internal Medicine
March 1, 1973 through February 28, 1974
\$9,000.00
14. Research Grant
Arthritis Clinical Research Center; support for clinical research in arthritis.
Morris Ziff, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
Reduction in budget from \$22,000.00 to \$14,000.00

The Central Pharmacal Company
116-128 East Third Street
Seymour, Indiana 47274

15. Research Grant
"Efficacy of Niferex-150 for Correcting Iron Deficiency Anemia and Replenishing Iron Stores." Clinical tests of a new Iron compound.
Jack A. Pritchard, M.D., Department of Obstetrics and Gynecology
\$10,000.00

CIBA Pharmaceutical Company
Summit, New Jersey 07901

16. Research Grant
"Phase II Study of Ser-Ap-E and Components." A drug study.
Norman M. Kaplan, M.D., Department of Internal Medicine
\$2,600.00 additional funds

Dallas Diabetes Association, Inc.
4232 Herschel Street
Dallas, Texas 75219

17. Research Grant
"Regulation of Lipid Metabolism in Cultured Cells in Diabetic and Normal Subjects." Study of enzymatic regulation of cholesterol metabolism in human cells.
J. L. Goldstein, M.D., Department of Internal Medicine
\$6,000.00

* Original Award Letter Not Received

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

Ethicon, Inc.
 Research Division
 Somerville, New Jersey 08876

- * 18. Research Grant
"Evaluation of XLG Polyester Suture."
 R. C. Jones, M.D., Department of Surgery
 \$2,000.00 additional funds

National Research Council
 2101 Constitution Avenue
 Washington, D. C. 20418

19. Grant SA 73-4 (3) whereby Robert W. Parkey, M.D., has been reappointed as James Picker Foundation Scholar in Radiological Research for the period from September 1, 1973 through August 31, 1974 in the amount of \$9,333.00 under the direction of E. E. Christensen, M.D., Acting Chairman of the Department of Radiology.

The Robert A. Welch Foundation
 2010 Bank of the Southwest Building
 Houston, Texas 77002

- * 20. Research Grant I-181
 Amended Budget Request for the period May 1, 1972 through April 30, 1973
 Dr. Pentti K. Siiteri, Department of Biochemistry
 No new funds involved.
- * 21. Research Grant I-454
 Amended Budget Request for the period May 1, 1972 through April 30, 1973.
 Dr. Charles E. Mize, Department of Biochemistry
 No new funds involved.

Smith, Kline & French Laboratories
 1500 Spring Garden Street
 Philadelphia, Pennsylvania 19101

22. Research Grant
"Double-Blind Crossover Comparison of SK&F 40383 and Ephedrine."
 Comparative study of a new bronchodilator.
 A. K. Pierce, M.D., and W. G. Johanson, M.D., Department of Internal Medicine
 \$16,560.00

University of Southern California
 2025 Zonal Avenue
 Los Angeles, California 90033

23. Contract No. N01 HL2-2905 (B), Purchase Order No. M-817623
"Clinical Trial-Hyper-Immune Gamma Globulin for Treatment of Acute Fulminant Viral Hepatitis - Participating Centers."
 Supplemental support for a second year's work on the treatment of Fulminant Hepatitis contract.
 Burton Combes, M.D., Department of Internal Medicine
 May 1, 1973 through November 30, 1973
 \$1,368.00

* Original Award Letter Not Received

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

The Upjohn Company
Kalamazoo, Michigan 49001

24. Research Grant
Additional support for the evaluation of U,10,858 Protocol 706.
A drug study.
William Pettinger, M.D., Department of Pharmacology
\$5,000.00
25. Research Grant
Additional support for the evaluation of U-10,858, Protocol 703.
A drug study.
William Pettinger, M.D., Department of Pharmacology
\$1,125.00
26. Research Grant
Additional support for the evaluation of U-26,597A Phase II-III
Protocol 005, third year study.
Marvin D. Siperstein, M.D., Ph.D., Department of Internal Medicine
\$8,000.00

D + F

GRANTS, CONTRACTS AND AGREEMENTS (STATE)DALLAS HEALTH SCIENCE CENTER

1. Interagency Cooperation Contract No. IAC(72-73)-1171 whereby the University of Texas Health Science Center at Dallas agrees to acquire and condition two primates for the University of Texas at Arlington Psychology Department during the period May 1, 1973 through August 31, 1973 for an amount not to exceed \$250.00.
2. Interagency Cooperation Contract No. IAC(72-73)-1188 whereby the Texas A & M Data Processing Center agrees to design and implement a "Policeman system for NTRCC" for the University of Texas Health Science Center during the period May 15, 1973 to July 1, 1973 for an amount not to exceed \$2,800.00.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

FEDERAL CONTRACTS AND GRANTS

BOARD OF REGENTS MEETING - JULY 27, 1973

D & F

DALLAS HEALTH SCIENCE CENTER

Department of Health, Education and Welfare
Public Health Service

1. Regional Medical Library Grant 5 G04 IM 01604-02
"Regional Medical Library Support." A continuation grant.
Donald D. Hendricks, Ph.D., Director of Library
June 1, 1973 through May 31, 1974
\$24,300.00
Dallas County
2. Regional Medical Library Grant 5 G04 IM 01737-02
"Regional Medical Library Support." A continuation grant.
Donald D. Hendricks, Ph.D., Director of Library
June 1, 1973 through May 31, 1974
\$13,339.00
Dallas County

DALLAS ALLIED HEALTH SCIENCES SCHOOL

Department of Health, Education and Welfare
Region VI, Dallas, Texas

3. Purchase Order No. R6-785-73
Contract whereby the Dallas Health Science Center - School of Allied Health Sciences will conduct two one-day workshops prior to July 15, 1973 directed by Frances F. Price, Ph.D., for improving the capability of nursing personnel for the sum of \$665.00.

Department of Health, Education and Welfare
Social and Rehabilitation Service

4. Training Grant 55-P-30109/6-03
"Education in Rehabilitation and Mental Retardation." A continuation grant.
Donald A. Pool, Ph.D., Department of Rehabilitation Science
September 1, 1973 through August 31, 1974
\$29,757.00
Dallas County
5. Training Grant 44-P-30146/6-02
"Undergraduate Traineeships in Rehabilitation Medicine."
Phala Helm, M.D., Department of Physical Medicine and Rehabilitation
May 1, 1973 through April 30, 1974
\$1,800.00
Dallas County
6. Training Grant 44-P-30213/6-02
"Rehabilitation Services Education."
Donald A. Pool, Ph.D., Department of Rehabilitation Science
July 1, 1973 through June 30, 1974
\$16,848.00
Dallas County

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL

Department of Health, Education and Welfare
Public Health Service

7. Research Grant 5 RO1 HD06832-02
"Chromosome Mutations in Infants and Children." A continuation grant. Study of the effects of X-radiation in infants in aberrations of chromosome 20.
Mary E. Gaulden, Ph.D., Department of Radiology
May 1, 1973 through April 30, 1974
\$33,322.00
Dallas County
8. Research Grant 5 RO1 AI10678-02
"Immunobiology of Tissue Transplantation and Pregnancy."
A continuation grant. Study of components of transplantation immunity and graft-versus-host reactivity with intensive analysis of the maternal-fetal relationship.
Rupert E. Billingham, M.D., Department of Cell Biology
May 1, 1973 through April 30, 1974
\$165,309.00
Dallas County
9. Training Grant 5 T01 AI00030-14
"Graduate Training: Infectious Disease and Immunology."
A continuation grant. A training course for the purpose of developing an environment in which individuals can mature into academicians in the area of immunology and microbiology.
Jay P. Sanford, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$56,824.00
Dallas County
10. Training Grant 5 T01 HL05469-14
"Biochemical Orientation of Cardiovascular Investigation."
A continuation grant. A program designed to train candidates interested in specializing in academic medicine in the field of nephrology.
Donald W. Seldin, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$108,747.00
Dallas County
11. Development Award - Research Career Program Grant 5 KO4 GM70227-02
Stipend for Dr. Joseph L. Goldstein, M.D., Department of Internal Medicine, who is involved in the project entitled "Studies in Biochemical and Clinical Genetics."
July 1, 1973 through June 30, 1974
\$25,000.00
Dallas County
12. Training Grant 5 T01 NS05600-06
"Otolaryngology Graduate Training Grant." A continuation grant. A course for the purpose of training academicians in otolaryngology.
Jack P. Gunter, M.D., Department of Surgery
July 1, 1973 through June 30, 1974
\$52,836.00
Dallas County

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health Education and Welfare
Public Health Service - continued

13. Training Grant 5 T01 A100337-07
"Pediatrics Infectious Disease and Immunology." A continuation grant. A program designed to produce individuals with sufficient background to pursue a career of independent research and teaching in the field of infectious diseases.
John D. Nelson, M.D., Department of Pediatrics
July 1, 1973 through June 30, 1974
\$52,763.00
Dallas County
14. Research Grant 1 P06 R00831-01
"Improvement of Animal Resources." Program to develop the Animal Resources Center.
Steven P. Pakes, D.V.M., Department of Animal Resources
May 1, 1973 through May 1, 1974
\$182,915.00
Dallas County
15. Research Grant 5 R01 CA08269-12
"Regulation of Ketogenesis and Lipogenesis in Tissues." A continuation grant. Study of biochemical mechanisms.
Daniel W. Foster, M.D., Department of Internal Medicine
June 1, 1973 through May 31, 1974
\$33,914.00
Dallas County
- * 16. Training Grant 5 T12 CA08062-08
"Clinical Cancer Training Program." A continuation grant. A training course for the purpose of promoting an awareness of clinical cancer problems in medical personnel.
Robert F. Jones, M.D., Department of Surgery
July 1, 1973 through June 30, 1974
\$93,748.00
Dallas County
17. Research Grant 7 R01 HL16319-01 (formerly HL14598-01)
"Pharmacology of the Biosynthesis and Release of Renin."
An enzyme study.
Ervin G. Erdos, M.D., Department of Pharmacology
June 1, 1973 through August 31, 1974
\$34,322.00
Dallas County
- * 18. Research Grant 7 R01 HL16320-01 (formerly HL08764-09)
** "Vasoactive Peptides which Stimulate Smooth Muscles." An enzyme study.
Ervin G. Erdos, M.D., Department of Pharmacology
June 1, 1973 through May 31, 1974
\$38,336.00
Dallas County

* Original Award Letter Not Received

** Letter of Transmittal Not Received

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service - continued

19. Research Grant 5 R01 NS10434-02
"Neurohumoral Events in Cells Ending in Median Eminence."
 A continuation grant. A study of Hypothalamic Neurons involved in the regulation of gonadotropin release.
 Robert L. Moss, Ph.D., Department of Physiology
 June 1, 1973 through May 31, 1974
 \$16,573.00
 Dallas County
20. Research Grant 5 R01 HL09610-09
"Control of Cholesterol Metabolism--Bile Acid Transport."
 A continuation grant. Study of cholesterol synthesis.
 John M. Dietschy, M.D., Department of Internal Medicine
 June 1, 1973 through May 31, 1974
 \$51,455.00
 Dallas County
21. Training Grant 5 T01 HL05396-14
"Cardiopulmonary Physiology." A continuation grant. The purpose of this grant is advanced training in preparation for careers as teachers or consultants in clinical centers.
 William F. Miller, M.D., Department of Internal Medicine
 July 1, 1973 through June 30, 1974
 \$36,935.00
 Dallas County
22. Research Grant 1 R22 AI11478-01
"Control of Bacterial Toxins by Viruses and Plasmids."
 Study to determine genetic and biochemical mechanisms which regulate toxinogenesis in pathogenic bacteria.
 Randall K. Holmes, M.D., Department of Internal Medicine
 June 1, 1973 through May 31, 1974
 \$20,383.00
 Dallas County
23. Research Grant 7 R01 GM20947-01
"Structure and Function of B-Galactosidase from E Coli."
 Budget revision.
 Dobrivoje Marinkovic, Ph.D., Department of Pharmacology
 June 1, 1973 through May 31, 1974
 \$21,684.00
 Dallas County
24. Research Grant 1 R01 CA14708-01
"Fine Structural Analysis of Androgenic Tumor Cells."
 Ultrastructural characterization of a murine Leydig cell tumor.
 William E. Neaves, Ph.D., Department of Cell Biology
 June 1, 1973 through May 31, 1974
 \$30,940.00
 Dallas County

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service - continued

25. Training Grant 5 A15 PE00034-02
"Teacher Training for Medical School Faculty." A continuation grant. The purpose of this program is to teach and develop more effective ways of achieving educational goals.
Fred L. Christen, Ph.D., Department of Instructional Communications
July 1, 1973 through June 30, 1974
\$43,524.00
Dallas County
26. Research Grant 1 R01 CA14609-01
"Adhesion of Normal and Malignant Mammalian Cells." Study to ascertain how components of the adhesion process differ in normal and malignant cells.
Frederick Grinnell, Ph.D., Department of Cell Biology
June 1, 1973 through May 31, 1974
\$42,801.00
Dallas County
27. Research Grant 1 R01 CA14664-01
"Selective Activation of Purine Antimetabolites." A drug study.
Lon E. Rogers, M.D., Department of Pediatrics
June 1, 1973 through May 31, 1974
\$14,974.00
Dallas County
28. Research Grant 2 R01 AM14157-04
"Biosynthesis and Regulation of Pyridoxal 5' Phosphate."
Study of the description of the molecular biology of vitamin B₆ compounds.
Walter B. Dempsey, Ph.D., Department of Biochemistry
January 1, 1973 through December 31, 1973
\$23,000.00
Dallas County
29. Research Grant 5 R01 CA08501-09
"Cholesterol Metabolism in Normal and Malignant Liver."
A continuation grant. Study of the regulation of cholesterol synthesis in normal and malignant tissue.
Marvin D. Siperstein, M.D., Department of Internal Medicine
May 1, 1973 through October 31, 1973
\$55,667.00
Dallas County
30. Research Grant 5 R01 CA12089-03
"Immunology of Chemically Modified Cancer Cell." A continuation grant. Study of antibodies on cell surfaces by immunofluorescence.
Morton D. Prager, Ph.D., Department of Surgery
June 1, 1973 through May 31, 1974
\$18,435.00
Dallas County
31. Research Grant 5 R01 AI03093-14
"Staphylococcal and Staphylophage Genetics." A continuation grant.
Eugene D. Rosenblum, Ph.D., Department of Microbiology
June 1, 1973 through May 31, 1974
\$14,518.00
Dallas County

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service - continued

- * 32. Research Grant 5 R01 AI10625-02
"Sensitivity of Arboviruses to Human Interferon." A continuation grant. Study of interferon inhibition of multiplication of encephalitis viruses.
James P. Luby, M.D., Department of Internal Medicine
June 1, 1973 through May 31, 1974
\$6,960.00
Dallas County
33. Research Grant 5 R01 AM03892-15
"Action of Hormones on Protein and RNA Metabolism."
Basic study of effect of fetal androgen on differentiation.
Jean D. Wilson, M.D., Department of Internal Medicine
June 1, 1973 through May 31, 1974
\$40,150.00
Dallas County
34. Training Grant 5 T01 GM01733-07
"Surgery." A continuation grant. Purpose is to produce expertly trained academic surgeons.
George T. Shires, M.D., Department of Surgery
July 1, 1973 through June 30, 1974
\$70,091.00
Dallas County
35. Research Grant 5 P01 HL06296-13
"Human Adaptation to Environmental and Exercise Stress."
A continuation grant.
Jere H. Mitchell, M.D., Department of Internal Medicine
June 1, 1973 through May 31, 1974
\$147,755.00
Dallas County
36. Research Grant 3 R01 AM03892-15S1
"Action of Hormones on Protein and RNA Metabolism." A supplemental award.
Jean D. Wilson, M.D., Department of Internal Medicine
June 1, 1973 through May 31, 1974
\$27,863.00
Dallas County
37. Research Grant 3 R01 CA08269-12S1
"Regulation of Ketogenesis and Lipogenesis in Tissues." A supplemental award.
Daniel W. Foster, M.D., Department of Internal Medicine
June 1, 1973 through May 31, 1974
\$29,504.00
Dallas County
- * 38. Research Grant 5 R01 HL14055-03
"Regulation in Heart of Keto Acid Metabolism." A continuation grant.
Tracy C. Linn, Ph.D., Department of Biochemistry
May 1, 1973 through April 30, 1974
\$16,910.00
Dallas County

* Original Award Letter Not Received

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service - continued

39. Research Fellowship Award 5 F03 GM53490-02
Special Supply Allowance in behalf of Erwin C. Schwegler, Jr.
Ronald W. Estabrook, M.D., Department of Biochemistry
April 3, 1973 through April 2, 1974
\$1,000.00
Dallas County
40. Contract No. FDA 72-312, Modification No. 3
"Comparative Pharmacologic Evaluation of Antibiotic-Induced
Adverse Drug Interaction." Modification to Paragraph B of
Article XVII allowing the contractor to acquire additional
equipment.
H. R. Adams, D.V.M., Ph.D., Department of Pharmacology
No additional monies
Dallas County

United States of America
2750th Air Base Wing (PMA)

41. Medical Residency Program Agreement, Contract No. F33600-73-C-0462
An agreement whereby the Dallas Medical School agrees to provide
Residency Training in Pulmonary Diseases for Major Gary D. Harris
for the period July 1, 1973 through June 30, 1975; no funds
involved.

Veterans Administration

42. Exchange of use contract between Veterans Administration
Hospital, 4500 South Lancaster Road, Dallas, Texas, and the
University of Texas Southwestern Medical School at Dallas
whereby Veterans Administration will furnish for UTSMS
facilities for bone metabolism studies and UTSMS will furnish
for V.A. Hospital diagnostic tests on V.A. patients. Only
net differences in the expenses incurred will be paid by the
owing institution.
Charles Y. C. Pak, M.D., Department of Internal Medicine

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

AMENDMENTS TO THE 1972-73 OPERATING BUDGET

BOARD OF REGENTS MEETING - JULY 27, 1973

DALLAS HEALTH SCIENCE CENTEROffice of Business Affairs

1. Transfer funds in the amount of \$2,626.47 from Unallocated Classified Salaries to Office of Business Affairs Classified Salaries to provide additional funds for classified personnel. (RBC No. 307)

Office of the Business Manager

2. Transfer funds in the amount of \$3,411.00 from Unallocated Classified Salaries to Office of Business Manager Classified Salaries to provide additional funds for classified personnel. (RBC No. 306)

General Expense - Miscellaneous General Expense

3. Transfer funds in the amount of \$18,000 from Miscellaneous General Expense - Rental of Space to Unallocated Maintenance and Operation. (RBC No. 324)

4. Transfer funds in the amount of \$4,600 from Unallocated Maintenance and Operation to Miscellaneous General Expense - Workmen's Compensation Insurance to provide funds for coverage under Workmen's Compensation Insurance for a greater number of employees than anticipated. (RBC No. 325)

General Expense - Telephones

5. Transfer funds in the amount of \$18,000 from Unallocated Maintenance and Operation to Telephones Maintenance and Operation. These funds are needed for expanded services and additional installations. The expense of this expansion had not been included in the original budget. (RBC No. 323)

Animal Resources Center

6. Transfer funds in the amount of \$700 from Unallocated Maintenance and Operation to Animal Resources Center Travel to provide funds for travel expense for animal procurement that was not anticipated in original budget. (RBC No. 315)

Medical Computing Resources Center

7. Transfer funds in the amount of \$6,000 from Unallocated Classified Salaries to Medical Computing Resources Center Administrative and Professional Salaries and appoint John Frank Peters (non-tenure), Instructor in Computer Science, effective May 1, 1973, at an annual salary rate of \$18,000 payable from Medical Computing Resources Center budget. (RBC No. 319)

8. Grant leave of absence without pay to Lynn L. Peterson (non-tenure), Assistant Director and Instructor in Computer Science, effective March 7, 1973 thru April 30, 1973. Mrs. Peterson is budgeted at an annual salary rate of \$14,400 payable from Medical Computing Resources Center budget. (RBC No. 211 - Revised)

9. Change percent of time from 100% to 60% for the period May 1, 1973 thru August 31, 1973 for Lynn L. Peterson (non-tenure), Assistant Director and Instructor in Computer Science. Mrs. Peterson is budgeted at an annual salary rate of \$14,400 payable from Medical Computing Resources Center budget. (RBC No. 317)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS HEALTH SCIENCE CENTER - continuedMedical Computing Resources Center - continued

10. Transfer funds in the amount of \$3,267.00 from Unallocated Classified Salaries to Medical Computing Resources Center Classified Salaries to provide additional funds for classified personnel. (RBC No. 318)

Extension-Postgraduate Program

11. Transfer funds in the amount of \$3,250 from Unallocated Classified Salaries to Extension-Postgraduate Program Administrative and Professional Salaries, and change the source of salary of George J. Race (tenure), Associate Dean for Continuing Education and Professor of Pathology, effective April 1, 1973, as follows:

From: An annual salary rate of \$35,000 payable \$17,500 from Extension-Postgraduate Program budget and \$17,500 from Baylor University Medical Center
 To: An annual salary rate of \$35,000 payable \$25,300 from Extension-Postgraduate Program and \$9,700 from Baylor University Medical Center. (RBC No. 289)

Physical Plant

12. Transfer funds in the amount of \$65,500 from Utilities - Utilities, as follows:

To: General Services, Maintenance and Operation	\$ 9,500
General Services, Equipment	21,000
Building Maintenance, Wages	5,000
Building Maintenance, Maintenance and Operation	15,000
Utilities, Wages	4,000
Utilities, Maintenance and Operation	11,000
	<u>\$ 65,500</u>

These adjustments within the Physical Plant budget are needed to meet unanticipated expenses in some of the departments and to purchase much needed radio equipment for better communications. (RBC No. 327)

DALLAS MEDICAL SCHOOLOffice of the Dean

1. Transfer funds in the amount of \$1,041.65 from Unallocated Classified Salaries to Office of the President Administrative and Professional Salaries and change the status of Frederick J. Bonte (tenure) effective April 1, 1973, as follows:

From: Professor and Chairman of Radiology at an annual salary rate of \$35,000 payable \$19,000 from Radiology budget and \$16,000 from Parkland Memorial Hospital
 To: Dean, Dallas Medical School, and Professor of Radiology at an annual salary rate of \$37,500 payable \$19,000 from Radiology budget, \$16,000 from Parkland Memorial Hospital, and \$2,500 from Office of the President budget. (RBC No. 287)

2. Change the status of F. Douglas Lawrason (tenure) effective April 1, 1973, as follows:

From: Acting Dean, Southwestern Medical School, and Professor of Internal Medicine
 To: Associate Dean for Academic Affairs, Dallas Medical School, and Professor of Internal Medicine, with no change in salary.

Dr. Lawrason is budgeted at an annual salary rate of \$42,600 payable \$37,600 from Office of the President budget and \$5,000 from Southwestern Medical Foundation. (RBC No. 286)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedAnesthesiology

3. Change the status of James W. Burlison (non-tenure), effective April 1, 1973, from Assistant Professor to Assistant Professor of Anesthesiology and Coordinator of Education in Anesthesiology, with no change in salary. Dr. Burlison is budgeted at an annual salary rate of \$25,000 payable from Parkland Memorial Hospital. (RBC No. 304)

Cell Biology

4. Accept the resignation of Ho-Ming Yuan (non-tenure), Instructor in Cell Biology and Dallas Allied Health Sciences School, effective June 30, 1973. Dr. Yuan is budgeted at an annual salary rate of \$14,000 payable \$13,000 from Cell Biology budget and \$1,000 from Dallas Allied Health Sciences School, Administration budget. (RBC No. 316)

5. Transfer funds in the amount of \$4,250 from Unallocated Maintenance and Operation to Cell Biology Maintenance and Operation. Funds are necessary due to additional expenses incurred with increased faculty and increase of expenses pertaining to course work. (RBC No. 290)

Internal Medicine

6. Transfer funds in the amount of \$3,333.32 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of Donald W. Seldin (tenure), William Buchanan Professor of Medicine and Chairman, effective May 1, 1973, as follows:

From: An annual salary rate of \$39,000 payable \$22,500 from Internal Medicine budget, \$6,500 from Southwestern Medical Foundation, and \$10,000 from Buchanan Professorship
 To: An annual salary rate of \$39,000 payable \$32,500 from Internal Medicine budget and \$6,500 from Southwestern Medical Foundation. (RBC No. 309)

7. Transfer funds in the amount of \$1,883.68 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of Burton Combes (tenure), Professor, effective May 1, 1973, as follows:

From: An annual salary rate of \$33,000 payable \$21,250 from Internal Medicine budget, \$750 from Various Donors, \$3,000 from USPHS 5 T01 AM-05490, and \$8,000 from USPHS 5 R01 AM-13757
 To: An annual salary rate of \$33,000 payable \$26,901 from Internal Medicine budget, \$750 from Various Donors, \$3,000 from USPHS 5 T01 AM-05490, and \$2,349 from USPHS 5 R01 AM-13757. (RBC No. 326)

8. Transfer funds in the amount of \$3,006.64 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of John M. Dietschy (tenure), Professor, effective May 1, 1973, as follows:

From: An annual salary rate of \$34,000 payable \$15,800 from Internal Medicine budget, \$9,000 from USPHS 5 T01 AM-05490, \$6,200 from USPHS 5 R01 HE-09610 and \$3,000 from USPHS 1 R01 AM-16386
 To: An annual salary rate of \$34,000 payable \$25,000 from Internal Medicine budget and \$9,000 from USPHS 5 T01 AM-05490. (RBC No. 313)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedInternal Medicine - continued

9. Transfer funds in the amount of \$3,973.98 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of Daniel W. Foster (tenure), Professor, effective June 1, 1973, as follows:

- From: An annual salary rate of \$32,000 payable \$2,000 from Internal Medicine budget, \$25,000 from USPHS 5 K03 AM-09968, \$2,000 from Upjohn Co. and \$3,000 from Damon Runyon Fund
- To: An annual salary rate of \$32,000 payable \$17,896 from Internal Medicine budget, \$12,000 from Damon Runyon Fund and \$2,104 from Upjohn Co. (RBC No. 314)

10. Transfer funds in the amount of \$3,000 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of Charles B. Mullins (tenure), Associate Professor, effective May 1, 1973, as follows:

- From: An annual salary rate of \$30,000 payable \$8,000 from Internal Medicine budget, \$13,000 paid direct by American Heart Association, \$3,000 from 2 P01 HL-06296, and \$6,000 from USPHS 5 P17 HL-14187
- To: An annual salary rate of \$30,000 payable \$17,000 from Internal Medicine budget and \$13,000 paid direct by American Heart Association. (RBC No. 312)

11. Change the source of salary of Charles Y. Pak (tenure), Associate Professor, effective April 1, 1973, as follows:

- From: An annual salary rate of \$28,000 payable from Internal Medicine budget
- To: An annual salary rate of \$28,000 payable from USPHS 1 M01 RRO0633. (RBC No. 302)

12. Change the source of salary of David C. Kem (non-tenure), Assistant Professor, at an annual salary rate of \$24,000 as follows:

- From: \$14,000 payable from Internal Medicine budget and \$10,000 payable from USPHS 1 A15 PE-00034
- To: For the period April 1, 1973 thru May 31, 1973 - \$14,000 payable from USPHS 1 M01 RRO0633 and \$10,000 payable from USPHS 1 A15 PE-00034, and
- To: For the period June 1, 1973 thru August 31, 1973 - \$24,000 payable from USPHS 1 M01 RRO0633. (RBC No. 303)

13. Transfer funds in the amount of \$1,958.32 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of Stephen Leshin (non-tenure), Assistant Professor, effective May 1, 1973, as follows:

- From: An annual salary rate of \$22,500 payable \$16,625 from Internal Medicine budget and \$5,875 from USPHS 2 P01 HL-06296
- To: An annual salary rate of \$22,500 payable from Internal Medicine budget. (RBC No. 311)

14. Transfer funds in the amount of \$4,666.68 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of James T. Willerson (non-tenure), Assistant Professor, effective May 1, 1973, as follows:

- From: An annual salary rate of \$23,500 payable \$9,500 from Internal Medicine budget and \$14,000 from USPHS 2 P01 HL-06296
- To: An annual salary rate of \$23,500 payable from Internal Medicine budget. (RBC No. 310)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedInternal Medicine - continued

15. Accept the resignation of Stuart A. Bergman, Jr. (non-tenure), Instructor, effective January 31, 1973. Dr. Bergman was on leave of absence without pay for the period September 1, 1972 thru July 31, 1973 (RBC No. 58). Dr. Bergman was budgeted for fiscal 1971-72 at an annual salary rate of \$9,520 payable from USPHS 2 P01 HL-06296-12. (RBC No. 291)

Obstetrics and Gynecology

16. Transfer funds in the amount of \$7,500 from Unallocated Faculty Salaries to Obstetrics and Gynecology Teaching Salaries and appoint Francis Gary Cunningham (non-tenure), Assistant Professor, effective April 1, 1973, at an annual salary rate of \$21,000 payable \$18,000 from Obstetrics and Gynecology budget and \$3,000 from USPHS 06-H-000074. (RBC No. 301)

Pathology

17. Transfer funds in the amount of \$10,000 from Unallocated Faculty Salaries to Pathology Teaching Salaries and appoint Paul M. Southern (tenure), effective April 1, 1973, Associate Professor of Pathology and Internal Medicine, at an annual salary rate of \$32,000 payable \$24,000 from Pathology budget and \$8,000 from Hoffman-LaRoche. (RBC No. 294)

Pediatrics

18. Transfer funds in the amount of \$10,416.65 from Unallocated Faculty Salaries to Pediatrics Teaching Salaries and change the source of salary of John D. Nelson (tenure), Professor, effective April 1, 1973 as follows:

From: An annual salary rate of \$30,000 payable \$25,000 from USPHS 5 K3 AI 11650 and \$5,000 payable from Pediatrics budget

To: An annual salary rate of \$30,000 payable from Pediatrics budget. (RBC No. 300)

19. Grant Leave of Absence without pay to Mary Logan (non-tenure), Instructor, effective April 12, 1973 thru August 31, 1973. Dr. Logan is budgeted at an annual salary rate of \$15,015 payable from USPHS 12 HS-328. (RBC No. 288)

Pharmacology

20. Transfer funds in the amount of \$3,750 from Unallocated Faculty Salaries to Pharmacology Teaching Salaries, and change the status of Parkhurst A. Shore (tenure), effective June 1, 1973, as follows:

From: Acting Dean, Graduate School of Biomedical Sciences, and Professor of Pharmacology at an annual salary rate of \$35,270 payable \$20,270 from Pharmacology budget and \$15,000 from Office of Graduate Studies budget

To: Professor of Pharmacology at an annual salary rate of \$35,270 payable from Pharmacology budget. (RBC No. 320)

Physiology

21. Change the source of salary of Kern Wildenthal (tenure), Associate Professor of Physiology and Assistant Professor of Internal Medicine, effective January 1, 1973 thru August 31, 1973, as follows:

From: An annual salary rate of \$27,000 payable \$3,500 from Internal Medicine and \$23,500 from USPHS 1 K04 HL-70125

To: An annual salary rate of \$27,000 payable \$2,000 from Internal Medicine budget and \$25,000 from USPHS 5 K04 HL-70125. (RBC No. 293)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedPsychiatry

22. Change percent of time from 20% to 40% for the period March 1, 1973 thru June 30, 1973, for Manuel Balbona (non-tenure), Clinical Assistant Professor of Psychology, at an annual salary rate of \$14,000 payable from USPHS 5 T02 MH 10208. Dr. Balbona will revert to 20% time effective July 1, 1973. (RBC No. 292)

23. Transfer funds in the amount of \$3,333.34 from Unallocated Faculty Salaries to Psychiatry Teaching Salaries and appoint William Marion Pederson (non-tenure), Instructor, effective July 1, 1973, at an annual salary rate of \$20,000 payable from Psychiatry budget. (RBC No. 305)

DALLAS ALLIED HEALTH SCIENCES SCHOOLAdministration

1. Transfer funds in the amount of \$2,083.35 from Unallocated Faculty Salaries to Administration Teaching Salaries and change the source of salary of Hal T. Weathersby (tenure), Professor of Cell Biology and Health Care Sciences, effective April 1, 1973, as follows:

From: An annual salary rate of \$28,000 payable \$21,000 from Cell Biology budget, \$2,000 from Administration budget and \$5,000 from Hillcrest Foundation.

To: An annual salary rate of \$28,000 payable \$21,000 from Cell Biology budget and \$7,000 from Administration budget. (RBC No. 297)

2. Transfer funds in the amount of \$1,250 from Unallocated Faculty Salaries to Administration Teaching Salaries and change the source of salary of Gordon H. Templeton (non-tenure), Assistant Professor of Physiology and Health Care Sciences, effective April 1, 1973, as follows:

From: An annual salary rate of \$16,800 payable \$11,800 from Physiology budget, \$2,000 from Administration budget, and \$3,000 from Hillcrest Foundation

To: An annual salary rate of \$16,800 payable \$11,800 from Physiology budget and \$5,000 from Administration budget. (RBC No. 298)

Allied Health Teacher Education

3. Accept the resignation of E. Kathleen Davis (non-tenure), Instructor, effective July 15, 1973. Dr. Davis is budgeted at an annual salary rate of \$14,500 payable from Allied Health Teacher Education budget. (RBC No. 328)

Health Care Sciences

4. Transfer funds in the amount of \$2,330.40 from Unallocated Faculty Salaries to Health Care Sciences Teaching Salaries and change the status and source of salary of John Clark Delahunt (non-tenure), effective April 1, 1973, as follows:

From: Instructor in Health Care Sciences at an annual rate of \$15,700 payable \$5,593.00 from Hillcrest Foundation, \$891.60 from Rehabilitation Science budget, \$3,215.40 from Nutrition and Dietetics budget, and \$6,000 from Physical Therapy budget

To: Instructor in Health Care Sciences and Director of Physician's Assistant Program at an annual salary rate of \$15,700 payable \$5,593.00 from Health Care Sciences budget, \$891.60 from Rehabilitation Science budget, \$3,215.40 from Nutrition and Dietetics budget, and \$6,000 from Physical Therapy budget. (RBC No. 299)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS ALLIED HEALTH SCIENCES SCHOOL - continuedHealth Care Sciences - continued

5. Transfer funds in the amount of \$5,416.65 from Unallocated Faculty Salaries to Health Care Sciences Teaching Salaries and change the source of salary of Maurine E. Giese (non-tenure), Instructor, effective April 1, 1973, as follows:

From: An annual salary rate of \$13,000 payable from Hillcrest Foundation

To: An annual salary rate of \$13,000 payable from Health Care Sciences budget. (RBC No. 296)

6. Transfer funds in the amount of \$2,997.05 from Unallocated Faculty Salaries to Health Care Sciences Teaching Salaries and change the source of salary of Charles C. Lewis (non-tenure), Instructor, 55%, effective April 1, 1973 as follows:

From: An annual salary rate of \$13,000 payable from Hillcrest Foundation

To: An annual salary rate of \$13,000 payable from Health Care Sciences budget. (RBC No. 295)

DALLAS ALLIED HEALTH SCIENCES SCHOOL CATALOG

1. Please approve the attached 1973-1974 Dallas Allied Health Sciences School Catalog which has been presented in its entirety due to major revisions.

Misc

THE SCHOOL OF ALLIED HEALTH SCIENCES
 THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
 BULLETIN - 1973-74

THE UNIVERSITY OF TEXAS SYSTEM BOARD OF REGENTS

Officers

A. G. McNeese, Jr., Chairman
 Dan C. Williams, Vice Chairman
 Betty Anne Thedford, Secretary

Members

Terms expire January 1975

Frank C. Erwin, Jr.	Austin
Jenkins Garrett	Fort Worth
Dan C. Williams	Dallas

Terms expire January 1977

Mrs. Lyndon B. Johnson	Stonewall
A. G. McNeese, Jr.	Houston
Joe T. Nelson, M.D.	Weatherford

Terms expire January 1979

James E. Bauerle, D.D.S.	San Antonio
Edward Clark	Austin
Allan Shivers	Austin

Standing Committees*

System Administration: Williams, Chairman
 Academic and Developmental Affairs: Mrs. Johnson, Chairman
 Buildings and Grounds: Erwin, Chairman
 Land and Investment: Garrett, Chairman
 Medical Affairs: Nelson, Chairman
 Board for Lease of University Lands: State Land Commissioner
 Bob Armstrong (ex officio), Chairman; Garrett, Vice-
 Chairman; Williams

*All members of the Board constitute each committee.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ADMINISTRATIVE OFFICERS

- Charles A. LeMaistre, B.A., M.D., Chancellor, The University of Texas System, Austin
- William H. Knisely, Ph.B., B.S., M.S., Ph.D., Vice-Chancellor for Health Affairs, The University of Texas System, Austin
- Charles Cameron Sprague, B.B.A., B.S., M.D., President, The University of Texas Health Science Center at Dallas
- Julius Emmett Weeks, B.S., L.L.B., Vice-President for Business Affairs, The University of Texas Health Science Center at Dallas
- John W. Schermerhorn, B.S., Ph.D., Dean, School of Allied Health Sciences
- Harry J. Parker, A.B., M.A., Ph.D., Associate Dean, School of Allied Health Sciences
- Bill F. Jones, B.S., B.A., M.S., Executive Assistant to the President, The University of Texas Health Science Center at Dallas
- Anne Rucker, B.A., Registrar, The University of Texas Health Science Center at Dallas
- Martha Brown, B.S., M.S., Acting Registrar and Administrative Secretary, School of Allied Health Sciences
- Donald D. Hendricks, A.B., A.M.I.S., Ph.D., Library Director of Regional Medical Library Program, The University of Texas Health Science Center at Dallas
- Hollis R. Smith, B.B.A., Business Manager, The University of Texas Health Science Center at Dallas
- James F. Cooper, Director of Physical Plant, The University of Texas Health Science Center at Dallas

PURPOSE

The need for health personnel over the next decade has been estimated to be between two and a half and three million additional health workers. Society in general is looking to the medical profession and, more specifically, to medical educators to provide the leadership in developing the programs necessary to offset this shortage of health workers. Therefore, the purpose of the School of Allied Health Sciences is to provide the citizens of the State of Texas with a supply of individuals educated at the baccalaureate level and above who are qualified in those professions which support the health team concept. Specifically, the School will:

1. Provide the opportunity and the means by which the necessary education, skill, and training can be achieved.
2. Cooperate with area undergraduate and graduate educational institutions, (both private and state sponsored) in selection and preparation of students for a career in the health professions.
3. Develop students who can relate their learned professional knowledge and skill to that of the other health professions in the best interest of the patients whom they will serve.
4. Advance the knowledge and skills of the health worker through research that seeks to verify and improve techniques and methods.
5. Provide the environment, both intellectual and geographical, in which can be developed innovative methods for the delivery of health services and corresponding programs of education and training.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

CALENDAR - 1973-1974Interim Session, 1973

May 1	Registration and Classes Begin
June 26	End of Interim Session

Summer Session, 1973

June 4	Registration
June 5	Classes Begin, 8:00 a.m.
June 7	Late Registration Closes
June 11	Classes Begin for Medical Technology Students
July 4	Independence Day Holiday
July 31 - August 1	Final Examinations, 8 Week Session
August 14-15	Final Examinations, 10 Week Session
August 15	End of Summer Session
August 19	Commencement, 2:30 p.m.

Fall Semester, 1973

August 21-22	Registration
August 23	Classes Begin, 8:00 a.m.
August 31	Late Registration Closes
September 3	Labor Day Holiday
November 21	Thanksgiving Day Holidays Begin, 10:00 p.m.
November 26	Classes Resume, 8:00 a.m.
December 11-17	Final Examinations
December 17	End of Semester, 10:00 p.m.

Spring Semester, 1974

January 2	Registration
January 3	Classes Begin, 8:00 a.m.
January 7	Late Registration Closes
January 28	Classes Begin for Medical Technology Students
April 11	Easter Holidays Begin, 10:00 p.m.
April 15	Classes Resume, 8:00 a.m.
April 18-24	Final Examinations
April 24	End of Semester

Interim Session, 1974

May 1	Registration and Classes Begin
June 26	End of Interim Session

Summer Session, 1974

June 3	Registration
June 4	Classes Begin, 8:00 a.m.
June 6	Late Registration Closes
June 10	Classes Begin for Medical Technology Students
July 4	Independence Day Holiday
July 29-30	Final Examinations, 8 Week Session
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SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

The information in this catalogue is made as accurate as is possible at the time of publication. The student is responsible for informing himself and satisfactorily meeting all requirements pertinent to his relationship with the School. The School reserves the right to make such changes as circumstances demand with reference to admissions, registration, tuition and fees, attendance, curriculum requirements, conduct, academic standing, and candidacy for graduation.

It is the policy of the School of Allied Health Sciences of The University of Texas Health Science Center at Dallas to insure equal employment opportunity to all individuals in a positive program of non-discrimination in all areas of employment - recruitment, hiring, training, assignment, promotion, use of facilities, and privileges without regard to race, sex, creed, color, age or national origin - and to assure that qualified applicants will be employed. All employees are judged by the same standards of job performance and qualifications regardless of sex, race, color, age, creed, or national origin.

The School gives careful consideration to all available information about each applicant for admission and accepts those who are best qualified without regard to race, color, sex, creed, or national origin.

ACCREDITATION

The Programs in Medical Technology and Physical Therapy are accredited by the Council on Medical Education of the American Medical Association in collaboration with, respectively, the Board of Schools of the American Society of Clinical Pathologists and the American Physical Therapy Association. The Dietetic Internship is accredited by the American Dietetic Association. American Medical Association accreditation of the Physician's Assistant Program is pending.

The School has been granted the status of "Correspondent" with the Commission on Colleges of the Southern Association of Colleges and Schools. "Correspondent Status" does not in any way imply that ultimate accreditation will be given. It does, however, signify reasonable assurance of the Institution's progress towards accreditation.

GENERAL INFORMATIONTHE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

Under the leadership of Dr. Edward H. Cary, a group of prominent citizens of Dallas organized Southwestern Medical Foundation in 1939 to promote medical education and research in Dallas and in the entire Southwest. After an initial period of furthering the purpose of the Foundation, Southwestern Medical College was formally established in 1943 by Southwestern Medical Foundation as the 68th medical school in the United States.

When a new state medical school was proposed, the leaders offered the equipment of the college, its library, and certain restricted funds to The University of Texas, provided the University would locate a medical branch in Dallas. The Board of Regents accepted this offer of the Foundation and in 1949 the College became Southwestern Medical School of the University of Texas. In 1954 the name of the institution was changed to The University of Texas Southwestern Medical School at Dallas. The campus site on Harry Hines Boulevard was occupied in 1955.

Expansion and Growth

In 1972 the name and scope of the medical school was changed to The University of Texas Health Science Center at Dallas. The approval of the Board of Regents of the concept of a Health Science Center has recognized the presence of a multi-pronged educational effort to provide adequate numbers of well-prepared health care professionals, and will allow for the continued dynamic growth of the Medical School, the Graduate School of Biomedical Sciences and the School of Allied Health Sciences.

The Center is presently in the midst of a dramatic expansion of physical facilities. Within two years, more than \$40 million worth of improvements will be completed on the campus to accommodate the planned doubling of annual enrolling medical school classes from 105 to 200. Work has already begun on the first projects of the Center's Phase One building program which, along with additional supplemental facilities currently being planned, will handle a doubled enrollment of physician-training by 1975. The medical school has made the first step toward its goal of a doubled enrollment, accepting 128 new students for fall 1972 enrollment.

SCHOOL OF ALLIED HEALTH SCIENCES

In April of 1968 the Coordinating Board, Texas College and University System, The Board of Regents of The University of Texas System, and the office of the Chancellor, The University of Texas System, authorized Dr. Charles C. Sprague, Dean, The University of Texas Southwestern Medical School at Dallas, to proceed with the planning to establish the School of Allied Health Professions at Dallas. A Committee was formed to select a dean and to develop the school, and Dr. Richard D. Burk, Chairman of the Department of Physical Medicine and Rehabilitation, was appointed as Dean in February, 1969. During 1969 the School of Allied Health Professions was organized as a budgeted unit of The University of Texas Southwestern Medical School at Dallas. In August, 1969 Dr. Harry J. Parker was appointed Associate Dean to develop curriculum and institutional liaisons. Dr. John W. Schermerhorn was appointed Dean of the School in August, 1971. In October of 1972 the name was changed to the School of Allied Health Sciences.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

Six curricula were approved by the Board of Regents and the Coordinating Board, Texas College and University Systems in 1969 and 1970. Physical Therapy was the first program to be implemented, beginning in June 1970, with Medical Technology, Rehabilitation Science, and the Dietetic Internship starting in September. The programs in Health Sciences Instructional Media Technology, Allied Health Education, Physician's Assistant, and the Master's degree program in Rehabilitation Counseling were implemented in 1972.

Baylor University Medical Center has been a substantial contributor to the initiation of the School of Allied Health Sciences in terms of support, faculty, and counsel for the Physical Therapy program. Without this support, the Physical Therapy Program would have been delayed in its development and initiation. Parkland Hospital similarly has provided considerable assistance for the curriculum in Nutrition and Dietetics and the curriculum in Medical Technology.

Facilities

Initial physical facilities for offices and classrooms were secured at Methodist Hospital of Dallas, an affiliate teaching hospital of the Medical School. The School of Allied Health Sciences and The University owe a great debt of gratitude to Methodist Administrative Officers for making available these office and classroom facilities. Plans for permanent facilities on the Health Science Center Campus are being developed.

Library

The Medical Library, organized in 1943, now contains approximately 100,000 volumes and receives currently over 2,000 domestic and foreign serial publications. The Medical Library is located on the ground floor of the Basic Science Building. Library service is available from 7:45 a.m. to 10:00 p.m. Monday through Friday; from 7:45 a.m. to 6:00 p.m. on Saturday; and from 1:00 p.m. to 6:00 p.m. on Sunday. Class instruction in using the Library is given to students, and individual instruction is given as needed to individuals using the Library. The Library will be moved to the new Florence Bioinformation Center later in 1973.

Affiliated Institutions

The School of Allied Health Sciences is advantageously situated in that it has the generous cooperation of the many hospital facilities of the city and vicinity. Among these, the following facilities are utilized in the teaching programs of the School:

- Parkland Memorial Hospital
- Woodlawn Hospital
- Baylor University Medical Center
- Methodist Hospital of Dallas
- Children's Medical Center
- Texas Scottish Rite Hospital for Crippled Children
- The Dallas Veterans Administration Hospital
- Presbyterian Hospital of Dallas
- The Dallas Rehabilitation Institute

GENERAL INFORMATION Cont'dClinical Affiliations

In addition to these major support institutions, the School maintains active clinical affiliation agreements with more than thirty other facilities both in the Dallas-Fort Worth area and at many other locations in the Southwest. Structured clinical training is provided for students in physical therapy, rehabilitation science, teacher education, medical technology and dietetics at these units.

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APPLICATIONS

Applications for admission to the School of Allied Health Sciences may be obtained by calling the School or may be requested by letter. Applications should not be submitted prior to 6 months before the application deadline of the program the student wishes to enter. Please refer to the departmental sections for their respective beginning dates. Applications should be addressed to:

Registrar
 School of Allied Health Sciences
 The University of Texas Health Science
 Center at Dallas
 5323 Harry Hines Boulevard
 Dallas, Texas 75235

To apply for a program beginning in June a student must submit a completed application by the previous January 15, and notification of determination will be sent about March 15.

For programs beginning in August, applications must be submitted by May 15 and notification of determination will be sent about July 15. Applications for programs beginning in January or February must be submitted by October 15, and notification of determination will be sent about December 15.

Application Procedure

A student seeking admission must present to the Registrar:

1. An application for admission including:
 - a. Filing fee - \$5.00
 - b. A recent photograph
2. An official transcript of his entire college record certified by Registrar of college(s) involved.
3. Letters of reference from three of the following:
 - a. Undergraduate advisor
 - b. Instructor in college major
 - c. Employer
 - d. Personal friend regarding character
4. A physician's statement regarding condition of health. This may be a statement on the physician's letterhead. The School has no particular form that needs to be completed.

A personal interview is usually required.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ADMISSIONS Cont'dENTRANCE REQUIREMENTSBasic Requirements for Admission to Baccalaureate Degree Program

English - 12 semester hours (Composition, 6 hours and Literature, 6 hours)
 Math - 3 semester hours (College Algebra or equivalent)
 American History - 6 semester hours (may include 3 hours of Texas History)
 U.S. Government - 6 semester hours
 Sciences - 12 semester hours of which 6 are in Biologic Science
 For the Rehabilitation Science curriculum - 1 year of Science (8 semester hours)
 Humanities and Social Sciences - 9 semester hours (preferably from Philosophy, Psychology, Sociology, Economics)

Electives or Special Requirements for each curriculum to total a minimum of 60 semester hours except as defined for individual programs.

Physical education and military science credits will not normally apply to these requirements.

The student may petition the Registrar for possible waiver of certain of the basic requirements.

Credit Transfer

Transferred grades are never lowered; they are filed just as they appear on the student's transcript. For degree purposes grades earned at other institutions will not be averaged with work done at this School. Credit is allowed on the above basis for work done in institutions which are fully approved by their regional accrediting agency.

An applicant, whether a new student or a former student of the school, who has attended another collegiate institution is not at liberty to disregard any part of his collegiate record and apply for admission to the School of Allied Health Sciences on the basis of a partial record of his college work, but is subject without exception to the regulations given above.

Where an official transcript shows a course having been repeated, both grades will be used in calculating the grade point average.

The grade of D in any previous college course will be accepted to fulfill the School of Allied Health Sciences basic and special prerequisites, but the student must present an over-all grade point average of 2.00 on a 4-point system for admission to the School of Allied Health Sciences. On petition, the Admissions Committee may approve a probationary admission for an applicant falling below this level.

An Advisory Committee on Admissions has been established to evaluate credits of transfer students if special problems arise and to interpret and evaluate the subject matter knowledge of students who transfer from schools in foreign countries. The Advisory Committee on Admissions has at its disposal the advice of departments concerned with subjects on which evaluation is required. Students have the right of

ADMISSIONS Cont'd

appeal to the Advisory Committee on Admissions through the Office of the Registrar any questions concerning transfer of credit.

College Level Examination Program (CLEP) scores in some instances will be accepted in lieu of specific courses to fulfill the Basic Requirements for Admission. Department chairmen are responsible for determining the number of CLEP hours that are acceptable.

Texas Residency

Rules and regulations for determining residence status are contained in Article 2654c, Vernon's Texas Civil Statutes. Where a student has doubts concerning his status as a legal resident of the state of Texas, he may obtain information concerning these regulations from the Registrar.

Registration

Registration days for each semester are indicated in the school calendar appearing at the front of this bulletin. The student is urged to plan his work with care, consulting especially those of the teaching faculty under whom the main work will be taken, bearing in mind the requirements for the degree.

The only way to become a member of a class is to register for it through the proper registration procedure. A student cannot receive credit for a course for which he is not registered. A student is not registered, is not in the School, and is not entitled to School privileges until he has paid his fees.

Students are urged to register on the appointed days. No student may register for credit late except with the approval of the Registrar and the Chairman of the Department concerned. Students registering with these permissions, after the appointed days, will be required to pay a special charge of five dollars (\$5.00) to defray the costs of these extra services required to effect his late registration.

A student may register for no more than 17 semester hours without prior approval of the Office of the Dean.

Prior approval of the Office of the Dean is required for concurrent enrollment at other colleges. Should such approval not be sought or granted, credit so obtained will not be accepted.

EXPENSES

All fees are subject to change without prior publication.

Students are entitled to enter class or laboratory when their fees and deposits have been paid. Payments may be made by personal check for the exact amount due.

A filing fee of \$5.00 is required of each applicant at the time of application. On acceptance by the School an applicant is required to send to the Registrar a check or money order for \$30.00 to serve as a registration deposit. When the student matriculates (unless he is registering in absentia), \$20.00 of this amount is applied to the Tuition Fee and \$10.00 is applied to the Property Deposit.

ADMISSIONS Cont'd

The deposit of \$10.00 covers fines, breakage of equipment, loss of books, and miscellaneous charges. This amount must be replaced upon the request of the Director of Accounting. The amount of the property deposit remaining in the student's account will be refunded to him upon graduation or withdrawal from school. Request for refund of the Property Deposit should be addressed to the Director of Accounting, The University of Texas Health Science Center at Dallas. Property deposits which remain unclaimed for a period of four years after the student's last day of attendance shall be forfeited and shall become operative to the permanent use and purpose of a scholarship fund for needy and deserving students.

A visitor's fee of \$5.00 per course is required of persons not registered for credit and the visitor must pay the laboratory fee the same as for credit. If the visitor desires to use the library, a non-student library deposit of \$5.00 is required. Permission of the instructor is required for visitor registration.

A graduation fee of \$25.00, payable at registration for the final semester, is required of all students who will receive a degree or certificate from the School of Allied Health Sciences. Students who withdraw before graduation are entitled to a refund in full of this fee. No refund of fee can be given for students who graduate in absentia.

All full-time students (those carrying 12 or more semester hours per semester) are required to have Group Health Insurance which can be obtained during the registration period of the first enrollment in the School. All information regarding costs, benefits, and requirements will be explained at the time of first enrollment.

Fees

Filing Fee	\$ 5.00
Registration Deposit	\$ 30.00
\$20 applied to tuition	
\$10 applied to property deposit	
Tuition per semester (Texas Resident)	\$ 4.00/sem. hr. \$ 50.00 min.
Tuition per semester (Nonresident)	\$ 40.00/sem. hr.
Foreign students	\$ 14.00/sem. hr. \$200.00 min.
Registration in absentia (Texas resident)	\$ 12.00
Registration in absentia (Nonresident)	\$ 50.00
Laboratory Fees (4 hour course or more - each)	\$ 8.00
Group Health Insurance Individual student	\$ 7.83/mo.
Student and one dependent	\$ 19.54/mo.
Student and two or more dependents	\$ 21.86/mo.

The Group Health Insurance fee is collected at the time of registration for each semester, and the charges will be based on the length of the semester for which the student is registering.

Graduation Fee	\$ 25.00
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ADMISSIONS Cont'dRefunds

Refund of the Registration and Tuition Fee (Regular Session)

A student who officially withdraws from school is entitled to a refund according to the schedule below. No fees other than graduation and tuition fees are refundable. No refund of graduation fee will be made for those taking their degree or certificate in absentia.

	Refunds
During the first week of class	70%
During the second week of class	60%
During the third and fourth weeks of class	40%
No refunds thereafter	

In no case shall the total refund exceed 70% of the tuition. No refund will be made until the expiration of 15 days after the beginning of classes. A check covering all refunds due will be mailed to the address left with the Business Office. No refund will be granted unless applied for within one year after official withdrawal.

Refund of Registration and Tuition Fee (Summer Registration)

A student who officially withdraws will receive a refund of tuition as shown below:

	Refunds
The first three class days	60%
Fourth, fifth or sixth class days	50%
No refunds thereafter	

Refund procedures for the Summer Registration are the same as those for the Regular Session.

GRADUATE ADMISSIONS

The Graduate School of Biomedical Sciences in conjunction with the School of Allied Health Sciences offers the Master of Science degree in Rehabilitation Counseling.

The basic requirement for admission is a bachelor's degree or its equivalent from an accredited institution in the United States or proof of equivalent training at a foreign university. The applicant must have maintained satisfactory college grades, especially in appropriate courses, in upper division work (junior and senior level), and in any graduate work already completed. The applicant must receive a satisfactory score on the Graduate Record Examination Aptitude Test. Applications must be approved by the Graduate School Office and by the Committee on Graduate Studies in the intended major area of study.

The Graduate Record Examination Aptitude Test, administered by The Educational Testing Service, Princeton, New Jersey or Berkeley, California, is given at various centers throughout the United States on regularly established dates. A bulletin of information and an application for the GRE may be obtained from the counseling office at most universities. Arrangements should be made for the test score to be sent directly from the Testing Service to the Graduate School Office.

ADMISSIONS Cont'd

A candidate for admission to the Graduate School should complete and return, in duplicate, the Graduate School application form and should request two certified transcripts from each college attended, including graduate or professional school, to be sent to the School of Allied Health Sciences, The University of Texas Health Science Center at Dallas. The successful applicant will be informed by mail about his admission and any condition imposed on it.

Continuation in the Graduate School is dependent upon satisfactory academic progress. A graduate course may not be dropped after the course is more than half completed, unless because of illness.

Upon acceptance, a graduate student's program of study is formulated by the Graduate Studies Committee of his major program. For receipt of a Master's degree at least 30 semester hours are required.

The minimum requirement for any graduate degree is two semesters or their equivalent. A student who is accepted, but does not register for two consecutive semesters, may be dropped unless circumstances indicate that he should be continued in an enrolled status. It is a requirement that a student be registered for the semester in which he completes all requirements for his degree.

See pages 14 and 15 of this bulletin for fees and expenses.

Graduate courses are offered only as the need arises, and are listed under the course descriptions. The unit of measure for credit purposes in graduate work is the semester hour. For uniformity, the thesis course is number 98 and the dissertation course is 99, as the last two digits of any series used. Additional or continuation credit in any area, such as research and seminar, is shown by the repetition of the course number.

See page 14 of this bulletin for non-resident students.

Special Graduate Students

Under exceptional circumstances, individuals wishing to take one or two graduate courses for credit, but who are not enrolled in the Graduate School may do so provided they:

1. Present satisfactory evidence of academic preparation for the course(s) to the Chairman of the teaching department or to the Chairman of the Graduate Studies Committee sponsoring the course and secure written approval.
2. Secure written approval of the Dean of the Graduate School. Permission is valid for only a single semester.
3. Secure permission of the instructor of the course involved.

Such Special Graduate Students may enroll for no more than 6 semester hours in any one semester unless the single course of interest exceeds that number. Registration will be permitted only if, in the opinion of the Registrar, undue crowding of facilities will not result. Accordingly, Special Students may be asked to register after regular Graduate Students.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ADMISSIONS Cont'dACADEMIC STANDING

The standing of a student in his work is expressed by grades made up from the classwork and from examinations. There are five grades: A (excellent), B (above average), C (average), D (pass), F (failure). To pass in a course for undergraduate credit, it is necessary to secure a grade of at least D. After being reported to the Registrar, a grade may not be changed unless an error has been made by the instructor. Under certain conditions an instructor may report grades under the pass-fail system. Use of this system is normally restricted to practicum courses or directed reading offerings. Grade designations under this system are H (honors), P (passing), and F (failure). Grades reported in this fashion are not calculated into a grade point average.

Any grade of "incomplete" must be cleared within six months or it will revert to F. Such "incompletes" will include courses taken at other colleges to meet degree requirements of the School.

Under certain circumstances, instructors may use other symbols in reporting a student's standing in his semester's work. The symbol R is reported for a student who has been permitted a re-examination and the symbol I, for a student, who, under specific circumstances, has incomplete class or laboratory work. The symbol WP is reported for students who withdraw passing from a course, and the symbol WF for those who withdraw failing.

Graduation Requirements

The student must present a 2.00 cumulative grade point average at the School of Allied Health Sciences in order to qualify for graduation, and must have completed a minimum of 120 semester hours of passing work.

The student must maintain a grade of C to pass in clinical or laboratory work in order to qualify for graduation.

An "F" (failure) in any required subject must be removed by satisfying the requirements of the department in which the student is enrolled.

A student must complete a minimum of 30 semester hours in residence to meet degree requirements. Twenty-four of the last thirty hours must be completed in residence except that among The University of Texas System components additional course work may be transferred with approval of the Dean.

Probation

A student will be placed on probation at the end of any semester in which he has not attained a 2.00 grade point average.

If at the end of the subsequent semester his grade point average for that semester is 2.00 or better, the probation will be removed.

If at the end of the subsequent semester his cumulative grade point average is less than 2.00, his case will be referred to the Advisory Committee on Academic Standing.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ADMISSIONS Cont'd

On the basis of the recommendations of the Committee, the student may be asked to withdraw from school, to repeat the year's work, or to remove the deficiency by whatever means the Advisory Committee may propose. When the student is allowed to repeat the work of a year or any part thereof, he may be required to achieve any grade level which the Advisory Committee may stipulate.

The Advisory Committee on Academic Standing is composed of representatives of each teaching department of the School of Allied Health Sciences. Its function is to review all important aspects of each student case referred to it, and to make appropriate recommendations to the Dean. In addition, it will recommend to the Dean any changes in academic standing policy deemed advisable.

The varying requirements of the programs of the School result in different completion times. For the present, the School plans only one annual Commencement. This will normally be held in the latter part of August. All students are expected to present themselves for degree or certificate at that time. In the event that attendance is not possible, a petition for the award in absentia should be made to the Office of the Dean at least three weeks prior to the scheduled event. If approved, the diploma or certificate will be mailed to the graduate after the ceremony. If required for employment or credentialing, a letter certifying completion of educational requirements may be obtained from the Office of the Dean prior to Commencement.

GRANTING OF DEGREES

The Bachelor of Science degree is granted by the School of Allied Health Sciences. No degree may be granted until all obligations of the student - academic, moral, and financial - have been satisfactorily discharged.

The University is not responsible for debts contracted by individual students or by student organizations. On the other hand, the University expects all students and student organizations to conduct themselves honorably in all commercial transactions. The University will not assume the role of a collection agency for organizations, firms and individuals to whom students may owe bills, nor will the University adjudicate disputes between students and creditors over the existence or the amounts of debts. In the event of non-payment to the School of Allied Health Sciences, University of Texas Health Science Center at Dallas, one or more of the following actions, as determined appropriate in the particular case, may be taken:

- a. A bar against admission of the student.
- b. Withholding the student's grades and official transcript.
- c. Withholding of a degree to which the student otherwise would be entitled.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

FINANCIAL AID

The Scholarship Trust Fund of the Dallas County Medical Society awards scholarships yearly. At present, the grants are \$300, but may vary yearly. Applications for this scholarship should be made through the Chairman of the Department in which the student is enrolled.

The Harriette A. Porter Memorial Loan Fund for Physical Therapy students is designed to provide emergency loans for students in the Physical Therapy Curriculum in amounts not exceeding \$200.

National Direct Student Loans are available through the School. The students should make application through the Chairman of his department. The Advisory Committee on Student Affairs will make the determination as to the award and the amount. College Work Study programs are also available. Applications should be made through the Office of the Dean.

A special scholarship fund has been established by The University of Texas Health Science Center from tuition monies collected each year for those students who are in financial need. The School of Allied Health Sciences recommends the awards and amounts of the awards to the Dean of the School through the Advisory Committee on Student Affairs. Applications for these scholarships should be submitted to the Chairman of the student's Department.

The Texas Rehabilitation Commission offers financial assistance for tuition and required fees to students who have certain physical or emotional handicaps, provided the vocational objective selected by the handicapped person has been approved by an appropriate representative of the Commission. Through this State agency, other rehabilitation services are available to assist handicapped persons to become employable.

Application for this type of assistance should be made to the nearest Rehabilitation Office. Inquires may be addressed to:

Commissioner, Texas Rehabilitation Commission
Medical Park Tower
1301 West 38th Street
Austin, Texas 78705.

Other funds may, from time to time, become available. Information concerning such support will be publicized as appropriate.

STUDENT AFFAIRS

The School of Allied Health Sciences does not furnish living quarters for its students. Housing is an individual matter and each student must make his own arrangements. The Dallas and surrounding communities have many apartment and boarding houses, but competition is keen enough to make early efforts necessary. Estimated living costs for room range upward from approximately \$100.00 per month.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ADMISSIONS Cont'd

Limited parking facilities are available in the Health Science Center but not on the grounds of Methodist Hospital. Any student wishing to park on the Health Science Center campus will be required to obtain a permit and pay a parking and registration fee. Student parking must be restricted to areas designated and violations of the parking regulations may result in loss of parking privileges on the campus.

As a future professional person, there are rules of dress to be observed. It is expected that students enrolled in the professional courses will not come to classes, staff conferences, meetings, or any other official activity dressed in unconventional attire.

When there are special clothing or uniform requirements for a specific curriculum, the student will be notified upon acceptance into that curriculum. Some programs require that their students wear name tags as well as the sleeve patch of their discipline.

The Allied Health Sciences curricula require the major portion of a student's time and concentration. Some few students find it possible to have outside employment and still maintain a high quality of school work. School assignments and agency duties cannot be altered to fit a work schedule for an individual.

Each student, by registering, enters the School of Allied Health Sciences and is therefore under the jurisdiction of the Dean of the School. This involves jurisdiction over the student's program of study, degree requirements and conduct. Students taking courses in the school are subject to the regulations of the School.

Any student enrolled may apply for student membership in the association representing the discipline. The purposes of these organizations are to promote interest in the profession with specific aims toward service and fellowship for the social, intellectual and professional benefit of each member. Membership generally entitles the student to the journal of the profession and the right to attend its meetings. Student memberships are available for the American Physical Therapy Association, American Dietetic Association, American Society of Medical Technologists, and National Rehabilitation Association, among the major organizations. Students are encouraged to join the profession's local, state and regional groups as well. Further information can be obtained from the department faculty and journals.

In addition, the Association of Schools of Allied Health Professions, a new group representing all the allied health team, is a highly desirable organization for all students. The office of the Dean can provide information about this organization.

CORE COURSES

The courses of the core curriculum are applicable to all Departments within the School of Allied Health Sciences. They provide opportunity for the participants to share learning experiences with other members of the health care team.

Faculty

Instructors for the courses are drawn from the Faculties of the School of Allied Health Sciences and the Medical School.

Professors: Harry J. Parker, R. C. Reynolds, John W. Schermerhorn, Hal T. Weathersby
 Assistant Professors: G. Fred Cromes, Gordon H. Templeton
 Instructor: H. M. Yuan
 Clinical Assistant Professor: Irwin Gadol
 Adjunct Associate Professor: Franklin D. Lewis

Course Descriptions

AHS 3301 Human Growth and Development
 3 semester hours

This course provides basic understanding of the growth and development patterns through childhood and adolescence with consideration of the forces that affect behavior and learning. Subject areas such as psychosexual development, puberty, and adolescent growth variations are considered.

AHS 3308 Psychology of Human Relations
 3 semester hours

Study of the psychological principles which are fundamental to effective interpersonal relations, conflict resolution, and personal and social adjustment. Considers the role of learning in adaptive and maladaptive behavior. Specifically the application is to the normal personality in relation to the problems of living.

AHS 3309 Abnormal Psychology
 3 semester hours

Study of the nature and causes of psychological disorders as reflected in the major theories and current research. Problems of classification and treatment. Examination of neurotic and psychotic behavior, defenses, anxiety, and methods of prevention. Review of current mental health movement.

AHS 4000 Orientation
 0 semester hours

For all beginning students designed to provide information on school policies, geography of training settings, travel, dress, professional matters, and to provide a forum for student involvement in their curricula. Meetings for the first 6 weeks of each semester are scheduled.

AHS 4002 Directed Readings
 1-3 semester hours

Available as an elective to all students.

This course provides the students with an opportunity to read in depth in their chosen specialized areas with the

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

CORE COURSES Cont'd

guidance of an instructor familiar with the subject. Analysis and interpretation of the literature is stressed.

AHS 4003 Research Problems
1-3 semester hours

Available as an elective to all students.

This course provides the student with an opportunity to analyze and report results of a study of a specific problem that involves actual patients and/or other procedures found in hospitals, institutions, agencies, and health care systems. Study of simple statistical methods, report writing, and use of literature is also part of this experience.

AHS 4005 Health Care Seminar
1-4 semester hours

Designed to provide students with an opportunity to study and discuss problems of health care with various specialists. Seminar can be repeated for credit as topic varies.

AHS 4105 Basic Statistics
1-3 semester hours

Available as an elective to all students.

Designed to acquaint the student with basic statistics including descriptive statistics, linear regression, and correlation and tests of significance for quantitative and qualitative variables.

AHS 4204 Introduction to Computer Fundamentals
3 semester hours

Available as an elective to all students.

The application of computers to the health care fields; computer language and equipment; digital computer hardware.

AHS 4201 Allied Health Professions and Health Care
2 semester hours

Required of all students in any curricula in the School of Allied Health Sciences.

This course covers the history of medical and health care in the world and the United States. Current health care administrative practices, hospital organization, and health systems will be evaluated. The economics of health care, governmental and private support as well as business and industrial use of health plans will also be studied. Demography and fiscal aspects of health are analyzed. Ethics and legal aspects for all health workers as they relate to all health systems are interpreted.

AHS 4206 Pathology (Lecture and Demonstration)
2 semester hours

A study of the fundamentals of general pathologic processes correlated with the clinical science symptoms, and the clinical course of those diseases which are likely to be encountered by allied health personnel involved in patient care.

CORE COURSES Cont'd

AHS 4310 Psychology of Personality
3 semester hours

The nature and meaning of personality, its determinants; theoretical explanations, and psychological appraisal of personality. Investigation of the interacting biological, psychological, and sociological factors which contribute to formation of behavior patterns in personality structure. Introduction to the basic theories of personality.

AHS 4407 Human Physiology
4 semester hours

A comprehensive study of the basic physiological principles dealing with the body systems and their interrelationships. Neurophysiology is stressed.

AHS 4608 Human Gross Anatomy
6 semester hours

A comprehensive study of the human body with emphasis on neuroanatomy. Includes osteology, arthrology, myology, and neurology.

Human Gross Anatomy and Human Physiology are 10 week courses taken concurrently and offered only in the summer.

ALLIED HEALTH EDUCATION AND INSTRUCTIONAL MEDIABACHELOR OF SCIENCE
ALLIED HEALTH EDUCATION

Director: Assistant Professor John J. Hedl, Jr.

Faculty

Assistant Professor: John J. Hedl, Jr.
Instructor: E. Kathleen Davis

An undergraduate curriculum is offered leading to the Bachelor of Science degree in Allied Health Education. Students are admitted to this junior-senior year program after having successfully completed a minimum of 60 semester hours of collegiate work. Students with 90 semester hours may be considered for entry into the senior course sequence leading to the degree. Admission to the program will be granted in both the Fall and Spring semesters. However, it is recommended that students begin in the Fall semester to complete the optimal sequence of courses and practicum experiences.

The purpose of the program is to prepare allied health professionals for teaching careers in their respective disciplines. The major objective of the program is to increase the necessary manpower in the allied health professions by providing instructors for the expanding health care sciences curricula. Specifically, the program is designed to prepare personnel for teaching positions in universities, four-year institutions, community colleges, hospitals, and related agencies.

Curriculum

The junior-senior year curriculum will provide the student with a carefully structured foundation for a professional teaching career in allied health training programs. The junior year curriculum will focus in the behavioral and social science areas giving the student a strong background in psychological and sociological principles with their appropriate instructional applications. The senior year program of study will enable the student to plan for and implement instruction which involves the following activities:

- 1 Selection and formation of instructional objectives;
- 2 Organization of curriculum content;
- 3 Selection and execution of appropriate instructional strategies; and
- 4 Evaluation of curriculum effectiveness.

These competencies will be achieved through a close integration of academic requirements and practical skill development. Student teaching activities will enable the student to integrate and develop new concepts and skills related to the total act of teaching, including instructional design, interactive teaching skills, and evaluation procedures.

Requirements For Admission

Students must meet the general requirements of the School of Allied Health Sciences which include a 2.00 grade point average (GPA) from all accredited colleges or universities attended. Submission of Scholastic Aptitude Test (SAT)

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ALLIED HEALTH EDUCATION AND INSTRUCTIONAL MEDIA Cont'd

scores or American College Test (ACT) scores is desirable, but not required for final admission.

The Admissions Committee of the Undergraduate Curriculum in Allied Health Education will individually evaluate each applicant according to the merit of his credentials.

Admission prerequisites for the Allied Health Education program include the following:

- 1 License or certification appropriate to the the applicant's health specialty.
- 2 Relevant employment experience in an allied health specialty.
- 3 Current employment in an allied health specialty or less than 5 years away from the specialty field.
- 4 Completion of two years of academic study (60 semester hours or equivalent in quarter hours) from an accredited institution.

Students may be admitted to the program with minor deficiencies in the admission requirements. However, course deficiencies must be completed by the student before a degree may be granted. In this respect, students will not be considered degree candidates until the necessary prerequisites are satisfactorily completed.

Course entrance deficiencies may be satisfied by correspondence and/or extension courses from accredited institutions or by examination (College Level Examination Program - CLEP). A minimum score equal to or greater than the 50th percentile is necessary for course acceptance via the CLEP examination.

The School of Allied Health Sciences can accept substantially equivalent courses to satisfy a portion of entrance requirements. In addition, some academic credit may be granted for vocational - technical training in allied health areas. However, these procedures must have approval by the Dean's office.

Program of Instruction

The junior year program of study will comprise 30 semester hours, mainly in the behavioral and social science areas. Students will receive a minor in this area with completion of 18 semester hours in psychology related disciplines. These 18 required hours would thus comprise a minor in Behavioral and Social Science. The electives in the junior year will be chosen by the student from other School of Allied Health Sciences courses or from an accredited four-year institution of higher education with permission of the Allied Health Education faculty.

The senior year program of study will consist of 32 semester hours concerned basically with innovative education training activities. This course of study is described in more detail below.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ALLIED HEALTH EDUCATION AND INSTRUCTIONAL MEDIA Cont'd

	<u>Junior Year</u>	
	Fall	Spring
AHS 3309	-	3
AHS 3301	3	-
AHS 4105	3	-
RS 4305	-	3
Electives**	9	9

	<u>Senior Year</u>	
	Fall	Spring
AHE 4391	3*	-
AHE 4392	3*	-
AHE 4393	3*	-
AHE 4494	-	4*
AHE 4395	-	3*
AHE 4696	6*	-
AHE 4297	2*	-
AHE 4201	-	2
Electives	1	6

*These courses may be repeated each long term or offered during other semesters according to demand and/or necessity.

**Six of these elective hours must be from psychology or related disciplines.

Description of Courses

AHE 4391 History and Philosophy of American Education
3 semester hours

This course provides an overview of the nature, scope, and purpose of the American educational system from both historical and philosophical viewpoints. The impact of historical and philosophical trends for current educational issues will be examined.

AHE 4392 Educational Psychology
3 semester hours

This course provides an overview of the interrelationships of psychology and the educational process. Emphasis will be placed on the following topics: learning theory applied to classroom situations; personality processes and their relationship to learning; individual differences and the instructional process; and an introduction to the assessment of human behavior.

AHE 4393 Measurement and Evaluation in Education
3 semester hours

This course involves the principles and methodology of classroom measurement and evaluation. Consideration will be given to both curriculum evaluation strategies and instrument evaluation techniques.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ALLIED HEALTH EDUCATION AND INSTRUCTIONAL MEDIA Cont'd

AHE 4494 Curriculum Design and Instructional Strategies
4 semester hours

This course involves methodological techniques of allied health curricula development from a systems approach philosophy. Instructional strategies will be developed according to the curriculum objectives, the nature of the content, and the psychological needs of the students. Prerequisite: Permission of instructor.

AHE 4395 Theory and Applications of Multi-Media Resources
3 semester hours

This course involves the theoretical principles underlying the selection and utilization of multi-media resources in the instructional process. Application principles will be developed in the areas of video tape, programmed instruction, computer-assisted instruction, and instructional television. Prerequisite: Permission of instructor.

AHE 4696 Student Teaching in Allied Health Programs
6 semester hours

Teaching experience under guided supervision will be provided within allied health programs, hospitals, or junior colleges. Each student will spend at least twenty hours per week for a semester in a program related to his professional discipline. Prerequisites: AHE 4391; AHE 4392; AHE 4393; AHE 4494; AHE 4495; and permission of instructor.

AHE 4297 Seminar: New Practices in Allied Health Professions
2 semester hours

This seminar is concerned with the procedures necessary to translate new professional practices into training and curricula for individual specialties. This seminar should be taken concurrently with student teaching.

Electives
6 semester hours

Two electives may be taken relating to education, psychology, sociology or allied health. These electives should support the major or minor and should be chosen in consultation with the faculty.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ALLIED HEALTH EDUCATION AND INSTRUCTIONAL MEDIA Cont'd

BACHELOR OF SCIENCE
INSTRUCTIONAL MEDIA TECHNOLOGY

Director: Associate Professor William A. Osburn

Faculty

Associate Professors: Fred L. Christen, William A. Osburn
Assistant Professors: Arthur Babick, William J. Stenstrom,
Virginia M. Vollmer, William M. Winn
Instructors: Karen L. Waldo, Joan Godlove
Teaching Staff: Robert A. Cooper, Michael Lorfing

The curriculum in Health Sciences Instructional Media Technology is designed to prepare persons to fill positions as highly skilled medical photographers. In addition to photographic skills, they will possess knowledge and skills in simple art preparation, TV-film production, and audiovisual equipment management, maintenance, and operation. A basic foundation in related health sciences and an introduction to principles of instructional technology are also included.

Requirements for Admission

Completion of three years of university credits in liberal arts is required, including the basic requirements of the School of Allied Health Sciences.

Recommended Prior Study:

- 1 Applied art: 24 semester hours including basic drawing, fundamentals of design, graphic design, mechanical drawing techniques, graphic arts in journalism.
- 2 Photography - TV-Film: 21 semester hours including basic still camera operation, photographic materials and darkroom techniques, photochemistry, TV-Film production techniques, audiovisual production, and motion picture editing.
- 3 Education: Psychology of Learning - 6 semester hours.
- 4 Sciences: 18 semester hours including general chemistry, applied general physics, and general biology.

These courses and semester hours are listed only as a guideline for students beginning undergraduate university preparation. They are not to be considered rigid prerequisites. Each applicant will be considered on individual merit.

Program of Instruction

The curriculum is offered through the faculty and staff of the Department of Medical Art and Visual Education and the Office of Instructional Communications of The University of Texas Health Science Center at Dallas.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ALLIED HEALTH EDUCATION AND INSTRUCTIONAL MEDIA Cont'd

	Summer	Fall	Spring
AHS 4407	4	-	-
AHS 4608	6	-	-
AHS 4206	-	2	-
IMT 4451	-	4	-
IMT 4341	-	3	-
IMT 4331	-	3	-
IMT 4361	-	3	-
AHS 4201	-	-	2
IMT 4452	-	-	4
IMT 4342	-	-	3
IMT 4362	-	-	3
IMT 4332	-	-	3
IMT 4313	-	-	3

Description of Courses

IMT 4451 Basic Biomedical Photography
4 semester hours

Beginning with a review of basic photographic principles, chemistry, optics, and large and small format camera operation, the student is allowed to progress, according to his ability, to more advanced biomedical applications. The student will be introduced to the subject matter and environmental restrictions of operating rooms and special conditions of working with hospital personnel and patients.

IMT 4341 Instructional TV-Film Production
3 semester hours

Beginning with a review of the basic principles of cinematography, lighting, 16mm camera operation, film editing, and production techniques, the student is allowed to progress according to his ability, to more advanced biomedical applications. Working with department staff and outside laboratories, the student will complete a two minute, silent, single concept instructional film on an assigned biomedical subject. The project will involve planning, scripting, shooting, editing, and titling, resulting in a finished useable product.

IMT 4331 Principles of Instructional Communication
3 semester hours

An introduction to the principles of effective communications in oral, written, and visual forms. Experience in defining objectives, specifying behavioral outcomes of instruction, and designing and evaluating messages to achieve these outcomes. Emphasis will be placed on application of programmed instructional techniques to medical instructional situations. Course lays the theoretical foundation for work to be undertaken in IMT 4313 Senior Practicum.

IMT 4361 Design of Instructional Graphics
3 semester hours

This course begins with a review of the principles and devices of design, color, mechanical drawing tools, and materials for assembly of graphic visuals for various methods of reproduction and presentation. The student must demonstrate the ability to design and construct creative, artistic, effective graphics for reproduction as slides, films, video-tapes,

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

ALLIED HEALTH EDUCATION AND INSTRUCTIONAL MEDIA Cont'd

or printed materials. Emphasis will be on legibility and instructional effectiveness.

IMT 4452 Advanced Biomedical Photography and AV Media Production - 4 semester hours

A continuation of IMT 4451. In this course the student is given practical assignments of photography of patients in the clinic and in surgery, macro-photography, copying radiographs, and intraoral and endoscopic photography. Instruction and experience will be provided in the use of special photographic materials and equipment useful in biomedical research and documentation. Students will be introduced to a variety of audiovisual instructional hardware and provided instruction and experience in the preparation of photographic and audio materials for use in special formats, such as audio recording and synchronization of sound with visuals for various types of hardware.

IMT 4342 Instructional TV-Film
3 semester hours

A continuation of IMT 4341. In this course the student will complete a five minute color, sound film incorporating titles, graphics, and advanced editing techniques. Special experience will be provided in filming of surgical procedures and other specialized biomedical subjects. The student will be introduced to the basic technical operation of television cameras and control units and will produce a five minute studio video tape.

IMT 4362 Design of Instructional Graphics
3 semester hours

A continuation of IMT 4361. The student will be provided instruction and experience in the design and production of exhibits, displays, three-dimensional models, and simple animation techniques for films. Special instruction will be provided in photomechanical reproduction processes, typography, and preparation of camera ready copy.

IMT 4332 TV-AV Media Utilization
3 semester hours

A survey of the characteristics of a variety of currently useful audiovisual equipment, costs, operation and simple maintenance, inventory management, and management of an audiovisual service facility.

IMT 4313 Senior Practicum
3 semester hours

Under the direction of faculty in Instructional Communications the student will work as the media expert on a team with subject matter expert and instructional methodologist to produce an instructional media package. The application of principles learned in IMT 4331 Principles of Instructional Communications will be stressed, including audience analysis and evaluation techniques.

HEALTH CARE SCIENCESPHYSICIAN'S ASSISTANT PROGRAM

Bachelor of Science
Health Care Sciences

Director: Instructor John C. Delahunt
Medical Director: Emeritus Professor J. Paul North

Faculty

Emeritus Professor: J. Paul North
Professors: John W. Schermerhorn, Hal T. Weathersby
Assistant Professor: Gordon H. Templeton
Instructors: John C. Delahunt, Maurine Giese, Charles Lewis
Adjunct Instructors: William Neal, Michael Gidcomb

The Department of Health Care Sciences offers a two-year program for education of Physician's Assistants leading to the degree of Bachelor of Science in Health Care Sciences.

The Physician's Assistant Program has been established in order to provide a broadly trained health professional who can absorb a number of duties ordinarily performed by a physician. In such a role, the Physician's Assistant can free his supervising physician for more demanding and complicated medical procedures. One of the chief goals in the preparation of such an assistant is to enable the physician to see a greater number of patients as well as allow him to spend more time with seriously ill patients who need his medical expertise.

The graduate of this program will be capable of approaching the patient, collecting historical and physical data, organizing these data, and presenting it in such a way that the physician can visualize the medical problem and determine the next appropriate diagnostic and therapeutic steps. He is also capable of assisting the physician by performing diagnostic and therapeutic procedures as well as coordinating the roles of more technical assistants. It is emphasized that he functions under the general supervision and responsibility of the physician, although he might, under specially defined rules and circumstances, operate away from the immediate surveillance of the physician. To perform properly at this level of responsibility, the Physician's Assistant must be trained by and for physicians in order to possess sufficient knowledge of medicine to permit a degree of interpretation of findings and a degree of independent action within these defined rules and circumstances.

Requirements for Admission

Sixty hours of college Arts and Sciences are required for admission. This two year professional course begins in the junior year with concentration in a didactic curriculum of basic medical sciences. Also included are a series of courses designed to provide the student with basic skills, knowledge, and capabilities of a Type A Physician's Assistant as defined by the Board of Medicine of the National Academy of Sciences. The senior year is devoted entirely to extensive rotations through the clinical facilities of affiliated hospitals, as well as private and group practices of Family Physicians.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

HEALTH CARE SCIENCES Cont'd

As a direct result of the combination of the broad basic curriculum involved in the junior year and extensive rotation through clinical areas in the senior year, this baccalaureate graduate will be highly qualified to serve with a primary care physician as a Physician's Assistant (Generalist).

Program of InstructionJunior Year

	Fall	Spring	Summer (8 weeks)
HCS 3000	0	-	-
HCS 3501	5	-	-
HCS 3402	4	-	-
AHS 3301	3	-	-
HCS 3203	2	-	-
HCS 3204	2	-	-
AHS 4206	2	-	-
HCS 3205	-	2	-
HCS 3106	-	1	-
HCS 3207	-	2	-
HCS 3308	-	3	-
HCS 3309	-	3	-
HCS 3410	-	4	-
AHS 4201	-	2	-
HCS 3211	-	-	2
HCS 3212	-	-	2
HCS 3213	-	-	2

Senior Year

Required Rotations:

Medicine	8 weeks
Surgery	8 weeks
Pediatrics	8 weeks
*Outside Assignment (Family Physician)	8 weeks

Electives (16 weeks)

Select not more than 2 - each 8 weeks in duration:

Radiology
 Cardiology
 Orthopedics
 Urology
 Obstetrics-Gynecology
 Neurology
 Psychiatry
 Etc.

*The outside assignment will be scheduled as the last rotation of the school year.

Description of Courses

HCS 3000 Medical Terminology
 0 semester hours

A study of Greek and Latin word roots in order to formulate a working knowledge of medical etymology. Orientation is

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

HEALTH CARE SCIENCES Cont'd

directed toward the terminology of various system disorders, diseases, and clinical disorders, in order to understand and develop an accurate historical, physical and clinical record. Spelling, punctuation, and writing styles in the maintenance of records and forms will be emphasized. Proficiency must be demonstrated or programmed text completed within the first month of enrollment.

HCS 3501 Human Anatomy
5 semester hours

A comprehensive study of the human body. Emphasis is placed on the major characteristics of each body system and its function and relationship to each other system in that area. Various teaching media such as anatomical models, slides, charts, video tapes, and films will be used. The student will frequently observe specimens of dissected cadavers. Instruction is correlated with that given in Physiology.

HCS 3402 Physiology
4 semester hours

The course instructs the student on the function of the major physiological systems in the human body. The topics covered include physiology of biological membranes, blood circulation, skeletal muscle, digestion, respiration, excretion, nerves, and glands of internal secretion. Instruction correlates with that given in Human Anatomy.

HCS 3203 Patient Evaluation I
2 semester hours

Introduces the student to techniques used in eliciting patient histories and performing physical examinations. This portion of the two-part course includes detailed instruction in the elicitation and proper recording of the chief complaint, history of previous illness, system review, past medical history, and social and family history. Instruction includes both the traditional and problem-oriented approach to recording data.

HCS 3309 Biochemistry
3 semester hours

The student is presented the basic aspects of human biochemistry, focusing attention on the basic theories and laws of chemistry and physics as applied to the structure and function of living cells, tissues, and organic systems. An introduction to metabolic processes is considered by a study of the environment and nutrition of man, respiration, and energy requirements as well as the mechanics necessary for regulating and maintaining a constant status. Consideration is also given to the pathological interpretation of these control mechanics.

HCS 3410 Clinical Medicine II
4 semester hours

Detailed instruction is presented, pointing out the functional abnormalities seen in the major diseases involving the joints, nervous system, and liver; an overview of diseases encountered in clinical genetics, pediatrics, obstetrics, and infectious

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

HEALTH CARE SCIENCES Cont'd

diseases; and the problem-oriented approach and its application to some commonly encountered clinical problems is introduced.

HCS 3111 Human Behavior
2 semester hours

The student is taught the principles of normal behavior and how to evaluate his own feelings and behavior. As extensions of normal behavior, the common psychological and psychiatric disorders seen in a general medical practice in adults and adolescents are presented. The student learns how illness modifies behavior and these adaptations are discussed from normal to pathological stages. General management of behavior problems is covered including patient counseling, the student's therapeutic limitation, and referral services.

HCS 3204 Clinical Medicine I
2 semester hours

The student receives a series of lectures emphasizing the functional abnormalities seen in the major diseases involving the blood, heart, lung, kidney, gastrointestinal tract, and endocrine glands.

HCS 3205 Pharmacology
2 semester hours

Presents the scope of Pharmacology and its relation to other sciences and develops an analytical approach to drugs including: indications for, actions, toxic effects, and related treatment. Discusses the preparation of dosage, classification, and control of drugs. Study special grouping of drugs, i.e., hypnotics, sedatives, analgesics, antibiotics, etc.

HCS 3106 Microbiology
1 semester hour

This course introduces the student to the clinical applications of bacteriology and microbiology. The common bacteria, fungi, and viruses that cause human disease are studied. Specimen collection, handling, identification, and bacteriologic techniques are taught through lecture and laboratory experience.

HCS 3207 Introduction to Surgery
2 semester hours

This is a didactic lecture course covering such fundamental surgical subjects as wound healing, shock, nutrition, post-operative infection, burns, aseptic technique, and tissue transplantation. No attempt is made to cover operative techniques. Surgical specialities will be presented by guest lecturers.

HCS 3308 Patient Evaluation II
3 semester hours

Continuation of Patient Evaluation I with extensive clinical exposure developed to acquaint the student with techniques. The student is expected to integrate the physical findings with data collected in the historical interview in such a way that the supervising physician can determine the next

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

HEALTH CARE SCIENCES Cont'd

appropriate diagnostic or therapeutic step. Repeated exposure to both inpatients and outpatients is an essential part of this course and the results are carefully reviewed by the supervising physician.

HCS 3212 Community Health
2 semester hours

This course provides an introduction to the services and programs of local, state, and federal health agencies. Epidemiologic risk factors in disease as well as the interaction of the physician, public health nurses, allied health workers, and health agencies is explored in an effort to provide optimal health care to each individual. The traditional and innovative concepts of Preventive Medicine are stressed. Field trips will be conducted to provide practical learning experiences.

HCS 3213 Diagnostic Procedures
2 semester hours

A series of presentations involving basic theory, concepts and practices in the fields of laboratory medicine, electrocardiography, and radiographic diagnostic techniques and procedures. The student learns to accomplish basic tests and procedures in each of those fields as well as to distinguish between normal and abnormal findings.

MEDICAL TECHNOLOGYBACHELOR OF SCIENCE
MEDICAL TECHNOLOGY

Chairman: Professor L. Ruth Guy
 Medical Director: Professor Vernie A. Stembridge

Faculty

Professors: L. Ruth Guy, Jay P. Sanford, Vernie A. Stembridge
 Associate Professor: A. Ben C. Dowdy
 Assistant Professors: Robert S. Putnam, W. Thomas Sparrow, Arthur G. Weinberg
 Instructor: Barbara J. Marshall
 Clinical Assistant Professor: Ronald E. Buchanan
 Clinical Teaching Assistants: Judith C. Anderson, JoNell S. Burross, LaNelle B. Chancellor, Richard R. Clark, Ronald L. Clark, Billie J. Day, Judith K. Fincher, Linda B. Grona, Helen Hall, Earline Kutcher, Alice R. Ragsdale, Lorraine B. Sanford, Sandra S. Schwedler

Medical technology offers opportunities for service to students interested in biological and chemical sciences. Medical technologists are skilled laboratory workers who perform laboratory tests and analyses that aid physicians in diagnosis and treatment of patients. These include chemical and physical analysis of body fluids (clinical chemistry and urinalysis); examination of blood and its component cells (hematology); isolation and identification of bacteria, viruses, and parasites from diseased persons (clinical microbiology and parasitology), testing of blood serum for antibodies indicative of specific diseases (serology); cytogenetics; and collection, processing, storage of blood, pre-transfusion testing, and other immunohematologic procedures (blood banking). Such testing procedures may disclose subtle changes that might not be detected in other ways.

The medical technologist must know the theory and scientific fundamentals as well as the procedures for testing. Technologist work in hospitals, clinical laboratories, medical schools, research organizations, public health agencies, pharmaceutical companies and other related organizations.

The Curriculum

The curriculum is organized so that the twelve month training period is equivalent to the senior year in college. The student entering the program with a minimum of 90 semester hours or 135 quarter hours will work toward a Bachelor of Science in Medical Technology. The student entering the program with a baccalaureate degree will work toward a second baccalaureate degree in Medical Technology. Upon completion of the program the student is eligible to take the qualifying examination of the Registry of Medical Technologist of the American Society of Clinical Pathologists.

The curriculum is jointly approved by the Board of Schools of the American Society of Clinical Pathologists and by the Council on Medical Education of the American Medical Association. Students are accepted for January and August classes.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

MEDICAL TECHNOLOGY Cont'dRequirements for Admission

Completion of three years (a minimum of 90 semester hours or 135 quarter hours) of college training in an accredited college or university is a prerequisite. Credit in the following courses is required:

- 1 Biological sciences*: 16 semester hours (24 quarter hours). Both lecture and laboratory. Microbiology must be included. Immunology, genetics, physiology and anatomy are recommended.
- 2 Chemistry*: 16 semester hours (24 quarter hours). Organic or biochemistry must be included. Quantitative analysis and physical chemistry are recommended.
- 3 Mathematics: 3 semester hours (4 quarter hours). Minimum requirements are met by courses recognized as prerequisite to physics courses. Statistics is strongly recommended.
- 4 Physics: a college course in physics is strongly recommended.
- 5 Electives: Sufficient credits to provide a minimum of 90 semester hours. Although not required, a basic course in typing is recommended.

*The courses in chemistry and biological sciences must be acceptable towards majors in those fields of study. Survey courses are not acceptable.

Two complete transcripts of all college credit must be submitted to the School of Allied Health Sciences.

Program of Instruction

In addition to formal lectures, students will be assigned to various services of the Parkland Memorial Hospital Pathology Laboratories and the Children's Medical Center Laboratories for clinical experience. During the hospital assignments there will be conference teaching and demonstration of laboratory methods by Registered Medical Technologists who serve as clinical instructors. In addition, laboratory practice will be under the supervision of these technologists.

Failure to achieve a satisfactory level of performance in a reasonable length of time or performing tests in a manner dangerous to the welfare of patients will be considered grounds for dismissal.

Thirty-two semester hours in Medical Technology are required.

	Fall	Spring	Summer
MT 4401	4	-	-
MT 4803	8	-	-
MT 4104	-	-	10
AHS 4201	-	2	-
MT 4100	-	-	1
MT 4702	-	7	-

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

MEDICAL TECHNOLOGY Cont'dDescription of Courses

MT 4100 Urinalysis and Related Procedures.
1 semester hour

The course consists of 9 formal lectures and 4 weeks laboratory rotation. The course covers the anatomy and physiology of the urinary system, routine and special tests in urinalysis, renal function, gastric analysis, and stool examination.

MT 4104 Clinical Chemistry
10 semester hours

The course consists of 50 formal lectures and 16 weeks laboratory rotation. The course covers automated and manual procedures for chemical analysis, instrumentation, quality control, and their relationship to medical problems.

MT 4401 Hematology
4 semester hours

The course consists of 21 formal lectures and 8 weeks laboratory rotation. The course covers hematopoiesis, normal and abnormal cell morphology and hemoglobins, blood dyscrasias, and the mechanisms of coagulation and coagulation disorders.

MT 4702 Immunology and Serology
7 semester hours

The course consists of 25 formal lectures and 6 weeks laboratory rotation and conference teaching in the Blood Bank and 4 weeks laboratory rotation in serology. The course covers basic immunology, serological procedures, cytogenetics, fluorescent antibody techniques, immunohematology, and the collection, processing, storage, and pre-transfusion testing of whole blood and its components and derivatives.

MT 4803 Microbiology and Parasitology
8 semester hours

The course consists of 27 formal lectures and 12 weeks laboratory rotation and conference teaching. The course covers basic bacteriological methods for the isolation and identification of common pathogenic bacteria, fungi, and animal parasites and their relationship to human disease.

NUTRITION AND DIETETICSDIETETIC INTERNSHIP

Chairman: Assistant Professor Marilyn B. Haschke

Faculty

Professor: Donald S. Wiggans

Assistant Professors: Peggy C. Fry, Marilyn B. Haschke

Instructors: Luean E. Anthony, Margaret L. Bogle, Joan V. Whitson

Clinical Faculty: Instructors Rosa M. Adair, Norma F. Berry, Carol A. Hickey, Bessie P. Lively

Dietetics is a health profession concerned with the science and art of human nutritional care, an essential component of total health care. Professional practice includes the application of the knowledge of foods, nutrients and their requirements in the care of individuals and groups in health and disease throughout the life cycle. Dietetics includes the management of food services and nutritional care.

The dietitian is a specialist educated for a profession responsible for human nutritional care. This professional is a translator of the science of nutrition into the skill of providing optimal nourishment to people. The role of the dietitian may be in the management of food service, nutritional care of the sick and well, dietetics and nutrition education, or research.

Dietitians assume one of the many roles which characterize the profession. Following completion of the dietetic internship and in keeping with academic preparation, experience and interests, a dietitian may select from a variety of opportunities including:

- 1 Positions in large hospitals or medical centers: food service administrative dietitian; clinical, therapeutic, or medical dietitian; dietetic in-service instructor; or research dietitian
- 2 Positions in small hospitals and nursing homes; chief dietitian or consultant dietitian
- 3 Positions in federal, state, or community agencies: public health dietitian, and
- 4 Positions in schools, colleges and universities: food service administrative dietitian or faculty.

The Curriculum

The School of Allied Health Sciences offers and co-sponsors a Dietetic Internship in cooperation with Dallas County Hospital District. The internship is a program with emphasis in hospital food service administration and nutrition.

The clinical education and experience for Dietetic Interns is provided primarily in the Hospital District institutions, Parkland Memorial Hospital and Woodlawn Hospital. Varied experience in therapeutic and clinical dietetics includes the nutritional care of patients in many different services as medicine, surgery, obstetrics and gynecology. Food service management experience encompasses food purchasing, food production, and computerized inventory control. Clinical components in pediatrics and community nutrition are provided

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

NUTRITION AND DIETETICS Cont'd

through affiliations with Children's Medical Center and the Dallas City Health Department.

Satisfactory completion of the Dietetic Internship confers eligibility for membership in The American Dietetic Association. Upon acceptance into membership in A.D.A., the graduate is eligible to take the examination to become a Registered Dietitian.

Requirements for Admission

A baccalaureate degree within the last 5 years is required. Applicants must complete the Minimum Academic Requirements established by The American Dietetic Association. Student transcripts must be reviewed by the central screening service of The American Dietetic Association before an application is submitted.

Each application is reviewed by the Dietetic Internship Appointment Committee. A grade point average of 2.8 or higher on a 4.0 scale is preferred.

The Internship is forty-four weeks in length. Applications to the program must be submitted on or before March 1. Applicants receive notification of appointment on the Wednesday nearest April 15 each year. Interns appointed to the program are admitted on the last Monday in August.

A quota of eight interns with stipend is appointed for each class. The stipend is about \$333/month.

Complete internship information may be requested from the Dietetic Internship Director, School of Allied Health Sciences, The University of Texas Health Science Center at Dallas, 5323 Harry Hines Boulevard, Dallas, Texas 75235.

Program of Instruction

	Fall	Spring	Summer
Biochemistry 351	3	-	-
Biochemistry 153a	1	-	-
Biochemistry 352	-	3	-
Biochemistry 153b	-	1	-

Description of Courses

Biochemistry 153a Nutrition Seminar
1 semester hour

Description: Discussion of selected topics in nutrition and biochemistry including review of current literature and research findings.

Prerequisites: Required: One semester or quarter of college organic chemistry subject to approval of teaching faculty.
Recommended: One semester or quarter of biochemistry.

Biochemistry 153b Nutrition Seminar
1 semester hour

See description of 153a

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

NUTRITION AND DIETETICS Cont'd

Biochemistry 351 Recent Advances in Nutrition
3 semester hours

Description: Advanced study of nutrition and metabolic interrelationships with lecture and discussion of the biochemistry of major nutrients in the regulation of metabolism in normal and pathological states.

Prerequisites: Required: One semester or quarter of college organic chemistry subject to approval of teaching faculty.
Recommended: One semester or quarter of basic biochemistry.

Biochemistry 352 Recent Advances in Nutrition
3 semester hours

Prerequisite: Biochemistry 351.

PHYSICAL THERAPYBACHELOR OF SCIENCE
PHYSICAL THERAPY

Chairman: Associate Professor Doris E. Porter

Faculty

Assistant Professors: Donna El-Din, Phala Helm, E. Ralph Johnson

Instructors: Marjorie Barré, Donald Woerz

Adjunct Faculty: Assistant Professor John R. Shull

Physical Therapy is a health profession concerned with the prevention of disability, and with the evaluation, maintenance, and improvement of the functions of the musculo-skeletal, neuromuscular, cardiovascular, and respiratory systems of the individual. Evaluation procedures may include tests of respiratory, sensorimotor, circulatory, and developmental status, and assessment of the level of independent function.

Treatment programs are designed to improve or restore muscle strength, range of joint motion, coordination, and endurance, to relieve pain, to develop new motor skills, and to assist the patient to achieve realistic goals consistent with his functional capacity. Patients are referred for physical therapy by physicians.

Physical therapy is implemented through direct patient care, through instruction of patients, their families, and supportive personnel, and through coordination and consultation with other health professionals in the community.

The Curriculum

The Physical Therapy Curriculum provides one program of education for two classifications of students and begins each year in early June.

The curriculum is designed as the fourth year of a Baccalaureate Degree Program and provides the professional education for students majoring in Physical Therapy. Students admitted to the program are candidates for the baccalaureate degree conferred by The University of Texas Health Science Center at Dallas. Candidates accepted for admission who already hold a baccalaureate degree will be granted a second baccalaureate degree on successful completion of the curriculum.

The curriculum encompasses an academic portion which includes a ten-week summer session, a fall, and a spring semester. This is immediately followed by a summer semester devoted entirely to clinical education. To be eligible to enter the clinical education phase of the program a student must present a cumulative G.P.A. of 2.0 for the academic portion of work completed.

The academic portion comprises theory in the basic, clinical, and professional sciences. Professional skill development is emphasized.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

PHYSICAL THERAPY Cont'd

The clinical education experience is provided by some twenty-five affiliating institutions geographically located throughout the South and Midwest but predominantly in Texas. Each affiliating institution has one or more persons appointed as Clinical Instructor(s). Each student rotates through four of these institutions providing a broad experience in both general and specialty areas of physical therapy.

Failure of the student to perform at a satisfactory (C) level during any portion of this clinical rotation will be considered grounds for dismissal. Performance which is deemed to be dangerous to the welfare or safety of the patient shall be considered unsatisfactory.

Students graduated from this curriculum which is approved by the Council on Medical Education of the American Medical Association in collaboration with the American Physical Therapy Association are eligible for membership in the American Physical Therapy Association. They are also qualified to sit for state registration or licensing examinations in any state.

Requirements for Admission

The following special requirements are prerequisite for selection and admission.

General Physics 8 semester hours
(Including light, heat, sound, mechanics and electricity)

General Chemistry 8 semester hours

Biologic Sciences 12 semester hours
Comparative or Vertebrate Anatomy or equivalent
(including laboratory) - 4 semester hours
General or Vertebrate Physiology
(including laboratory) - 4 semester hours

Psychology 6 semester hours
Including Abnormal Psychology or Personality Adjustment

Speech 3 semester hours

The above courses are applicable toward the general admission requirements previously listed in this bulletin.

Preference will be given to applicants with courses in scientific or research writing, logic, physiological psychology and/or foreign language.

Factors considered for selection among applicants are: cumulative grade point average, average in science courses, breadth of science background, consistency and/or improvement in academic performance, as well as personal qualities, motives, and characteristics ascertained from letters of reference and personal interview.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

PHYSICAL THERAPY Cont'dProgram of Instruction

	Summer	Fall	Spring	Summer
AHS 4608	6	-	-	-
AHS 4407	4	-	-	-
PT 4613	-	6	-	-
PT 4619	-	6	-	-
PT 4215	-	2	-	-
PT 4111	-	1	-	-
PT 4017	-	0	-	-
AHS 4206	-	2	-	-
Elective	-	1-3	-	-
PT 4226	-	-	2	-
PT 4323	-	-	3	-
PT 4229	-	-	2	-
PT 4425	-	-	4	-
PT 4027	-	-	0	-
PT 4121	-	-	1	-
AHS 4201	-	-	2	-
RS 4306	-	-	3	-
PT 4637	-	-	-	6

Description of Courses

PT 4111 Physical Therapy Seminar I
1 semester hours

A review of current professional literature. An introduction to research. Includes basic statistics, writing, and interpretation.

PT 4613 Theory and Procedures 1A and B
6 semester hours

A. Physical and physiological principles providing the basis for the use of physical agents and massage. Demonstration and practice in their application for therapeutic purposes.

B. Evaluation procedures for the assessment of physical and physiological conditions. Provides the analytical bases for planning treatment and functional activities.

PT 4215 Therapeutic Exercise I (Lecture and Laboratories)
2 semester hours

Physical and physiological principles providing the basis for exercise. Demonstration and practice in the fundamentals of basic exercises used for therapeutic purposes.

PT 4017 Clinical Education I (Orientation)
0 semester hours

Clinical observation with gradually increasing responsibility for the application of learned techniques of patient care. Considered as a portion of the laboratory work for PT 4613.

PT 4619 Medical Science I
6 semester hours

Introduction to clinical medicine with particular attention to the areas of general medicine, orthopedics, and neurology. The surgical procedures are included for each area.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

PHYSICAL THERAPY Cont'd

PT 4121 Physical Therapy Seminar II
1 semester hour

Panel discussions - related professions, organization and management, community agencies, etc. An investigative paper is required.

PT 4323 Theory and Procedures IIA and B
3 semester hours

A continuation of Theory and Procedures IA and B.

PT 4425 Therapeutic Exercise II (Lecture and Laboratory)
4 semester hours

A continuation of Therapeutic Exercise I. Includes exercise methods based on neurophysiological approaches and the rehabilitation and functional restoration of patients with varying disabilities.

PT 4226 Kinesiology
2 semester hours

Mechanics of skeletal muscular activity; the application of the principles of physics and physiology to the detailed analysis of normal and abnormal body movements.

PT 4027 Clinical Education II (Introduction)
0 semester hours

Continuation of Clinical Education I with increased treatment responsibility. Considered as a portion of the laboratory work for PT 4425.

PT 4229 Medical Science II (Prerequisite - Medical Science I)
2 semester hours

A study of disabilities for which physical therapy may be indicated, especially from the medical and neurological aspects. Included are etiology, differential diagnosis, general medical management, physical medicine implications, etc.

PT 4637 Clinical Education III (Practicum)
6 semester hours

Sixteen weeks of clinical experience in approved affiliated institutions. This shall consist of experience in Physical Therapy Clinics whose caseloads are primarily in the areas of medicine and surgery, rehabilitation, pediatrics, and neurological disorders.

REHABILITATION SCIENCEBACHELOR OF SCIENCE
REHABILITATION SCIENCEMASTER OF SCIENCE
REHABILITATION COUNSELING

Chairman: Associate Professor Donald A. Pool

Faculty

Professor: Harry J. Parker
 Associate Professor: Donald A. Pool
 Assistant Professors: Robert E. Boudreaux, G. Fred Cromes,
 Paul S. McCollum, Frances F. Price
 Instructors: Peggy J. Moore, Mack D. Nealy
 Adjunct Faculty: Associate Professors Franklin D. Lewis,
 Robert E. Thomas; Assistant Professors Myra V. T.
 Charest, David W. Pearson; Instructors Claudie McDowell,
 Michael K. Muegge
 Clinical Faculty: Instructors Raymond Dabney, Wallace L.
 Edge

UNDERGRADUATE PROGRAM

Director: Assistant Professor Robert E. Boudreaux

The primary objective for the undergraduate program is to provide training for individuals who desire to pursue a career in rehabilitation and related human service fields. The goal is to meet manpower needs for trained personnel to work in rehabilitation settings whose primary focus is to increase opportunities for physically and mentally disabled and disadvantaged persons to be independent and productive, consistent with their abilities and life goals.

Specifically, persons are trained for positions in vocational rehabilitation agencies, rehabilitation centers, sheltered workshops, residential facilities, social welfare agencies, state employment services, evaluation centers, correctional institutions, health-related associations, and other helping-health agencies. Persons completing the degree requirements are awarded a Bachelor of Science Degree in Rehabilitation Science, and are able to function as rehabilitation specialists, rehabilitation teachers, rehabilitation caseworkers, case service managers, employment interviewers, work evaluators, placement specialists, probation officers, parole workers, welfare caseworkers, and community workers.

This rehabilitation curriculum provides a sound foundation for a student to enter employment and the opportunity to enter graduate study in areas such as Rehabilitation Counseling, Social Work, Administration of the Aged, Hospital Administration, and Public Health Administration.

The Curriculum

Students are admitted to the program after having completed successfully a minimum of 60 semester hours of college work and the admission prerequisites. Students may enter the program as juniors or seniors to qualify for the Bachelor of Science Degree in Rehabilitation Science. Persons already having a degree may receive an additional baccalaureate degree upon the completion of a minimum of 30 semester hours. Local agency personnel and interested persons may take courses on a part-time basis; however, after the completion of six semester hours with the Department, they must make their declaration for a degree.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

No degree will be awarded retroactively on the basis of previous course work taken with the Department. Specific courses may be taken by interested persons for professional growth, pending approval by the Department Admissions Committee. Students pursuing a degree are advised to initiate their course work in the Fall to obtain the desired sequence of courses and experiences.

Requirements for Admission

Students must meet the general requirements of the School of Allied Health Sciences which include an acceptable grade point average on all previous college work. The Admissions Committee of the Department of Rehabilitation Science shall determine whether the applicant is admitted into the program in accordance with the quality of his credentials. An interview with all applicants, when possible, is desired to assist students in their career plans.

In addition to the general requirements for admission to the School of Allied Health Sciences, courses in the following areas are recommended as highly appropriate for the Rehabilitation Science Curriculum: Psychology, Sociology, Industrial and/or Personnel Management, Urban Studies, Education and Health.

Training Facilities

Cooperating community agencies and the departments and divisions within the Medical School offer a valuable contribution to the student's understanding of the physically disabled (including heart, cancer, and stroke patients, amputees, paraplegics, etc.), the mentally retarded, the emotionally disturbed, and the culturally disadvantaged. Since the program is located within a metropolitan area with numerous social and rehabilitation agencies as well as a major medical center, learning experiences with many disabled and disadvantaged groups can be integrated into the student's program.

All degree students are required to take two supervised clinical practicums in the senior year which include direct experiences with the disabled and disadvantaged in rehabilitation settings. They are provided with an orientation to community agencies which emphasize vocational appraisal, training, placement, and social services. One practicum must be with an agency that serves the developmentally disabled. Each semester the student spends 12 hours per week for twelve weeks in a rehabilitation setting and he acquires three semester hours credit.

Agencies participating in the applied clinical practicum experience presently include: Texas Rehabilitation Commission (Dallas & Fort Worth Regions); Texas State Commission for the Blind (Dallas Region); Parkland Hospital, Department of Physical Medicine and Rehabilitation; Dallas Rehabilitation Institute; DAL-WORC (Sheltered Workshop & Evaluation Facility); Texas Department of Public Welfare (Dallas Region); Goodwill Industries of Dallas; Dallas Association for Retarded Children; Dallas Epilepsy Association; Texas Board of Pardons and Paroles; Children's Development Center; Jewish Vocational Counseling Service; Dallas County Mental Health and Mental Retardation Center; Easter Seal Society for Crippled Children and Adults of Texas; United Cerebral

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

Palsy Association of Dallas County; Callier Speech and Hearing Center; Children's Inc.; National Association for Retarded Children; Texas Department of Mental Health and Mental Retardation (Denton State School); and Youth Services Bureau of Tarrant County.

Program of InstructionJunior Year

	Fall	Spring	Summer
*RS 3301a	3	-	-
AHS 3301	3	-	-
*RS 3303a	3	-	-
Elective	6	-	-
RS 3302	-	3	-
AHS 3309	-	3	-
*RS 3301b	-	3	-
*RS 3303b	-	3	-
Elective	-	3	-

Senior Year

	Fall	Spring	Summer
*RS 4301	3	-	-
*RS 4302	3	-	-
*RS 4303a	3	-	-
*RS 4305	3	-	-
Elective	3	-	-
*RS 4304	-	3	-
*RS 4306	-	3	-
*RS 4303b	-	3	-
*AHS 4201	-	2	-
*RS 4401	-	4	-

*Required courses for degree

Electives

AHS 4002	Directed Readings
AHS 4003	Research Problems
AHS 4206	Pathology
AHS 4310	Psychology of Personality
AHS 3308	Psychology of Human Relations
RS 3304	Services for the Aged
RS 3305	Rehabilitation Approaches to Drug Abuse
RS 3306	The Public Offender in Society
RS 3307	Social Welfare as an Institution
RS 3308	Social and Rehabilitation Sciences
	Services for the Blind
RS 3309	Rehabilitation of the Deaf
RS 3310	Poverty and the Disadvantaged
RS 3311	Field Work in Rehabilitation Services
RS 4308	Techniques in Placement and Training
RS 4309	Measurement in Rehabilitation

REHABILITATION SCIENCE Cont'dDescription of Courses

RS 3301a Introduction to Rehabilitation I
3 semester hours

An orientation to the historical, legislative, and philosophical development of the present social and rehabilitation service system and the professions that practice in rehabilitation with investigation of existing public and private agencies.

RS 3301b Introduction to Rehabilitation II
3 semester hours

A continuation of Intro. to Rehab. I with an emphasis upon the rehabilitation process, rehabilitation facilities, and community resources, and disability groups served by social and rehabilitation agencies.

RS 3302 Vocational Services for the Disabled and Disadvantaged
3 semester hours

An analysis of the principles, assumptions, and approaches of the various vocational services available to the disabled and disadvantaged. Focus in on techniques of vocational evaluation (social, psychological, functional capacity, simulated and real work); work preparation (work adjustment, work conditioning, personal-social adjustment, and skill training); and actual selective job placement. Includes study of community training and industrial resources.

RS 3303a Rehabilitation of the Mentally Retarded I
3 semester hours

Survey of the etiology and general characteristics of the mentally retarded. Includes study of history, legal and human rights, counseling, the team approach to assessment, administrative services, and the techniques and therapies utilized. Emphasis is on integration of academic concepts, applied experience, and field visitations.

RS 3303b Rehabilitation of the Mentally Retarded II
3 semester hours

Continuation of Rehabilitation of the Mentally Retarded I with emphasis on education and curriculum, care programs, vocation rehabilitation, social and recreational services, sheltered workshops, rural programs, public relations, and research.

RS 3304 Services for the Aged
3 semester hours

A study of the rehabilitation of the elderly from a wide variety of viewpoints. Psychophysiology, personality changes, attitude differences, and the living patterns of older people. Problems of retirement and vocational adjustment of the older disabled worker.

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REHABILITATION SCIENCE Cont'd

RS 3305 Rehabilitation Approaches to Drug Abuse
3 semester hours

Presents a broad overview of the cultural and individual factors involved in drug abuse. Study of the incidence, symptoms, and current treatment resources available to drug abusers. Survey of primary addicting drugs. Presents the rehabilitation approach to the drug problem as a complex multifaceted effort involving many agencies and programs.

RS 3306 The Public Offender in Society
3 semester hours

Study of the public offender as a person and the delinquent as a social problem. Theories of delinquency and criminal behavior are stressed with methods of correctional treatment and preventive programs designed to provide rehabilitation services.

RS 3307 Social Welfare as an Institution
3 semester hours

Introduction to the welfare system. The nature of the American welfare structure, financing, and functions. The development of the system and major issues are stressed.

RS 3308 Social and Rehabilitation Services for the Blind
3 semester hours

A study of the history and philosophy of blindness in society, including legal aspects, and eye diseases. Emphasis is on mobility problems, the rehabilitation process, social services, research, adjustment training counseling, the work of the private agencies, special problems, community resources, communications, educational services, occupational information and career planning, placement, eye health care, and prevention of blindness.

RC 3309 Rehabilitation of the Deaf
3 semester hours

A survey of the etiology of deafness, psychology, and problems evident in habilitation and rehabilitation. A multidisciplinary approach to working with the deaf, emphasizing services of agencies, research and special problems, and vocational career development.

RS 3310 Poverty and the Disadvantaged
3 semester hours

A survey of concepts concerning poverty and disadvantaged persons as it relates to rehabilitation services and agencies. An investigation of sociological characteristics of minority and ethnic groups served by social and rehabilitation agencies.

RS 3311 Field Work
3 semester hours

Twelve weeks work experience. A work experience with a social and rehabilitation agency of the student's choice which enables one to apply the various concepts, principles, and knowledge he has learned in delivering services to the

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

disabled and disadvantaged. This course is available only during the summer and is an additional experience allowing the student to enrich his program. It cannot be substituted for Practicum I and II. A Pass or Fail grade will be given for this course.

RS 4301 Techniques of Interviewing
3 semester hours

Integrated didactic and experimental approach to the development of basic interviewing and counseling skills used in working with clients through the various phases of the rehabilitation process. Supervised interviewing and counseling sessions will be provided with rehabilitation clients.

RS 4302 Basic Casework Principles
3 semester hours

Introduction to the casework method and the various techniques expected of beginning rehabilitation workers such as interviewing, application and intake process, social history taking and its significance, and method presentation and report writing with emphasis upon working as a part of the rehabilitation team in an on-going coordination of services to a client.

RS 4303a Practicum I
3 semester hours

Supervised field experience in rehabilitation agencies in serving the disabled. Experience are supervised by University Faculty and the professional staff of the cooperating agencies.

RS 4303b Practicum II
3 semester hours

Continuation of Practicum I repeated for credit with a different agency.

RS 4304 Medical Aspects of Disabling Conditions and Diseases
3 semester hours

Survey of disabling conditions and diseases which cause biological illness and impairments. A body system approach to physical disabilities which includes the nervous system, circulatory, skeletal, respiratory, gastrointestinal, kidney, endocrine glands, disorders of the senses, neoplasms, dermatologic disorders, and others. Incidence of each disability, appropriate treatment, preventive measures, medical terminology, and sociological factors are emphasized.

RS 4305 World of Work
3 semester hours

A survey of the history of work and the philosophy and psychology of work as related to different societies. Analysis of work classification systems; the relationships of economic system to work consumption; information media about work; industrial and business appraisal of work; and automation with its effect upon all individuals.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

RS 4306 Psychological Aspects of Chronic Illness and Disability - 3 semester hours

An introduction to the emotional and mental reactions associated with biologic illness and impairments, with emphasis on client or patient psychological needs, conflicts, adjustment mechanisms, signs and symptoms of severe emotional distress; contribution of psychology to care and treatment; reactions of family and society to the chronically ill and disabled.

RS 4308 Techniques of Placement and Training
3 semester hours

Study of the methods of matching client physical and mental characteristics with job requirements. Focuses on techniques of teaching clients job seeking skills. Includes study of community training and industrial resources.

RS 4309 Measurement in Rehabilitation
3 semester hours

Consideration of a wide variety of both group and individual tests used in social and rehabilitation services through the experiences of actually taking, scoring, and interpreting tests. Interpretation will be emphasized in terms of validity, reliability, objectivity, and other pertinent criteria.

RS 4401 Rehabilitation Research: A Seminar
4 semester hours

An independent and group study of the results of present research in areas of rehabilitation. Encompasses rehabilitation philosophy and professional practices, an examination of activities and services, and a critique of effective program services in rehabilitation.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'dGRADUATE PROGRAM

Director: Assistant Professor Paul S. McCollum

The purpose of the program is to provide professional training for individuals being hired by state and private rehabilitation agencies. By "professional" training, is meant the body of knowledge, concepts, and skills that normally make up the profession of vocational counseling for disabled persons. Rehabilitation Counselors assist the physically, mentally, and culturally disabled to obtain their highest level of adjustment. They are involved in client assessment, counseling and guidance, obtaining medical and training services, and placement in the work environment.

The importance of rehabilitation counseling is increasing and new program emphases are creating demands for counselors with more highly differentiated skills. Rehabilitation counselors have traditionally worked with individuals having physical disabilities; however, the application of rehabilitation concepts to the solution of mental and social problems has created a need not only for more counselors but for counselors with varied subspecialties. Employment is found with State and Federal rehabilitation agencies, rehabilitation centers, employment services, sheltered workshops, prisons, hospitals, clinics, welfare offices, and educational facilities. This program has been designed to offer basic training in the rehabilitation of disabled individuals while offering opportunities for interested students to specialize in the treatment of social problems such as welfare, drug abuse, and the public offender.

The Curriculum

The graduate program is designed to train professional rehabilitation counselors in relevant theory and basic skills so that application can be made in field settings. To this end the program combines coursework, laboratory work, and supervised practice in rehabilitation settings. It is a program designed to give the student a systematic and integrated fund of knowledge and skills needed in working with the disabled and disadvantaged. A special effort has been made to give the student education in those areas of study relevant to future certification of rehabilitation counselors, e.g.:

- 1 Rehabilitation history and concepts;
- 2 Counseling theory and techniques;
- 3 Personality dynamics and theory;
- 4 Occupational information and vocational appraisal;
and
- 5 Community organization and resources.

Requirements for Admission

Applicants should have an undergraduate major in the behavioral sciences, e.g., Psychology, Sociology, Education, Business Administration, etc. Individual exceptions will be judged by the Graduate Admissions Committee of the Department of Rehabilitation Science. Work experiences in appropriate fields will also be considered when processing applications.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

Applicants for the program must also qualify for entrance into the Graduate School of The University of Texas System. Requirements are set forth in the graduate School bulletin. The prospective student should refer to page 13 in this bulletin. The prospective student must present at least a "B" average for upper division undergraduate courses as well as all graduate work and have an acceptable score on the Aptitude Test of the Graduate Record Examination.

An applicant seeking admission must present:

- 1 An application for admission including:
 - a. a recent photograph
 - b. a \$5.00 filing fee (check or money order only)
- 2 Two official transcripts of his entire college record certified by Registrar of college(s) involved
- 3 Three letters of reference from among the following:
 - a. last employer
 - b. current supervisor/employer
 - c. instructor in college major
 - d. a college faculty advisor
 - e. a personal acquaintance of five or more years
 - f. family physician
- 4 A physician's statement regarding health

All applicants will be interviewed personally by a faculty member of the Department of Rehabilitation Science and a battery of personality and ability tests will be administered. A strong recommendation is made for each applicant to arrange an interview with state administrators of the Division of Vocational Rehabilitation in their state in order to acquaint himself with the field of rehabilitation and to provide an agency view of the student's potential.

Program of Instruction

A course sequence is shown below so that the integration of practicum, core courses, and electives can be seen. As a student progresses through the sequence, he is involved more directly with the practical application of skills within rehabilitation agencies.

	<u>First Year</u>		
	Fall	Spring	Summer
RC 5311	3	-	-
RC 5331	3	-	-
RC 5332	3	-	-
RC 5335	3	-	-
RC 5361	3	-	-
RC 5312	-	3	-
RC 5313	-	3	-
RC 5333	-	3	-
RC 5334	-	3	-
RC 5361	-	3	-
RC 5314	-	-	3
RC 5351	-	-	3
RC 5391*	-	-	3
RC 5392*	-	-	3

*Student will chose either RC 5391 or RC 5392.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'dSecond Year

	Fall	Spring	Summer
RC 5391*	3	-	-
RC 5392*	3	-	-
RC 5691	6	-	-

*Student will chose either RC 5391 or RC 5392.

Electives

RC 5341	Motivation Problems in Rehabilitation
RC 5342	Procedures of Work Evaluation, Placement, and Training
RC 5343	Rehabilitation of the Public Assistance Recipient
RC 5344	Rehabilitation of the Drug Abuser
RC 5345	Rehabilitation of the Public Offender
RC 5346	Administrative Practices in Rehabilitation
RC 5352	Directed Readings in Rehabilitation

Practicum and Internship Facilities

The clinical facilities used in the undergraduate programs are used in the graduate practicum and internships. Please refer to page 54 of this bulletin.

Description of Courses

RC 5311 History and Philosophy of Rehabilitation
3 semester hours

Orientation to the field of rehabilitation including a survey of history, principles, philosophy, legal aspects, economics, and the service delivery systems of rehabilitation and related fields.

Prerequisite: Consent of Instructor

RC 5312 Psychology of Adjustment to Disability
3 semester hours

Psychodynamic principles underlying personal adjustment to disability with emphasis on client needs, conflicts, and adjustment mechanisms. Training in identification of client problems and making plans for action.

Prerequisite: Consent of Instructor

RC 5313 Medical Aspects of Disability
3 semester hours

Introduction to medical terminology and practices. Survey of body systems, basic functions, common malfunctions, therapeutic services, restorative techniques, and disability evaluation.

Prerequisite: Consent of Instructor

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

RC 5314 Community Organization and Resources
3 semester hours

Theory and principles of community organization and structure. Familiarization with community educational, social, and health agencies. Techniques of coordinating services emphasizing service delivery systems, community planning, consumer involvement, and interagency coordination.
Prerequisite: Consent of Instructor

RC 5331 Personality Development and Dynamics
3 semester hours

Historical and current theories of personality development. Discussion of research on the dynamics of behavior and their implications for the rehabilitation process.
Prerequisite: Consent of Instructor.

RC 5332 Occupational Information and Vocational Analysis
3 semester hours

Training in the use of occupational information including job analysis and placement. Study of the vocational structure of society, occupational skills, entry requirements, and physical and emotional demands.
Prerequisite: Consent of Instructor.

RC 5333 Techniques of Assessment and Evaluation
3 semester hours

Introduction to group and individual tests of intelligence, aptitude interest, and personality. Student is given the opportunity to administer and score tests under supervision and to learn observational methods.
Prerequisite: Consent of Instructor.

RC 5334 Processes and Procedures in Rehabilitation
3 semester hours

Study of the process of referral, evaluation, physical restoration, personal and family adjustment, training, placement, and follow-up activities. Skill training in interviewing for vocational appraisal in the development of the rehabilitation plan.
Prerequisite: History and Philosophy of Rehabilitation and/or consent of Instructor.

RC 5335 Counseling Theory and Techniques
3 semester hours

Study of historical and current approaches to individual counseling with application to the field of rehabilitation. Training in basic counseling skills used in exploration, understanding, and acting on client problems.
Prerequisite: Consent of Instructor.

RC 5341 Motivational Problems in Rehabilitation
3 semester hours

Psychodynamic principles of individual motivation. Study of role of motivation in recovery from disability. Counseling with clients with motivational problems.
Prerequisite: Consent of Instructor.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

RC 5342 Procedures of Work Evaluation, Placement, and Training - 3 semester hours

Utilization of assessment techniques including work to evaluate the handicapped. Survey of procedures of work adjustment, aptitude and achievement appraisal, job analysis, and work sample testing.
Prerequisite: Consent of Instructor

RC 5343 Rehabilitation of the Public Assistance Recipient
3 semester hours

Study of rehabilitation as applied to poverty settings. Concentration on special counseling intervention, vocational evaluation, pretraining and placement of welfare recipients. Field trips to welfare agencies.
Prerequisite: Consent of Instructor.

RC 5344 Rehabilitation of the Drug Abuser
3 semester hours

Extensive study of special problems related to drug abuse. Thorough coverage of State, Federal, and private treatment programs. Field visits and observation of rehabilitation practices.
Prerequisite: Consent of Instructor.

RC 5345 Rehabilitation of the Public Offender
3 semester hours

Application of rehabilitation procedures to individuals being released from prison or on probation. Emphasis on placement techniques, counseling intervention, and social adjustment. Field trips to appropriate settings.
Prerequisite: Consent of Instructor.

RC 5346 Administrative Practices in Rehabilitation
3 semester hours

Basic administrative, supervisory and management principles as applied to planning, organizing, budgeting, and utilizing human and economic resources in serving the disabled and disadvantaged.
Prerequisite: Consent of Instructor.

RC 5351 Seminar in Rehabilitation
3 semester hours

Consideration of specialized problems related to specific disability groups, counseling methods, professional ethics, and utilization of research in developing service programs in rehabilitation.
Prerequisite: Consent of Instructor.

RC 5352 Directed Readings in Rehabilitation
1-3 semester hours

A special course allowing graduate students in rehabilitation science to pursue, under faculty guidance, work not available in other courses.
Prerequisite: Consent of Instructor

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION SCIENCE Cont'd

RC 5361 Practicum in Rehabilitation Counseling
3 semester hours

Supervised individual interviewing and counseling. Participation in case conferences and client staffings. Introduction to case management techniques and the evaluation of vocational potential. Student must enroll twice during program.
Prerequisite: Not open to Special Students.

RC 5391 Master's Research
3 semester hours

An original research investigation contributing knowledge of the disabled and disadvantaged and/or improving methods and techniques of delivery of rehabilitation services. Student must enroll twice during program.
Prerequisite: Admittance to Candidacy.

RC 5392 Independent Study
3 semester hours

Intensive study of a selected topic or problem in rehabilitation with critical reference to appropriate literature. Student must enroll twice during program.
Prerequisite: Admittance to Candidacy.

RC 5691 Internship in Rehabilitation Counseling
6 semester hours

Supervised field work in selected rehabilitation facility including counseling, case studies, contacts with community social agencies, and the vocational training and placement of disabled and disadvantaged clients.
Prerequisite: Admittance to Candidacy.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

FACULTY

- Adair, Rosa M., Clinical Instructor in Nutrition and Dietetics, B.A. 1943 Simmons College, M.S. 1949 Harvard U.
- Anderson, Judith C., Assistant in Medical Technology, B.S. 1968 North Texas State U.
- Anthony, Luean E., Instructor in Nutrition and Dietetics and Southwestern Medical School, B.S. 1963 Tufts, S.M. 1967 Massachusetts Institute of Technology, Ph.D. 1970 Massachusetts Institute of Technology
- Barré, Marjorie S., Instructor in Physical Therapy, B.S. 1945 Northwestern U.
- Berry, Norma F., Clinical Instructor in Nutrition and Dietetics, B.A. 1954 U. of Kansas, M.S. 1955 U. of Iowa
- Bogle, Margaret L., Instructor in Nutrition and Dietetics, B.S. 1955 U. of Arkansas, M.S. 1956 U. of Tennessee
- Boudreaux, Robert E., Assistant Professor of Rehabilitation Science and Director of Undergraduate Program, B.A. 1962 McNeese State U., M.Ed. 1964 Louisiana State U.
- Buchanan, Ronald E., Clinical Assistant Professor of Medical Technology, B.S. 1949 Southern Methodist U., M.D. 1959 U. of Texas Southwestern Medical School at Dallas
- Burross, Jonelle S., Assistant in Medical Technology
- Chancellor, B. La Nelle, Assistant in Medical Technology, B.A. 1967 Southern Methodist U.
- Charest, Myra V. T., Adjunct Assistant Professor of Rehabilitation Science and Assistant, Southwestern Medical School, B.S. 1956 Adelphi U., M.S. 1963 U. of Pennsylvania
- Clark, Richard R., Assistant in Medical Technology, B.S. 1963 U. of Illinois, M.S. 1966 U. of Missouri
- Clark, Ronald L., Assistant in Medical Technology, B.S. 1956 Southern Methodist U.
- Clements, E. Kathleen, Instructor in Allied Health Education and Instructional Media Technology, B.A. 1962 U. of Texas at Austin, M.Ed. 1966 U. of Texas at Austin, Ph.D. 1973 U. of Texas at Austin
- Cromes, G. Fred, Jr., Assistant Professor of Rehabilitation Science, Chairman and Assistant Professor, Southwestern Medical School, B.S. 1963 U. of New Mexico, M.A. 1967 U. of New Mexico, Ph.D. 1971 Texas Tech U.
- Dabney, Raymond L., Clinical Instructor in Rehabilitation Science, B.S. 1961 U. of Kansas
- Delahunt, John C., Instructor in Health Care Sciences and Director of Physician's Assistant Program, B.S. 1941 Union U.
- Day, Billie Jo, Assistant in Medical Technology, B.S. 1949 Oklahoma State U.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

FACULTY Cont'd

- Dowdey, A.B.C., Assistant Professor of Medical Technology and Southwestern Medical School, B.A. 1950 Texas Christian U., M.D. 1957 U. of Texas Medical Branch at Galveston
- Edge, Wallace L., Jr., Clinical Instructor in Rehabilitation Science, B.A. 1966 Stephen F. Austin U., M.Ed. 1970 Stephen F. Austin U.
- El-Din, Donna J., Assistant Professor of Physical Therapy, B.S. 1955 U. of Michigan, M.S. 1970 Wayne State U.
- Fincher, Judith K., Assistant in Medical Technology, B.S. 1968 Midwestern U.
- Fry, Peggy C., Assistant Professor of Nutrition and Dietetics and Southwestern Medical School, B.S. 1949 U. of Texas at Austin, M.P.H. 1955 Harvard U., Ph.D. 1967 U. of Nebraska
- Gadol, Irwin, Clinical Assistant Professor of Health Care Sciences and Southwestern Medical School, B.A. 1960 Brooklyn College, M.S. 1963 New York U., Ph.D. 1968 Louisiana State U.
- Gidcomb, Michael L., Adjunct Instructor in Health Care Sciences, B.A. 1967 Hendrix College, M.D. 1971 U. of Arkansas
- Giese, Maurine E., Instructor in Health Care Sciences, B.A. 1943 Wesleyan College, M.A. 1957 U. of Texas Medical Branch at Galveston
- Grona, Linda B., Assistant Instructor in Medical Technology, B.S. 1969 U. of Texas at Austin
- Guy, L. Ruth, Professor and Chairman of Medical Technology and Associate Professor Southwestern Medical School, A.B. 1934 Baylor U., M.S. 1948 Baylor U., Ph.D. 1953 Stanford U.
- Hall, Helen, Assistant in Medical Technology
- Haschke, Marilyn B., Chairman and Assistant Professor of Nutrition and Dietetics, B.S. 1961 Texas Tech U., M.S. 1964 Iowa State U.
- Hedl, John J., Jr., Assistant Professor of Allied Health Education and Instructional Media Technology and Director of Allied Health Education, B.A. 1967 Pennsylvania State U., Ph.D. 1971 Florida State U.
- Helm, Phala A., Assistant Professor of Physical Therapy and Acting Chairman and Assistant Professor, Southwestern Medical School, B.S. 1957 Texas Christian U., M.D. 1966 U. of Texas Southwestern Medical School at Dallas
- Hickey, Carol A., Clinical Instructor in Nutrition and Dietetics and Assistant, Southwestern Medical School, B.S. 1961 Iowa State U., M.S. 1969 Ohio State U.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

FACULTY Cont'd

- Johnson, E. Ralph, Assistant Professor of Physical Therapy and Southwestern Medical School, A.B. 1958 U. of Kansas, M.D. 1962 U. of Kansas
- Jones, Stephen R., Adjunct Instructor in Health Care Sciences, B.A. 1963 U. of Iowa, M.D. 1966 U. of Iowa
- Kutscher, Earline, Assistant Instructor in Medical Technology, B.S. and B.A. 1948 Texas Woman's U.
- Lewis, Charles C., Instructor in Health Care Sciences, B.A. 1969 Newberry College
- Lewis, Franklin D., Adjunct Associate Professor of Rehabilitation Science, B.A. 1961 Texas Tech U., M.S. 1963 Texas Tech U., Ph.D. 1969 Texas Tech U.
- Lively, Bessie P., Clinical Instructor in Nutrition and Dietetics, B.S. 1934 Florida State College for Women, M.S. 1960 Texas Woman's U.
- McCollum, Paul S., Assistant Professor and Program Director, Graduate Program in Rehabilitation Counseling and Southwestern Medical School, B.A. 1963 St. Benedict College, M.A. 1965 Texas Tech U., Ph.D. 1971 Texas Tech U.
- McDowell, Claudie, Adjunct Instructor in Rehabilitation Science, B.A. 1964 North Texas State U., M.S.S.W. 1970 U. of Texas at Arlington
- Marshall, Barbara J., Instructor and Teaching Supervisor in Medical Technology, B.S. 1967 Cumberland College, M.S. 1969 Ohio State U.
- Moore, Peggy J., Instructor in Rehabilitation Science and Southwestern Medical School, B.S. 1969 Baylor U., M.A. 1971 U. of New Mexico
- Muegge, Michael K., Adjunct Instructor in Rehabilitation Science, B.S. 1965 North Texas State U., M.S. 1968 Stout State U.
- Neal, William W., Adjunct Instructor in Health Care Sciences, B.A. 1963 Rice U., M.D. 1967 U. of Texas Southwestern Medical School at Dallas
- Nealy, Mack D., Instructor in Rehabilitation Science, B.S. 1957 Huston-Tillotson College, M.S. 1966 Prairie View A & M
- North, John Paul, Medical Director, Physician's Assistant Program and Adjunct Professor of Health Care Sciences, and Emeritus Professor, Southwestern Medical School, B.A. 1922 Princeton, M.D. 1926 U. of Pennsylvania
- Osburn, William A., Associate Professor and Director of Instructional Media Technology and Southwestern Medical School, B.A. 1948 Southern Methodist U., M.M.A. 1949 U. of Texas Southwestern Medical School at Dallas
- Parker, Harry J., Associate Dean and Professor of Rehabilitation Science and Professor, Southwestern Medical School, A.B. 1947 Elmhurst College, M.A. 1953 Northwestern U., Ph.D. 1956 Northwestern U.

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

FACULTY Cont'd

- Pearson, David W., Clinical Assistant Professor of Rehabilitation Science, A.B. 1965 Oklahoma Baptist U., M.S. 1966 U. of Oklahoma, Ph.D. 1968 U. of Oklahoma
- Pool, Donald A., Chairman and Associate Professor of Rehabilitation Science and Southwestern Medical School, B.A. 1958 Baylor U., Ph.D. 1963 U. of Texas at Austin
- Porter, Doris E., Chairman and Associate Professor of Physical Therapy, B.S. 1943 Pennsylvania State U.
- Price, Frances F., Assistant Professor of Rehabilitation Science, B.S. 1965 U. of Georgia, M.Ed. 1966 U of Georgia, Ph.D. 1972 U. of Georgia
- Putnam, Robert S., Assistant Professor of Medical Technology and Southwestern Medical School, B.A. 1958 U. of Texas at Austin, M.D. 1962 U. of Texas Southwestern Medical School at Dallas
- Ragsdale, Alice, Assistant in Medical Technology, B.S. 1944 North Texas State U.
- Reisch, Joan S., Instructor in Health Care Sciences and Southwestern Medical School, B.S. 1960 U. of Cincinnati, M.S. 1965 Southern Methodist U.
- Reynolds, Rolland C., Professor of Health Care Sciences and Southwestern Medical School, B.A. 1949 Southern Methodist U., M.D. 1956 U. of Texas Southwestern Medical School at Dallas
- Sanford, Jay P., Professor of Medical Technology and Southwestern Medical School, M.D. 1952 U. of Michigan
- Sanford, Lorraine B., Assistant in Medical Technology, B.S. 1945 Michigan State U.
- Schermerhorn, John W., Dean and Professor of Health Care Sciences, B.S. 1942 Rutgers U., Ph.D., 1949 U. of Minnesota
- Schwedler, Sandra S., Assistant in Medical Technology, B.S. 1962 Texas Woman's U.
- Shull, John R., Adjunct Assistant Professor of Physical Therapy and Southwestern Medical School, B.S. 1953 U. of Nebraska, A.B. 1958 Washburn College, M.D. 1962 U. of Kansas
- Sparrow, William T., Assistant Professor of Medical Technology and Southwestern Medical School, B.S. 1959 Southern Methodist U., M.D. 1963 U. of Texas Southwestern Medical School at Dallas
- Stembridge, Vernie A., Medical Director, Medical Technology and Southwestern Medical School, B.A. 1943 Texas College of Mines, M.D. 1948 U. of Texas Medical Branch at Galveston
- Templeton, Gordon H., Assistant Professor of Health Care Sciences and Southwestern Medical School, B.S. 1963 U. of Tennessee, M.S. 1968 Southern Methodist U., Ph.D. 1970 U. of Texas Southwestern Medical School at Dallas

SCHOOL OF ALLIED HEALTH SCIENCES BULLETIN 1973-1974 Cont'd

FACULTY Cont'd

- Thomas, Robert E., Adjunct Associate Professor of Rehabilitation Science, B.A. 1928 Southern Methodist U., M.A. 1933 U. of Texas at Austin
- Titone, Anita M., Adjunct Assistant Professor of Rehabilitation Science and Clinical Assistant Professor, Southwestern Medical School, B.A. 1958 Northwestern U., M.S.W. 1962 Louisiana State U.
- Weathersby, Hal T., Professor of Health Care Sciences and Southwestern Medical School, B.A. 1933 Louisiana State, M.S. 1939 Louisiana State, Ph.D. 1952 Tulane U.
- Weinberg, Arthur G., Assistant Professor of Medical Technology and Southwestern Medical School, B.A. 1959 Cornell U., M.D. 1963 Western Reserve U.
- Whitson, Joan V., Instructor in Nutrition and Dietetics, B.S. 1963 U. of Kentucky
- Wiggans, Donald S., Professor of Nutrition and Dietetics and Southwestern Medical School, B.S. 1949 U. of Nebraska, Ph.D. 1952 U. of Illinois
- Woerz, Donald E., Instructor in Physical Therapy, B.S. 1962 Wheaton College
- Yuan, Ho-Ming, Instructor in Health Care Sciences and Southwestern Medical School, M.D. 1957 Shanghai U. (China)

Dallas Health Science Center
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
303-102	Remodeling of Cary Building		Local Funds	\$ 1,367,500.00
303-104	Physical Plant Expansion	Local Funds	PUF	300,000.00
303-114	Clinical Science Building		PUF	8,345,000.00
303-172 (Also Includes 303-228)	Hoblitzelle Air Conditioning		Legislative Appropriations	898,000.00
			Local Funds	134,507.50
303-219	Parking Facility		Private Gifts	500,000.00
			Loan from Local Funds	300,000.00
303-229	Traverse Road		Local Funds	117,500.00

Legend:

PUF - Permanent University Fund Bond Proceeds

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

GALVESTON, TEXAS

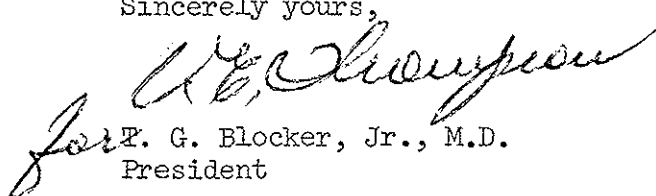
June 22, 1973

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Dr. LeMaistre:

Attached is The University of Texas Medical Branch at Galveston's Docket, consisting of twenty (20) pages for your approval and presentation to the Board of Regents at its meeting on July 27, 1973.

Sincerely yours,


F. G. Blocker, Jr., M.D.
President

TGBjr:mm
attachment

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONINSTITUTIONAL DOCKETBOARD OF REGENTS' MEETING JULY 27, 1973

CHANGE OF STATUS OF MEMBERSHIPS ON THE MEDICAL STAFF OF THE UNIVERSITY OF TEXAS MEDICAL BRANCH HOSPITALS AT GALVESTON: Upon the recommendation of the Executive Committee of the Medical Staff, approval of the following recommendations is respectfully requested:

1. Resign John B. Lynch, M.D., Professor, Plastic Surgery Division, Department of Surgery, from Full-Time, Attending Membership on the Medical Staff, effective January 15, 1973. Dr. Lynch accepted an appointment at Vanderbilt University School of Medicine, Nashville, Tennessee.

2. Remove the name of Benjamin J. Nasits, D.D.S., Clinical Instructor, Oral Surgery Division, Department of Surgery, from Part-Time, Courtesy Membership on the Medical Staff, effective January 19, 1973, the date of his death.

THE JAMES W. MCLAUGHLIN FELLOWSHIP FUND: On the recommendation of the Medical Branch McLaughlin Committee for the James W. McLaughlin Fellowship Fund, approval is requested for the following recommendations:

1. Renew the McLaughlin Predoctoral Fellowship to Miss Su-Fang Chien, for the period June 1, 1973 through May 31, 1974, to include:

Stipend (single)	\$3,600.00
(Subject to income tax regulations)	
Maintenance and Operation	500.00
Travel	<u>300.00</u>
Total	<u>\$4,400.00</u>

2. Renew the McLaughlin Predoctoral Fellowship to Mr. James H. Jorgensen, for the period June 1, 1973 through May 31, 1974, to include:

Stipend (Married)	\$4,000.00
(Subject to income tax regulations)	
Maintenance and Operation	<u>300.00</u>
Total	<u>\$4,300.00</u>

D+7

GIFTS: In compliance with Section 1, Subsection 1.3, of Chapter I of Part Two of the Rules and Regulations of the Board of Regents of The University of Texas System, I recommend approval for the acceptance of the following gifts:

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. *American Medical Association Education and Research Foundation 535 N. Dearborn Street Chicago, Illinois 60610	For support of education and research. Funds deposited in the existing Current Restricted Account entitled American Medical Association - Education and Research Foundation Grant; expenditures to be authorized by Dr. Joseph M. White, Dean of Medicine. (This is reported as an extension of a previous gift previously docketed - Board of Regents' Meeting of June 9, 1972, Docket Item No. 1, Page G-2.)	\$ 6,015.46
2. Dr. Edgar J. Poth Ashbel Smith Professor Department of Surgery UTMB at Galveston Galveston, Texas 77550	Gift to be added to The Robertson-Poth Charitable Remainder Trust. (The establishment of The Robertson-Poth Charitable Remainder Trust was approved by the Board of Regents at its Meeting No. 703 on September 11, 1972, Page 56 of the Minutes.)	\$ 74,000.00
3. *The University of Texas Medical Branch Hospital Auxiliary c/o Mrs. Andrew Monsour 62 Colony Park Circle Galveston, Texas 77550	Funds to be used for hospital needs. Funds deposited in the existing Current Restricted Account entitled University Auxiliary Funds for Hospital Needs. (This is reported as an extension of a previous gift previously docketed - Board of Regents' Minutes of April 29, 1972, Item #1, Page G-10.)	\$ 8,700.00

*No letter of transmittal received from the donor.

D+7

GRANTS AND CONTRACTS (NON-GOVERNMENTAL): Approval is respectfully requested for the acceptance of the following grants and contracts:

- California Institute of Technology
Pasadena, California 91109

Subcontract No. 66-703427 under NASA Contract No. NAS 1-9703
\$116,000
September 1, 1972 through March 31, 1977
This contract will provide services to NASA for the Viking 1975 Mars Missions.
Dr. Gary V. Latham
This is a new contract award.
Galveston County

GRANTS AND CONTRACTS (NON-GOVERNMENTAL) - continued

2. The Dow Chemical Company
Texas Division
Freeport, Texas 77541

Research Grant - Study of Industrial Heat Stress in Gulf Coast Area
\$35,895
May 1, 1973 through April 30, 1974
Dr. Don W. Micks
Galveston County
3. Eli Lilly and Company
P. O. Box 618
Indianapolis, Indiana 46206

Research Grant - Role of Insulin in Maintaining Myocardial Cell Viability
\$4,950
Award date - one (1) year, effective May 2, 1973
Dr. Louis A. Sordahl
Galveston County
4. *Marine Colloids, Inc.
P. O. Box 308
Rockland, Maine 04841

Research Grant - Antibody Test Development Project
\$24,300
Dr. S. E. Ritzmann
Galveston County
5. National Cystic Fibrosis Research Foundation
3379 Peachtree Road, N.E.
Atlanta, Georgia 30326

Research Grant - Travel for Dr. Schmoyer for Isolating the C/F Ciliary Inhibitor in the Laboratory of Dr. Bowman
\$500
May 20, 1973 through September 1, 1973
Dr. Barbara H. Bowman
6. Texas Lions League for Crippled Children, Inc.
P. O. Box 384
Seguin, Texas 78155

Research Project - Comprehensive Medical Care and Medical Education for Diabetic Children During Summer Camping Sessions
\$18,400
January 1, 1973 through December 31, 1973
Dr. Luther B. Travis
7. Warner-Lambert Research Institute
Medical Division
Morris Plains, New Jersey 07950

Research Project - Research with Petrin in Myocardial Infarction
\$2,500
Dr. Ralph J. Gorten
Continuation of an ongoing project. (Previously docketed November 3, 1971 for the Board of Regents' Meeting of December 3, 1971, Item No. 2, Page G-52.)

GRANTS AND CONTRACTS (NON-GOVERNMENTAL) - continued

8. Warner-Lambert Research Institute
Morris Plains, New Jersey 07950

Research Grant - Study to Evaluate W7000A (L-Bunolol) Both Orally and Intravenously in Normal Male Subjects
\$10,281

Dr. John Wallace

9. The Robert A. Welch Foundation
2010 Bank of the Southwest Building
Houston, Texas 77002

Research Project - Chemical Characterization of Haptoglobin and Ceruloplasmin

Renewal Grant No. H-378

\$24,000

May 1, 1973 through April 30, 1975

Dr. Barbara H. Bowman

Galveston County

10. The Robert A. Welch Foundation
2010 Bank of the Southwest Building
Houston, Texas 77002

Research Project - Structural Relationships of Informationally Distinct DNA Molecules

New Grant No. H-536

\$24,000

May 1, 1973 through April 30, 1975

Dr. H. Terry Hutchison

Galveston County

11. *Wyeth Laboratories
Philadelphia, Pa. 19101

Research Project - Study of Norgestrel and Ethinyl Estradiol
\$4,875

Dr. Sidney A. Smith

Support for the continuation of an on-going project. (Previously docketed - Board of Regents' Meeting of June 1, 1973, Item No. 1, Page G-2.)

*No letter of transmittal received from the donor.

DHF

GRANTS, CONTRACTS AND AGREEMENTS (STATE): The following contracts have been executed on behalf of The University of Texas Medical Branch at Galveston by the official indicated. I recommend approval and ratification of signatures.

1. Amendment to State Project No. 03-0814 SS, by which the Texas Education Agency, Austin, Texas, amends the budget portion of the project for continuing a Learning Resources Center in a Hospital Setting for Child and Adolescent Psychiatric Patients. The original award of \$11,734.00 remains the same for the period July 1, 1972 through June 30, 1973. The project is directed by Dr. Donna A. Livingston, Director of School Services for Pediatric and Psychiatric Patient Department. (The original award was reported in the Board of Regents' Meeting of October 20, 1972, Item No. 14, Page G-16.)

GRANTS, CONTRACTS AND AGREEMENTS (STATE) - continued

2. Amendment to State Project No. 03-0815 SS, by which the Texas Education Agency, Austin, Texas, amends the budget portion of the project for Tutoring and Special Activities for Hospitalized Children and Adolescents. The original award of \$16,221.00 remains the same for the period July 1, 1972 through June 30, 1973. The project is directed by Dr. Donna A. Livingston, Director of School Services for Pediatric and Psychiatric Patient Department. (The original award was reported in the Board of Regents' Meeting of October 20, 1972, Item #13, Page G-16.)

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONFEDERAL CONTRACTS AND GRANTSBOARD OF REGENTS' MEETING JULY 27, 1973

D 7

1. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Allergy and Infectious Diseases

Research Grant No. 5 R22 AI08518-05
\$54,945 plus indirect costs
April 1, 1973 through March 31, 1974
Antibacterial Immunity Against Vibrio Cholerae. The objectives of this study are to improve antibacterial immunity within the intestinal tract.
Dr. Willard F. Verwey
This is the fifth year of a continuing grant.
Galveston County

2. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Arthritis, Metabolism and Digestive Diseases

Research Grant No. 5 R01 AM15241-03
\$46,763 plus indirect costs
May 1, 1973 through April 30, 1974
Surgical Studies in Gastrin Metabolism
Dr. James C. Thompson
This is the third year of a continuing project.
Galveston County

3. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Arthritis, Metabolism and Digestive Diseases

Research Grant No. 5 R01 AM13651-05
\$35,995 plus indirect costs
May 1, 1973 through April 30, 1974
Characterization of the Cystic Fibrosis Serum Factor. This project will explore the properties and site of action of the basic defect in Cystic Fibrosis with the long range goal of developing specific therapy for this disease.
Dr. Barbara H. Bowman
This is the fifth year of a continuing project.
Galveston County

4. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Arthritis, Metabolism and Digestive Diseases

Research Grant No. 5 R01 AM05778-12
\$14,630 plus indirect costs
May 1, 1973 through April 30, 1974
Patterns of Absorption Along the Small Intestine - to study intestinal transport mechanisms.
Dr. R. David Baker
This is the twelfth year of a continuing project.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

5. Department of Health, Education, and Welfare
National Institutes of Health
National Cancer Institute

Research Grant No. 5 R10 CA 12039-03

\$5,638 plus indirect costs

May 1, 1973 through April 30, 1974

Primary Breast Cancer Therapy Group. This grant supports, in part, a national cooperative program to evaluate the treatment of breast cancer.

Dr. Edward B. Rowe

This is the third year of a continuing project.

Galveston County

6. Department of Health, Education, and Welfare
National Institutes of Health
National Cancer Institute

Research Grant No. 1 R01 CA 14466-01

\$21,361 plus indirect costs

June 1, 1973 through May 31, 1974

Mechanism of Aminoazo Dyes Carcinogenesis. The broad aim of the proposed project is to gain information about the molecular mechanism by which chemical carcinogens convert normal cells into tumor cells.

Dr. Viktor Holoubek

This is the first grant year of a new project.

Galveston County

7. Department of Health, Education, and Welfare
National Institutes of Health
National Cancer Institute

Research Grant No. 1 R01 CA 14675-01

\$55,138 plus indirect costs

June 1, 1973 through May 31, 1974

Studies of Mitosis in Normal and Neoplastic Cells. This project will compare the structure and function of the mitotic apparatus in dividing cells, both normal and cancerous.

Dr. B. R. Brinkley

This is the first grant year of a new project.

Galveston County

8. Department of Health, Education, and Welfare
National Institutes of Health
National Cancer Institute

Research Grant No. 5 R01 CA 14108-02

\$29,000 plus indirect costs

June 1, 1973 through May 31, 1974

Endocrine Role of the Thymus in Cancer Induction by Virus. This project is to study the relationships of thymosin and cancer.

Dr. Allan L. Goldstein

This is the second year of a continuing project.

Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

9. Department of Health, Education, and Welfare
National Institutes of Health
National Cancer Institute

Research Grant No. 1 R01 CA 15397-01 (Formerly 1 R01 GM CA 20035-01)
\$26,358 plus indirect costs
June 1, 1973 through May 31, 1974
Drug Sensitivity of Mammalian Cells in Plateau Phase. This project is to acquire a better knowledge of the effects of cancer drugs on these viable but non-dividing cell populations.
Dr. S. C. Barranco
This is the first year of a new project.
Galveston County

10. Department of Health, Education, and Welfare
National Institutes of Health
National Cancer Institute

Research Grant No. 1 P01 CA 14621-01
\$98,000 plus indirect costs
June 1, 1973 through October 31, 1974
Exploratory Studies in Cancer Research. The objective of this program will be to create a plan for implementing a coordinated, multidisciplinary medical school based cancer center for The University of Texas Medical Branch which is consistent with the goals of the National Cancer Plan.
Dr. William C. Levin
This is a new research project.
Galveston County

11. Department of Health, Education, and Welfare
National Institutes of Health
National Cancer Institute

Research Grant No. 5 P01 CA 14109-04
\$163,451 plus indirect costs
June 1, 1973 through May 31, 1974
Studies of Cellular Immunity. This study represents a multidisciplinary approach to the study of cellular immunity in patients with cancer and renal disease.
Dr. William C. Levin
This is the fourth year of a continuing project.
Galveston County

12. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Neurological Diseases and Stroke

Research Grant No. 5 P01 NS 07377-05
June 1, 1972 through December 31, 1973
Head Injury Research Program
Dr. James C. Thompson (Formerly Dr. George T. Tindall)
By letter dated May 25, 1973, the PHS appoints Dr. James C. Thompson as principal investigator on this grant. The current budget period is extended for seven (7) additional months without additional funds - June 1, 1972 through December 31, 1973. The project period is now June 1, 1970 through December 31, 1973.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

13. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Neurological Diseases and Stroke
- Research Grant No. 5 T01 NS05672-03
\$26,569 plus indirect costs
July 1, 1973 through June 30, 1974
Otolaryngology Academic, Clinical, Research
Dr. Byron J. Bailey
This is the third year of a continuing project.
Galveston County
14. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Neurological Diseases and Stroke
- Research Grant No. 5 T01 NS05743-02
\$37,901 plus indirect costs
July 1, 1973 through June 30, 1974
Training Grant entitled Comparative Neurobiology
Dr. William D. Willis, Jr.
This is the second year of a continuing project.
Galveston County
15. Department of Health, Education, and Welfare
National Institute of Mental Health
- Research Grant No. 2 R01 MH 14675-06
\$31,235
May 1, 1973 through April 30, 1974
Clinical Psychopharmacology Computer Laboratory. This grant supports the operation of a computer facility to evaluate drug therapy in psychiatric patients.
Dr. John E. Overall
This is the sixth year of a continuing project.
Galveston County
16. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
National Institute of Mental Health
- Research Grant No. 5 T01 DA00078-02 (Formerly 5 T01 MHL3255)
\$34,395
July 1, 1973 through June 30, 1974
A Career Teacher Training Program on Narcotic Addiction, Drug and Alcohol Abuse
Dr. Daniel L. Creson
This is the second year of a continuing project.
Galveston County
17. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
National Institute of Mental Health
- Research Grant No. 5 T02 MH06034-17
July 1, 1968 through June 30, 1974
Training grant for Undergraduate Psychiatry
Dr. Hamilton F. Ford
This is an extension of the grant period for one (1) additional year without additional funds.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

18. Department of Health, Education, and Welfare
National Institutes of Health
National Heart and Lung Institute
- Research Grant No. 5 K07 HL38935-02
\$32,680
June 1, 1973 through May 31, 1974
Training Grant, Pulmonary Academic Award to incorporate inter-departmental cooperation in teaching lung disease, upgrade the activities of the pulmonary disease division and experiment with new methods of teaching.
Dr. Edward R. McFadden, Jr.
This is the second year of a continuing project.
Galveston County
19. Department of Health, Education, and Welfare
National Institutes of Health
National Heart and Lung Institute
- Research Grant No. 5 R01 HL10935-06
\$15,110 plus indirect costs
June 1, 1973 through May 31, 1974
Vasopressor Action During Hemorrhage and Hyponatremia. Data from this project will demonstrate the relation of decreased blood sodium to reduced vascular tone.
Dr. John R. Derrick
This is the sixth year of a continuing project.
Galveston County
20. Department of Health, Education, and Welfare
National Institutes of Health
National Heart and Lung Institute
- Research Grant No. 5 R01 HL14828-02
\$35,675 plus indirect costs
May 1, 1973 through April 30, 1974
Cardiac Adaptation to Physical Training. Data derived from this study will give important information concerning the effect of exercise on the heart.
Dr. Hubert L. Stone
This is the second year of a continuing project.
Galveston County
21. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
Maternal and Child Health Services
- Research Grant No. 06-H-000080-07-0
\$156,400
April 1, 1973 through June 30, 1973
Service grant entitled Children and Youth Project. This project provides health care to low income families in Galveston.
Dr. Jimmy L. Simon
Continuation of an ongoing project for three additional months.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

22. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Child Health and Human Development
- Modification No. 5 to Contract No. NIH-NICHD-69-2139 (NOL-HD-9-2139)
\$88,533
June 19, 1973 through June 18, 1974
Ultrastructural and Electron Cytochemical Studies of Mammalian Spermigenesis. This research will contribute new, basic information which may have direct application to the control of spermatogenesis.
Dr. B. R. Brinkley
This is a renewal of an ongoing project.
Galveston County
23. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of General Medical Sciences
- Research Grant No. 5 T01 GM 00459-14
\$22,589
July 1, 1973 through June 30, 1974
Anatomy Training Grant
Dr. Walther J. Hild
This is the 14th year of a continuing project.
Galveston County
24. Department of Defense
Department of the Navy
Office of Naval Research
- Contract No. N00014-68-A-0105-0004
\$24,780
March 1, 1973 through February 28, 1974
A Study of the Effects of Increased Nitrogen Pressures of Nerve Membranes and Nerve Impulse Transmission. This study is designed to demonstrate the effects of hyperbaric conditions upon the basic properties of membranes.
Dr. James E. Blankenship
This is a new contract award.
Galveston County
25. The United States Government
- Contract No. XG-3703 (62-9016)73R
\$29,085
March 1, 1973 through February 28, 1974
Interview Sensitization Techniques: Assessing Behavioral Predispositions from Video Taped Interviews. This study is to develop reliable techniques for measuring personality and psychophysiological variables which can be used to characterize "good" vs "poor" assessors in behavioral predisposition.
Dr. Ernest S. Barratt
This is the fifth year of a continuing project.
Galveston County

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONAMENDMENTS TO THE 1972-73 OPERATING BUDGETBOARD OF REGENTS' MEETING JULY 27, 1973INSTRUCTION AND DEPARTMENTAL OPERATIONSHistory of Medicine

1. Delete the name of Dr. William M. Crawford (Non-Tenure), Lecturer, History of Medicine (part-time), without salary. Dr. Crawford did not accept his 1972-73 appointment. (RBC 488)

Dermatology

2. Appoint Dr. Gordon B. Newell (Non-Tenure) as Instructor at a salary rate of \$20,000 for twelve months, effective July 1, 1973. Funds needed are to come from the departmental teaching salaries budget. (RBC 494)

Human Biological Chemistry and Genetics

3. Appoint Dr. Gunyon M. Harrison (Non-Tenure) as Adjunct Associate Professor (part-time), without salary, effective April 1, 1973. (RBC 455)

4. Appoint Mr. Robert G. Doggett (Non-Tenure) as Adjunct Assistant Professor (part-time), without salary, effective April 1, 1973. (RBC 456)

Internal Medicine

5. Change the title only of Dr. William L. Marr, Sr. (Non-Tenure) from Clinical Associate Professor (part-time) to Clinical Professor (part-time) at the same salary of \$1,500 for twelve months, effective May 1, 1973. (RBC 469)

6. Change the status of Dr. Edward R. McFadden (Non-Tenure) from Assistant Professor at a salary rate of \$24,000 (\$4,800 from General Budget and \$19,200 from DHEW Grant 1K07-HL-38935-01-A1) to Associate Professor (Tenure) at \$26,500 for twelve months (\$7,300 from General Budget and \$19,200 from DHEW Grant 1K07-HL-38935-01-A1), effective May 1, 1973. Additional General Budget funds needed are to come from Unallocated Appropriations - Instructional. (RBC 481)

Neurology and Psychiatry

7. Appoint Dr. William E. Stone (Tenure) as Professor at a salary rate of \$30,000 for twelve months, effective April 1, 1973. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 459)

8. Accept the resignation of Dr. Rosemary Corner (Non-Tenure), Assistant Professor (part-time), without salary, effective April 15, 1973. (RBC 462)

9. Increase the salary rate of Dr. Robert B. White (Tenure), Professor, from \$32,000 (\$30,000 from General Budget and \$2,000 from MSRDP - Neurology and Psychiatry) to \$33,500 for twelve months (\$32,000 from General Budget and \$1,500 from AHEC Grant NIH-72-4391), effective April 1, 1973. Additional General Budget funds needed are to come from the departmental teaching salaries budget. (RBC 465)

10. Accept the resignation of Mr. James H. Robertson, Coordinator of Clergy Counseling Program (part-time) at a salary of \$2,400 for twelve months, effective May 31, 1973. (RBC 486)

11. Appoint Dr. Lawrence S. McGaughran (Non-Tenure) as Clinical Professor (part-time), without salary, effective May 1, 1973. (RBC 497)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedOtolaryngology

12. Appoint Dr. Don C. McLarey (Non-Tenure) as Clinical Assistant Professor (part-time), without salary, effective June 1, 1973. (RBC 477)

Pharmacology

13. Delete the name of Dr. Bernard Levy (Tenure), Professor at a salary rate of \$24,000 for twelve months, effective March 31, 1973, the date of his death. (RBC 472)

Physiology

14. Accept the resignation of Dr. Charles P. McGraw (Non-Tenure), Assistant Professor (part-time), without salary, effective April 27, 1973. (RBC 458)

15. Change the salary of Dr. Marvin E. Turbow (Non-Tenure), Lecturer (part-time), from \$12,950 for twelve months (\$11,900 from DHEW Grant 5E03-PE-00170-07 and \$1,050 from Shriners Burns Institute Service) to \$7,049 for twelve months (\$3,099 from DHEW Grant 5E03-PE-00170-07 and \$3,950 from Shriners Burns Institute Service), effective May 1, 1973. This change is due to a decrease in hours of service. (RBC 490)

Preventive Medicine and Community Health

16. Accept the resignation of Dr. Rosemary Corner (Non-Tenure), Assistant Professor at a salary rate of \$17,000 for twelve months (\$7,500 from DHEW Grant 5D08-PE-00131-03 and \$9,500 from DHEW Grant 5D04-AH-01109-07), effective April 15, 1973. (RBC 461)

17. Appoint Miss Donna J. Barlow (Non-Tenure) as Adjunct Assistant Professor (part-time), without salary, effective May 1, 1973. Miss Barlow also serves as Adjunct Assistant Professor at a salary rate of \$17,500 for twelve months in School of Allied Health Sciences - Office of the Dean. (RBC 483)

Surgery

18. Accept the resignation of Dr. Charles P. McGraw (Non-Tenure), Instructor at a salary rate of \$16,000 for twelve months (\$15,200 from General Budget and \$800 from DHEW Grant 5P01-NS-07377-05), effective April 27, 1973. (RBC 457)

School of Allied Health Sciences -Medical Technology

19. Appoint Mrs. Roberta D. Rodriguez (Non-Tenure) as Clinical Instructor (one-half time) at a salary rate of \$10,704 for twelve months, effective May 1, 1973. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 480)

School of Allied Health Sciences -Occupational Therapy

20. Accept the resignation of Miss Fontreva R. Christian (Non-Tenure), Instructor (part-time) at a salary of \$2,310 for twelve months, effective April 30, 1973. (RBC 479)

UNIVERSITY HOSPITALSOut-Patient Clinics

21. Accept the resignation of Mr. James C. Chamberlain, III, Manager of Out-Patient Department at a salary rate of \$12,850 for twelve months, effective April 30, 1973. (RBC 463)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedOut-Patient Clinics - continued

22. Appoint Mr. Charles A. Cole as Manager of Out-Patient Department at a salary rate of \$12,000 for twelve months, effective May 14, 1973. Funds needed are to come from Non-Teaching Salaries. (RBC 495)

THE MARINE BIOMEDICAL INSTITUTEThe Marine Biomedical Institute

23. Appoint Dr. Thomas J. Bright as Adjunct Member (part-time), without salary, effective September 1, 1972. (RBC 466)

24. Appoint Mr. Kenneth L. Johnson as Facilities Coordinator (part-time), without salary, effective February 1, 1973. (RBC 482)

Texas Tektite Project

25. Accept the resignation of Mr. Danny D. Taylor, Research Administrator (one-half time) at a salary rate of \$14,500 for twelve months, effective April 27, 1973. (RBC 464)

LIBRARIESMedical Branch Library

26. Accept the resignation of Mrs. Cynthia J. Robinson, Assistant Librarian at a salary rate of \$10,100 for twelve months, effective June 23, 1973. (RBC 487)

27. Accept the resignation of Mr. Claud L. Jones, Director, Medical Branch Library and Associate Professor of Library Science at a salary rate of \$23,500 for twelve months, effective June 30, 1973. (RBC 498)

TRANSFER OF FUNDS

28. From: Unallocated Appropriations - General \$ 2,389.53

To: Office of the Vice President for Business
and Hospital Affairs:
Classified Salaries \$ 2,389.53

For: This transfer will provide funds for the creation of a new position of Clerk-Typist II at a salary rate of \$5,892 for twelve months, effective April 5, 1973.

(RBC 467)

29. From: Human Biological Chemistry and Genetics:
Equipment \$ 500.00

To: Human Biological Chemistry and Genetics:
Travel \$ 500.00

For: This transfer will provide funds for partial expenses for Dr. Leland Smith to attend the Ninth International Congress of Biochemistry in Stockholm and lectures at Lehering Laboratory in Berlin, Germany.

(RBC 484)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

30. From:	Unallocated Appropriations - Instructional	\$ <u>2,110.49</u>
	To: Pediatrics: Classified Salaries	\$ <u>2,110.49</u>
	For: This transfer will provide funds for the creation of a new position of Secretary II at a salary rate of \$5,628 for twelve months, effective April 16, 1973.	
	(RBC 474)	
31. From:	Unallocated Appropriations - Instructional	\$ <u>1,400.03</u>
	To: School of Allied Health Sciences - Office of the Dean: Classified Salaries	\$ <u>1,400.03</u>
	For: This transfer will provide funds for the creation of a new position of Clerk-Typist I at a salary rate of \$4,692 for twelve months, effective May 14, 1973.	
	(RBC 499)	
32. From:	Unallocated Appropriations - Hospitals	\$ <u>1,423.61</u>
	To: Out-Patient Clinics: Classified Salaries	\$ <u>1,423.61</u>
	For: This transfer will provide funds for the creation of a new position of Clerk I at a salary rate of \$4,488 for twelve months, effective May 7, 1973.	
	(RBC 493)	
33. From:	Unallocated Appropriations - Hospitals	\$ <u>4,600.00</u>
	To: Out-Patient Clinics - Pregnancy Interruption Clinic: Maintenance and Operation	\$ <u>4,600.00</u>
	For: This transfer will provide funds for the creation of the new Pregnancy Interruption Clinic.	
	(RBC 496)	
34. From:	Unallocated Appropriations - Hospitals	\$ <u>30,000.00</u>
	To: Clinical Laboratory: Maintenance and Operation	\$ <u>30,000.00</u>
	For: This transfer is requested due to a growth rate which has been higher than anticipated, increase in demand for new tests which were developed during the past year, and increased costs of materials required to operate.	
	(RBC 492)	

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

35. From:	Unallocated Appropriations - Hospitals	\$	<u>1,500.00</u>
	To: Endocrine Metabolic Laboratory: Maintenance and Operation	\$	<u>1,500.00</u>
	For: This transfer will provide funds for continued operations for the remainder of this fiscal year.		
(RBC 471)			
36. From:	Unallocated Appropriations - Hospitals	\$	<u>1,500.00</u>
	To: Pediatric Nephrology Laboratory: Maintenance and Operation	\$	<u>1,500.00</u>
	For: This transfer will provide funds for continued operations for the remainder of this fiscal year.		
(RBC 491)			
37. From:	Unallocated Appropriations - Hospitals	\$	<u>1,835.99</u>
	To: Pharmacy: Classified Salaries	\$	<u>1,835.99</u>
	For: This transfer will provide funds for the creation of a new position of Cashier I at a salary rate of \$4,896 for twelve months, effective April 16, 1973.		
(RBC 476)			
38. From:	Unallocated Appropriations - Hospitals	\$	<u>5,035.84</u>
	To: Housekeeping: Classified Salaries	\$	<u>5,035.84</u>
	For: This transfer will provide funds for the creation of three (3) new positions of Custodial Worker I at a salary rate of \$4,296. These positions, effective April 4, April 11 and April 16, 1973, are for the new Administration Building.		
(RBC 468)			
39. From:	Unallocated Appropriations - Hospitals	\$	<u>4,809.11</u>
	To: Housekeeping: Classified Salaries	\$	<u>4,809.11</u>
	For: This transfer will provide funds for the creation of three (3) new positions of Custodial Worker I at a salary rate of \$4,296 for twelve months for the new Administration Building. Two (2) positions are to be effective April 16, 1973 and one (1) is to be effective April 18, 1973.		
(RBC 475)			

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

40. From: Unallocated Appropriations - Hospitals \$ 3,082.48

To: Housekeeping:
Classified Salaries \$ 3,082.48

For: This transfer will provide funds for the creation of two (2) new positions of Custodial Worker II for the new Administration Building:

One (1) position at a salary rate of \$4,896 for twelve months, effective May 1, 1973; and

One (1) position at a salary rate of \$4,692 for twelve months, effective May 10, 1973.

(RBC 489)

41. From: Unallocated Appropriations - Instructional \$ 4,614.03

To: Medical Engineering Service:
Classified Salaries \$ 4,614.03

For: This transfer will provide funds for the creation of a new position of Engineering Technician II at a salary rate of \$11,148 for twelve months, effective April 2, 1973.

(RBC 473)

42. From: Office of Educational and Research Services:
Publications
Maintenance and Operation \$ 6,025.00

To: Office of Educational and Research Services:
Classified Salaries \$ 6,025.00

For: This transfer will provide funds for the change in source of funds for the following positions, effective April 1, 1973:

One (1) Photographic Technician III at a salary rate of \$9,096 for twelve months; and

One (1) Clerk-Typist I at a salary rate of \$5,364 for twelve months.

(RBC 460)

43. From: The Marine Biomedical Institute:
Non-Teaching Salaries \$ 23,000.00

To: The Marine Biomedical Institute:
Classified Salaries \$ 1,000.00
Maintenance and Operation 10,000.00
Equipment 12,000.00
\$ 23,000.00

For: These transfers are requested due to personnel changes, increased operational costs and additional equipment needed.

(RBC 470)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

44. From: The Marine Biomedical Institute -
 Environmental Sciences:
 Classified Salaries \$ 16,000.00
 Maintenance and Operation 15,000.00

 Texas Tektite Project:
 Equipment 20,000.00
 \$ 51,000.00

To: The Marine Biomedical Institute -
 Environmental Sciences:
 Equipment \$ 51,000.00

For: These transfers will provide funds to
 help pay for part of the cost of the
 ship "Ida Green".

(RBC 485)

Galveston Medical Branch
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
601-66	Additions to John Sealy Hospital	PUF		\$ (1,050,000.00)
			Revenue Bond Proceeds, Series 1973	29,443,750.00
601-69	Remodeling Gail Borden Building		Local Funds	320,000.00
			PUF	250,000.00
601-224	Teaching and Research Facility		PUF	643,000.00
		Local Funds		(3,000.00)
601-216	Marine Biomedical Institute		Local Funds	353,000.00
601-238	Parking Facility		Local Funds	955,000.00
601-232	Linear Accelerator		Local Funds	294,000.00
			Private Gifts	294,000.00
601-283	Gym and Rehabilitation Center		Private Gifts	3,000,000.00
			PUF	200,000.00
601-284	Old Red Restoration		Private Gifts	875,000.00
			PUF	875,000.00

Legend:

(PUF) Permanent University Fund



THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT HOUSTON
1100 HOLCOMBE BOULEVARD
TEXAS MEDICAL CENTER

OFFICE OF THE PRESIDENT

P.O. Box 20036
Houston, Texas 77025

June 22, 1973


Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Doctor LeMaistre:

The docket for The University of Texas Health Science Center at Houston is submitted for your approval and presentation to the Board of Regents at its meeting July 27, 1973.

The Houston Health Science Center docket consists of thirty-five (35) pages.

Sincerely,


John Victor Olson
Acting President

JVO:sh

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

DOCKET

Board of Regents' Meeting July 27, 1973

ABSENCES FROM USUAL AND REGULAR DUTIES: The following authorizations to be absent for a period in excess of twenty-nine days are reported in accordance with Section 13.33, Chapter III, Part Two, of the Rules and Regulations of the Board of Regents.

Houston Dental Branch

1. Dr. Edwin L. Smith, Professor in the Department of Physiology, June 1, 1973, to May 31, 1974, to Bangkok, Thailand, to serve as Visiting Professor of Physiology in the Department of Physiology, Faculty of Science, Mahidol University. Travel expenses in the amount of \$3,393.00, to be paid from the Rockefeller Foundation Fund, Account Number 24-256-40.

Houston G. S. B. S.

1. Dr. Alfred G. Knudson, Dean, May 26, 1973, to June 30, 1973, to Granada, Spain, to present a paper entitled, "Enzyme Replacement by Leukocyte Transfusion," at the Conference on Prospects for Metabolic Disease Control and to Spain, Portugal, England, and New York City, for informal professional meetings. Expenses will be paid by the Granada Conference and by Dr. Knudson personally.

2. Harry G. Sperling, Ph.D., Director and Professor in the Department of Neural Sciences, May 30, 1973, to July 15, 1973, to Edinburgh, Scotland, to attend the Symposium International Group on Color Deficiencies, to York, England, to attend the Congress International Color Association, and to London, England, to attend the Colorimetry Committee International Commission on Illumination as an official consultant. Dr. Sperling will also make informal visits to Columbia University and to the Marine Biological Labs in Woodshole, Massachusetts. Expenses in the approximate amount of \$602.00, will be paid from General Revenue and by the Institute of Ophthalmology. (General Revenue will pay domestic expenses only.)

Public Health School

1. Stephen W. Bennett, M.D., Associate Professor in the Program of Epidemiology, July 1, 1973, to August 12, 1973, to Panama City and vicinity and Colon, Panama, for a training and pretesting period for a research contract entitled, "Epidemiological Studies of Stroke Risk Factors in Panama," to establish the examination process and train field teams in each segment of the process. Expenses to be paid from Contract No. N01-NS-3-2304, Department of Health, Education and Welfare, National Institute of Neurological Diseases and Stroke.

2. Darwin R. Labarthe, M.D., Associate Professor in the Program of Epidemiology, July 1, 1973, to August 12, 1973, to Panama City and vicinity and Colon, Panama, for a training and pretesting period for a research contract entitled, "Epidemiological Studies of Stroke Risk Factors in Panama," to establish the examination process and train field teams in each segment of the process. Expenses to be paid from Contract No. N01-NS-3-2304, Department of Health, Education and Welfare, National Institute of Neurological Diseases and Stroke.

Full

CATALOGUES: Approval is recommended for the following catalogue revisions and additions for the academic year 1973-1974.

Houston Medical School

1. Revision in the General Information section:

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

The University of Texas Health Science Center at Houston is presently composed of the Dental Branch (1906), (~~the M.D. Anderson Hospital and Tumor Institute (1941),~~) the Houston Speech and Hearing Center (1951), the Graduate School of Biomedical Sciences (1963), the School of Public Health (1967), and the Medical School (1970). The Administrative Council of The University of Texas Health Science Center at Houston is responsible for intercommunication and coordination of activities among these units. (~~This Council, which meets weekly, elects its Chairman and reports to the Chancellor.~~) The Council members serve as continuing representatives of the Chancellor in formulating proposals, plans and guidelines for the development of the (~~University of Texas at Houston~~) Health Science Center. Formulations of methods to achieve optimal utilization of University resources in Houston and means by which joint activity can result in better teaching, research and service occupy most of the Council's attention.

THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

With the M.D. Anderson Hospital and Tumor Institute as its hub, The University of Texas System Cancer Center was created in 1972 to coordinate cancer research at all University of Texas components across the State. Nearly 100,000 patients have been admitted since the hospital opened, one-third of whom were medically indigent Texans receiving free care. The staff totals more than 2,800 personnel, including over 375 physicians and scientists. M.D. Anderson ranks as one of the three most comprehensive cancer research and treatment centers in the Western Hemisphere. The Center also maintains the University of Texas Environmental Science Park near Smithville.

2. Revisions in the Expenses section:

MICROSCOPES

(~~Each student will provide his own microscope. The microscope must meet the following specifications:~~

~~Body---monocular-or-binocular
Eyepiece-(oculars)---5X-and-10X
Objectives---3.5X,-10X,-43X-and-97X-(oil-immersion)
Mechanical-stage
Light-source-(preferably-one-that-is-attached-to-the-microscope)
Sub-stage-condenser)~~

The Houston Medical School makes available microscopes on a rental basis of \$50.00 an academic year. The student will need this instrument for the first two academic years for a total rental fee of \$100.00.

BOOKS AND EQUIPMENT

During the first year textbooks, dissection instruments and laboratory costs will average approximately (~~\$250.00~~) \$500.00. In succeeding years books and supplies will cost approximately (~~\$150.00~~) \$200.00 per year.

3. Addition of a new section called Programs of Instruction: (The underlining of this new material has been omitted because of its length.)

Houston Medical School (Continued)

PROGRAMS OF INSTRUCTION

ANESTHESIOLOGY

The Program is dedicated to provide a broad education in the professional practice of anesthesiology to interested members of the medical and dental professions at all levels of training. The facilities of the Hermann, St. Joseph and M.D. Anderson Hospitals have been combined to offer a program of wide scope and variety. Emphasis is placed on clinical and seminar teaching. Laboratory electives are available for freshman students and clinical electives of five and one-half weeks or more are available to senior students. Clinical electives emphasize preoperative evaluation, preparation, and premedication, choice of anesthesia, management of the unconscious patient, principles of resuscitation and post-operative recovery.

ANESTHESIOLOGY

FACULTY

Program Director: Adolph H. Giesecke, Jr., M.D.

Professors: William S. Derrick, M.D., Adolph H. Giesecke, Jr., M.D., Arnold Sladen, M.D.

Associate Professors: Marlene Eng, M.D., Stewart A. Wilber, M.D.

Assistant Professors: Wen Jung Chiu, M.D., Marjorie H. Hendrickson, M.D., Robert B. Richardson, M.D.

Visiting Assistant Professor: Luis J. Moreno, M.D.

Clinical Professors: Emilia Hoeflich, M.D., Emeritus, L.F. Schuhmacher, M.D., Fred P. Thomas, M.D.

Clinical Associate Professor: Lectoy T. Johnson, M.D.

Clinical Associates: Robert Coons, M.D., Bertha M. Davis-Clark, M.D., Ramon Diaz, M.D., J.F. Hairston, M.D., Edward E. Jenkins, M.D., Mary C. Jeu, M.D., Edward A. Kopinitz, M.D., King O. Lai, M.D., Annie E. Lindsey, M.D., Mary Maddock, M.D., John E. Marshall, M.D., Colleen M. Melburn, M.D., James E. McMurray, M.D., Hector Penoucos, M.D., Audrey F. Posey, M.D., James C. Ryan, M.D., Paul Shutts, M.D., Jose A. Tovar, M.D., Cesar Vijil, M.D., David R. Wagner, M.D., Charles H. Williams, M.D.

TRAINEES

Residents: James A. Fisher, M.D., Stephen Gibson, M.D., Oscar Gomez, M.D., John Gorman, M.D., Houston Hamby, M.D., Ming-Sheng Huang, M.D., Earl Johnson, M.D., Young-Soon Kim, M.D., Marcel LeCavalier, M.D., Martin Miser, M.D., Bonnie Tompkins, M.D.

BIOCHEMISTRY AND MOLECULAR BIOLOGY

The Program in Biochemistry and Molecular Biology offers instruction and advanced training in the fundamental aspects of the chemistry of living systems. A basic course in molecular genetics, biochemistry, cell

Houston Medical School (Continued)

structure and function, metabolism and the molecular basis of disease is presented in the medical curriculum. Research interests of the staff and training opportunities for medical, graduate and postdoctoral trainees center on specific aspects of molecular biology, biochemical genetics, membrane biochemistry and structure and function of proteins.

BIOCHEMISTRY AND MOLECULAR BIOLOGY

FACULTY

Program Director: John A. DeMoss, Ph.D.

Professor: John A. DeMoss, Ph.D.

Assistant Professors: Stanley P. Blatt, Ph.D., William Dowhan, Ph.D.,
David A. Sirbasku, Ph.D., Henry W. Strobel, Ph.D.

TRAINEES

Postdoctoral Fellows: Robert Benson, Ph.D., F. Marion Hulett, Ph.D.,
Ruth Sherman, Ph.D.

Graduate Students: David Dignam, Thomas Y. Pringle, Stephen Spindler,
Lynn Young

BIOMEDICAL COMMUNICATIONS

The Program is charged with the development and distribution of the central learning resources used in the Medical School as well as maintaining an academic program relating to Biomedical Communications. The two divisions engaged in these activities are Media Services and Computing and Information Services.

Media Services is composed of the following sections: Audio-visual utilization, photography, graphics and television. One or any combination of these is available to best meet, or be responsive to, the needs of the students or faculty members.

Computer and Information Systems is responsible for the introduction and application of computing science and information structures principles to all phases of instruction and research. Both computer and information-based systems are developed.

Primary instruction or computational support is rendered in the Analytic Methods Course, laboratory preceptorships and medical specialty tracks. Prototypical projects are planned for student use in clinical laboratory analysis, problem-oriented patient records, patient history taking, self-instruction and general computation.

BIOMEDICAL COMMUNICATIONS

FACULTY

Program Director: Malcolm Skolnick, Ph.D.

Professor: Malcolm Skolnick, Ph.D.

Associate Professor: John J. Lenahan, Ph.D.

Assistant Professor: Arthur Katser, Ed.D.

Instructor: Robert Bienkowski, Ph.D.

Houston Medical School (Continued)

DERMATOLOGY

The Program provides an introduction to dermatology for all medical students by covering the pathogenesis, diagnosis and management of common cutaneous problems. Emphasis is placed upon the relationship of skin findings and systemic disease. Visual aids and patients are used in conjunction with presentations and seminars. A clinical dermatology elective of five and one-half weeks is offered to senior students. The Hermann Hospital Skin Clinics and the private offices of selected faculty members expose the student to the responsibility of dermatologic care. Rotations through the Program are offered to interns and residents.

DERMATOLOGY

FACULTY

Program Director: Marvin E. Chernosky, M.D.

Clinical Professor: Marvin E. Chernosky, M.D.

Clinical Instructor: Margaret Waisman, M.D.

Clinical Associates: Samuel F. Bean, M.D., Ann Bennett, M.D.,
Shirley S. Bowen, M.D., Fred F. Castrow, II, M.D.,
William H. Connor, M.D., W. Roy Knowles, M.D.,
John M. Knox, M.D. Leonard Meltzer, M.D., Donald
W. Owens, M.D., Elizabeth W. Rauschkolb, M.D.,
J.B. Richardson, M.D., Everett R. Seale, M.D.

DIAGNOSTIC RADIOLOGY

Clinical diagnostic radiology is stressed at all levels of training with particular emphasis being placed upon correlative exercises with other clinical and basic science programs. During the first academic year approximately 20 hours of normal roentgen anatomy are given in conjunction with the course in gross anatomy. The normal material is supplemented by typical examples of pathologic processes which may affect individual organs.

Instruction during the second academic year is devoted to the systems biology courses taught in conjunction with the various medical and surgical specialties.

Clinical electives of five and one-half weeks or more are available to senior students and emphasize radiologic technique, indications and contra-indications for various procedures and the fundamentals of film interpretation. Teaching methods include self-instruction by means of permanent teaching files and programmed lectures, didactic lectures, staff and student seminars and participation in the performance of actual examinations.

Special laboratory electives are available for students at any level of training.

DIAGNOSTIC RADIOLOGY

FACULTY

Program Director: Gerald D. Dodd, Jr., M.D.

Professors: Gerald D. Dodd, Jr., M.D., Thomas S. Harle, M.D.

Houston Medical School (Continued)

Adjunct Professor: Cesare Gianturco, M.D.

Associate Professors: John Phillips, M.D., Lee Rogers, M.D.

Assistant Professors: Yoram Ben-Menachem, M.D., James Hevezi, Ph.D.,
Roger Alan Maupin, M.D.

Lecturer: James Morgan

Clinical Professor: Leonard C. Doubleday, M.D.

Clinical Associate Professor: Arthur F. Barrett, M.D.

Clinical Assistant Professor: Thomas Gillespie, M.D.

Clinical Associates: Victor Carlson, M.D., J. Barnett Finkelstein, M.D.,
Arnold M. Goldman, M.D., Kenneth Jensen, M.D.,
Bao-Shan Jing, M.D., James Keegan, M.D., Leslie L.
Lemak, M.D., John Martin, M.D., Hector Medellin,
M.D., David D. Paulus, M.D., Sidney Wallace, M.D.,
Charles W. Yates, M.D.

TRAINEES

Residents: Patricia Athey, M.D., Nicholas Bancks, M.D., Dennis Beck,
M.D., Talal Beydoun, M.D., Richard Carnovale, M.D., Dennis
Carlyle, M.D., Lloyd Davis, M.D., Allen Donnelly, M.D.,
John Gay, M.D., Parker F. Gregg, M.D., Stephen Kaminsky, M.D.,
Rieley Kidd, M.D., Charles P. Latourette, M.D., Mark Miller,
M.D., Stanley Novy, M.D., John Ricks, M.D., Huey D.
Rutherford, M.D., Alvin Thaggard, III, M.D.

FAMILY PRACTICE

The Program is dedicated to preparing students and residents for Family Practice. This is a broad-based, horizontal program with emphasis on comprehensive medical care for the whole family. The primary base of the program is in the Memorial Hospital (Central), including the Family Practice Clinic for outpatient care. Elective programs are available to senior students as ten week preceptorships in the offices of family physicians outside the Houston area and as ten week mini-internships with the Family Practice Residency Program. These electives emphasize the role of the family physician in the medical community as well as in the patients' community.

FAMILY PRACTICE

FACULTY

Program Director: Jack A. Haley M.D.

Associate Professor: Harold Pruessner, M.D.

Clinical Professor: Jack A. Haley, M.D.

Clinical Associate Professor: A.T. Talley, Jr., M.D.

Clinical Assistant Professors: Edwin R. Franks, M.D., Carlos D. Godinez,
M.D., Bob C. Jones, M.D., Sam A. Nixon,
M.D., John C. Hundley, M.D., Mario E.

Houston Medical School (Continued)

Ramirez, M.D., R.E. Read, M.D., Herbert
T. Smith, M.D., B.B. Westbrook, M.D.

Clinical Associate: Isaac Kleinman, M.D.

TRAINEES

Residents: John L. Dillon, M.D., Robert F. Ezell, M.D., Ignacio Garcia,
M.D., Enrique B. Granada, M.D., Octavio E. Gutierrez, M.D.,
Jong Soo Kim, M.D., Po Wen Lee, M.D.

Interns: Amiris A. Alcover, M.D., Lee Baggett, M.D., G. Bhattacharya,
M.D., Hugh B. Burris, M.D., Francisco J. Del Castillo, M.D.,
Hardy Grunewaldt, M.D., Long-Shong Hwang, M.D., V.J. Mendoza,
M.D., Raul T. Meoz-Mendez, M.D., G.S. Nery, M.D., Eva Solis,
M.D., Julio C. Tuberquia, M.D.

INTERNAL MEDICINE

The Program in Medicine is designed to provide broad educational experiences in general medicine and its subspecialties to undergraduate and graduate students. Emphasis in the Program is placed on clinical training leading to the practice of internal medicine and to the production of relevant and high quality research.

The undergraduate program of the department infiltrates many of the basic science courses and has heavy roles in the Systems Biology and Introduction to Clinical Medicine courses. Clerkships, both on the ward and in the outpatient areas, are important teaching responsibilities. In addition, there is a four-year postdoctoral program. The first of these is a straight internship which is divided into eight months service on wards or clinics of the three hospitals, a rotation through Neurology and an intensive care area as well as through an Emergency Room. Subsequent years may be tailored to fit the needs of the trainee.

The entire program is designed to ensure that the trainee has increasing responsibilities for patient care and the opportunity to participate in the activities of major subspecialties of Medicine. There are no regularly assigned basic science training programs as such, but there are a wide variety of biochemical, biophysical and biomathematical resources available both for training and consultation.

The Program in Internal Medicine is integrated to incorporate teaching functions in the Department of Medicine at Hermann Hospital, M.D. Anderson Hospital and St. Joseph Hospital. In addition, the Department of Developmental Therapeutics at M.D. Anderson Hospital is involved in undergraduate and graduate teaching. The incorporation of these three major hospitals plus the resources of the Medical School enable the Program in Medicine to offer an opportunity for its students to see the entire spectrum of modern medicine and to participate in meaningful clinical research.

INTERNAL MEDICINE

FACULTY

Program Director: Walter M. Kirkendall, M.D.

Acting Director, Division of Cardiology: Evan D. Fletcher, M.D.

Director, Division of Hematology: Joel Moake, M.D.

Houston Medical School (Continued)

Director, Division of Infectious Disease and Clinical Microbiology:
Herbert L. DuPont, M.D.

Professors: Herbert L. DuPont, M.D., Herbert L. Fred, M.D., Emil J. Freireich, M.D., Robert S. Nelson, M.D., Robert Oseasohn, M.D., Rulon W. Rawson, M.D., C.C. Shullenberger, M.D., Cheves McC. Smythe, M.D.

Visiting Professor: Evan D. Fletcher, M.D.

Associate Professors: Raymond Alexanian, M.D., Said Assaf, Ph.D., Gerald P. Bodey, M.D., Nicholas G. Bottiglieri, M.D., Evan Hersh, M.D., Joel Moake, M.D., Eugene M. McKelvey, M.D., Naguib A. Samaan, M.D., Melvin L. Samuels, M.D., Joseph G. Sinkovics, M.D.

Assistant Professors: George R. Blumenschein, M.D., Nylene E. Eckles, M.D., Jess F. Gamble, M.D., Andrew Burgess, M.D., Jeffrey A. Gottlieb, M.D., Jordan U. Gutterman, M.D., Jacqueline Hart, M.D., C. Stratton Hill M.D., Paul Y. Holoye, M.D., Giora Mavligit, M.D., Kenneth B. McCredie, M.D., Victorio Rodriguez, M.D.

Research Assistant Professor: Merrill L. Overturf, Ph.D.

Instructors: Jeanne P. Hester, M.D., Oliver C. Hunter, M.D., Robert B. Livingston, M.D., James C. Thomas, M.D.

Clinical Professors: Robert B. Crouch, M.D., Raymond L. Gregory, M.D., Emeritus, Hugh H. Hanson, M.D., Lester L. Hoaglin, Jr., M.D., William R. Owen, M.D., Rodney L. Rodgers, M.D., Sidney Schnur, M.D., Edward A. Wilkerson, M.D., Emeritus

Clinical Associate Professors: Kenneth R. Bingman, M.D., John B. Burrows, M.D., Harold L. Dobson, M.D., Richard L. Etter, M.D., Thomas H. Giddings, M.D., Edmund N. Gouldin, M.D., R. Frederick Gregory, M.D., Belton G. Griffin, M.D., A. Edward Groff, M.D., John B. Hicks, M.D., John G. Hull, M.D., Samuel A. Levy, M.D., Frederick R. Lummis, M.D., Joseph T. Painter, M.D., Everett C. Price, M.D., Joel E. Reed, M.D., Stuart Riggs, M.D., Leonard R. Robbins, M.D., H. Keith Stonecipher, M.D., Harold J. Tausend, M.D., Lewis L. Travis, Jr., M.D.

Clinical Assistant Professors: W. Tom Arnold, M.D., Lynn A. Bernard, M.D., Deane T. Cline, M.D., Robert L. Donald, M.D., Frederick G. Dorsey, M.D., Oscar A. Fonseca, M.D., Sigmund W. Friedland, M.D., Richard H. Jackson, M.D., Edith I. Jones, M.D., Alfred E. Leiser, M.D., Edward K. Massin, M.D., Edward L. Middleman, M.D., Michael A. Modelski, M.D., John E. Norris, M.D., Ben F. Orman, M.D., John C. Owens, M.D., Harry R. Price, M.D., Michael B. Raine, M.D., Warren J. Raymer, M.D., Harvey B. Snyder, M.D., Dean C. Solcher, M.D., J. Peter Sullivan, M.D., Rhey Walker, II, M.D., Michael A. Zionts, M.D.

Houston Medical School (Continued)

Clinical Instructors: Abdul R. Cheema, M.D., Alan E. Cororve, M.D.

Clinical Associates: M.K. Ali, M.D., Herbert C. Allen, Jr., M.D.,
 R. William Baird, M.D., Richard H. Barrick, M.D.,
 Earl F. Beard, M.D., T. David Bedner, M.D.,
 Samuel F. Boushy, M.D., Harold Brown, M.D.,
 Charles K. Bruhl, M.D., John J. Bunting, M.D.,
 George W. Conrad, Jr., M.D., Dolph L. Curb, M.D.,
 Edmond K. Doak, M.D., William M. Donahue, M.D.,
 Ray R. Durrett, M.D., Thomas P. Earthman, M.D.,
 Howard L. Evans, M.D., Bernard Farfel, M.D.,
 T. J. Fatherree, M.D., Ramon Garrido, M.D., Barry
 Goodfriend, M.D., Norma F. Harris, M.D., Martin J.
 Hrgovcic, M.D., R. Andrew Jackson, M.D., Harry L.
 Kaplan, M.D., Gene R. Lindley, M.D., Meredith
 Montague, III, M.D., Pedro M. Montojo, M.D.,
 John P. McGovern, M.D., Arthur T. Pedersen, M.D.,
 Franklin M. Rivers, Sr., M.D., Donald J. Russell, M.D.,
 Jim E. Russell, M.D., Christy L. Saller, M.D.,
 Margaret Shelton, M.D., Emmitt H. Shoemaker, M.D.,
 Howard M. Sussman, M.D., Carlos F. Taboada, M.D.

TRAINEES

Residents: Regina B. Atcheson, M.D., Steven G. Atcheson, M.D., Richard W.
 Blakely, M.D., Richard H. Conklin, M.D., M. Wayne Cooper, M.D.,
 George McC. Hewell, M.D., Warford B. Johnson, II, M.D.,
 Woody V. Kageler, M.D., Douglas P. Lyle, M.D., Alberto J.
 Maillard, M.D., Louis F. Medoza, M.D., James Skelton, M.D.,
 Warren W. Simi, M.D., Tulio Sulbaran, M.D., Robert T. Wall,
 M.D., Lawrence W. Worth, M.D.

Interns: William Abramovits, M.D., Keith Aldinger, M.D., William Bennett,
 M.D., Steven Fadem, M.D., Herbert A. Holman, M.D., Gary E.
 Hrnicek, M.D., George G. Hughes, M.D., Gene P. Ream, M.D.

NEUROLOGY

The Program is organized to provide medical educational opportunities in the practice of clinical neurology at both undergraduate and graduate levels of training. The clinical facilities of the Hermann, St. Joseph and M.D. Anderson Hospitals and St. Anthony Center are available for the care and study of persons with a variety of neurological disorders, both acute and chronic. Preceptorships are available for first-year students and elective clinical clerkships of five and one-half weeks or more are available for senior students. Clinical experience is directed toward history taking, special physical and laboratory examinations in neurological disorders, management of the unconscious patient and principles of rehabilitation in neurologically handicapped persons.

NEUROLOGY

FACULTY

Program Director: William S. Fields, M.D.

Professor: William S. Fields, M.D.

Clinical Associates: James W. Crawley, M.D., Robert M. Gordon, M.D.,
 Abe Hauser, M.D., Harris M. Hauser, M.D.,
 C.A. Iannucci, M.D., James M. Killian, M.D.,
 John J. McCutchen, M.D., John S. Meyer, M.D.,
 Jean M. Moure, M.D., Meyer L. Proler, M.D.,

Houston Medical School (Continued)

Edward J. Rashti, M.D., Gerald Ratinov, M.D.,
William J. Riley, M.D., Israel Schuleman, M.D.,
John C. Skogland, M.D., Jorge Weibel, M.D.

NEUROSTRUCTURE AND FUNCTION

The Program in Neurostructure and Function is oriented toward an integrated study of the nervous system involving several disciplines including neuroanatomy, neurophysiology, neurochemistry, neuropharmacology, histochemistry, cytochemistry, behavior, developmental biology, ultra-structure and clinical neurology. The program is directed primarily toward providing first-year medical students and graduate students with the essential foundations for an understanding of nervous system function. Laboratory preceptorships are available to first-year students and track and elective programs in single or multidisciplinary areas are available to senior medical students and graduate students. Special research fellowships, either clinically related or basic science oriented, are also available.

NEUROSTRUCTURE AND FUNCTION

FACULTY

Program Director: Joe G. Wood, Ph.D.

Professor: Joe G. Wood, Ph.D.

Assistant Professors: Nachum Dafny, Ph.D., Harvey Nudelman, Ph.D.,
Richard G. Peterson, Ph.D., R. Bruce Szamier, Ph.D.

TRAINEES

Research Associate: H. Randall Matthews, Ph.D.

Graduate Students: Kathleen Marburger, Eleftheria Missirilis,
Robert McClung

OBSTETRICS AND GYNECOLOGY

The discipline of Obstetrics is concerned with the total health of the female prior to, during, and after childbearing. The Program seeks to provide the student with an understanding and appreciation of woman in her several roles as an individual and as a member of the family unit as well as a member of our rapidly changing society. The quality of woman's life is stressed in the Program.

The principles of maternal health and fetal medicine, family planning, sexuality, gynecologic disease, oncology and reproductive endocrinology are taught in the classroom, on the ward, in the office setting and in the operating room. The facilities and staffs of the Hermann, St. Joseph and M.D. Anderson Hospitals all participate in this endeavor. The junior clerkship of five and one-half weeks is coordinated with the students' introduction to the discipline during his pre-clinical curriculum. Clinical and laboratory electives are available to senior students in areas relating to perinatology, reproductive biology and endocrinology, and oncology, as well as clinical obstetrics and gynecology.

OBSTETRICS AND GYNECOLOGY

FACULTY

Program Director: Bere1 Held, M.D.

Houston Medical School (Continued)

Professors: Berel Held, M.D., Felix N. Rutledge, M.D., Emil Steinberger, M.D.

Associate Professors: Julian Payne Smith, M.D., Keith D. Smith, M.D.

Assistant Professor: Michael S. Baggish, M.D., James T. Wharton, M.D.

Clinical Professors: John T. Armstrong, M.D., A. Louis Dippel, M.D., Emeritus, Joseph A. Lucci, Jr., M.D., William A. McRoberts, Jr., M.D.

Clinical Associates:

Hans P. Altinger, M.D., Hiram P. Arnold, M.D., Mario Biondo, M.D., Bobby J. Boyd, M.D., So Kim Tan Chiu, M.D., Melville L. Cody, M.D., R. Vernon Colpitts, M.D., John K. Cox, M.D., Bhaguanti Das, M.D., William J. Estrada, M.D., Stephen Falk, M.D., Arthur M. Faris, Jr., M.D., Arthur M. Faris, Sr., M.D., Robert R. Franklin, M.D., Robert H. Friedman, M.D., Herman L. Gardner, M.D., Thomas Greedy, Jr., M.D., Harry M. Hageney, M.D., Carlos R. Hamilton, M.D., Dixie G. Hamilton, Jr., M.D., Loren W. Haus, M.D., Ronald J. Helman, M.D., B. Tucker Hollins, M.D., George E. Hug, M.D., Angel de la Iglesia, M.D., William R. Knight, III, M.D., Joseph S. Lattimore, M.D., Alfred E. Lauden, M.D., Anthony P. Lucci, M.D., Mary L. Magee, M.D., Robert W. Maniha, M.D., Jerry C. Marcontell, M.D., Val C. Macio, M.D., Henry L. McClanahan, M.D., Mary Ann McKinney, M.D., Maurice J. Meynier, Jr., M.D., Larry Myers, M.D., Dudley Y. Oldham, M.D., Donald M. Paton, M.D., Levi del Rosario, M.D., Joseph P. Salerno, M.D., Otto F. Schoenvogel, M.D., Bobby J. Simpson, M.D., P.W. Smith, M.D., Saul W. Soffar, M.D., Joseph L. Spezia, M.D., M.D. Stevenson, M.D., Matthew H. Talty, M.D., Douglas Thibodeaux, M.D., Stephen Thomas, M.D., Nathan H. Topek, M.D., Kenneth C. von Pohle, M.D., John A. Wall, M.D., Richard D. Weilburg, M.D., Orian C. Westbrook, Jr., M.D., Dezra White M.D., Leslie E. Whitlock, M.D., Carlton E. Wolters, M.D., Ronald B. Wright, M.D., Alan B. Rosen, M.D.

TRAINEES

Residents: Garland Douglas Anderson, M.D., Luis-Sergio Morales Mercado, M.D., Yong Kyun Park, M.D., Sheela Harish Sadhwani, M.D., Carlos Wigoda, M.D.

OPHTHALMOLOGY

Training in Ophthalmology is offered at all levels including medical student, internship, residency and post-residency fellowship. The Program includes Hermann Hospital, M.D. Anderson Hospital and St. Joseph Hospital. The main emphasis is placed on clinical ophthalmology although involvement in research projects is available for those interested. Electives are available for medical students in the senior year.

OPHTHALMOLOGY

FACULTY

Program Director: Richard S. Ruiz, M.D.

Instructors: Charles A. Garcia, M.D., Donald L. Hall, M.D.

Clinical Professor: Richard S. Ruiz, M.D.

Adjunct Clinical Professor: Milton Boniuk, M.D.

Houston Medical School (Continued)

- Clinical Associate Professors: Ralph G. Berkeley, M.D., Elisabeth S. Crawford, M.D., Louis Daily, M.D., Whitney G. Sampson, M.D.
- Clinical Assistant Professors: Ray L. Brewer, M.D., Craig B. Johnson, M.D., Emeritus, Malcolm L. Mazow, M.D., Charles E. Russo, M.D., James A. Smelley, M.D., Robert H. Stewart, M.D., John T. Stough, M.D., Emeritus, Robert B. Wilkins, M.D., Otto L. Zaneck, M.D.
- Clinical Instructors: James Robert Barnes, III, M.D., Ralph L. Brenner, M.D., Joseph Darsey, M.D., Robert B. Gillett, M.D., David A. Greenspan, M.D., Eugene B. Gregory, M.D., W. Rex Hawkins, M.D., Lieven J. Van Riet, M.D.
- Clinical Associates: William S. Banks, III, M.D., Raymond Blalock, M.D., Jules H. Borger, M.D., Donald P. Ford, M.D., James G. Keatts, M.D., James H. Krause, Jr., M.D., David Scher, M.D., L. Fernando Schweitzer, M.D., Thomas J. Vanzant, M.D.

TRAINEES

- Residents: Maple Avery, M.D., J.R. Barnes, M.D., Warren Cross, M.D., Charles Garcia, M.D., Kurt W.L. Guelzow, M.D., Craig Grant, M.D., Edwin Hankins, III, M.D., Richard L. Kimbrough, M.D., Paul Salmonsens, M.D., James W. Speights, M.D., Sue Ellen Young, M.D.

ORTHOPEDIC SURGERY

The Program is designed for a broad training in the science of orthopedic surgery for medical students and postdoctoral education. The affiliated hospitals in the Program are Hermann Hospital, St. Joseph Hospital, Shriners Hospital for Crippled Children, M.D. Anderson Hospital, Veterans Hospital and the Ben Taub Hospital.

The introduction to Orthopedic Surgery is based on small group teaching sessions to medical students as well as clinical electives for five and one-half weeks which are available to senior medical students. Attendance in the various specialties in the out-clinics is encouraged for undergraduate students. A four-year orthopedic training program, accepting three new residents each year, is available. The program covers multiple trauma, children and adult orthopedics, as well as long-term reconstructive problems. One year of hospital training is a prerequisite for application to the orthopedic residency training program.

A basic science program covers anatomy, pathology, physiology, biomechanics and metabolic diseases affecting the musculoskeletal system as they relate to orthopedic surgery. This is a continuing educational experience which is held one-half day each week throughout the four-year period of postdoctoral training.

ORTHOPEDIC SURGERY

FACULTY

- Program Director: Frank F. Parrish, M.D.
- Clinical Professors: Michael M. Donovan, M.D., Joe W. King, M.D., Frank F. Parrish, M.D., Edward T. Smith, M.D., Emeritus

Houston Medical School (Continued)

Clinical Associate Professors: Billie D. Burdeaux, Jr., M.D., A. Ross Davis, M.D., Richard DeYoung, M.D., Richard H. Eppright, M.D., LeRoy W. Hanson, M.D., Paul R. Harrington, M.D., Arthur M. Jansa, M.D., Thomas O. Moore, M.D., James K. Pevey, M.D., Thomas O. Shindler, M.D., Charles T. Stephenson, M.D.

Clinical Assistant Professors: Charles E. Baker, M.D., Alexander E. Brodsky, M.D., Robert L. Brownhill, M.D., Thomas E. Cain, M.D., Jesse H. Dickson, M.D., Michael J. Epstein, M.D., W. Malcolm Granberry, M.D., William R. Hampton, M.D., William L. Hand, M.D., Roland D. Jackson, M.D., Donald T. Lazarz, M.D., John A. Murray, M.D., Page W. Nelson, M.D., Jack Southern, M.D., Rufus F. Stanley, Jr., M.D., Myer Stumer, M.D., Hugh S. Tullos, M.D.

Clinical Instructors: Frank L. Barnes, II, M.D., James E. Butler, III, M.D., Cecil M. Christensen, M.D., Lee C. Detenbeck, M.D., John K. Dozier, Jr., M.D., Thomas D. Franklin, M.D., Gary C. Freeman, M.D., Gottfried R. Kaestner, M.D., Charles L. McCollum, M.D., Grant R. McKeever, M.D., William J. Rylee, M.D., Sherwin J. Siff, M.D.

TRAINEES

Residents: Donald E. Baxter, M.D., Gerald R. Butler, M.D., Allen Criswell, M.D., Forney W. Fleming, III, M.D., Paul A. Griffin, M.D., Stanley C. Jones, M.D., W. Linn Jones, M.D., Thomas S. Padgett, M.D., Douglas D. Porter, II, M.D., William K. Stephenson, M.D., Thomas S. Padgett, M.D.

PATHOLOGY

The emphasis of the program is to provide expertise in Anatomic Pathology and Laboratory Medicine to support the systems-oriented interdisciplinary teaching activities of the School of Medicine and the service needs of Hermann Hospital. Teaching is conducted for all levels of medical students, medical technology students and house staff using all modalities from self-instructional material to formal lectures. Electives of five and one-fourth weeks or more are available in Laboratory Medicine to senior students. They include the performance, selection and interpretation of commonly used tests, surgical pathology and cytology review and rounds on selected patients with test result abnormalities.

PATHOLOGY

FACULTY

Program Director: Hubert J. Van Peenen, M.D.

Professor: Hubert J. Van Peenen, M.D.

Associate Professors: Alan Broughton, M.D., Bruce Mackay, M.D., Ph.D.

Assistant Professors: John B. Arthaud, M.D., David S. deJongh, M.D., Doris L. Ross, Ph.D.

Houston Medical School (Continued)

Adjunct Assistant Professor: Frank O. Bastian, M.D.

Lecturers: Robert Bucklin, M.D., Franz Leidler, M.D., Peter M. Marcuse, M.D.

Clinical Professor: Wilson G. Brown, M.D.

Clinical Associate Professors: George V. Miller, M.D., Walter G. Olin, M.D., John R. Thomas, M.D.

Clinical Assistant Professors: Joe B. Haden, M.D., Elaine V. Shalek, M.D., Samuel J. Skinner, M.D.

Clinical Associates: Raul I. Lede, M.D., Lawrence J. Stuart, M.D., M.S. Urista, M.D., Leo J. Williams, M.D.

TRAINEES

Research Associate: Violet Armour

Residents: Eduardo Bellas, M.D., Ronald Hearne, M.D., Glory Sandberg, M.D.

PEDIATRICS

The teaching program in Pediatrics emphasizes the approach to the sick child and his parents. Certain unique aspects about Pediatrics are underscored such as the extraordinarily important newborn period when there is adaptation to the extrauterine environment and various aspects of mental, physical and biochemical growth and development.

As the program in Houston has developed, certain aspects of Pediatrics have been emphasized. There is interest in the diagnosis and treatment of the newly-born infant with emphasis on intensive pediatric care. There are major interests in genetic and metabolic problems. The importance of primary care is emphasized in the general Pediatric Clinics and Specialty Clinics.

In addition to the general Pediatric Program, elective opportunities are available in five and one-half week increments in various clinical and laboratory aspects of Pediatrics and Genetics.

PEDIATRICS

FACULTY

Program Director: R. Rodney Howell, M.D.

Professor: R. Rodney Howell, M.D., Alfred G. Knudson, Jr., M.D., Ph.D.

Associate Professor: Charles I. Scott, Jr., M.D.

Assistant Professors: Eugene Adcock, III, M.D., Frank H. Morriss, Jr., M.D., Susan S. Skrovan, M.D., Roger E. Stevenson, M.D.

Instructor: Charleen M. Moore, Ph.D.

Lecturer: Corinne M. Jones, M.D.

Clinical Associate Professor: Joseph A. Stool, M.D.

Houston Medical School (Continued)

Clinical Assistant Professors: Dora Chao, M.D., Leonard S. Hoffman, M.D.,
Rebecca P. Schwanecke, M.D.

Clinical Associates: Laura C. Bickel, M.D., E.B. Brandes, M.D., Matthew
D. Burnett, M.D., David O. Childers, M.D., Stuart
K. Cohan, M.D., Raymond Cohen, M.D., James L.
Collier, M.D., James R. Curbo, M.D., Murdina M.
Desmond, M.D., Gerald Y. George, M.D., Jack R. Hild,
M.D., Frank D. Hill, M.D., Alvin Jaffee, M.D.,
Robert E. Leaton, M.D., Paul Lensky, M.D., Kay L. R.
Lewis, M.D., A. Pidd Miller, M.D., A.A. Mintz, M.D.,
Max R. Mintz, M.D., David M. Mumford, M.D., Donald
Davis Mitchell, M.D., A.J. Rudolph, M.D., George W.
Salmon, M.D., Randolph L. Schaffer, M.D., Joseph
Shoss, M.D., David Schrum, M.D., Nuel C. Windrow,
M.D.

TRAINEES

Research Associate: James H. Brown, Ph.D.

Residents: Jess David Curb, M.D., Ayyash Marwan, M.D., Jerry Moye, M.D.,
Frank A. Simon, M.D.

Interns: John Blevins, M.D., Joseph Cotropia, M.D., Gary Heaton, M.D.,
Michele McIntosh, M.D.

PHARMACOLOGY

The principal goal of the Program in Pharmacology, as a research unit, is to contribute towards a better understanding of the mechanisms of action of hormones and other drugs at the cellular and subcellular levels. To this end, research is carried out at all levels of biological organization, from the molecular to the organismic level and beyond. A clinical pharmacology unit being developed in conjunction with the Program in Internal Medicine and other clinical programs will have as its chief aim the application of basic information to alleviation of human illness through improved methods of drug therapy.

As a teaching unit, the Program provides instruction in basic pharmacology to medical students and to residents and house staff at affiliated hospitals. The goal here is to provide a firm foundation for the wise and effective use of drugs as therapeutic agents. The Program also participates in the teaching program of the Graduate School of Biomedical Sciences, where its aim is to facilitate and promote the search for new knowledge.

PHARMACOLOGY

FACULTY

Program Director: G. Alan Robison, Ph.D.

Professors: Ti Li Loo, Ph.D., G. Alan Robison, Ph.D.

Adjunct Professor: Beng T. Ho, Ph.D.

Associate Professor: Thomas F. Burks, Ph.D.

Adjunct Associate Professor: Eric G. Comstock, M.D.

Houston Medical School (Continued)

Assistant Professors: Gary C. Rosenfeld, Ph.D., George M. Stancel, Ph.D.,
Samuel J. Strada, Ph.D., W. Joseph Thompson, Ph.D.,
Norman W. Weisbrodt, Ph.D.

TRAINEES

Research Associates: Srinivasa B. Achar, Ph.D., Jerrold J. Heindel, Ph.D.,
Willis L. Kirkland, Ph.D., W. Jackson Pledger, Ph.D.,
Richard G. Van Inwegen, Ph.D.

PHYSIOLOGY

The Program in Physiology provides an educational program for medical students covering various aspects of mammalian physiology. The faculty is also involved in advanced physiological studies appropriate for graduate students, postdoctoral fellows, and medical students in elective work. Research activities are concerned mainly with normal and abnormal functioning of the gastrointestinal tract.

PHYSIOLOGY

FACULTY

Program Director: Eugene D. Jacobson, M.D.

Professors: Eugene D. Jacobson, M.D., Leonard R. Johnson, Ph.D.

Associate Professors: Gilbert A. Castro, Ph.D., David Mailman, Ph.D.,
Linda L. Shanbour, Ph.D.

Assistant Professors: James Anderson, Ph.D., Thomas J. Sernka, Ph.D.,
Norman Weisbrodt, Ph.D.

Assistant Instructors: A.C. Chou, Ph.D., A.P. Shepherd, Ph.D.

TRAINEES

Research Associates: Rebecca Enochs, Ph.D., Ying-Ming Kuo, Ph.D.,
Wieslaw Pawlik, M.D.

Graduate Students: Tarun K. Chaudhury, Y.J. Kuo, Travis Solomon

PSYCHIATRY

The basic aim of the Program in Psychiatry is to provide the medical student, whatever his ultimate career, with a solid foundation in the knowledge of developmental, environmental, biological and biochemical factors underlying mental illness. During the first year the students are taught interview techniques, basic psychopathology, and an introduction to the principles of behavioral science. Each student during his third year clinical clerkship spends five and one-half weeks in the facilities of St. Joseph Hospital, Texas Research Institute of Mental Sciences, Children's Mental Health Services, Hermann Hospital and the Harris County Mental Health Screening Unit at the Jefferson Davis Hospital, where they see and follow patients with various psychiatric syndromes. Clinical and laboratory electives are available to students in their senior year.

Houston Medical School (Continued)

PSYCHIATRY

FACULTY

Program Director: Louis A. Faillace, M.D.

Professor: Louis A. Faillace, M.D.

Assistant Professors: Robert Guynn, M.D., Sarah Howell, M.D., Harvey Nudelman, Ph.D., Thomas Wittkopp, M.D.

Adjunct Assistant Professors: Wesley DuCharme, Ph.D., William Howell, Ph.D., Rudi Nydegger, Ph.D., Trenton Wann, Ph.D.

Clinical Professors: Irvin Cohen, M.D., David Mendell, M.D., Neil Burch, M.D.

Clinical Associate Professors: Lovell Crain, M.D., James Claghorn, M.D., T.P. Clarke, III, M.D., H. James Stuart, M.D.

Clinical Assistant Professors: Jacob Blasser, M.D., John Carver, Ph.D., Eric Comstock, M.D., Robert I. Hauser, M.D., James Heald, M.D., Edwin E. Johnstone, M.D., Harold Rockaway, M.D., James Robinson, M.D., Timothy L.D. Sharma, M.D., John Stafford, M.D., Roy Van Varner, M.D.

Clinical Instructors: Barry M. Brown, M.D., Bennie L. Callies, M.D., James F. Considine, M.D., Eugene C. Divita, M.D., Michael F. Gzaskow, M.D., Randolph P. Johnston, M.D., Jose Montes, M.D., Javier A. Zapata, M.D.

Clinical Associates: Lazard S. Brener, M.D., Zidella S. Brener, M.D., Alan B. Binsmade, M.D., Howard G. Crow, M.D., Herbert I. Dorfman, M.D., Isadore D. Peters, M.D., Alfred H. Vogt, M.D., Paul J. Walter, M.D.

RADIOTHERAPY

The Program is designed to provide clinical experience in the care and treatment of the cancer patient and training in the application of ionizing radiation for the medical profession at all levels of training. The principal facilities for this program are located at the M.D. Anderson Hospital but additional facilities are available at the Hermann and St. Joseph Hospitals. Research programs in radiobiology are provided in the laboratories of the Section of Experimental Radiotherapy at M.D. Anderson. Clinical and laboratory electives are offered for senior medical students for periods of five and one-half or eleven weeks. Clinical electives emphasize physical diagnosis, routes of spread of malignant disease, selection of treatment for site and stage of disease and results and complications of treatment as seen in patient follow-up clinics.

RADIOTHERAPY

FACULTY

Program Director: Gilbert H. Fletcher, M.D.

Houston Medical School (Continued)

Professors: Luis Delclos, M.D., Gilbert H. Fletcher, M.D., Robert D. Lindberg, M.D., Eleanor D. Montague, M.D., Norah duV. Tapley, M.D., H. Rodney Withers, M.D.

Associate Professors: Lillian M. Fuller, M.D., David H. Hussey, M.D., Lowell S. Miller, M.D.

Assistant Professors: Howard T. Barkley, Jr., M.D., Alvah J. Nelson, III, M.D.

Clinical Associate: Augusto E. Gutierrez, M.D.

TRAINEES

Postdoctoral Fellows: Ivan Basic, D.V.M., Patric Engels, M.D., David Grdina, Ph.D., Luka Milas, M.D., Ph.D., Helen Stone, Ph.D.

Residents: Jack P. Abrams, M.D., David W. Ange, M.D., Mario Angulo, M.D., Mario R. Baeza, M.D., Franklin L. Banker, M.D., Jerry L. Barker, M.D., William M. Bielskis, Jr., M.D., Guillermo E. Carbonell, M.D., Rafael C. Chan, M.D., Honorio Chiminazzo, Jr., M.D., J.F. Doornbos, M.D., Arthur D. Hamberger, M.D., David J. Harter, M.D., Samuel L. Jampolis, M.D., H. Dieter Kogelnik, M.D., Joseph A. Lachance, M.D., Robert C. Landgren, M.D., Orlando R. Merino, M.D., Jerrold P. Saxton, M.D., Thomas J. Tidwell, M.D.

REPRODUCTIVE BIOLOGY AND REPRODUCTIVE ENDOCRINOLOGY

The primary goal of the Program is to provide educational experience for medical students, house staff and practicing physicians in the broad area of reproductive biology and reproductive endocrinology. The educational thrust is oriented toward integration of basic biologic principals into clinical practice of reproductive medicine. In addition, a program of graduate and post-doctoral training in reproductive biology and endocrinology is pursued through joint appointments at The University of Texas Graduate School of Biomedical Sciences.

Specifically, the Program offers a formal course in the Reproductive System for sophomore medical students, laboratory preceptorships for freshmen, clinical exposure for juniors in the Reproductive Disorders Clinic and an elective in reproductive medicine for seniors. In addition, formal series of conferences and teaching sessions are held for house staff in obstetrics and gynecology, urology and internal medicine.

REPRODUCTIVE BIOLOGY AND REPRODUCTIVE ENDOCRINOLOGY

FACULTY

Program Director: Emil Steinberger, M.D.

Professor: Emil Steinberger, M.D.

Associate Professors: James Lloyd, Sc.D., Keith D. Smith, M.D., Anna Steinberger, Ph.D.

Research Assistant Professors: A.K. Chowdhury, Ph.D., Barbara Sanborn, Ph.D., R.K. Tcholakian, Ph.D.

Adjunct Assistant Professor: James P. Preslock, Ph.D.

Houston Medical School (Continued)TRAINEES

Research Associate: Mridula Chowdhury, Ph.D.

Postdoctoral Fellows: John S.H. Elkington, Ph.D., Robert D. Jones, Ph.D.

Graduate Student: Kantilal H. Thanki

SURGERY

Excellence in patient care, clinical training and basic and applied research is the objective of the Program in Surgery. An intensive five and one-half week course of lectures, seminars, conferences, rounds, laboratory experiences and clinical responsibilities are required for all students. Those who elect a surgical track are offered a wide variety of electives in clinical and laboratory surgery and the surgical specialties. Emphasis is placed upon providing the student a broad experience in the principles and practice of elective clinical surgery, surgical nutrition and metabolism, intensive care, management of trauma and surgically-oriented basic research. A wide variety of electives are available and will be tailored to the needs and interests of the individual. Clinical and laboratory facilities of the Hermann, M.D. Anderson, St. Joseph and Center Pavilion Hospitals and the Freeman Building are used for teaching and research purposes.

SURGERY

FACULTY

Program Director: Stanley J. Dudrick, M.D.

Professors: Walter J. Burdette, M.D., R. Lee Clark, M.D., Murray M. Copeland, M.D., William S. Derrick, M.D., Stanley J. Dudrick, M.D., James H. Duke, Jr., M.D., Robert C. Hickey, M.D., Felix N. Rutledge, M.D., Edgar C. White, M.D.

Associate Professors: Alando J. Ballantyne, M.D., Edward M. Copeland, M.D., Richard H. Jesse, M.D., Douglas E. Johnson, M.D., Richard G. Martin, M.D., Charles M. McBride, M.D., Clifton F. Mountain, M.D., Marvin M. Romsdahl, M.D., Julian P. Smith, M.D.

Assistant Professors: Oscar M. Guillamondegui, M.D., Marion J. McMurtrey, M.D., James T. Wharton, M.D.

Instructor: John C. Bowen, M.D.

Clinical Professor: Everett B. Lewis, M.D.

Clinical Associates:

Luke W. Able, M.D., John M. Bardwil, M.D., J. Peyton Barnes, M.D., Hiram L. Brockman, M.D., Benjy F. Brooks, M.D., George D. Broyles, Jr., M.D., Charles D. Chamberlain, M.D., James A. Chamberlin, M.D., N.P. Collins, M.D., Frank R. Denman, M.D., Ramon F. Diaz, M.D., Gerald S. Dowdy, M.D., Walter J. Fagan, M.D., William C. Fisher, M.D., John G. Fries, M.D., Richard Geis, M.D., Henry G. Glass, M.D., Louis H. Green, M.D., Franklin J. Harberg, M.D., H.F. Hermida, M.D., Henry B. Holle, M.D., P.W. James, M.D., John C. Kennedy, M.D., F.B. Kessler, M.D., Alfred E. Knoll, M.D., Samuel W. Law, M.D., Richard H. Lynch, M.D., Wayne J. Matzelle, M.D., Jack H. Mayfield, M.D., John H. Meador, M.D., John L.

Houston Medical School (Continued)

Perry, M.D., Kenton R. Phelps, M.D., Harry E. Preble, M.D., Hector A. Rodriguez, M.D., Horace T. Robbins, M.D., Terry A. Sanderson, M.D., Martin F. Scheid, M.D., William D. Seybold, M.D., Kamal S. Sheena, M.D., Malcolm F. Sher, M.D., Burt B. Smith, M.D., L.L.D. Tuttle, Jr., M.D., James R. Whitehurst, M.D.

TRAINEES

Residents: H. Randolph Bailey, M.D., George E. Griffin, M.D., Thomas N. Holsomback, M.D., Michael V. Kelly, M.D., Thomas J. Lawhon, M.D., Bruce V. MacFadyen, Jr., M.D., George M. McDonald, M.D., Laurens R. Pickard, M.D., Kenneth W. Smith, M.D., Philip R. Somers, Jr., M.D., Eduardo Souchon, M.D.

DIF

GIFTS: Approval is requested for the acceptance of the following gifts.

Houston Medical School

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. *Houston Endowment, Inc. 224 Bankers Mortgage Building Houston, Texas 77052 Mr. J. H. Creekmore, President	To assist in the renovation of the third floor of the Shriners Hospital for Crip- pled Children for the purpose of providing headquarters for the Clinical Genetics Unit of the Houston Medical School.	\$ 60,000.00
2. The Hoffmann-LaRoche Foundation Box 278 Nutley, New Jersey 07110 Mr. Robert B. Clark, Trustee	To support the Medical School Program in Pharmacology.	\$ 10,000.00

Houston G. S. B. S.

1. The Institute of Ophthalmology Texas Medical Center 1700 Holcombe Blvd. Suite 800 Houston, Texas 77025 Louis J. Girard, M.D., Executive Director	To support eye research being conducted under the direction of Harry Sperling, Ph.D., Professor and Direc- tor of the Department of Neural Sciences.	\$ 15,000.00
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* No letter of transmittal received from the donor.

PURCHASE FROM UNIVERSITY EMPLOYEE: Authorization is requested for the fol-
lowing purchase from a University employee which has been recommended by
the Institutional head and approved by the Chancellor.

Houston Medical School

1. The purchase for \$3,000.00, of a bound collection of journals for the
Program in Physiology of the Houston Medical School, from Dr. Edwin L.
Smith, Professor of Physiology, Houston Dental Branch, as follows:

<u>American Journal of Physiology</u>	-- the past 25 years to date
<u>Proceedings of the Society for Experi- mental Biology and Medicine</u>	-- the past 25 years to date
<u>Physiological Reviews</u>	-- the past 25 years to date
<u>Journal of Applied Physiology</u>	-- the past 20 years to date
<u>Federation Proceedings</u>	-- the past 20 years to date

The price of \$3,000.00, is considered to be reasonable in view of the fact
that if such a collection were available from commercial sources (and, in
fact, many of the issues are not available), the price with many unbound
volumes would be \$3,300.00. The collection was priced by the staff of the
Houston Academy of Medicine -- Texas Medical Center Library. Funds for
the purchase of these bound volumes are present in the budget of the Pro-
gram of Physiology of the Houston Medical School for the current fiscal
year.

REVISION TO THE 1972-73 PERSONNEL PAY PLAN: Approval is respectfully requested for the addition of the following job title to the Pay Plan at Houston for the Fiscal Year 1972-73 and to the Houston Health Science Center Pay Plan beginning in the Fiscal Year 1973-74.

Code	Title	Salary Range	
		Monthly	Annually
9005	Administrative Services Officer	\$972-1,282	\$11,664-15,384

USE OF TEXTBOOKS WRITTEN BY FACULTY MEMBERS: Approval is requested for the following faculty-authored laboratory manuals and texts to be sold to students for use as textbooks during the 1973-74 school year, with no royalty to the authors. Such action has been recommended by the Institutional head and approved by the Vice Chancellor for Health Affairs.

Houston Dental Branch

Title	Author	**Cost to Student
1. Complete Denture Prosthesis Manual	Heinz O. Beck	\$4.46
2. Removable Partial Denture Prosthesis	Heinz O. Beck	\$4.46
3. Dissectional Manual - Graduate Anatomy	Henry C. Browning	\$7.35
4. Manual of Dissectional Human Anatomy	Henry C. Browning	\$5.00
5. *A Pre-Clinical Manual of Operative Dentistry	Kenneth H. Porter	\$4.20
6. Manual of Endodontics	Martin Cattoni	\$5.00
7. Manual of Periodontics	Martin Cattoni	\$6.30
8. Dental Materials for the Dental Hygienist	Erbert W. D'Anton	\$7.35
9. Manual of Dental Materials	Erbert W. D'Anton	\$7.50
10. Ceramics - Porcelain Fused to Gold	Russell S. Dunkin	\$1.05
11. Occlusion - A Teaching Manual	Niles F. Guichet	\$3.68
12. Procedures for Occlusal Treatment - A Teaching Atlas	Niles F. Guichet	\$6.30
13. Preventive Dentistry Manual	Richard E. Jennings	\$8.40
14. RX Writing	Donald C. Kroeger	\$3.15
15. Chapter 11 - Nutritional Basis for Oral Health	Kenneth O. Madsen	\$1.25
16. *Physiology Laboratory Manual	Max O. Hutchins	\$4.20
17. Experiments in Microbiology for Dental Hygienists	William A. Nolte	\$4.73
18. Maxillofacial Prosthesis	Varoujan Tchalian	\$3.15
19. Scaling and Root Planning	Martin Cattoni	\$3.15

* Approval is being requested for the first time.

** Tax Included

Approval is also requested for the following faculty-authored textbooks to be sold to students for use during the 1973-74 school year, with royalties to the authors as indicated. Such action has been recommended by the Institutional head and approved by the Vice Chancellor for Health Affairs.

Title	Author	Cost	Royalty Per Vol. Per Author
Dental Biochemistry, 1st Ed.	Eugene P. Lazzari	\$ 8.50	\$.085
Educating the Patient in the Prevention of Dental Disease	Louis P. DiOrio Kenneth O. Madsen Betty A. Stratemann Mickey J. Stovall	\$ 3.00	No Royalty for Dental Branch Sales

Houston Dental Branch (Continued)

Title	Author	Cost	Royalty Per Vol. Per Author
Oral Microbiology, 2nd Ed.	William A. Nolte & Contributors	\$18.00	\$.92
Oral Pathology, 2nd Ed.	Shafer, Hine and Levy	\$18.00	\$.36

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is respectfully requested for the following grants and agreements:

Houston Medical School

1. Lease Agreement UMH-4745L - Houston, between The University of Texas Medical School at Houston and Hermann Hospital, wherein the Houston Medical School provides \$2,400.00, per month, as rent for the leasing of approximately 4,000 sq. ft. of laboratory-office space in the Cullen Pavilion Building for the period April 1, 1973, through August 31, 1975, for use by the Department of Medicine. The lease agreement was signed on behalf of The University of Texas Medical School at Houston by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System, and was approved by the State Board of Control on April 10, 1973.

2. Grant by which the American Medical Association Education and Research Foundation provides \$52,578.75, for the period May 1, 1973, through April 30, 1975, for continued support of research entitled, "Effects of Nicotine on the Gastric Mucosal Circulation," directed by Eugene D. Jacobson, M.D., Professor and Director of the Program in Physiology.

Houston Dental Branch

1. Grant and agreement by which the Warner-Lambert Company provides \$7,500.00, for the period January 1, 1973, to December 31, 1973, for support of dental research studies primarily involving American Chicle products. This project is to be directed by Dr. Ira L. Shannon, Clinical Associate Professor, Department of Physiology (Biological Chemistry).

Public Health School

1. Grant by which The Hogg Foundation for Mental Health provides \$1,600.00, for the period May 1, 1973, through April 30, 1974, to support a pilot study which will examine and compare demographic, social, psychological and other variables related to scientific health concepts and practices among the Mexican-American population in Houston. This project is to be directed by David W. Martin, Ph.D., Professor in the Department of Urban Health, and George M. Walker, Ph.D., Professor in the Department of International Health.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)
Board of Regents' Meeting July 27, 1973D
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Approval is respectfully requested for the acceptance of the following grants and contract.

Houston Medical School

1. Grant No. 5 T01 NS10080-02, by which the Department of Health, Education and Welfare, National Institutes of Neurological Diseases and Stroke, provides \$29,906.00, for the period July 1, 1973, through June 30, 1974, for the continued development of a Graduate Training Program in the Neurological Sciences, directed by Dr. William S. Fields, Professor in the Program of Neurology. The majority of expenditures from this grant will be made in Harris County.
2. Grant No. 1 R01 CA14821-01, by which the Department of Health, Education and Welfare, National Cancer Institute, provides \$39,415.00, plus indirect costs, for the period June 1, 1973, through May 31, 1974, for the support of research entitled, "Steroid Hormone Control of Tumor Cell Growth in vitro," to be directed by Dr. David A. Sirbasku, Assistant Professor in the Program of Biochemistry and Molecular Biology. The goal of the work is to understand the role of steroid hormones in control of tumor cell growth in culture. The majority of expenditures from this grant will be made in Harris County.
3. Grant No. 1 R01 AM16305-01, by which the Department of Health, Education and Welfare, National Institute of Arthritis, Metabolism and Digestive Diseases, provides \$18,285.00, plus indirect costs, for the period June 1, 1973, through May 31, 1974, for support of "Studies on the Control of Esophageal Peristalsis," to be directed by Dr. Norman W. Weisbrodt, Instructor in the Program of Physiology. The objective of this study is to test the hypothesis that the peristaltic nature of contractions in the esophagus is controlled by the intrinsic nerves and muscle at each level of the organ. The majority of expenditures from this grant will be made in Harris County.
4. Grant No. 3 R01 NS10326-01S2, by which the Department of Health, Education and Welfare, National Institute of Neurological Diseases and Stroke, provides \$14,194.00, plus indirect costs, for the period May 1, 1973, through August 31, 1973, for continued support of "Cytochemical Investigations of Adrenergic Neurons," directed by Dr. Joe G. Wood, Professor and Director of the Program in Neurostructure and Function. The long-range goal of this work is to further the knowledge of biogenic amine storage and release in the central nervous system, the autonomic nervous system and the adrenal medulla, utilizing cytochemical and biochemical techniques. The majority of expenditures from this grant will be made in Harris County.
5. Grant No. 1 R01 GM20478-01, by which the Department of Health, Education and Welfare, National Institute of General Medical Sciences, provides \$25,600.00, plus indirect costs, for the period June 15, 1973, through May 31, 1974, for the support of research entitled, "Structure and Function of Membrane Proteins," to be directed by Dr. William Dowhan, Assistant Professor in the Program of Biochemistry and Molecular Biology. The goal of the work is to elucidate membrane structure as well as understand how membrane components are organized into functional complexes in order to gain an understanding of cell membrane processes. The majority of expenditures from this grant will be made in Harris County.
6. Grant No. 2 R01 GM19511-02, by which the Department of Health, Education and Welfare, National Institute of General Medical Sciences, provides \$45,700.00, plus indirect costs, for the period June 1, 1973, through May 31, 1974, for the support of research entitled, "Assembly of a Membrane-Bound Multi-Enzyme Complex, to be directed by Dr. John A. DeMoss, Professor

Houston Medical School (Continued)

and Director of the Program in Biochemistry and Molecular Biology. The long range objectives of this work are to elucidate the genetic control and biochemical events involved in the biogenesis of a multienzyme system which is functionally organized in the cytoplasmic membrane. The majority of expenditures from this grant will be made in Harris County.

7. Amendment No. 2 to Grant No. GB-31578, by which the National Science Foundation extends the expiration date of the grant to October 31, 1973, without additional funds. The grant supports a project entitled, "Studies on the Structure, Function, and Assembly of Protein Aggregates in the Tryptophan Pathway," directed by Dr. John A. DeMoss, Professor and Director of the Program in Biochemistry and Molecular Biology.

8. Revision to Grant No. 5 R01 HL 12953-03, by which the Department of Health, Education and Welfare, National Heart and Lung Institute, provides \$139,387.00, for the period June 1, 1971, through May 31, 1974, for continued support of a project entitled, "Extracranial Arterial Occlusion -- Central Registry," directed by Dr. William S. Fields, Professor in the Program of Neurology. The Central Registry at Houston has been the repository of all data collected on Extracranial Arterial Occlusion patients in 24 participating institutions. The goal of the project during this its terminal year is to complete a definitive publication in the form of a monograph. The majority of the expenditures from this grant are being made in Harris County.

Houston G. S. B. S.

1. Modification No. 3 to Contract AT-(40-1)-4024, by which the United States Atomic Energy Commission provides \$7,710.00, for the period February 1, 1973, through June 30, 1973, for the continued support of research entitled, "The Effect of Radiation-Sensitive Mutations and Radiation on Recombination in Partially Diploid Derivatives of *Escherichia coli*," directed by Dr. Alfred G. Knudson, Jr., Dean, Acting Principal Investigator in the absence of Dr. Thomas S. Matney, Principal Investigator. A goal of this effort is to see if the enzymes responsible for the excision of UV-induced thymine dimers and involved in recognizing the correcting molecular distortions caused by base mispairings in recombinant hetero-duplex DNA, are also active in other bacterial recombinations, eg. transduction and Hfr x F₋ crosses. The majority of expenditures from this contract will be made in Harris County.

2. Grant No. 1 R01 HL15614-01 EDC, by which the Department of Health, Education and Welfare, National Heart and Lung Institute, provides \$144,023.00, plus indirect costs, for the period June 1, 1973, through May 31, 1974, for the support of research entitled, "Heredity and Oxygen: Effects on Health of Heart-Lungs," to be directed by Dr. William J. Schull, Director, Center for Demographic and Population Genetics. The aim of this work is to evaluate the effects of environmental differences, particularly oxygen tension, upon pulmonary function, cardio-pulmonary relationships, and degenerative cardiac disease, such as arteriosclerosis, in the Aymara, a group of genetically relatively homogeneous indigenes of Chile. The majority of expenditures from this grant will be made in Harris County.

Public Health School

1. Grant No. 5 T01 HL05988-02, by which the Department of Health, Education and Welfare, National Heart and Lung Institute, provides \$19,380.00, for the period July 1, 1973, through September 30, 1974, for the continued support of Graduate Biometry Training for Cardiovascular Research, directed by Richard D. Remington, Ph.D., Associate Dean and Professor in the Department of Biometry. The majority of expenditures from this grant will be made in Harris County.

Public Health School (Continued)

2. Research Fellowship Award No. 5 F03 HS52710-02, by which the Department of Health, Education and Welfare, National Center for Health Services Research and Development, provides a \$1,000.00 Supply Allowance for the period March 1, 1973, through February 28, 1974, to support the research studies in health services of Mr. Andrew B. James, who is under the sponsorship of Ralph F. Frankowski, Ph.D., in the Department of Community Health Services. The majority of expenditures from this fellowship will be made in Harris County.
3. Grant No. 5 K02 HS16403-03 HST, by which the Department of Health, Education and Welfare, National Center for Health Services Research and Development, provides \$28,136.00, for the period July 1, 1973, through June 30, 1974, for the continued support of research entitled, "Quantitative Methods in Health Services Research," directed by Jay H. Glasser, Ph.D., Associate Professor in the Program of Biometry. Research is being conducted in the following areas: health information systems, experimental designs and analytic techniques, evaluation of health service systems, and stochastic models related to health services. The majority of expenditures from this grant will be made in Harris County.
4. Grant No. 5 T01 HS00067-03 HST, by which the Department of Health, Education and Welfare, National Center for Health Services Research and Development, provides \$61,464.00, for the period July 1, 1973, through June 30, 1974, for the continued support of "Biostatistics," a program offering graduate education in biometry and epidemiology with special emphasis on health services research, directed by Richard D. Remington, Ph.D., Associate Dean and Professor in the Department of Biometry. The majority of expenditures from this grant will be made in Harris County.
5. Grant No. 5 D04 AH01207-02 PHR, by which the Department of Health, Education and Welfare, Bureau of Health Manpower Education, provides \$40,598.00, for the period September 1, 1973, through August 31, 1974, for the continued support of a "Summer Session of Statistics in the Health Sciences," directed by Richard D. Remington, Ph.D., Associate Dean and Professor in the Department of Biometry. The majority of expenditures from this grant will be made in Harris County.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

Amendments to the 1972-73 Operating Budgets
Board of Regents' Meeting July 27, 1973

Approval is respectfully requested for the following amendments to the 1972-73 budgets.

Houston Medical SchoolAnesthesiology

1. Appoint L. F. Schuhmacher, Jr. (non-tenure) as Clinical Professor in the Medical School Program in Anesthesiology, without salary, effective March 1, 1973. (RBC-95)

Biomedical Communications

2. Appoint Ronald B. Harrist (non-tenure) as Assistant Professor in the Medical School Program in Biomedical Communications, without salary, effective May 1, 1973. (RBC-86)

Central Learning Resources

3. Transfer \$8,239.00, from Medical School Department of Library Maintenance and Operation to Department of Central Learning Resources Maintenance and Operation. This transfer is requested to sustain the level of operation being experienced in Central Learning Resources. (RBC-121)

Dermatology

4. Appoint John E. Wolf, Jr. (non-tenure) as Clinical Associate in the Medical School Program in Dermatology, without salary, effective April 1, 1973. (RBC-123)

Family Practice

5. Appoint Robert F. Ezell (non-tenure) as Assistant Professor in the Medical School Program in Family Practice, part-time (50%), at an annual salary rate of \$25,000.00, effective June 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-127)

Infectious Diseases

6. Appoint Herbert L. DuPont (non-tenure) as Professor and Director of the Medical School Program in Infectious Diseases at an annual salary rate of \$36,000.00, effective April 15, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-87)

Internal Medicine

7. Change the status of David K. Brooks (non-tenure), Clinical Associate Professor in the Medical School Program in Internal Medicine - General, from part-time (60%) at an annual salary rate of \$16,800.00, to part-time without salary, effective March 15, 1973. (RBC-97)

8. Change the status of Harold L. Dobson (non-tenure), Clinical Associate Professor in the Medical School Program in Internal Medicine - General, from part-time without salary to part-time (54%) at an annual salary rate of \$33,350.00, effective July 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-98)

9. Appoint Paul M. Stevens (non-tenure) as Adjunct Associate Professor in the Medical School Program in Internal Medicine - General, for the period April 15, 1973, through May 15, 1973, at an annual salary rate of \$24,000.00. Funds needed are to come from departmental Faculty Salaries. (RBC-99)

Houston Medical School (Continued)Internal Medicine (Continued)

10. Appoint Robert J. Adolph (non-tenure) as Visiting Professor in the Medical School Program in Internal Medicine - General, for the period March 30, 1973, through April 14, 1973, at an annual salary rate of \$34,000.00. Funds needed are to come from departmental Faculty Salaries. (RBC-100)
11. Appoint James C. Thomas (non-tenure) as Instructor in the Medical School Program in Internal Medicine - General, at an annual salary rate of \$18,000.00, effective July 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-101)
12. Appoint George R. Blumenschein (non-tenure) as Assistant Professor in the Medical School Program of Internal Medicine - General, part-time (28%), at an annual salary rate of \$29,000.00, effective January 26, 1973. Funds needed are to come from Medical School Unallocated Appropriations Instructional-Faculty Salaries. (RBC-103)
13. Appoint the following physicians (non-tenure) as Clinical Associates in the Medical School Program in Internal Medicine - General, without salary, effective March 1, 1973. (RBC-104)
- Richard H. Barrick
Samuel F. Boushy
Christy S. Hebert
14. Appoint Sidney Schnur (non-tenure) as Clinical Professor in the Medical School Program in Internal Medicine - General, without salary, effective April 1, 1973. (RBC-115)
15. Appoint Martin J. Hrgovic (non-tenure) as Clinical Associate in the Medical School Program in Internal Medicine - General, without salary, effective April 1, 1973. (RBC-118)
16. Appoint H. W. Paley as Visiting Professor in the Medical School Program in Internal Medicine - General for the period April 15, 1973, through April 21, 1973, at an annual salary rate of \$34,000.00. Funds needed are to come from departmental Faculty Salaries. (RBC-119)
17. Appoint Howard M. Sussman (non-tenure) as Clinical Associate in the Medical School Program of Internal Medicine - General, without salary, effective April 1, 1973. (RBC-124)
18. Appoint T. David Bedner (non-tenure) as Clinical Associate in the Medical School Program in Internal Medicine - General, without salary, effective April 1, 1973. (RBC-128)
19. Appoint Jim E. Russell (non-tenure) as Clinical Associate in the Medical School Program in Internal Medicine - General, without salary, effective April 1, 1973. (RBC-129)
20. Appoint Evan Fletcher (non-tenure) as Visiting Professor in the Medical School Program in Internal Medicine - Cardiology at an annual salary rate of \$34,000.00, effective July 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-113)
21. Appoint Joel L. Moake (non-tenure) as Associate Professor in the Medical School Program in Internal Medicine - Hematology, at an annual salary rate of \$30,000.00, effective June 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-102)
22. Appoint Said A. Assaf (non-tenure) as Associate Professor in the Medical School Program in Internal Medicine - Hematology, at an annual salary rate of \$28,000.00, effective May 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-126)

Houston Medical School (Continued)Library Sciences

23. Appoint the individuals listed below (non-tenure) to the positions indicated in the Medical School Program in Library Sciences, without salary, effective April 1, 1973. (RBC-114)

Associate Professor

Richard A. Lyders

Assistant Professor

Laura K. Osborn
Jean P. Collier
Dottie Eakin
Thomas D. Higdon

Instructor

Charles W. Haney
Keith W. Russell
Evelyn M. Bedard
Vicki L. Glasgow
Pamela A. Smith
Elizabeth White

Neurology

24. Appoint Ronald B. Harrist (non-tenure) as Research Assistant Professor of Biometry in the Medical School Program in Neurology, part-time (50%), at an annual salary rate of \$17,000.00, effective May 1, 1973. Funds needed are to come from HEW Research Grant No. 1-R01-HL14340-01A1. (RBC-85)

Obstetrics and Gynecology

25. Appoint Michael S. Baggish (non-tenure) as Assistant Professor in the Medical School Program in Obstetrics and Gynecology, part-time (25%), at an annual salary rate of \$32,000.00, effective June 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-92)

26. Appoint the following physicians (non-tenure) as Clinical Associates in the Medical School Program in Obstetrics and Gynecology, without salary, effective September 1, 1972. (RBC-93)

Hans P. Altinger
Hiram P. Arnold
Mario Biondo
Bobby J. Boyd
Melville L. Cody
R. Vernon Colpitts
John K. Cox
Bhaguanti Das
William J. Estrada
Arthur M. Faris, Sr.
Robert R. Franklin
Robert H. Friedman
Hermann L. Gardner
Thomas Gready, Jr.
Harry M. Hageney
Carlos R. Hamilton
Dixie G. Hamilton, Jr.
Loren W. Haus
Ronald Jones Helman
B. Tucker Hollins
George E. Hug
Angel Inglesia
William R. Knight, III
Joseph S. Lattimore
Alfred E. Lauden
Anthony P. Lucci
Mary L. Magee
Robert W. Maniha
Jerry C. Marcontell
Val C. Mascio

Henry L. McClanahan
Mary Ann McKinney
Maurice J. Maynier, Jr.
Larry Myers
Dudley Y. Oldham
Donald M. Paton
Levi del Rosario
Joseph P. Salerno
Otto F. Schoenvogel
Bobby J. Simpson
P. W. Smith
Saul W. Soffar
Joseph L. Spezia
M. D. Stevenson
Matthew H. Talty
So-Khim Tan Chiu
Douglas Thibodeaux
Stephen Thomas
Nathan H. Topek
Kenneth C. von Pohle
John A. Wall
Richard D. Weilburg
Orian C. Westbrook, Jr.
Dezra White
Leslie E. Whitlock
Carlton E. Wolters
Ronald B. Wright
Alan D. Rosen
Arthur Monroe Faris, Jr.

Houston Medical School (Continued)Obstetrics and Gynecology (Continued)

27. Transfer \$1,500.00 from Medical School Program in Obstetrics and Gynecology Classified Salaries to Travel. This transfer is requested to provide the funds necessary to continue the recruiting activities in the Program in Obstetrics and Gynecology. (RBC-130)

Ophthalmology

28. Appoint Charles A. Garcia (non-tenure) as Instructor in the Medical School Program in Ophthalmology, part-time (50%), at an annual salary rate of \$18,000.00, effective July 1, 1973. Funds needed are to come from Medical School Unallocated Appropriations Instructional - Faculty Salaries. (RBC-94)

Orthopedics

29. Appoint the following physicians (non-tenure) to the positions indicated in the Medical School Program in Orthopedics, without salary, effective January 1, 1973. (RBC-105)

Clinical Professor

Joe W. King

Clinical Associate Professor

Thomas O. Moore
A. Ross Davis
Richard DeYoung
Richard H. Eppright
Leroy W. Hanson
Arthur M. Jansa
Paul R. Harrington
James K. Pevey
Thomas O. Shindler
Charles T. Stephenson

Clinical Assistant Professor

Charles E. Baker
Billie D. Burdeaux, Jr.
Jesse H. Dickson
William R. Hampton
Roland D. Jackson
Donald T. Lazarz
Thomas E. Cain
Rufus Stanley
A. E. Brodsky
W. Malcolm Granberry
Robert L. Brownhill

Clinical Assistant Professor

Jack Southern
John A. Murray
Page W. Nelson
Myer Stumer
Hugh S. Tullos
Henry D. Wilde, Jr.
Byron P. York, Jr.

Clinical Instructors

Frank L. Barnes, II
James E. Butler, III
Cecil M. Christensen
John K. Dozier, Jr.
Thomas D. Franklin
Gary C. Freeman
Lee C. Detenbeck
Michael J. Epstein
William L. Hand
Sherwin J. Siff
G. R. Kaestner
John F. McCluskey
Charles L. McCollum
Grant R. McKeever
William J. Rylee

Pathology

30. Appoint Frank O. Bastian (non-tenure) as Adjunct Assistant Professor in the Medical School Program in Pathology, part-time (4%), at an annual salary rate of \$25,000.00, effective March 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-106)

31. Transfer \$5,000.00 from the Medical School Program in Pathology Classified Salaries to Pathology Maintenance and Operation. This transfer is requested to provide adequate funds for continued operation of the Program in Pathology. (RBC-120)

Houston Medical School (Continued)Pathology (Continued)

32. Appoint Alan Broughton (non-tenure) as Associate Professor in the Medical School Program in Pathology at an annual salary rate of \$32,000.00, effective August 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-125)

Pediatrics

33. Appoint Leonard S. Hoffman (non-tenure) as Clinical Assistant Professor in the Medical School Program in Pediatrics, without salary, effective March 1, 1973. (RBC-107)

34. Appoint Eugene W. Adcock, III (non-tenure) as Assistant Professor in the Medical School Program in Pediatrics at an annual salary rate of \$25,000.00, effective July 15, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-108)

35. Appoint Frank H. Morriss, Jr. (non-tenure) as Assistant Professor in the Medical School Program in Pediatrics at an annual salary rate of \$25,000.00, effective June 15, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-109)

Pharmacology

36. Appoint W. Joseph Thompson (non-tenure) as Assistant Professor in the Medical School Program in Pharmacology at an annual salary rate of \$17,500.00, effective April 1, 1973. Funds needed are to come from the Pharmacology Faith Foundation Grant. (RBC-88)

37. Appoint Srinivasa B. Achar (non-tenure) as Research Associate in the Medical School Program in Pharmacology at an annual salary rate of \$12,500.00, effective April 1, 1973. Funds needed are to come from the Pharmacology Faith Foundation Grant. (RBC-89)

38. Appoint Warren J. Pledger (non-tenure) as Research Associate in the Medical School Program in Pharmacology at an annual salary rate of \$9,500.00, effective February 15, 1973. Funds needed are to come from the Pharmacology Faith Foundation Grant. (RBC-90)

Physiology

39. Appoint David S. Mailman (non-tenure) as Adjunct Associate Professor in the Medical School Program in Physiology, without salary, effective March 1, 1973. (RBC-91)

40. Appoint John C. Bowen (non-tenure) as Instructor in the Medical School Program in Physiology, part-time (50%), at an annual salary rate of \$18,000.00, effective June 21, 1973. Funds needed are to come from departmental Faculty Salaries. Dr. Bowen is also appointed as Instructor, part-time (50%), in the Medical School Program in Surgery. (See RBC-132) (RBC-131)

Psychiatry

41. Appoint Robert W. Guynn (non-tenure) as Assistant Professor in the Medical School Program in Psychiatry at an annual salary rate of \$26,000.00, effective April 15, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-110)

42. Appoint Thomas A. Wittkopp (non-tenure) as Assistant Professor in the Medical School Program in Psychiatry at an annual salary rate of \$26,000.00, effective June 15, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-116)

Houston Medical School (Continued)Psychiatry (Continued)

43. Appoint James C. Heald (non-tenure) as Clinical Assistant Professor in the Medical School Program in Psychiatry, without salary, effective April 1, 1973. (RBC-117)

Radiotherapy

44. Appoint the following physicians (non-tenure) to the positions indicated in the Medical School Program in Radiotherapy, without salary, effective January 1, 1973. (RBC-111)

Professor and Director

Gilbert H. Fletcher

Professor

Norah DuV. Tapley
H. Rodney Withers

Associate Professor

Lillian M. Fuller
Luis Delclos
David H. Hussey
Robert D. Lindberg

Associate Professor

Eleanor D. Montague
Lowell S. Miller

Assistant Professor

Thomas H. Barkley, Jr.
Alvah J. Nelson, III

Clinical Associate

Augusto E. Gutierrez

Reproductive Biology and Reproductive Endocrinology

45. Appoint Berndt Kjessler (non-tenure) as Visiting Professor in the Medical School Program in Reproductive Biology and Reproductive Endocrinology without salary, effective April 1, 1973, through May 31, 1973. (RBC-133)

Surgery

46. Appoint John C. Bowen (non-tenure) as Instructor in the Medical School Program in Surgery - General, part-time (50%), at an annual salary rate of \$18,000.00, effective June 21, 1973. Funds needed are to come from departmental Faculty Salaries. Dr. Bowen is also appointed as Instructor, part-time (50%), in the Medical School Program in Physiology. (See RBC-131) (RBC-132)

47. Appoint J. Martin Barrash (non-tenure) as Clinical Instructor in the Medical School Program in Surgery - Neurosurgery, without salary, effective September 1, 1972. (RBC-112)

Houston Dental BranchOffice of Student Affairs

1. Transfer \$500.00 from Dental Branch Unallocated Travel to Dental Branch Office of Student Affairs - Travel. This transfer is to provide funds necessary for the balance of fiscal year 1972-73. (RBC-60)

Building Maintenance

2. Transfer \$10,000.00 from Dental Branch Unallocated Maintenance, Operation and Equipment to Dental Branch Building Maintenance - Equipment. This transfer is to provide funds for the balance of fiscal year 1972-73. (RBC-61)

Campus Security

3. Transfer \$26,520.00, from Dental Branch Campus Security - Classified Salaries to Dental Branch Campus Security - Maintenance and Operation. This transfer is to provide funds for payment to M. D. Anderson Hospital for campus security services. (RBC-62)

Houston Dental Branch (Continued)General Practice

4. Appoint Michael A. Brown (non-tenure) as Assistant Professor in the Dental Branch Department of General Practice at an annual salary rate of \$19,000.00, effective August 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-63)

Medicine - Periodontics

5. Appoint Paul B. Robertson (non-tenure) as Assistant Professor in the Dental Branch Department of Medicine - Periodontics at an annual salary rate of \$24,000.00, effective July 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-64)

6. Appoint Alton M. Brown (non-tenure) as Assistant Professor in the Dental Branch Department of Medicine - Periodontics at an annual salary rate of \$17,000.00, effective June 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-68)

Preventive Dentistry - Pedodontics

7. Appoint Craig K. Brown (non-tenure) as Assistant Professor in the Dental Branch Department of Preventive Dentistry - Pedodontics at an annual salary rate of \$17,000.00, (\$15,300.00 General Budget and \$1,700.00 Texas Children's Hospital Fund), effective July 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries and Texas Children's Hospital Fund. (RBC-65)

Surgery

8. Appoint Paul H. McFarland, Jr. (non-tenure) as Associate Professor in the Dental Branch Department of Surgery at an annual salary rate of \$23,000.00, effective August 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-66)

Public Health SchoolHealth Services Administration

1. Accept the resignation of Kate C. Smith, M.P.H. (non-tenure) as Research Associate, part-time (50%), at an annual salary rate of \$9,000.00, from Contract NIH-71-4063, in the Public Health School, Department of Health Services Administration, effective April 20, 1973. (See RBC-104) (RBC-117)

Population Studies

2. Appoint Anthony B. Way, M.D., Ph.D., (non-tenure) as Postdoctorate Fellow in the Public Health School Population Studies Module, without salary, effective June 1, 1973.

Speech and Hearing InstituteOffice of the Director

1. Change the title of Dr. Tina Bangs from Acting Director to Director of the Speech and Hearing Institute, effective August 1, 1973.

Houston Health Science Center
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
<u>Houston Medical School</u>				
701-146	Phase II Facilities		Legislative Appropriation TRB	\$ 6,000,000.00 20,692,643.00
<u>Houston Dental School</u>				
702-286	Repair & Rehabilitation Projects		Local Funds	215,000.00
702-287	Animal Facility		PUF	400,000.00
<u>Public Health School</u>				
705-144	Building II		PUF Federal Grant	2,568,559.38 6,800,000.00

Legend:

(TRB) Tuition Revenue Bond Proceeds
 (PUF) Permanent University Fund Bond Proceeds

June 20, 1973

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Dr. LeMaistre:

The enclosed docket for The University of Texas Health Science Center at San Antonio is submitted for your approval and presentation to the Board of Regents at its next meeting on July 27, 1973. This docket contains 15 pages.

Sincerely yours,

A handwritten signature in cursive script that reads "Frank Harrison".

Frank Harrison
President

FH:lh

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO

F

TRAVEL FOR FACULTY AND STAFF: The following travel is reported in accordance with Section 13.33 of Chapter III, Part Two of the Regents Rules and Regulations of the Board of Regents for government of The University of Texas System:

San Antonio Medical School

1. Dr. Miguel A. Medina, Assistant Professor of Pharmacology, September 1, 1973 to November 30, 1973 to Lima, Peru to participate in Fulbright Fellowship Program at Cayetano Heredia University, Lima, Peru under auspices of the Commission for Educational Exchange between the United States and Peru. This will involve special work in neurochemistry and biochemical pharmacology which will be of special benefit to the teaching program in pharmacology at the UT Health Science Center at San Antonio

GIFTS: Acceptance is recommended for the following gift which has been received:

Do F

San Antonio Medical School

<u>Donor</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. San Antonio Medical Foundation 1209 NBC Building San Antonio, Texas 78205	To be used to pay a portion of the President's salary for 1973-74	\$14,500.00

F

USE OF TEXTBOOKS WRITTEN BY FACULTY MEMBERS: In accordance with Chapter III, Section 24 of Part One of the Regents Rules and Regulations for the government of The University of Texas System, it is recommended that the following faculty-authored books be approved for use as textbooks for the 1973-74 fiscal year:

San Antonio Medical School

1. Emergency Care and Transportation of the Sick and Injured by The Committee on Injuries, American Academy of Orthopaedic Surgery, Editorial Advisory Board: Dr. Charles A. Rockwood, Jr., Chairman, Dr. J. D. Farrington, Dr. Oscar P. Hampton, Jr., Dr. Walter A. Hoyt, Jr., Dr. Arthur S. McFee, Dr. James D. Ransom, Dr. Sam S. Seeley, Dr. George E. Spencer, Jr. This book sells for \$4.95 with no royalty to the two faculty members.
2. Principles of Surgery by Seymour I. Schwartz, M.D., editor in chief; associate editors: David M. Hume, M.D., Richard C. Lillehie, M.D., Ph.D., G. Thomas Shires, M.D., Frank C. Spencer, M.D., Edward H. Storer, M.D., published by McGraw-Hill Book Company. Dr. J. Bradley Aust, Chairman, Department of Surgery, receives no royalty from this book. In a contract signed in 1965, he received \$7.50 for each text page he contributed. As he was only one, among many contributors, there is no royalty involved.
3. Synopsis of Pediatrics by James G. Hughes, B.A., M.D., author, published by C.V. Mosby Company. Dr. Michael J. Sweeney, Section Head, Renology, and Acting Chairman, Department of Pediatrics, receives a yearly royalty of \$78.00. He was among several contributors to this text.

USE OF TEXTBOOKS WRITTEN BY FACULTY MEMBERS: (continued)San Antonio Medical School (continued)

4. Review of Calculus, Review of Basic Electronics, and Review of Ionizing Radiation by Dr. Gerard J. Celitans, published by National Educational Press. These books will sell for approximately \$2.00 per copy and Dr. Celitans will receive royalties amounting to 10% of net sales income.

San Antonio Dental School

1. Legal Aspects of Dentistry by Sidney L. Miller, D.D.S., M.P.H., author, published by G. P. Putnam Company. This book sells for \$9.00 with no royalty to the author.

D
A
F

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is requested for the following:

San Antonio Medical School

Lederle Laboratories

1. Research Grant
Concentration in Aqueous of Orally Administered Minocin
Dr. Robert H. Poirier
\$2,638.76

Alcon Laboratories, Inc.

2. Drug Study
Clinical Evaluation of Carbahol
Dr. Robert H. Poirier
\$200.00 per case
May, 1973 - February, 1974

American Heart Association

3. Research Grant
Pressure Volume Relationships of Mechanical Alternans
Dr. Robert C. Talley
\$6,591.00
July 1, 1973 - June 30, 1974
4. Research Grant
Estrogen-Mediated Metabolism of SF Triglyceride
Dr. D. J. Kudzma
\$7,142.00
July 1, 1973 - June 30, 1974
5. Research Grant
Changes in Coronary Flow with Right Heart Hypertrophy
Dr. J. B. Norton
\$3,000.00
July 1, 1973 - June 30, 1974

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): (continued)San Antonio Medical School

American Heart Association

6. Research Grant
Ultrastructure of the Cardiac Conduction System in Primates
Dr. G. L. Colborn
\$3,000.00
July 1, 1973 - June 30, 1974
7. Research Grant
Coronary Flow and Myocardial Metabolism with Cardiopulmonary Bypass
Dr. F. L. Grover
\$3,000.00
July 1, 1973 - June 30, 1974
8. Research Grant
The Occurrence and Transport of Free Fatty Alcohols in Blood
Dr. S. J. Friedberg
\$3,000.00
July 1, 1973 - June 30, 1974
9. Research Grant
Effects of Myocardial Ischemia on Left Ventricular Diameter
Dr. V. S. Bishop
\$3,000.00
July 1, 1973 - June 30, 1974
10. Research Grant
The Site of Action of Procainamide in the Dog Heart
Dr. R. N. Schnitzler
\$3,000.00
July 1, 1973 - June 30, 1974
11. Research Grant
Mucopolysaccharide Synthesis in Aortic Explants
Dr. J. S. Ghidoni
\$3,000.00
July 1, 1973 - June 30, 1974

DFF

GRANTS, CONTRACTS AND AGREEMENTS (STATE): Approval is requested for the following:

San Antonio Medical School

The University of Texas at San Antonio

Change in Contract Previously Approved:

1. Interagency Contract (72-73)-577 Amendment No. 1
Reimbursement for Services Rendered and Supplies Furnished
September 1, 1972 - August 31, 1973
Additional funds of \$10,000 - Total \$20,000

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
FEDERAL CONTRACTS AND GRANTS
 July 27, 1973 Meeting

P 17

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL): Approval is requested for the following:

San Antonio Medical School

Department of Health, Education and Welfare

National Institute of Allergy and Infectious Diseases

1. Research Grant 5 RO1 AI10840-02

Histoplasma Ribosomal Fractions as Immunogens

Dr. Robert L. Taylor

Total Award: \$15,358.00

New Money: \$15,358.00

May 1, 1973 - April 30, 1974

Activities, goals, and purposes of grant:

Objectives of this research include the isolation and purification of sub-cellular components of the disease producing fungus, *Histoplasma capsulatum*. These components, particularly ribosomal preparations will be used as vaccines, in animals, to induce increased resistance to histoplasmosis. Long-range goals are the development of a practical vaccine for high-risk personnel.

Other information:

The awarding of this grant permits the continuation of investigations initiated last year.

Expenditure estimates by county:

All Bexar County, Texas

2. Research Grant 5 RO1 AI10241-03

Encystment in Free-Living, Invasive Amoebas

Dr. Robert A. Weisman

Total Award: \$23,679.00

New Money: \$19,841.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

Macromolecular changes during the encystment of free-living amoebas (*Acanthamoeba*) are being studied. Specifically, this involves the role of primers and lipid acceptors in cyst wall synthesis, as well as the role of UDP-glucose pyrophosphorylase and cyclic AMP in the transformation of amoeboid forms to cysts.

Other information:

Similar encystment processes are involved in the life cycle of pathogenic amoebas. It is expected that basic studies of amoeboid encystment will ultimately provide clues to the pathogenesis of human diseases caused by tissue invading free-living amoebas.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

3. Research Grant 5 RO1 AI 10114-03

Mechanisms of Complement Mediated Membrane Damage

Dr. Frederick A. Rommel

Total Award: \$18,290.00

New Money: \$17,711.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

- 1) Purification of the C9 component of Complement protein in bovine serum.
- 2) Measurement conformational changes in membranes induced by antibody, the first 8 Complement components and C9 by electron spin resonance, nuclear magnetic resonance, fluorescent-phosphorescent spectroscopy and electron microscopic observations.
- 3) Develop a new cell model for measuring cytolytic or cytotoxic Complement effects on the membrane and effects of hormones, mitogens, carcinogens, viruses, etc., on the membrane and nuclear activity and cytoplasmic "second" messengers, e.g., cyclic AMP and GMP.

Other information:

Relationship of current award to continuing research is to develop broader capabilities at the cell-molecular level of effects of exogenous stimulators, membrane structure-function relationships, role of measured activities in in vivo immune phenomena.

Expenditure estimates by county:

All Bexar County, Texas

National Institute of Arthritis, Metabolism, & Digestive Diseases

4. Research Grant 5 RO1 AM12950-05

Electron Microscopic Studies of Parietal Cells

Dr. William B. Winborn

Total Award: \$18,000.00

New Money: \$18,000.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

Electron microscopic cytochemical studies will be conducted on the cells of the gastric glands in order to determine the normal physiological and pathological processes of these cells.

Other information:

This is a continuation notification for the second year of a three year grant.

Expenditure estimates by county:

All Bexar County, Texas

5. Research Grant 5 RO1 AM12484-05

Intestinal Resection and Mucosal Metabolism

Dr. Elliot Weser

Total Award: \$27,483.00

New Money: \$27,483.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

- 1) To better understand the adaptive changes in remaining intestine after removal of significant amount of small bowel. Animal experiments provide information relevant to patient with bowel resection.
- 2) To determine if intravenously administered maltose in man is a useful source of calories.

Other information:

The current award is in essence a continuation of Federal support for this project for the past five years.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

National Cancer Institute

6. Research Grant 5 R10 CA12029-03
National Surgical Adjuvant Breast Project

Dr. J. Bradley Aust

Total Award: \$10,042.00

New Money: \$ 2,898.00

May 1, 1973 - April 30, 1974

Activities, goals, and purposes of grant:

To continue participation in the National Surgical Adjuvant Breast Project randomizing the treatment of breast cancer based on whether or not the patients have clinically palpable lymph nodes. Randomization and clinically positive nodes will be accomplished using 2-treatment modalities, that of radical mastectomy and total mastectomy plus radiation. In those patients who are judged to have clinically negative axillary nodes, treatment will be randomized into total mastectomy alone, total mastectomy plus radiation, and radical mastectomy.

Other information:

Hopefully, this Study will answer a lot of controversial questions regarding the treatment of breast carcinoma. It is the intention of this institution to continue entering patients with breast carcinoma into the current Study and also to participate in whatever scientific endeavors that the Breast Cancer Therapy Group may embark upon to help improve the survival figures.

Expenditure estimates by county:

All Bexar County, Texas

Change in Grant Previously Approved:

7. Training Grant 5 T12 CA08069-07
Clinical Cancer Training

Dr. J. Bradley Aust

Reduction in funds to \$65,273.00

No additional time

National Institute of Child Health and Human Development

8. Research Grant 5 RO1 HD04182-05
Adrenergic Pharmacology of Ovum Transport

Dr. Carl J. Pauerstein

Total Award: \$18,672.00

New Money: \$18,672.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

This award allows us to continue our laboratory investigations of the control systems regulating the rate of passage of ova through the rabbit oviduct. The overall goal is to acquire information useful to contraception and treatment of infertility.

Other information:

This grant is a continuation award, supporting the 5th year of our research in this area.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

National Institute of Environmental Health Sciences

9. Research Grant 5 RO1 ES00617-03

Marine Animals: Their Toxins and Complement Systems

Dr. Frederick A. Rommel

Total Award: \$15,334.00

New Money: \$14,888.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

Toxins from marine organisms will be tested for their effects on in vivo and in vitro parameters of the inflammatory response. They will also be tested for their toxicity in mice and their necrotoxicity in rabbits. Hemolymph tissue juice, etc., from marine invertebrates will be tested for Complement and Complement components as well as for some of the biologic activities associated with the Complement system, e.g., chemotactic factor, lysis of erythrocytes sensitized with one or all of the preceding components of Complement and inhibition of vertebrate Complement. The hemolymphs, etc., will also be tested for their agglutinating activity against various species of erythrocytes and their bactericidal effects on several known marine pathogens. The long range goals of this investigation are to elucidate the mechanisms of action of some of the many marine toxins and to determine the mechanisms of immunity/natural-defense of several model marine invertebrate animals, both cellular and humoral activities will be measured.

Other information:

The relationship of the current award to continuing activity in investigating the mechanisms of action of marine toxins and invertebrate immunity are directly related to what was mentioned above. This award has enabled us to initiate long term studies with the hope of finding that certain of the marine toxins evaluated would contain substances which would specifically inactivate or interfere with vertebrate immunity during prolongation of a transplanted organ. In addition, we have been able to examine a larger number of marine invertebrates for humoral substances which may be related to their primitive immunity/natural-defense mechanisms. In the coming years we hope to be able to further clarify this for several model animals such as the Northern lobster, the Littleneck clam, the freshwater crayfish, the saltwater Blue crab. It has also enabled us to study these species in captivity or prolonged periods of time to learn how to maintain them and perhaps even breed them. We have deliberately chosen these model animals because of their potential economic value (greater than 15% of the annual value of edible aquatic harvest) and also because they are easily maintained in aquaria at ambient room temperatures.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

National Institute of General Medical Sciences

10. Research Grant 5 RO1 GM17658-03

Ribosomal Ribonucleic Acids and Their Precursors

Dr. John C. Lee

Total Award: \$17,198.00

New Money: \$15,367.00

May 1, 1973 - April 30, 1974

Activities, goals, and purposes of grant:

The purpose of this grant is to provide salary, supplies and other necessary items for our study towards an understanding of the molecular organization of the ribosome and its biosynthesis.

Other information:

The current award is the third year award of the on-going project.

Expenditure estimates by county:

All Bexar County, Texas

Health Services and Mental Health Administration

Change in Grant Previously Approved:

11. Training Grant 5 TO2 MH11546-05

Undergraduate Psychiatry

Dr. Robert L. Leon

No additional funds

Extension of time to June 30, 1974

Activities, goals, and purposes of grant:

This grant is to aid in the teaching of medical students in psychiatry. It provides personnel costs to expand, scope content, and improve the quality of the psychiatry programs in the second and third years of medical school. Also, it provides stipends for research and teaching fellowships for medical students in psychiatry.

Other information:

The current award is an extension of one year beyond the terminal date of the original five-year award.

Expenditure estimates by county:

All Bexar County, Texas

National Institute of Mental Health

12. Training Grant 5 TO1 MH12701-03

Training Program in Clinical Psychology

Dr. Alvin G. Burstein

Total Award: \$54,171.00

New Money: \$54,171.00

July 1, 1973 - June 30, 1974

Activities, goals, and purposes of grant:

This grant is in support of our residency training program in clinical psychology. This program, which is accredited by the American Psychological Association, provides to students in graduate programs in clinical psychology the one year of skill training which is required. The trainees are active in the Northwest Mental Health Center, where they serve Bexar County Hospital District patients, and in other institutions affiliated with the medical school, such as the Children's Center of San Antonio and the Community Guidance Center. The residents' assignments consist of obtaining supervised experience in psychological testing, psychotherapy, psychological consultation, and other services.

Other information:

Our psychology residency program is currently in its third year of existence, its second year of federal support. Unfortunately, we anticipate that federal support will not be renewed beyond the 1973-74 budget period. However, we do hope to be able to continue this valuable program.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)San Antonio Dental School

Department of Health, Education and Welfare

Region VI, Dallas, Texas

Change in Contract Previously Approved:

1. Purchase Order R6-1040-72 Amendment No. 1
Development of Eight One-Inch Video-Tape Trigger Films on Current Subjects in Dentistry
Dr. Sidney L. Miller
Extension of time to August 20, 1973
No additional funds

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
AMENDMENTS TO THE 1972-73 OPERATING BUDGET
 July 27, 1973 Meeting

REQUESTS FOR BUDGET CHANGE: Approval is requested for the following:

San Antonio Medical School

Anesthesiology

1. Appoint Dr. Edward P. Ward (non-tenure) as Visiting Assistant Professor at an annual salary rate of \$15,000 effective April 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 213)
2. Accept the resignation of Dr. Gordon O. Stafford (non-tenure) as Clinical Assistant Professor (20% time) at an annual salary rate of \$21,000 effective at the close of business May 31, 1973. (RBC 217)

Family Practice

3. Appoint Dr. Richard E. Ellis (non-tenure) as Assistant Professor at an annual salary rate of \$25,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 225)

Medicine

4. Appoint Dr. Laurence E. Earley (initial request for tenure) as Professor and Chairman, at an annual salary rate of \$36,000 effective August 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 226)

Microbiology

5. Accept the resignation of Dr. Dario Valdivieso (non-tenure) as Instructor (20% time) at an annual salary rate of \$21,000 effective at the close of business March 31, 1973. Dr. Valdivieso was also paid 51% time from Pathology, Teaching Salaries and 29% time from BCHD Contract #7. Transfer unused Teaching Salaries in the amount of \$2,100 to Unallocated Faculty Salaries. (RBC 219)
6. Appoint Dr. Joe A. Bass (initial request for tenure) as Professor at an annual salary rate of \$27,000 effective June 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 222)

Obstetrics and Gynecology

7. Appoint Dr. Donald Rubell (non-tenure) as Visiting Instructor (without salary) effective April 1, 1973 through June 30, 1973. (RBC 220)
8. Appoint Dr. Allan J. White (non-tenure) as Assistant Professor at an annual salary rate of \$26,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 227)

Pathology

9. Accept the resignation of Dr. Dario Valdivieso (non-tenure) as Instructor (51% time) at an annual salary rate of \$21,000 effective at the close of business March 31, 1973. Dr. Valdivieso was also paid 20% time from Microbiology, Teaching Salaries and 29% time from BCHD Contract #7. Transfer unused Teaching Salaries in the amount of \$5,355 to Unallocated Faculty Salaries. (RBC 221)
10. Change the effective date of appointment for Dr. Milka M. Montiel (tenure) Associate Professor at an annual salary rate of \$30,000 from March 1, 1973 to April 30, 1973. Transfer unused Teaching Salaries in the amount of \$4,916.75 to Unallocated Faculty Salaries. (RBC 228)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)Pharmacology

11. Reappoint Dr. David H. Ross (non-tenure) as Instructor at an annual salary rate of \$11,000 effective April 1, 1973. Funds needed for this reappointment to come from U.S. Air Force Grant (AFOSR 71-2074-D). (RBC 214)

Physical Medicine and Rehabilitation

12. Appoint Dr. George A. Gates (non-tenure) as Associate Professor (without salary) effective April 1, 1973. Dr. Gates will continue to serve as Associate Professor (tenure), Department of Surgery, at an annual salary rate of \$23,300. (RBC 215)

San Antonio Dental SchoolBiomaterials

1. Appoint Dr. Barry K. Norling (non-tenure) as Assistant Professor, at an annual salary rate of \$19,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 30)

General Practice

2. Appoint Dr. Larry J. Crabb (non-tenure) as Assistant Professor at an annual salary rate of \$24,000 effective June 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 32)

Prosthodontics (Removable)

3. Appoint Dr. Kenneth L. Stewart (initial request for tenure) as Associate Professor at an annual salary rate of \$25,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 31)

TRANSFER OF FUNDS:San Antonio Health Science Center

1. Amount of Transfer:	\$19,355.91	
To:	Office of News and Information	
	Service - Maintenance and Operation	\$ 8,400.00
	Medicine - Travel	2,600.00
	Clinical Affairs - Maintenance and Operation	6,500.00
	Pediatrics - Maintenance and Operation	854.85
	Multidicipline Teaching Laboratories - Classified Salaries	851.06
	Physical Plant (General Services) - Travel	150.00
From:	Institutional Safety Program - Travel	\$ 150.00
	Medicine - Maintenance and Operation	2,600.00
	Scientific Computer Center - Classified Salaries	851.06
	Unallocated - Equipment	15,754.85
For:	To provide funds for more effective operation of these departments and for unanticipated operating expenses. (RBC 218)	

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)

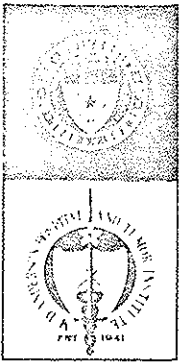
2. Amount of Transfer:	\$2,609.00	
To:	Office of News and Information	
	Service - Travel	\$ 400.00
	Office of Academic Development -	
	Travel	290.00
	General Services - Travel	200.00
	Anatomy - Travel	1,000.00
	Anatomy - Wages	225.00
	Bioengineering - Classified Salaries	494.00
From :	Office of News and Information	
	Service - Maintenance and Operation	\$ 400.00
	Anatomy - Teaching Assistants	225.00
	Anatomy - Maintenance and Operation	1,000.00
	Bioengineering - Wages	300.00
	Scientific Computer Center -	
	Classified Salaries	194.00
	Unallocated Maintenance and	
	Operation	490.00
For:	To provide funds needed for more	
	effective operation of these depart-	
	ments. (RBC 223)	

San Antonio Health Science Center
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
<u>San Antonio Medical School</u>				
402-288	Addition to Medical School Building		Legislative Appropriations	\$ 2,000,000.00
402-231	Physical Plant Building		Local Funds	261,000.00
<u>San Antonio Dental School</u>				
403-289	President's Residence		TRB	175,000.00
403-290	Teaching Equipment		TRB	400,000.00

Legend:

(TRB) Tuition Revenue Bond Proceeds



THE UNIVERSITY OF TEXAS AT HOUSTON
M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE
Texas Medical Center Houston, Texas 77025

June 19, 1973

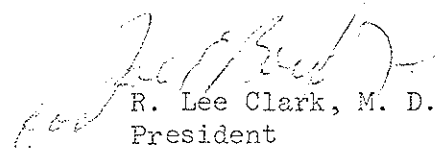
R. LEE CLARK, M. D., PRESIDENT

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado
Austin, Texas 78701

Dear Doctor LeMaistre:

Transmitted herewith are one hundred copies of The University of Texas System Cancer Center docket, totaling thirteen pages, for your approval and presentation for formal approval of the Board of Regents at their meeting on July 27, 1973.

Sincerely yours,


R. Lee Clark, M. D.
President

RLC:sk

THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

DOCKET

Board of Regents Meeting July 27, 1973

D x F

GIFTS: The following gifts have been received and are submitted for formal approval of the Board of Regents.

<u>Donor</u>	<u>Purpose and Explanation</u>	<u>Amount</u>
<u>M. D. Anderson</u>		
1. Mr. M. A. Wright, Chairman and Chief Executive Officer Exxon Company, USA P. O. Box 2180 Houston, Texas 77001	Expansion of M. D. Anderson Hospital. Total pledge \$100,000 with installments to be paid in 1974 and 1975.	\$34,000.00
2. The J. S. Abercrombie Foundation Mr. R. H. McCullough, Trustee 2001 Gulf Building Houston, Texas 77002	Expansion of M. D. Anderson Hospital. Total pledge \$300,000 with balance to be paid in 1974.	\$100,000.00
3. George and Mary Josephine Hamman Foundation Suite 614, 1300 Main Street Houston, Texas 77002	Expansion of M. D. Anderson Hospital	\$35,000.00
4. Mr. Nat S. Rogers, President First City National Bank of Houston P. O. Box 2557 Houston, Texas 77001	Expansion of M. D. Anderson Hospital. Total pledge \$50,000 with installments to be paid annually.	\$ 5,000.00

GRANTS, CONTRACTS, AND AGREEMENTS (NON-GOVERNMENTAL): The following grants have been awarded and are submitted for formal approval of the Board of Regents.

M. D. Anderson

1. The Robert A. Welch Foundation Grant No. G-120 provides new funds for a research project in molecular mechanisms for the initiation of DNA synthesis for the period May 1, 1973 through April 30, 1976, the total project period. The amount of \$15,000 is awarded for each of the three years. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. N. Burr Furlong.
2. The Robert A. Welch Foundation Grant No. G-147 provides new funds for a research project for structural studies on luteinizing hormone for the period May 1, 1973 through April 30, 1976, the total project period. The amount of \$15,000 is awarded for each of the three years. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Darrell N. Ward.
3. The Robert A. Welch Foundation Grant No. G-373 provides new funds for a research project in comparative biochemical characterization of DNA of vertebrates for the period May 1, 1973 through April 30, 1976, the total project period. The amount of \$12,000 is awarded for each of the three years. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Frances E. Arrighi.
4. The Robert A. Welch Foundation Grant No. G-545 provides new funds for a research project in a microanalytical technique for trace elements for the period May 1, 1973 through April 30, 1975, the total project period. The amount of \$12,000 is awarded for each of the two years. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. P. S. Ong.
5. The Robert A. Welch Foundation Grant No. G-324 provides new funds for a research project in biotransformation of 6-mercaptopurine by hepatic microsomal enzymes of normal and tumor-bearing animals for the period May 1, 1973 through April 30, 1974. The amount of \$12,000 is awarded for this project. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Ti Li Loo.
6. The Robert A. Welch Foundation Grant No. G-409 provides new funds for a research project involving release of polypeptides from polyribosomes during protein synthesis in mammalian cells for the period May 1, 1973 through April 30, 1974. The amount of \$12,000 is awarded for this project. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Joseph Robert Shaeffer.
7. The Robert A. Welch Foundation Grant No. G-354 provides new funds for a research project for isolation and characterization of glycoprotein receptors for tumor cell agglutinins for the period May 1, 1973 through April 30, 1974. The amount of \$15,000 is awarded for this project. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Earl F. Walborg, Jr.
8. The Robert A. Welch Foundation Grant No. G-315 provides new funds for a research project involving specific interactions between repair enzymes and deoxyribonucleic acid for the period May 1, 1973 through April 30, 1974. The amount of \$12,000 is awarded for this project. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Roger Roy Hewitt.

9. The Robert A. Welch Foundation Grant No. G-548 provides new funds for a research project involving chemical properties and kinetics of tyrosinase for the period May 1, 1973 through April 30, 1975, the total project period. The amount of \$12,000 is awarded for each of the two years. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Marvin M. Romsdahl and Dr. Robert F. McGregor.

10. The Robert A. Welch Foundation Grant No. G-542 provides new funds for a research project in hypermodification of deoxyribonucleic acid for the period May 1, 1973 through April 30, 1976, the total project period. The amount of \$12,000 is awarded for each of the three years. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Manley Mandel.

BUSINESS CONTRACTS: The following contract has been negotiated by the Business Manager and has been approved by the System Comptroller, the Deputy Chancellor for Administration, and the State Board of Control. I recommend your approval and ratification of signatures.

M. D. Anderson

1. Lease Agreement with the Center Pavilion Hospital Corporation for lease of 21,379 square feet of space in the Center Pavilion Hospital for research programs primarily supported from Federal Grant Funds. Rental payment for this space is at the rate of \$.30 cents per square foot per month effective May 1, 1973 through August 31, 1975. This is a renewal of an existing lease with payment from General Budget Funds and the lease provides for termination by either party on thirty days written notice.

WRF
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THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)
Board of Regents Meeting July 27, 1973

D77

The following Contracts, Grants and Amendments have been awarded and are submitted for formal approval of the Board of Regents.

M. D. Anderson

1. U. S. Atomic Energy Commission Contract No. AT-(40-1)-2832, Modification No. 12 provides new funds in the amount of \$16,124 for the period February 15, 1973 through June 30, 1973. The total project period for this contract is February 15, 1970 through June 30, 1973. This contract provides funds to continue studies on the structural properties and ionizing radiation responses in mammalian chromatin with use of whole cells, chromosomes, nucleoprotein and DNA. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Arthur Cole.

2. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 P01 CA11520-04 CAP provides new funds in the amount of \$59,914 plus appropriate indirect costs for the period January 1, 1973 through December 31, 1973. The total project period for this grant is January 1, 1970 through December 31, 1974. This grant provides funds to develop and provide the best medical care for patients with certain malignant diseases, conduct research with emphasis on therapeutic approaches, and to educate physicians and scientists for careers in clinical cancer research. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Emil J. Freireich.

3. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 P02 CA06294-12 CAP provides new funds in the amount of \$367,730 plus appropriate indirect costs for the period March 1, 1973 through February 28, 1974. The total project period for this grant is March 1, 1969 through February 28, 1974. This grant provides funds for radiotherapy research and a review and formalization of all treatment plans, treatment set-ups and calibrations used at the M. D. Anderson Hospital and combining these into set protocols. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Gilbert H. Fletcher.

4. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 P02 CA10006-07 CAP provides new funds in the amount of \$157,859 plus appropriate indirect costs for the period March 1, 1973 through February 28, 1974. The total project period for this grant is March 1, 1972 through February 28, 1974. This grant provides funds for the establishment of a Clinical Radiotherapy Research Unit to evaluate the efficacy of hyperbaric radiation therapy. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Gilbert H. Fletcher.

5. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA05654-13 RAD provides new funds in the amount of \$26,727 plus appropriate indirect costs for the period May 1, 1973 through April 30, 1974. The total project period for this grant is May 1, 1970 through April 30, 1975. This grant provides funds for a research project to study what can be achieved for cancer patients treated with megavoltage therapy alone or in combined programs with surgery or chemotherapy. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Gilbert H. Fletcher.

6. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R10 CA08859-08 CCI provides new funds in the amount of \$117,947 plus appropriate indirect costs for the period May 1, 1973 through April 30, 1974. The total project period for this grant is September 1, 1971 through April 30, 1974. This grant provides funds to establish a leukemia center platelet program for patients with acute leukemia, lymphoma and solid tumors. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Emil J. Freireich.
7. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 2 R10 CA03754-16 CCI provides new funds in the amount of \$54,781 plus appropriate indirect costs for the period January 1, 1973 through December 31, 1973. The total project period for this grant is January 1, 1973 through December 31, 1974. This grant provides funds in support of the Southwest Cancer Chemotherapy Study Group which has broadened its scope in terms of new members, studies focusing on additional disease categories, and interactive studies involving chemotherapy, immunotherapy, pathology, natural history, radiotherapy, cytogenetics, and experimental design. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Jeffrey A. Gottlieb.
8. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 2 R10 CA03713-16 CCI provides new funds in the amount of \$53,458 plus appropriate indirect costs for the period January 1, 1973 through December 31, 1973. The total project period for this grant is January 1, 1973 through December 31, 1974. This grant provides funds to support the Southwest Cancer Chemotherapy Study Group (Pediatric) conducting investigative clinical chemotherapeutic studies in children with acute leukemia and other malignant neoplasms. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Wataru W. Sutow.
9. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 2 R10 CA12014-04 CCI provides new funds in the amount of \$122,627 plus appropriate indirect costs for the period January 1, 1973 through December 31, 1973. The total project period for this grant is January 1, 1973 through December 31, 1974. This grant provides funds to support the Southwest Cancer Chemotherapy Study Group-Statistical Office which is a unit essential to the conduct of cooperative clinical research by the membership. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Edmund A. Gehan.
10. Department of Health, Education and Welfare, Public Health Service, Allergy and Infectious Diseases Institute Grant No. 5 R01 AI09869-03 VR provides new funds in the amount of \$18,837 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1971 through May 31, 1974. This grant provides funds for a research program in RNA Synthesis-Mengovirus Infected Tissue Culture. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Ralph B. Arlinghaus.
11. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 2 R10 CA11844-16 CCI provides new funds in the amount of \$14,285 plus appropriate indirect costs for the period June 1, 1973 through April 30, 1974, the total project period. This grant provides funds for a special ambulatory program for patients with leukemia to provide out-of-hospital care for children with acute leukemia who are involved in investigative clinical studies. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Margaret P. Sullivan.

12. Subcontract No. 3, to NIH-N01-CP-33258 with Columbia University for new funds in the amount of \$35,000 for the period February 1, 1973 through August 31, 1973. This subcontract to a National Institutes of Health contract with Columbia University extends a prior subcontract for production of R111 mouse milk for Dr. S. Spiegelman of Columbia University. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Leon L. Dmochowski.

13. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01-CP-33304 provides new funds in the amount of \$416,580 for the period May 1, 1973 through January 31, 1974. This contract provides funds for studies on the relationship of viruses to human neoplasias and to determine the role of viruses in the etiology of human cancer. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Leon Dmochowski.

14. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA04484-15 RAD provides new funds in the amount of \$59,050 plus appropriate indirect costs for the period April 1, 1973 through March 31, 1974. The total project period for this grant is April 1, 1971 through March 31, 1974. This grant provides funds for research in the relationship of repair and recovery in mammalian cells when damage has been induced by radiation and chemicals. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Ronald M. Humphrey.

15. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA10407-06 MBY provides new funds in the amount of \$15,501 plus appropriate indirect costs for the period May 1, 1973 through April 30, 1974. The total project period for this grant is May 1, 1971 through April 30, 1974. This grant provides funds for research in the control of anabolism of ribonucleosides. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Antonio Orengo.

16. Department of Health, Education and Welfare, Public Health Service, National Institute of Child Health and Human Development Grant No. 5 R01 HD05803-03 CBY provides new funds in the amount of \$27,174 plus appropriate indirect costs for the period May 1, 1973 through April 30, 1974. The total project period for this grant is May 1, 1971 through April 30, 1975. This grant provides funds to study the biochemical nature of DNA restriction in chromatin during early embryogenesis and to study the properties and functions of nuclear proteins during spermatogenesis. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Lubomir S. Hnilica.

17. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 2 R01 CA07746-10 PC provides new funds in the amount of \$54,215 plus appropriate indirect costs for the period May 1, 1973 through April 30, 1974. The total project period for this grant is May 1, 1973 through April 30, 1978. This grant provides funds for research in proteins of the cell nucleus. The tissue specificity of normal and reconstituted chromatin samples will be determined by RNA/DNA hybridization experiments and by investigating the immunochemical specificity of DNA complexes with nonhistone proteins. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Lubomir S. Hnilica.

18. National Aeronautics and Space Administration-Lyndon B. Johnson Space Center Contract No. NAS 9-13042, Modification No. 1S provides new funds in the amount of \$11,281 for a total contract amount of \$71,281. This award is for the period July 1, 1972 through December 31, 1973, the total project period. This contract provides funds for the evaluation of all the methods used by the endocrine laboratory in completion of lab exam, make change recommendations, and document all the procedural and logistic plans. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Baker A. Mitchell, Jr.
19. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA04464-15 PC provides new funds in the amount of \$39,567 plus appropriate indirect costs for the period April 1, 1973 through March 31, 1974. The total project period for this grant is April 1, 1971 through March 31, 1974. This grant provides funds for research in the purification and characterization of ribonucleotide reductase and thioredoxin reductase from rat tumor and the control of enzyme synthesis and activity in cultured cells. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. E. Colleen Moore.
20. U. S. Atomic Energy Commission Contract No. AT(38-1)-526, Modification No. 5 revises the contract period to October 15, 1968 through January 31, 1974, with no additional funds. This contract provided for conducting medical research and a study program entitled "Evaluation of Californium-252 Neutron Emitter of Interstitial and Intracavitary Radiation Therapy." The majority of the expenditures from this contract were made in Harris County. This contract is under the direction of Dr. Alfred R. Smith.
21. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health Contract No. NIH-NCI-E-71-2178 (N01 CP 12178), Modification No. 2 revises the contract period to June 29, 1971 through May 31, 1973, with no additional funds. This contract provided for research in the immunological treatment of human neoplastic disease. The majority of the expenditures from this contract were made in Harris County. This contract is under the direction of Dr. Joseph Sinkovics.
22. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA11710-03 MBY provides new funds in the amount of \$16,211 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1971 through May 31, 1974. This grant provides for the study of the composition and structure of a glycopeptide possessing potent and specific WGA-cytoagglutination inhibitory activity which has been isolated from C-SGP. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Earl F. Walborg, Jr.
23. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 T12 CA08000-08 CCG provides new funds in the amount of \$94,747 plus appropriate indirect costs for the period July 1, 1973 through June 30, 1974. The total project period for this grant is July 1, 1971 through June 30, 1974. This grant provides for continued support of education programs in clinical cancer and the biology of human cancer for selected trainees. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. George R. Blumenschein.
24. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01 CP 33301 provides new funds in the amount of \$154,947 for the period May 24, 1973 through May 23, 1974, the total project period. This contract provides funds for the study of oncogenic virus associated immunity and immune responses in human cancer. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Evan M. Hersh.

25. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA07923-09 VR provides new funds in the amount of \$35,058 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1971 through May 31, 1974. This grant provides for a project to include the search for oncorna or herpes type viruses in human leukemic and sarcoma cells by electron microscopy and bioassays. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Joseph G. Sinkovics.

26. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01 CP 33292 provides new funds in the amount of \$111,501 for the period June 1, 1973 through April 30, 1974, the total project period. This contract provides for research in the identification of sarcoma specific antigens, the demonstration of immune reactions to these antigens in the cancer patients and normal controls and the participation in collaboration projects to determine which of the reactions are potentially detecting virus-specific and/or tumor specific antigens. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Joseph G. Sinkovics.

27. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 P01 CA12542-02 CAP provides new funds in the amount of \$439,824 plus appropriate indirect costs for the period May 1, 1973 through April 30, 1974. The total project period for this grant is May 1, 1972 through April 30, 1975. This grant provides support for the fast neutron therapy with TAMVEC Cyclotron. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Gilbert H. Fletcher.

28. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 T01 CA05232-03 CAN provides new funds in the amount of \$24,030 for the period July 1, 1973 through June 30, 1974. The total project period for this grant is July 1, 1971 through June 30, 1974. This grant provides for research training in pathology for postdoctoral trainees. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. William O. Russell.

29. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA12225-03 DRP provides new funds in the amount of \$36,825 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1971 through May 31, 1974. This grant provides support to evaluate the role of high resolution of thermography as a mass screening device for the detection of early breast cancer through the examination of 6000 asymptomatic women. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. H. S. Gallager.

30. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA11430-08 COM provides new funds in the amount of \$243,941 plus appropriate indirect costs for the period May 1, 1973 through April 30, 1974. The total project period for this grant is May 1, 1971 through April 30, 1974. This grant provides support for biomedical computation. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Stuart O. Zimmerman.

31. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA12521-03 GMB provides new funds in the amount of \$14,405 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1971 through May 31, 1974. This grant provides support for a project in radioimmunoassay and biological assay of human calcitonin. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Naguib A. Samaan.

32. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 1 R26 CA15107-01 SRC provides new funds in the amount of \$50,169 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1973 through May 31, 1976. This grant provides for research to determine the usefulness of single chemotherapeutic agents in the treatment of advanced prostatic carcinoma. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Douglas E. Johnson.

THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

RECOMMENDED AMENDMENTS TO THE 1972-73 OPERATING BUDGET
Board of Regents Meeting July 27, 1973M. D. AndersonMedical Staff (Clinical Chemistry and Laboratory Medicine)

1. Resignation. Geoffrey M. Brittin, M. D., Pathologist and Professor of Pathology (Without Tenure), Department of Clinical Chemistry and Laboratory Medicine payable at the full time rate of \$33,500.00 per annum effective at the close of business June 11, 1973. (RBC 165)

Medical Staff (Surgery)

2. Change in Source of Funds. Kenji Nishioka, Ph.D., Assistant Surgeon (Biochemistry) (Without Tenure), Department of Surgery, from the full time rate of \$13,000.00 per annum paid from Grant NIH-5-S01-RR-05511 to the full time rate of \$13,000.00 per annum paid from Department of Surgery (General Funds) effective January 1, 1973. The source of funds for this action is the Reserve for Professional Salaries Account. (RBC 169)

Medical Staff (Anesthesiology)

3. Resignation. Luis J. Moreno, M. D., Associate Anesthesiologist (Without Tenure), Department of Anesthesiology, payable at the full time rate of \$26,000.00 per annum effective at the close of business May 21, 1973. (RBC 163)

Research (Molecular Biology)

4. Change in Source of Funds. Charles W. Haidle, Ph.D., Assistant Biologist and Assistant Professor of Biology (Without Tenure), from the twenty-one percent time rate of \$3,300.00 per annum paid from Molecular Biology (General Funds) and the seventy-nine percent time rate of \$12,500.00 per annum paid from Grant NIH-5-S01-RR-05511 to the one hundred percent time rate of \$15,800.00 per annum paid from Molecular Biology (General Funds) effective January 1, 1973. The source of funds for this action is the budgeted position and the Reserve for Professional Salaries Account. (RBC 168)

Research (Developmental Therapeutics)

5. Change in Source of Funds. Jeffrey A. Gottlieb, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), from Grant NIH 5-R10-CA-08859 payable at the twenty-six percent time rate of \$7,000.00 per annum to American Cancer Society Grant ACS-CI-22A payable at the twenty-six percent time rate of \$7,000.00 per annum (full time rate \$27,000.00) effective May 1, 1973. (RBC 162)

6. Change in Source of Funds. Jacqueline S. Hart, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics, from the fifty percent time rate of \$10,500.00 per annum paid from Grant NIH-5-P02-CA-05831, the forty-one percent time rate of \$8,600.00 per annum paid from Grant NIH-5-S01-RR-05511 and the nine percent time rate of \$2,000.00 per annum paid from Grant NIH-1-R01-CA-05230 to the fifty percent time rate of \$10,500.00 per annum paid from Grant NIH-5-P02-CA-05831, and the forty-one percent time rate of \$8,600.00 per annum paid from Developmental Therapeutics (General Funds) and the nine percent time rate of \$2,000.00 per annum paid from Grant NIH-1-R01-CA-05230 (total salary \$21,100.00) effective January 1, 1973. The source of funds for this action is the Reserve for Professional Salaries Account and available grant funds. (RBC 167)

Research (Epidemiology)

7. Resignation. Mary A. Gregurich, Associate in Epidemiology, Department of Epidemiology, payable at the full time rate of \$12,600.00 per annum effective at the close of business April 6, 1973. (RBC 164)

Research (Experimental Animals)

8. Resignation. Clara J. Fraser, D.V.M., Research Associate (Without Tenure), Experimental Animals, payable at the full time rate of \$14,750.00 per annum effective at the close of business June 11, 1973. (RBC 166)

Research (Computer Science Laboratory of the Institute of Biomathematics)

9. Change in Source of Funds. Lawrence E. Newton, Systems Analyst, Department of Biomathematics from the twenty-seven percent time rate of \$5,050.00 per annum paid from Research Computer Facility Fund, the twenty-four percent time rate of \$4,650.00 per annum paid from NASA Contract NAS 9-7153 and the forty-nine percent time rate of \$9,300.00 per annum paid from Grant NIH 5-P02-CA-06294 to the twenty-seven percent time rate of \$5,050.00 per annum paid from Research Computer Facility Fund, the twenty-four percent time rate of \$4,650.00 per annum paid from Grant NIH 5-R01-CA-11430 and the forty-nine percent time rate of \$9,300.00 per annum paid from Grant NIH 5-P02-CA-06294 (total salary \$19,000.00). The source of funds for this action is available grant funds and the Research Computer Facility Fund. (RBC 173)

Education (Office of Education)

10. Revision of Appointment. George R. Blumenschein, M. D., Assistant Director for Education, Assistant Internist and Assistant Professor of Medicine (Without Tenure), Office of Education (General Funds) payable at the seventy-two percent time rate of \$21,000.00 per annum (full time rate \$29,000.00) effective January 26, 1973. The source of funds for this appointment is the Reserve for Professional Salaries Account. (Rev. RBC 146)

11. Appointment. Arnold Feldman, Ph.D., Visiting Scientist (Without Tenure), Office of Education, payable at the full time rate of \$30,000.00 per annum effective for the period May 14, 1973 through August 31, 1973, payable from Grant NIH 5-R10-CA-10953. The source of funds for this appointment is available grant funds. (RBC 172)

General Services (Central Stores and Transportation)

12. Appointment. Dallas J. Guidry, Laborer, Central Stores and Transportation, (General Funds) payable at the full time rate of \$4,896.00 per annum effective for the period May 14, 1973 through August 31, 1973. The source of funds for this temporary appointment is the Reserve for Classified Salaries Account. (RBC 170)

13. Appointment. John E. Carter, Laborer, Central Stores and Transportation (General Funds) payable at the full time rate of \$4,896.00 per annum effective for the period May 14, 1973 through August 31, 1973. The source of funds for this temporary appointment is the Reserve for Classified Salaries Account. (RBC 171)

The University of Texas System Cancer Center
 Schedule of Additional (or Changes in)
 Funding of Construction Projects
 July 27, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
703-76	Addition to 6th & 7th Floors		Local Funds	\$ 2,028,079.00
			PUF	(140,000.00)
703-291	Remodeling Existing Building		Private Gifts	3,000,000.00

Legend:

(PUF) Permanent University Fund Bond Proceeds

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

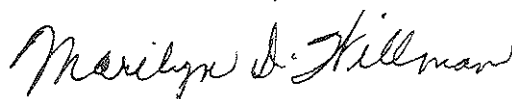
July 22, 1973

Chancellor Charles A. LeMaistre
The University of Texas System
Austin, Texas 78701

Dear Chancellor LeMaistre:

The attached docket for The University of Texas System School of Nursing is submitted for your approval and presentation to the Board of Regents at its meeting on July 27, 1973. The docket consists of 11 pages.

Sincerely yours,



Marilyn D. Willman
President

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

July 27, 1973

CLINICAL ASSISTANT PROFESSORSan Antonio Nursing School

1. The President, Dean and faculty of the San Antonio Nursing School recommend and request approval of the appointment of Mr. William Beha, Assistant Administrator for Nursing Service at Bexar County Hospital District, as Clinical Assistant Professor (without compensation) for the 1973-74 academic year.

AMENDMENTS TO THE CATALOGUEPhilosophy of Graduate Education

The graduate faculty of The University of Texas System School of Nursing believes that graduate programs in nursing should be based upon undergraduate general education, and professional knowledge, attitudes, and applied skills which evolve from the concept that man is a bio-psycho-social-linguistic being. The faculty is committed to the idea that graduate programs in nursing are designed for educating qualified persons to make significant contributions to the improvement of health care and the advancement of nursing practice. The faculty supports the development of a graduate curriculum that educationally prepares nurses to assume influential positions in nursing and the health care system and believes that educating persons to assume principal functional roles such as educator, researcher, clinical specialist, administrator, consultant, or varied combinations of these roles will contribute to the preparation of a group within nursing who can assess, clarify and determine on a national or international scale the unique contribution of professional nursing to society.

The faculty believes that the subject content of graduate education for nurses should have relevance to the theory and practice of nursing, to the present and future role of nursing in the health system, and to the social and ethical problems related to professional issues. The faculty supports the idea that candidates for graduate degrees should be afforded the opportunity to pursue advanced study in nursing, and also be permitted to elect studies in related areas such as education, administration, research, and one of the social-behavioral or physical science disciplines. Master's study may be pursued as one stage in progression toward the doctorate, but the Master's may also be pursued as a terminal degree, encompassing advanced clinical and functional preparation.

The faculty believes that the graduate of the Master's program should be a knowledgeable and highly skilled practitioner in a selected area of clinical nursing. Based upon this, the faculty believes the doctoral program, culminating in the highest degree in formal education, should be designed to educate nurses to perform leadership roles in the functional areas of education, research, administration, consultation, or community planning, with a principal focus on the practice of nursing.

AMENDMENTS TO THE CATALOGUE (Continued)Objectives of the Doctor of Philosophy in Nursing Program

The objectives of the doctoral program are to graduate a nurse who can:

1. Assess the health needs of society on a local, state, regional, national, or international level that are relevant to the practice of nursing.
2. Evaluate current theories for nursing practice in relation to meeting the health needs of society.
3. Develop, test, and disseminate new theories to advance the practice of nursing.
4. Develop, implement, and evaluate programs in nursing to meet the health needs of society.

The Doctor of Philosophy in Nursing degree will be conferred upon the student who has:

1. Completed the core program and an individualized program of study in nursing, a cognate (behavioral, natural sciences), and a functional (research, administration, teaching, consultation) area.
2. Written a dissertation representing independent investigation in his major area and an original contribution to scholarship.
3. Successfully defended his dissertation to all members of the dissertation committee.
4. Completed, according to Graduate Nursing School standards, his individualized program of study as approved by the doctoral committee at the time of admission to candidacy.
5. Met the residency requirements of enrollment in the Graduate Nursing School as a full-time student for two consecutive semesters.

Degree Requirements for the Doctor of Philosophy in Nursing

A minimum of 57 semester hours beyond the Master's degree is required. The basic plan as described below will be followed by all students:

A.	Core program - 24 semester hours required of all students	
		Semester hours
	Nursing - General	6
	N 380K	
	N 380L	
	Research	12
	N 397K	
	Methodology (two courses)	
	Advanced Statistics (one course)	
	Health Programs Planning and Implementation	6

AMENDMENTS TO THE CATALOGUE (continued)Degree Requirements for the Doctor of Philosophy in Nursing (continued)

- B. Individualized Program - a minimum of 27 semester hours which must be completed by all students

	Semester hours
Nursing Major	15
Cognate	12 (including 6 beyond Master's study)
Functional Area	9 (including 6 beyond Master's study)
Other courses as required and/or approved by doctoral committee.	

- C. Dissertation 6

Admission to the Doctor of Philosophy in Nursing Program

An applicant is qualified for matriculation into the doctoral program if he has:

1. A minimum combined score of 1000 on the Aptitude Test of the Graduate Record Examinations or 50 on the Miller Analogies Test.
2. An average of B on all upper division and graduate work undertaken.
3. A minimum of a Master's degree in nursing or its equivalent; such equivalency means at least 30 graduate semester hours including 9 semester hours in clinical nursing.
4. Satisfactory academic and professional references and a personal interview with a representative of the Graduate Nursing School.
5. Approval of his application for admission by the Admissions Subcommittee of the Committee on Graduate Studies.

Admission to Candidacy for the Doctor of Philosophy in Nursing Degree

A student is qualified as a doctoral candidate if he has:

1. Satisfactorily completed all requirements prescribed by the doctoral committee.
2. Completed 15 hours of doctoral level nursing courses and one course in each of the following areas:
 - a. Research methodology
 - b. A cognate
 - c. A functional area
3. Demonstrated satisfactory performance on an examination in each of these four areas: core content, nursing, functional area, and a cognate. All applicants for candidacy will take the same examination on core content. In each of the other three components of the program all applicants for candidacy who have selected the same area of study will take the same examination.

AMENDMENTS TO THE CATALOGUE (continued)Admission to Candidacy for the Doctor of Philosophy in Nursing Degree (continued)

a) If the performance is deemed unsatisfactory by a majority of the examining committee, the student will be judged as having failed the examination.

b) If the performance on the examination in all areas is judged unsatisfactory, the student will not be permitted to pursue further study.

c) If the performance on less than three examinations is judged unsatisfactory, the examining committee will determine by a majority vote one of three alternatives:

- (1) deny pursuit of further study,
- (2) require additional study and re-examination, or
- (3) permit re-examination at a designated time, not less than 90 nor more than 180 days from the date of the first examination

Following admission to candidacy, a supervising Committee will be appointed for each candidate. The Committee will assess the candidate's academic needs, develop his individualized course of study, supervise his dissertation, and see that he satisfies all requirements.

COURSE DESCRIPTIONS

380K. Issues and Problems. - Assessment of current issues and problems in relation to meeting health needs on all levels, their relevance to current nursing theories, the need for new theories in nursing, and the development and evaluation of nursing programs to meet health needs of society. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

380L. Theory Development in Nursing. - Study of nature, requisites, testing, and criticism of theory development. Delineation of nursing theory versus use of theory of other disciplines. Development of models for theory building. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

380M. Historical and Philosophical Study of Nursing.
Topic 1, Philosophical Aspects of Nursing. - Introduction to philosophical aspects of nursing: 1) fundamental tools of philosophical analysis including categories of definitions, clarification of concepts and terms, identification of descriptive and normative aspects of judgments, making and testing distinctions, probing grounds for beliefs, and logical fallacies; 2) epistemological aspects of nursing including distinguishing between knowledge and belief, the conditions for knowledge, and the varieties of knowing in nursing, and 3) valuational dimensions of nursing including suppressed valuational premises, process of normative reasoning, and critical examination of valuational commitments in nursing. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

COURSE DESCRIPTIONS (continued)

380M. Historical and Philosophical Study of Nursing. (continued)

Topic 2, Historical Development of Nursing. - In-depth study of the history of nursing with special focus on the influences and changes which have occurred within the profession. Review of the association of nursing with related disciplines, its emergence into institutions of higher learning, organizational structure and hierarchy, changes in educational focus due to preparation of educational leaders, and related topics. Prerequisite: Graduate standing and consent of the instructor. Three class hours a week. Three semester hours.

Topic 3, Philosophy of Nursing Theory. - Introduction to the philosophical basis of nursing theory: purposes of theoretical discourse--scientific, philosophical, and praxiological; criteria for adequate definitions in scientific discourse--theoretical and operational definition in nursing; nature and function of theories, nature and function of theories in nursing; methods of theory development--retroductive, inductive, and intuitive; critique of extant nursing theories or conceptual frameworks; relation of theory to practice. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

381M. Adult Health Nursing

Topic 1, Seminar in Adult Health Nursing. - Focus is on implementation of approaches aimed at solution of problems in the care of adults through the use of consultation, interdisciplinary collaboration, and community, regional, or national action. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 2, Special Problems of Adult Health. - May be repeated as subjects vary. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

Topic 3, Special Health Problems in Aging. - Research findings and clinical data applied to bio-psycho-social-linguistic alterations in the systems of man, with aging. Fieldwork with aging patients in a variety of settings--hospitals, extended care facilities, old age homes, retirement communities. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

Topic 4, Comparative Health Care of the Aged. - Analysis of approaches to care of aged in different regions of the U.S. and in other countries. Effects of socio-economic level, cultural background, and technological and developing economies upon care of the elderly, including innovations in gerontological nursing. Identification of resources needed to effect change in health care of the aged. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

382M. Legal and Leadership Responsibilities in Nursing. - Comprehensive study of laws which affect nurses and nursing, and methods for dealing with governmental agencies for the benefit of society and nursing. Practicum with The Texas League for Nursing and/or The Texas Nurses Association. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

COURSE DESCRIPTIONS (continued)

383L. Seminar in Curriculum and Teaching in Nursing Education. - Study of problems and issues in curriculum and teaching relevant to content, organization, and planning in nursing programs in colleges and universities. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

383M. Seminar on Health Teaching. - Analysis of relevant literature and clinical data pertinent to patient teaching. Study of educational methodologies appropriate for health teaching of individuals and groups of patients. Design and execution of small research study relevant to a particular problem in patient teaching. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

385J. Psychiatric - Mental Health Nursing.

Topic 1, Motivational Problems Related to Illness and Therapy. - Study of motivational factors relating to a) progression or retardation of psychopathology and b) enhancement or hindrance of therapy. Practicum directed toward operationalizing nursing therapy in relation to motivational support. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

Topic 2, Individual Therapy Adaptations to Group and Systems Therapy. - Practice development focused on applying principles and techniques of individual therapy to varied groups and systems. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

Topic 3, Milieu Therapy. - Theory building and practice development directed toward operationalizing therapy principles to routine nursing care. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

Topic 4, Nursing Therapy Developing from Non-Sullivanian Theories. - Study and practice development directed toward making operational nursing therapies from behavioral theories comparable to those of Sullivan. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

Topic 5, Preventive Psychiatric - Mental Health Nursing. - Development of direct prevention or intervention techniques to minimize the production of psycho-pathology. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

386J. Leadership Roles in Nursing.

Courses may be repeated as topic varies. The practicum is not required.

Topic 1, Administration of Educational Programs. - Advanced study of the theory and practice of internal and external administration relative to faculty, students, evaluation, accreditation, public relations in various types of programs as affected by controlling body and organization and purposes of the program. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

COURSE DESCRIPTIONS (continued)

386J. Leadership Roles in Nursing (continued)

Topic 2, Administration of Patient Service Agencies. - Study of the development of health care systems. Designed to meet the needs and career goals of the individual student. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 3, Consultation to Educational and Service Agencies. - Principles of consultation; role of consultant; gathering, organization, and analysis of data from consultative situation; and prescriptive modes. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 4, Practicum for Topics 1, 2, or 3. - Prerequisite: Graduate standing or consent of instructor. Hours to be arranged. Three semester hours.

390K. Community Health Nursing.

Topic 1, Seminar on Social Issues Related to Health Care. - May be repeated as subjects vary. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 2, Comparative Health Care Delivery Systems. - An analysis of the health care delivery systems of different nations, their origins, assets, deficits, and their effects upon the level of health care. The role of nursing in these systems. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 3, Seminar on International Health Problems. - Major international health problems including those of both economically developed and developing countries. The role of national and international agencies, such as U.N., W.H.O., A.I.D. Field work with a national or international agency if possible. Prerequisite: Graduate standing and consent of instructor. Class and/or practicum hours to be arranged. Three semester hours.

393M. Maternal - Child Nursing.

Topic 1, Seminar on Parenthood and Family Life. - Focuses upon basic research related to parenthood and family life. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 2, Seminar in Child Health Nursing. - Focus is on implementation of approaches aimed at solution of problems in the care of children through the use of consultation, interdisciplinary collaboration, and community, regional, or national action. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 3, Child Health Nursing in Other Cultures. - Study of the care of children in different cultural environments. Individual research projects will be required, based upon the medical problems in such environments and the plan for nursing intervention. Special attention will focus upon biological, cognitive, and social management or relationships with the environment. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

COURSE DESCRIPTIONS (continued)

394. Independent Study in Nursing. - Conference courses dealing with areas of special interest. May be repeated for credit when topics vary. Prerequisite: Graduate standing and consent of instructor. Hours to be arranged. Three semester hours.

397K. Advanced Research in Nursing. - Advanced study and experience in research methodologies and design applied to the conceptualization, design, and conduct of studies in patient care and nursing education. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

397L. Research Methodology.

Topic 1, Critique of Research Design and Evaluation Models and Their Applications in Nursing. - Review and critique of existing evaluation models. Application of both research design and the models to theory-oriented problems. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 2, Evaluation and Application of Computer Techniques to Nursing. - Use of computers in nursing care situations, nursing education, and research studies. Identification of useful programs readily adaptable to nursing problems. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 3, Criterion Referenced Measurement in Nursing. - Use of criterion referenced measurement in clinical and classroom evaluation. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

Topic 4, Development and Evaluation of Instruments Pertinent to Nursing. - Development of an instrument and evaluation of its properties. Prerequisite: Graduate standing and consent of instructor. Three class hours a week. Three semester hours.

699. Dissertation. - Prerequisite: Admission to candidacy for the doctoral degree.

ENROLLMENT IN GRADUATE COURSES WITHOUT ADMISSION TO GRADUATE PROGRAMS.

A student who does not wish to enter the graduate program or who has been denied admission may seek permission to register as a special student in the System School of Nursing. As a special student he is eligible to take any course for which he has the prerequisites, including graduate level courses, provided he has the approval of the instructor and the graduate adviser. An individual will not receive credit toward a graduate degree for courses taken while registered as a special student.

Students who are fully eligible for admission to the graduate programs, but who wish to pursue courses without becoming candidates for advanced degrees may register in the System School of Nursing in a "not a degree candidate" status.

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

GRANTS, CONTRACTS AND AGREEMENTS (STATE) *ad* *F*

July 27, 1973

1. Interagency Contract No. IAC(72-73)-1199, beginning June 1, 1973 and ending August 31, 1973, between The University of Texas System School of Nursing and The University of Texas at El Paso, whereby U. T. El Paso will provide security services to the El Paso Nursing School. The total amount of the contract shall not exceed \$5,499.00.

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

July 27, 1973

System Nursing School

1. Appointment of Beverly Ann Drawe, Assistant to the President (non-tenure) at an annual rate of \$16,000 for the period July 2, 1973 through August 31, 1973. Source of Funds: Administrative and Professional Salaries. (RBC# N-167)

2. Transfer of Funds:

From: Unallocated Account	\$2,624.00
To : Administrative and Professional Salaries	\$2,624.00
For : To provide funds for the appointment of Beverly Drawe, Assistant to the President, effective July 2, 1973.	(RBC# N-166)

3. Transfer of Funds:

From: Unallocated Account	\$2,000.00
To : El Paso Nursing School - Summer Session Teaching Salaries	\$2,000.00
For : To provide funds for appointment of an additional summer session faculty member.	(RBC# N-162)

Austin Nursing School

1. Resign Emily Cornett, Assistant Professor (non-tenure) from the 1973 Summer Session Teaching Budget for the period June 1, 1973 through July 15, 1973 at a 9 months rate of \$14,400. (RBC# N-151)

2. Appoint Jerry Blaylock, Associate Professor (tenure) at a 9 months rate of \$15,000 for the period June 1, 1973 through July 15, 1973. Source of Funds: Summer Session Teaching Salaries. (RBC# N-153)

3. Appointment of Doreen Wise, Assistant Professor (non-tenure) at a 9 months rate of \$12,000 for the period June 1, 1973 through June 28, 1973. Source of Funds: EXXON Foundation Grant. (RBC# N-161)

El Paso Nursing School

1. Appointment of LaDonna Eberhardt, Assistant Professor (non-tenure) at a 9 months rate of \$12,000 for the period June 1, 1973 through July 15, 1973. Source of Funds: Summer Session Teaching Salaries. (RBC# N-165)

2. Appointment of Shirley Smoyak, Visiting Professor (non-tenure) at a 9 months rate of \$19,000 for the period June 1, 1973 through July 15, 1973. Source of Funds: Summer Session Teaching Salaries, (RBC# N-154)

3. Transfer of Funds:

From: Maintenance of Facilities	\$ 900.00
To : Travel	\$ 900.00
For : To provide travel funds for the remainder of FY 1972-73.	(RBC# N-176)

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

(Continued)

July 27, 1973

Fort Worth Nursing School

1. Increase the annual salary rate of Myrna Pickard, Dean and Professor (tenure) from \$18,700 to \$25,000 for the period June 1, 1973 through August 31, 1973. Source of Funds: Administrative and Professional Salaries. (RBC# N-160)

Galveston Nursing School

1. Appointment of Virginia Rahr, Instructor (non-tenure) at a 9 months rate of \$11,000 for the period July 16, 1973 through August 31, 1973. Source of Funds: Summer Session Teaching Salaries. (RBC# N-168)

2. Appointment of Clara Milko, Instructor (non-tenure) at a 9 months rate of \$12,500 for the period July 16, 1973 through August 31, 1973. Source of Funds: DHEW Pediatric Nurse Practitioner Contract. (RBC# N-170)

3. Appointment of Nancy Wyatt, Instructor (non-tenure) at a 9 months rate of \$10,600 for the period July 16, 1973 through August 31, 1973. Source of Funds: Summer Session Teaching Salaries: (RBC# N-169)

4. Appointment of Doris Mulhollen, Assistant Professor (50% time) (tenure) at a 9 months rate of \$14,000 for the period July 16, 1973 through August 31, 1973. Source of Funds: Summer Session Teaching Salaries. (RBC# N-178)

Houston Nursing School

1. Transfer of Funds:

From: Classified Personnel	\$ 438.90
Wages	418.90
Use of Facilities	2,000.00
Travel	400.00
	<u>\$3,257.80</u>

To : Maintenance, Operation
and Equipment \$3,257.80

For : To provide funds for operations for the remainder
of FY 1972-73. (RBC# N-177)

LAND AND INVESTMENT REPORT

Meeting of July 27, 1973

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LAND AND INVESTMENT REPORT

For Month Ended April 30, 1973

I. PERMANENT UNIVERSITY FUND

PERMANENT UNIVERSITY FUND - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Permanent University Fund in April, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

COMPARISON
SUMMARY OF ASSETS

SECURITY	BOOK VALUE 4/30/72	BOOK YIELD 4/30/72	BOOK VALUE 4/30/73	BOOK YIELD 4/30/73
<u>DEBT SECURITIES:</u>				
U. S. Government Obligations--				
Treasury Bonds	\$105,679,410.23	4.32%	\$ 90,942,325.79	5.16%
Government Agencies	24,807,767.96	6.93	28,091,215.48	6.93
FHA Mortgages	<u>16,039,759.60</u>	<u>6.86</u>	<u>14,565,190.21</u>	<u>7.01</u>
TOTAL - U. S. Government Obligations	<u>146,526,937.79</u>	<u>5.04</u>	<u>133,598,731.48</u>	<u>5.73</u>
Corporate Bonds	<u>234,171,646.64</u>	<u>4.93</u>	<u>239,334,915.46</u>	<u>4.91</u>
TOTAL - DEBT SECURITIES	<u>380,698,584.43</u>	<u>4.97</u>	<u>372,933,646.94</u>	<u>5.20</u>
<u>EQUITY SECURITIES:</u>				
Convertible Debentures	12,958,800.54	5.27	10,097,290.00	5.42
Convertible Preferred Stocks	15,848,192.03	4.16	6,342,900.64	3.80
Common Stocks	<u>203,065,247.09</u>	<u>4.27</u>	<u>240,508,011.57</u>	<u>4.45</u>
TOTAL - EQUITY SECURITIES	<u>231,872,239.66</u>	<u>4.32</u>	<u>256,948,202.21</u>	<u>4.47</u>
TOTAL - LONG TERM INVESTMENTS	<u>612,570,824.09</u>	<u>4.72</u>	<u>629,881,849.15</u>	<u>4.90</u>
<u>CASH & EQUIVALENT:</u>				
Short Term U. S. Treasury Securities	--	--	13,613,651.59	5.89
Commercial Paper	2,500,000.00	<u>5.15</u>	18,311,100.00	<u>6.93</u>
Investment Transactions--				
Accounts Receivable	821,675.69		--	
Accounts Payable	1,703.70		--	
Cash	<u>339,143.68</u>		<u>401,511.94</u>	
TOTAL - CASH & EQUIVALENT	<u>3,662,523.07</u>		<u>32,326,263.53</u>	<u>6.41</u>
TOTAL - SECURITIES, CASH & EQUIVALENT	<u>\$616,233,347.16</u>	<u>4.72%</u>	<u>\$662,208,112.68*</u>	<u>4.97%</u>

*Includes \$39,175,306.06 Realized Net Profit

Indicated Annual Income \$ 29,086,213.00 \$ 32,911,743.20

SUMMARY OF TRANSACTIONS
April 30, 1973

	<u>Cost</u>	<u>Yield at Cost</u>
Purchases:		
U. S. Treasury Securities	\$ 5,828,296.88	6.70%
TOTAL LONG TERM PURCHASES	<u>\$ 5,828,296.88</u>	<u>6.70%</u>
	<u>Proceeds</u>	<u>Gain or (Loss)</u>
Bond Maturities and Prepayments:		
U. S. Government Obligations--		
Government Agencies	\$ 293,453.96	(\$ 12,004.02)
FHA Mortgages	163,678.58	-0-
Corporate Bonds	<u>19,200.00</u>	<u>1,252.57</u>
TOTAL BOND MATURITIES AND PREPAYMENTS	<u>\$ 476,332.54</u>	<u>(\$ 10,751.45)</u>

PERMANENT UNIVERSITY FUND BOOK VALUE

March 31, 1973 Balance	\$656,575,102.85
Additions (April, 1973)	
Realized Net Gain or (Loss) on Security Transactions	(\$ 10,751.45)
From General Land Office	<u>5,643,761.28</u>
	<u>5,633,009.83</u>
April 30, 1973 Balance	<u>\$662,208,112.68</u>

INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Net Cost	Yield at Cost
<u>U. S. GOVERNMENT OBLIGATIONS:</u>				
<u>U. S. Treasury Securities--</u>				
\$1,450,000	4% Bonds, due 8/15/73	\$ 99.09	\$ 1,436,765.63	6.63%
450,000	4-1/4% Bonds, due 5/15/74	97.56	439,031.25	6.68
2,000,000	5-5/8% Notes, due 8/15/74	98.59	1,971,875.00	6.75
2,000,000	6% Notes, due 9/30/74	99.03	<u>1,980,625.00</u>	<u>6.71</u>
TOTAL - U. S. Government Obligations			<u>\$ 5,828,296.88</u>	<u>6.70%</u>
(TOTAL - INVESTMENTS ACQUIRED)				

INVESTMENTS DISPOSED OF

Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)
<u>BOND MATURITIES AND PREPAYMENTS</u>				
<u>U. S. GOVERNMENT OBLIGATIONS:</u>				
<u>Government Agencies--</u>				
\$ 37,648.40	Farmers Home Administration, Various Notes	\$100.00	\$ 37,648.40	\$ 76.45
255,805.56	GNMA, Various Pools	100.00	<u>255,805.56</u>	(<u>12,080.47</u>)
TOTAL - Government Agencies			<u>293,453.96</u>	(<u>12,004.02</u>)
<u>FHA Mortgages--</u>				
163,678.58	Principal Payments	100.00	<u>163,678.58</u>	<u>-0-</u>
TOTAL - U. S. Government Obligations			<u>457,132.54</u>	(<u>12,004.02</u>)
<u>CORPORATE BONDS:</u>				
9,200.00	The Dow Chemical Co. 5% Notes, due 4/1/91	100.00	9,200.00	926.22
10,000.00	Shell Oil Co. 4-1/2% Notes, due 4/15/90	100.00	<u>10,000.00</u>	<u>326.35</u>
TOTAL - Corporate Bonds			<u>19,200.00</u>	<u>1,252.57</u>
TOTAL - LONG TERM INVESTMENTS			<u>\$ 476,332.54</u>	(<u>\$ 10,751.45</u>)
(TOTAL - INVESTMENTS DISPOSED OF)				

PERMANENT UNIVERSITY FUND
(April, 1973)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD AT COST</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 1,450,000	U. S. Treasury Bonds, 4%, due 8/15/73	\$99.0873	\$ 1,436,765.63	6.63%
2,000,000	U. S. Treasury Notes, 5-5/8%, due 8/15/74	98.59375	1,971,875.00	6.75
2,000,000	U. S. Treasury Notes, 6%, due 9/30/74	99.03125	1,980,625.00	6.71
<u>450,000</u>	U. S. Treasury Bonds, 4-1/4%, due 5/15/74	97.5625	<u>439,031.25</u>	<u>6.68</u>
<u>\$ 5,900,000</u>	TOTAL BOND PURCHASES		<u>\$ 5,828,296.88</u>	<u>6.70%</u>

NOTE: There were no Bond Exchanges during the month of April, 1973 for the Permanent University Fund.

PERMANENT UNIVERSITY FUND
(April, 1973)

BOND MATURITIES AND PREPAYMENTS

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. S. Government Obligations</u>			
\$ 21,167.46	Farmers Home Admin. 6% Insured Notes, due 12/14/91	\$ 21,167.46	\$ 516.49
16,480.94	Farmers Home Admin. 5-3/4% Insured Notes, due 6/29/2001	16,480.94	(440.04)
12,637.23	GNMA, Pass-Through Pool #92, 8%, due 2/15/2001	12,637.23	(200.93)
9,569.84	GNMA, Pass-Through Pool #114, 8%, due 1/15/2001	9,569.84	(2,202.02)
38,150.60	GNMA, Pass-Through Pool #152, 8%, due 2/15/2001	38,150.60	(8,438.91)
7,065.97	GNMA, Pass-Through Pool #236, 8%, due 1/15/2001	7,065.97	(1,019.62)
32,539.80	GNMA, Pass-Through Pool #456, 8%, due 4/15/2001	32,539.80	(2,619.45)
17,721.64	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	17,721.64	(586.59)
31,384.62	GNMA, Pass-Through Pool #682, 7-1/2%, due 5/15/2001	31,384.62	(1,001.17)
872.14	GNMA, Pass-Through Pool #832, 6-1/2%, due 1/15/2002	872.14	38.81
807.42	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	807.42	33.99
9,634.62	GNMA, Pass-Through Pool #905, 6-1/2%, due 7/15/2001	9,634.62	568.44
9,687.23	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	9,687.23	26.16
456.12	GNMA, Pass-Through Pool #1029, 6-1/2%, due 12/15/2001	456.12	29.19
31,086.02	GNMA, Pass-Through Pool #1033, 6-1/2%, due 2/15/2002	31,086.02	1,308.72
968.96	GNMA, Pass-Through Pool #1157, 6-1/2%, due 1/15/2002	968.96	43.12
29,046.68	GNMA, Pass-Through Pool #1252, 6-1/2%, due 1/15/2002	29,046.68	932.40
17,334.46	GNMA, Pass-Through Pool #1306, 6-1/2%, due 1/15/2002	17,334.46	750.58
4,449.11	GNMA, Pass-Through Pool #1997, 6-1/2%, due 8/15/2002	4,449.11	226.90
2,393.10	GNMA, Pass-Through Pool #2084, 7%, due 9/15/2002	2,393.10	29.91
<u>293,453.96</u>	Total U. S. Government Obligations	<u>293,453.96</u>	(<u>12,004.02</u>)
<u>Corporate Bonds</u>			
9,200.00	The Dow Chemical Co. 5% Notes, due 4/1/91	9,200.00	926.22
<u>10,000.00</u>	Shell Oil Co. 4-1/2% Notes, due 4/15/90	<u>10,000.00</u>	<u>326.35</u>
<u>19,200.00</u>	Total Corporate Bonds	<u>19,200.00</u>	<u>1,252.57</u>
<u>\$ 312,653.96</u>	TOTAL BONDS MATURED AND PREPAID	<u>\$ 312,653.96</u>	(<u>\$ 10,751.45</u>)

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CASH STATEMENT
April 30, 1973

	Permanent Fund	Available Fund
<u>RECEIPTS:</u>		
From General Land Office	\$ 5,643,761.28	
From Disposition of Securities:		
U. S. Government Obligations		
Farmers Home Administration	37,648.40	
GNMA Principal Payments	255,805.56	
FHA Mortgages	163,678.58	
Corporate Bonds	19,200.00	
Interest Collected:		
U. S. Government Obligations		
U. S. Treasury Securities		\$ 166,696.21
Farmers Home Administration		346.28
GNMA Interest Payments		142,864.24
FHA Mortgages		81,450.30
Corporate Bonds		882,544.14
Convertible Debentures		102,710.00
Commercial Paper		104,643.77
Dividends Collected:		
Common and Preferred Stocks		948,717.05
Amortization of Premium	2,684.02	
TOTAL RECEIPTS	6,122,777.84	\$2,429,971.99
Cash on Hand 4/1/73	141,069.29	
TOTAL RECEIPTS AND CASH	\$ 6,263,847.13	

CASH STATEMENT
 April 30, 1973
 (Continued)

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>DISBURSEMENTS:</u>		
Securities Acquired:		
U. S. Government Obligations		
U. S. Treasury Securities	\$ 5,828,296.88	
Amortization of Discount	34,038.31	
To Clear Out Available Fund	<u> </u>	\$2,429,971.99
TOTAL DISBURSEMENTS	5,862,335.19	<u>\$2,429,971.99</u>
Cash on Hand 4/30/73	<u>401,511.94</u>	
TOTAL DISBURSEMENTS AND CASH	<u>\$ 6,263,847.13</u>	

For Month Ended May 31, 1973

I. PERMANENT UNIVERSITY FUND

PERMANENT UNIVERSITY FUND - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Permanent University Fund in May, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

COMPARISON
SUMMARY OF ASSETS

SECURITY	BOOK VALUE 5/31/72	BOOK YIELD 5/31/72	BOOK VALUE 5/31/73	BOOK YIELD 5/31/73
<u>DEBT SECURITIES:</u>				
U. S. Government Obligations--				
Treasury Bonds	\$105,470,752.89	4.32%	\$ 90,949,615.75	5.16%
Government Agencies	25,040,462.01	6.91	27,905,723.09	6.93
FHA Mortgages	15,990,847.48	6.86	14,425,950.11	7.01
TOTAL - U. S. Government Obligations	<u>146,502,062.38</u>	<u>5.04</u>	<u>133,281,288.95</u>	<u>5.73</u>
Corporate Bonds	<u>234,280,185.15</u>	<u>4.92</u>	<u>240,845,062.88</u>	<u>4.93</u>
TOTAL - DEBT SECURITIES	<u>380,782,247.53</u>	<u>4.97</u>	<u>374,126,351.83</u>	<u>5.22</u>
<u>EQUITY SECURITIES:</u>				
Convertible Debentures	12,958,800.54	5.27	10,097,290.00	5.42
Convertible Preferred Stocks	15,848,192.03	4.16	6,342,900.64	3.80
Common Stocks	209,170,175.88	4.31	240,508,011.57	4.46
TOTAL - EQUITY SECURITIES	<u>237,977,168.45</u>	<u>4.35</u>	<u>256,948,202.21</u>	<u>4.48</u>
TOTAL - LONG TERM INVESTMENTS	<u>618,759,415.98</u>	<u>4.73</u>	<u>631,074,554.04</u>	<u>4.92</u>
<u>CASH & EQUIVALENT:</u>				
Short Term U. S. Treasury Securities	--	--	15,276,463.75	5.95
Commercial Paper	--	--	17,441,100.00	6.97
Investment Transactions--				
Accounts Receivable	899,225.55		109,374.27	
Cash	<u>524,517.69</u>		<u>464,931.00</u>	
TOTAL - CASH & EQUIVALENT	<u>1,423,743.24</u>		<u>33,291,869.02</u>	<u>6.38</u>
TOTAL - SECURITIES, CASH & EQUIVALENT	<u>\$620,183,159.22</u>	<u>4.72%</u>	<u>\$664,366,423.06*</u>	<u>4.99%</u>

*Includes \$39,170,864.96 Realized Net Profit

Indicated Annual Income \$ 29,272,645.12 \$ 33,151,884.51

SUMMARY OF TRANSACTIONS
May 31, 1973

	<u>Cost</u>	<u>Yield at Cost</u>
Purchases:		
U. S. Treasury Securities	\$ 1,627,820.31	6.91%
Corporate Bonds	<u>1,501,550.00</u>	<u>7.67</u>
TOTAL LONG TERM PURCHASES	<u>\$ 3,129,370.31</u>	<u>7.27%</u>
	<u>Proceeds</u>	<u>Gain or (Loss)</u>
Bond Maturities and Prepayments:		
U. S. Government Obligations--		
Government Agencies	\$ 180,664.09	(\$ 4,441.10)
FHA Mortgages	<u>151,936.95</u>	<u>-0-</u>
TOTAL BOND MATURITIES AND PREPAYMENTS	<u>\$ 332,601.04</u>	<u>(\$ 4,441.10)</u>

BOND EXCHANGES

<u>Par Exchanged</u>	<u>Increase in Annual Income</u>
\$350,000	\$2,300.87

PERMANENT UNIVERSITY FUND BOOK VALUE

April 30, 1973 Balance		\$662,208,112.68
Additions (May, 1973)		
Realized Net Gain or (Loss) on Security Transactions	(\$ 4,441.10)	
From General Land Office	<u>2,162,751.48</u>	<u>2,158,310.38</u>
May 31, 1973 Balance		<u>\$664,366,423.06</u>

INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Net Cost	Yield at Cost
<u>U. S. GOVERNMENT OBLIGATIONS:</u>				
<u>U. S. Treasury Securities--</u>				
\$ 450,000	4-1/4% Bonds, due 5/15/74	\$ 97.765	\$ 439,945.31	6.61%
400,000	7-1/4% Notes, due 5/15/74	100.219	400,875.00	7.01
800,000	5-5/8% Notes, due 8/15/74	98.375	<u>787,000.00</u>	<u>7.02</u>
TOTAL - U. S. Government Obligations			<u>1,627,820.31</u>	<u>6.91</u>
<u>CORPORATE BONDS:</u>				
500,000	Columbia Gas System, Inc. 7-1/2% Debs., due 5/1/98	97.75	488,750.00	7.70
500,000	Louisiana Power & Light Co. 7-7/8% 1st Mtge., due 4/1/01	102.56	512,800.00	7.65
500,000	Tucson Gas & Electric Co. 7.65% 1st Mtge., due 5/1/03	100.00	<u>500,000.00</u>	<u>7.65</u>
TOTAL - Corporate Bonds			<u>1,501,550.00</u>	<u>7.67</u>
<u>COMMON STOCKS:</u>				
128,200 Shs.	American Home Products Corp., 3-for-1 split	--	--	--
17,538 "	The Dow Chemical Co., 2-for-1 split	--	--	--
40,000 "	Hercules, Inc., 2-for-1 split	--	--	--
46,300 "	Rochester Telephone Corp., 2-for-1 split	--	--	--
TOTAL - LONG TERM INVESTMENTS			<u>3,129,370.31</u>	<u>7.27</u>
<u>COMMERCIAL PAPER:</u>				
\$ 956,000	Ford Motor Credit Co.	100.00	956,000.00	6.91
550,000	Sears Roebuck Acceptance Corp.	100.00	<u>550,000.00</u>	<u>6.89</u>
TOTAL - Commercial Paper			<u>1,506,000.00</u>	<u>6.90</u>
<u>BONDS EXCHANGED IN:</u>				
350,000	See Bond Exchange Schedule for Detail		<u>289,970.26</u>	<u>5.01</u>
TOTAL - INVESTMENTS ACQUIRED			<u>\$ 4,925,340.57</u>	<u>7.02%</u>

INVESTMENTS DISPOSED OF

Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)	
<u>BOND MATURITIES AND PREPAYMENTS</u>					
<u>U. S. GOVERNMENT OBLIGATIONS:</u>					
	<u>Government Agencies--</u>				
\$180,664.09	GNMA, Various Pools	\$100.00	\$ 180,664.09	(\$ 4,441.10)	
	<u>FHA Mortgages--</u>				
151,936.95	Principal Payments	100.00	<u>151,936.95</u>	<u>-0-</u>	
	TOTAL - U. S. Government Obligations		<u>332,601.04</u>	(<u>4,441.10</u>)	
	(TOTAL - LONG TERM INVESTMENTS)				
<u>COMMERCIAL PAPER:</u>					
\$1,476,000	Ford Motor Credit Co.	100.00	1,476,000.00	-0-	
900,000	Sears Roebuck Acceptance Corp.	100.00	<u>900,000.00</u>	<u>-0-</u>	
	TOTAL - Commercial Paper		<u>2,376,000.00</u>	<u>-0-</u>	
<u>BONDS EXCHANGED OUT:</u>					
350,000	See Bond Exchange Schedule for Detail		<u>310,819.76</u>	<u>-0-</u>	<u>Book Yield 4.42%</u>
	TOTAL - INVESTMENTS DISPOSED OF		<u>\$ 3,019,420.80</u>	(<u>\$ 4,441.10</u>)	

PERMANENT UNIVERSITY FUND

SUMMARY OF BOND EXCHANGES

May, 1973

<u>Exchanges</u>	<u>Par Value Exchanged</u>	<u>Book Value</u>		<u>Principal Takeout or (Payup) Required</u>	<u>Increase in Annual Income*</u>
		<u>Issue Exchanged</u>	<u>Issue Received</u>		
Corporate Bonds for Corporate Bonds	<u>\$350,000</u>	<u>\$310,819.76</u>	<u>\$289,970.26</u>	<u>\$ 20,849.50</u>	<u>\$ 2,300.87</u>

*Total income improvement includes income from investment of takeout on exchanges at current market yields.

PERMANENT UNIVERSITY FUND
BOND EXCHANGES
(May, 1973)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK YIELD IN- CREASE</u>	<u>NEW BOOK YIELD</u>
			<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>		
<u>Corporate Bonds for Corporate Bonds</u>						
\$ 350,000	Illinois Bell Tel. Co. 3-1/8% 1st Mtge., due 4/1/84	Mountain States Tel. & Tel. Co. 3-1/2% Debs., due 6/1/90	\$ 310,819.76	\$ 289,970.26	.59%	5.01%
					\$ 2,300.87* (Total Income Improvement)	

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

BOND PURCHASES
(May, 1973)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD AT COST</u>
		<u>UNIT</u>	<u>TOTAL</u>	
<u>U. S. Treasuries</u>				
\$ 450,000	U. S. Treasury Bonds, 4-1/4%, due 5/15/74	\$ 97.765625	\$ 439,945.31	6.61%
800,000	U. S. Treasury Notes, 5-5/8%, due 8/15/74	98.375	787,000.00	7.02
400,000	U. S. Treasury Notes, 7-1/4%, due 5/15/74	100.21875	400,875.00	7.01
<u>1,650,000</u>	Total U. S. Treasuries		<u>1,627,820.31</u>	<u>6.91</u>
<u>Corporate Bonds</u>				
500,000	Tucson Gas & Elec. Co. 7.65% 1st Mtge., due 5/1/2003	100.00	500,000.00	7.65
500,000	Louisiana Power & Light Co. 7-7/8% 1st Mtge., due 4/1/2001	102.56	512,800.00	7.65
500,000	Columbia Gas System, Inc. 7-1/2% Debs., due 5/1/98	97.75	488,750.00	7.703
<u>1,500,000</u>	Total Corporate Bonds		<u>1,501,550.00</u>	<u>7.67</u>
<u>\$ 3,150,000</u>	TOTAL BONDS PURCHASED		<u>\$ 3,129,370.31</u>	<u>7.27%</u>

PERMANENT UNIVERSITY FUND
BOND MATURITIES AND PREPAYMENTS
 (May, 1973)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
\$ 2,356.59	GNMA, Pass-Through Pool #92, 8%, due 2/15/2001	\$ 2,356.59	(\$ 37.47)
335.53	GNMA, Pass-Through Pool #114, 8%, due 1/15/2001	335.53	(77.21)
24,520.53	GNMA, Pass-Through Pool #152, 8%, due 2/15/2001	24,520.53	(5,423.94)
702.08	GNMA, Pass-Through Pool #236, 8%, due 1/15/2001	702.08	(101.31)
1,301.20	GNMA, Pass-Through Pool #456, 8%, due 4/15/2001	1,301.20	(104.75)
7,979.51	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	7,979.51	(264.12)
40,375.46	GNMA, Pass-Through Pool #682, 7-1/2%, due 5/15/2001	40,375.46	(1,279.90)
4,363.46	GNMA, Pass-Through Pool #832, 6-1/2%, due 1/15/2002	4,363.46	194.17
5,706.94	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	5,706.94	240.26
7,134.10	GNMA, Pass-Through Pool #905, 6-1/2%, due 7/15/2001	7,134.10	420.91
4,655.15	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	4,655.15	12.57
5,435.83	GNMA, Pass-Through Pool #1029, 6-1/2%, due 12/15/2001	5,435.83	347.89
1,783.73	GNMA, Pass-Through Pool #1033, 6-1/2%, due 2/15/2002	1,783.73	75.10
1,871.21	GNMA, Pass-Through Pool #1105, 6-1/2%, due 1/15/2002	1,871.21	68.68
974.61	GNMA, Pass-Through Pool #1157, 6-1/2%, due 1/15/2002	974.61	43.37
9,897.78	GNMA, Pass-Through Pool #1252, 6-1/2%, due 1/15/2002	9,897.78	317.72
7,335.84	GNMA, Pass-Through Pool #1306, 6-1/2%, due 1/15/2002	7,335.84	317.64
3,509.10	GNMA, Pass-Through Pool #1997, 6-1/2%, due 8/15/2002	3,509.10	178.97
<u>50,425.44</u>	GNMA, Pass-Through Pool #2084, 7%, due 9/15/2002	<u>50,425.44</u>	<u>630.32</u>
<u>\$ 180,664.09</u>	TOTAL BONDS MATURED AND PREPAID	<u>\$ 180,664.09</u>	<u>(\$ 4,441.10)</u>

CASH STATEMENT
May 31, 1973

	Permanent Fund	Available Fund
<u>RECEIPTS:</u>		
From General Land Office	\$ 2,162,751.48	
From Disposition of Securities		
U. S. Government Obligations		
GNMA Principal Payments	180,664.09	
FHA Mortgages	151,936.95	
Commercial Paper	2,376,000.00	
Bond Exchanges - Net Receipts	20,849.50	
Interest Collected:		
U. S. Government Obligations		
U. S. Treasury Securities		\$ 169,429.85
GNMA Interest Payments		163,549.08
FHA Mortgages		96,475.00
Corporate Bonds		1,155,961.14
Convertible Debentures		32,500.00
Commercial Paper		77,241.34
Dividends Collected:		
Common and Preferred Stocks		285,010.95
Amortization of Premium	4,830.61	
TOTAL RECEIPTS	4,897,032.63	\$1,980,167.36
Cash on Hand 5/1/73	401,511.94	
TOTAL RECEIPTS AND CASH	\$ 5,298,544.57	

CASH STATEMENT
 May 31, 1973
 (Continued)

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>DISBURSEMENTS:</u>		
Securities Acquired:		
U. S. Government Obligations		
U. S. Treasury Securities	\$ 1,627,820.31	
Corporate Bonds	1,501,550.00	
Commercial Paper	1,506,000.00	
Amortization of Discount	88,868.99	
To Clear Out Available Fund		<u>\$1,980,167.36</u>
TOTAL DISBURSEMENTS	<u>4,724,239.30</u>	<u>\$1,980,167.36</u>
Cash and Receivables 5/31/73:		
Cash on Hand	464,931.00	
Accounts Receivable	<u>109,374.27</u>	
TOTAL CASH AND RECEIVABLES	<u>574,305.27</u>	
TOTAL DISBURSEMENTS, CASH AND RECEIVABLES 5/31/73	<u>\$ 5,298,544.57</u>	

For Month Ended April 30, 1973

II. TRUST AND SPECIAL FUNDS

TRUST AND SPECIAL FUNDS - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Trust and Special Funds in April, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

INVESTMENTS ACQUIRED

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Cost</u>	<u>Yield at Cost</u>
	<u>U. S. GOVERNMENT OBLIGATIONS:</u>		
	See Bond Purchase Schedule for Detail		
\$400,000.00	U.T. System - General Tuition Revenue Bonds, Series 1971, 1972, 1972A & 1973 - Reserve Fund	\$ 415,000.00	7.67%
75,689.59	U.T. El Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	<u>78,527.95</u>	<u>7.67</u>
	TOTAL - U. S. Government Obligations (TOTAL - LONG TERM INVESTMENTS)	<u>\$ 493,527.95</u>	<u>7.67%</u>
	<u>SHORT TERM PAPER:</u>		
\$ 25,000	FMC 6-3/4% Note, due 5/17/73 (Office of Investments, Trusts & Lands - Clearing Account)	\$ 25,000.00	6.81%
231,700	GMAC 6-7/8% Note, due 5/31/73 (\$109,000 - Common Trust Fund - Undistributed Receipts 3,000 - Common Trust Fund 13,200 - Jack G. Taylor Endowment Fund 2,000 - Ford Foundation Grant for Hogg Fdn. - Consultation Service for Local Fdns. in Southwest 1,300 - Hogg Fdn. - WCH - Varner Properties Unappropriated Balance 36,900 - Murray Case Sells Fdn. 1,000 - Student Property Deposit Scholarship Fund 1,100 - Texas Union Building Fund 10,000 - Littlefield Fund for Southern History - Reserve for Publications 14,000 - W. A. (Bill) Cunningham Professorship - Col. of EF 1,400 - Albert Noyes Distinguished Visiting Lecture Fund 11,700 - Hogg Fdn.: Will C. Hogg Fund 2,000 - The Morton Brown, Nellie Lea Brown and Minelma Brown Lockwood Scholarship Fund in Drama - FAF	231,700.00	6.94

(Continued on next page)

INVESTMENTS ACQUIRED
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Cost</u>	<u>Yield at Cost</u>
	<u>SHORT TERM PAPER: (Continued)</u>		
	GMAC 6-7/8% Note, due 5/31/73 (Continued)		
	(\$ 5,300 - Ward C. Mayborn Journalism Scholarship		
	5,000 - Charles Morton Share Trust Graduate Fellowship Fund		
	1,000 - Jennie and Carl Sundberg Scholarship - A&S Fdn.		
	1,900 - The James W. McLaughlin Fellowship Fund - GMB		
	4,300 - Sealy and Smith Fdn. - Mont- gomery County Lands - GMB		
	4,600 - George and Magnolia W. Sealy Memorial Fund - GMB		
	3,000 - Dr. Wayne V. Ramsey, Sr. Lectureship in Radiology - GMB)		
\$ 38,300	GMAC 6-7/8% Note, due 5/31/73 (\$ 28,200 - Common Trust Fund - Undistributed Receipts	\$ 38,300.00	6.92%
	6,200 - Maud McCain Harding Fund		
	1,700 - W. A. (Bill) Cunningham Pro- fessorship - Col. of EF		
	2,200 - Leo G. Blackstock Memorial Fund - Col. of BAF)		
49,000	SRAC 6-7/8% Note, due 5/31/73 (\$ 13,000 - Common Trust Fund	49,000.00	6.92
	2,000 - Hal P. Bybee Memorial Fund - Geology Fdn.		
	24,000 - The Robertson-Poth Charitable Remainder Trust - GMB		
	10,000 - College of Engineering - Ford Fdn. Grant - Various Purposes)		
175,000	FMC 6-3/4% Note, due 10/9/73 (\$ 25,000 - Office of Investments, Trusts & Lands - Clearing Account	175,000.00	7.00
	150,000 - Damage Payments for West Texas Lands)		

INVESTMENTS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
<u>U. S. GOVERNMENT OBLIGATIONS:</u>			
See Bond Maturities and Prepayments Schedule for Detail			
\$ 13,155.10	Common Trust Fund	\$ 13,155.10	(\$ 254.45)
1,917.43	The William Buchanan Chair in Internal Medicine - DMS	1,917.43	(30.70)
65.87	Reserve for Possible Fire Losses - Temporary Student Housing Units	65.87	0.82
153.83	Texas Union Building Fund	153.83	13.91
2,516.78	Student Property Deposit Scholarship Fund	2,516.78	12.73
379.29	Student Property Deposit Scholarship Fund - Temporary	379.29	11.75
1,449.23	U.T. System - General Tuition Revenue Bonds, Series 1971, 1972, 1972A, & 1973 - Reserve Fund	1,449.23	77.03
1,881.01	U.T. Austin - Dormitory Revenue Bond Fund, Series 1954 - Reserve Fund	1,881.01	(15.94)
374.02	U.T. Austin - Dormitory Revenue Bonds Fund, Series 1956 - Reserve Fund	374.02	(13.22)
3,000.47	U.T. Austin - Student Housing Revenue Bonds of 1963 - Reserve Fund	3,000.47	8.05
5,929.96	U.T. Austin - Housing System Revenue Fond, Series 1967 - Reserve Fund	5,929.96	144.01
12,807.15	U.T. Austin - Building Revenue Bonds, Series 1969 - Utility Plant - Student Fee Revenue Bonds - Reserve Fund	12,807.15	(631.73)
2,613.40	U.T. Austin - Combined Fee Revenue Bonds, Series 1970, 1971 & 1972 - Reserve Fund	2,613.40	131.86
716.12	U.T. Austin - Student Union Revenue Bonds, Series 1958 - Reserve Fund	716.12	14.80
4,241.23	Galveston Medical Branch - Dormitory Revenue Bonds, Series 1955 - Reserve Fund	4,241.23	0.11
807.19	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Interest & Sinking Fund	807.19	48.43
1,914.80	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Reserve Fund	1,914.80	111.32
28.63	U.T. El Paso - Student Housing Revenue Bonds of 1961 - Reserve Fund	28.63	0.84
3,548.18	U.T. El Paso - Building Revenue Bonds, Series 1969 - Reserve Fund	3,548.18	58.79
1,514.83	U.T. El Paso - Student Union Building Revenue Bonds, Series A and B, 1967 - Reserve Fund	1,514.83	(2.60)
1,935.94	U.T. El Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	1,935.94	82.99
1,248.67	U.T. Arlington - Housing System Revenue Bonds - Series 1963 - Reserve Fund	1,248.67	1.35
1,502.48	U.T. Arlington - Student Center Fee Bonds, Series 1960 - Reserve Fund	1,502.48	-0-

INVESTMENTS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
<u>U. S. GOVERNMENT OBLIGATIONS: (Continued)</u>			
\$ 1,549.43	U.T. Arlington - Gymnasium Fee Bonds - Series 1961 - Reserve Fund	\$ 1,549.43	\$ -0-
1,033.11	U.T. Arlington - Student Fee Revenue Bonds - Series 1964, Series 1966, and Series 1968 - Reserve Fund	1,033.11	51.37
69.44	U.T. Arlington - Combined Fee Revenue Bonds, Series 1971, 1971A & 1973 - Reserve Fund	<u>69.44</u>	<u>3.33</u>
	TOTAL - U. S. Government Obligations	<u>66,353.59</u>	(<u>175.15</u>)
 <u>CORPORATE BONDS:</u>			
See Bond Maturities and Prepayments Schedule for Detail			
2,083.33	Jack G. Taylor Endowment Fund	<u>2,083.33</u>	<u>-0-</u>
	TOTAL - LONG TERM INVESTMENTS MATURED AND PREPAID	<u>\$ 68,436.92</u>	(<u>\$ 175.15</u>)
 <u>SHORT TERM PAPER:</u>			
2,000.00	GMAC 6.00% Note, due 4/16/73 (Common Trust Fund)	\$ 2,000.00	-0-
16,800.00	City National Bank 5-3/8% CD, due 4/24/73 (The Lydia K. Karcher Fund for Medical Excellence - DMS)	16,800.00	-0-

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(April, 1973)

BOND MATURITIES AND PREPAYMENTS

<u>PAR</u>			<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>VALUE</u>	<u>ISSUE</u>			
	<u>U. S. Government Obligations</u>			
\$ 130.65	GNMA, Pass-Through Pool #95, 8%, due 12/15/2000		\$ 130.65	(\$ 7.11)
1,763.76	GNMA, Pass-Through Pool #163, 8%, due 2/15/2001		1,763.76	(95.95)
64.48	GNMA, Pass-Through Pool #548, 8%, due 4/15/2001		64.48	(3.51)
536.49	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001		536.49	(29.19)
124.66	GNMA, Pass-Through Pool #708, 6-1/2%, due 11/15/2001		124.66	5.27
494.29	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002		494.29	48.74
<u>10,040.77</u>	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001		<u>10,040.77</u>	(<u>172.70</u>)
<u>\$ 13,155.10</u>			<u>\$ 13,155.10</u>	<u>(\$ 254.45)</u>

JACK G. TAYLOR ENDOWMENT FUND
(April, 1973)

BOND MATURITIES AND PREPAYMENTS

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>\$ 2,083.33</u>	Universal Tel., Inc. 8% Sub. Conv. Note, due 4/1/75	<u>\$ 2,083.33</u>	-0-

THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL
(April, 1973)

BOND MATURITIES AND PREPAYMENTS

\$ 1,861.43	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	\$ 1,861.43	(\$ 34.99)
<u>56.00</u>	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	<u>56.00</u>	<u>4.29</u>
<u>\$ 1,917.43</u>		<u>\$ 1,917.43</u>	<u>(\$ 30.70)</u>

U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971, 1972, 1972A & 1973 - RESERVE FUND
(April, 1973)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST TOTAL</u>	<u>YIELD AT COST</u>
\$100,000.00	GNMA, Pass-Through Pool #194, 8%, due 1/15/2001	\$103.75	\$103,750.00	7.67%
200,000.00	GNMA, Pass-Through Pool #2283, 8%, due 9/15/2001	103.75	207,500.00	7.67
<u>100,000.00</u>	GNMA, Pass-Through Pool #2308, 8%, due 4/15/2001	103.75	<u>103,750.00</u>	<u>7.67</u>
<u>\$400,000.00</u>			<u>\$415,000.00</u>	<u>7.67%</u>

U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND
(April, 1973)

BOND PURCHASES

<u>\$ 75,689.59</u>	GNMA, Pass-Through Pool #194, 8%, due 1/15/2001	\$103.75	<u>\$ 78,527.95</u>	<u>7.67%</u>
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GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS
(April, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 65.87	\$ 0.82
<u>TEXAS UNION BUILDING FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 153.83	\$ 13.91
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 524.13	(\$ 14.78)
GNMA, Pool #184, 8%, due 4/1/2001	1,371.01	-0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	164.81	0.10
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	456.83	27.41
	<u>\$ 2,516.78</u>	<u>\$ 12.73</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 194.75	\$ 4.17
GNMA, Pool #852, 6-1/2%, due 1/15/2002	184.54	7.58
	<u>\$ 379.29</u>	<u>\$ 11.75</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971, 1972, 1972A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 77.79	\$ 3.29
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	456.59	22.05
GNMA, Pool #1745, 6-1/2%, due 9/15/2002	914.85	51.69
	<u>\$ 1,449.23</u>	<u>\$ 77.03</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,596.38	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	284.63	(15.94)
	<u>\$ 1,881.01</u>	<u>(\$ 15.94)</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND:</u>		
GNMA, Pool #548, 8%, due 4/15/2001	\$ 58.56	(\$ 3.28)
GNMA, Pool #650, 8%, due 4/15/2001	315.46	(9.94)
	<u>\$ 374.02</u>	<u>(\$ 13.22)</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 2,385.18	\$ -0-
GNMA, Pool #650, 8%, due 4/15/2001	315.46	(9.94)
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	299.83	17.99
	<u>\$ 3,000.47</u>	<u>\$ 8.05</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(April, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. AUSTIN - HOUSING SYSTEM REVENUE BONDS, SERIES 1967 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,781.68	\$ 102.45
GNMA, Pool #184, 8%, due 4/1/2001	1,427.35	-0-
GNMA, Pool #548, 8%, due 4/15/2001	95.62	(5.35)
GNMA, Pool #650, 8%, due 4/15/2001	1,205.53	(37.97)
GNMA, Pool #708, 6-1/2%, due 11/15/2001	38.85	1.88
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	80.53	4.98
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>1,300.40</u>	<u>78.02</u>
	<u>\$ 5,929.96</u>	<u>\$ 144.01</u>
<u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u>		
<u>UTILITY PLANT - STUDENT FEE REVENUE BONDS - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 11,460.87	(\$ 648.68)
GNMA, Pool #548, 8%, due 4/15/2001	77.83	(4.36)
GNMA, Pool #920, 8%, due 9/15/2001	<u>1,268.45</u>	<u>21.31</u>
	<u>\$ 12,807.15</u>	<u>(\$ 631.73)</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970, 1971 & 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 328.67	\$ -0-
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	417.67	19.84
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>1,867.06</u>	<u>112.02</u>
	<u>\$ 2,613.40</u>	<u>\$ 131.86</u>
<u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 469.52	\$ -0-
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>246.60</u>	<u>14.80</u>
	<u>\$ 716.12</u>	<u>\$ 14.80</u>
<u>GALVESTON MEDICAL BRANCH - DORMITORY REVENUE BONDS, SERIES 1955 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 4,056.69	\$ -0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>184.54</u>	<u>0.11</u>
	<u>\$ 4,241.23</u>	<u>\$ 0.11</u>
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>INTEREST & SINKING FUND:</u>		
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>\$ 807.19</u>	<u>\$ 48.43</u>
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #1279, 6-1/2%, due 7/15/2002	\$ 866.94	\$ 49.42
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	606.41	36.38
GNMA, Pool #1710, 6-1/2%, due 9/15/2002	<u>441.45</u>	<u>25.52</u>
	<u>\$ 1,914.80</u>	<u>\$ 111.32</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(April, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. EL PASO - STUDENT HOUSING REVENUE BONDS OF 1961 - RESERVE FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 28.63	\$ 0.84
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,612.93	\$ 33.55
GNMA, Pool #184, 8%, due 4/1/2001	1,389.79	-0-
GNMA, Pool #920, 8%, due 9/15/2001	223.48	5.34
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	321.98	19.90
	<u>\$ 3,548.18</u>	<u>\$ 58.79</u>
<u>U. T. EL PASO - STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B, 1967 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,483.70	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	31.13	(2.60)
	<u>\$ 1,514.83</u>	<u>(\$ 2.60)</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>		
GNMA, Pool #920, 8%, due 9/15/2001	\$ 746.58	\$ 11.57
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	35.84	2.21
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	1,153.52	69.21
	<u>\$ 1,935.94</u>	<u>\$ 82.99</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,220.76	\$ -0-
GNMA, Pool #708, 6-1/2%, due 11/15/2001	27.91	1.35
	<u>\$ 1,248.67</u>	<u>\$ 1.35</u>
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,502.48	\$ -0-
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,549.43	\$ -0-
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 847.03	\$ 56.24
GNMA, Pool #548, 8%, due 4/15/2001	128.97	(7.22)
GNMA, Pool #852, 6-1/2%, due 1/15/2002	57.11	2.35
	<u>\$ 1,033.11</u>	<u>\$ 51.37</u>
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971, 1971A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 39.91	\$ 1.93
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	29.53	1.40
	<u>\$ 69.44</u>	<u>\$ 3.33</u>

For Month Ended May 31, 1973

II. TRUST AND SPECIAL FUNDS

TRUST AND SPECIAL FUNDS - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Trust and Special Funds in May, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

COMPARISON
SUMMARY OF ASSETS
THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

SECURITY	BOOK VALUE 5/31/72	BOOK YIELD 5/31/72	BOOK VALUE 5/31/73	BOOK YIELD 5/31/73
<u>DEBT SECURITIES:</u>				
U. S. Governments	\$ 792,091.43	7.79%	\$ 1,760,779.99	7.56%
Corporate Bonds	<u>8,590,831.55</u>	<u>7.00</u>	<u>11,899,657.90</u>	<u>7.27</u>
TOTAL - DEBT SECURITIES	<u>9,382,922.98</u>	<u>7.07</u>	<u>13,660,437.89</u>	<u>7.31</u>
<u>EQUITY SECURITIES:</u>				
Convertible Debentures	422,535.00	4.84	394,250.00	6.14
Convertible Preferred Stocks	369,107.65	3.26	212,121.60	3.21
Common Stocks	<u>11,480,695.81</u>	<u>3.95</u>	<u>20,556,215.90</u>	<u>3.99</u>
TOTAL - EQUITY SECURITIES	<u>12,272,338.46</u>	<u>3.96</u>	<u>21,162,587.50</u>	<u>4.02</u>
TOTAL - LONG TERM INVESTMENTS	<u>21,655,261.44</u>	<u>5.31</u>	<u>34,823,025.39</u>	<u>5.31</u>
<u>CASH & EQUIVALENT:</u>				
Short Term Notes	-0-		2,331,475.00	<u>7.06</u>
Cash	<u>70,194.37</u>		<u>2,283,209.52</u>	
TOTAL - CASH & EQUIVALENT	<u>70,194.37</u>		<u>4,614,684.52</u>	
TOTAL - COMMON TRUST FUND SECURITIES, CASH & EQUIVALENT	<u>\$21,725,455.81</u>	<u>5.29%</u>	<u>\$39,437,709.91</u>	<u>5.11%</u>
Total Market Value	\$23,640,656.05		\$39,887,123.62	
Unit Value		\$2.328789337		\$2.29946194
Indicated Rate of Income per Unit		10.03¢		11.57¢
Yield on Market		4.94%		5.03%

INVESTMENTS ACQUIRED

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Cost</u>	<u>Yield at Cost</u>
<u>CORPORATE BONDS:</u>			
See Bond Purchase Schedule for Detail			
\$ 2,000	William Stamps Farish Chair in Geology	\$ 1,534.36	5.75%
5,000	Ima Hogg Foundation	<u>4,498.85</u>	<u>5.20</u>
	TOTAL - Corporate Bonds	<u>6,033.21</u>	<u>5.34%</u>
<u>COMMON STOCKS:</u>			
See Stock Purchase Schedule for Detail			
	The Robertson-Poth Charitable Remainder Trust - GMB	48,685.84	5.62%
	The Lydia K. Karcher Fund for Medical Excellence - DMS	<u>16,412.83</u>	<u>4.46</u>
	TOTAL - Common Stocks	<u>65,098.67</u>	<u>5.33%</u>
	TOTAL - LONG TERM INVESTMENTS	<u>\$ 71,131.88</u>	
<u>SHORT TERM PAPER:</u>			
156,700	GMAC 6-1/2% Note, due 5/31/73 (\$150,000 - The Robert A. Welch Chair in Chemistry - HMS 6,700 - Common Trust Fund - Undistributed Receipts)	\$ 156,700.00	6.53%
100,000	FMC 6-7/8% Note, due 5/31/73 (\$ 82,000 - Common Trust Fund - Undistributed Receipts 13,000 - W. C. Hogg Fund 5,000 - Madeline Kavanagh Fund - AH)	100,000.00	6.90
70,000	FMC 7-1/8% Note, due 10/9/73 (Damage Payments for West Texas Lands)	70,000.00	7.32
6,000	FMC 6-1/4% Note, due 6/6/73 (System Development Office - Projects and Publications)	6,000.00	6.35
<u>BONDS EXCHANGED IN:</u>			
See Bond Exchange Schedule for Detail			
55,000	Common Trust Fund	35,191.97	7.20

INVESTMENTS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
<u>U. S. GOVERNMENT OBLIGATIONS:</u>			
See Bond Maturities and Prepayments Schedule for Detail			
\$ 15,170.71	Common Trust Fund	\$ 15,170.71	(\$ 56.77)
1,233.98	The William Buchanan Chair in Internal Medicine - DMS	1,233.98	14.56
465.57	Reserve for Possible Fire Losses - Temporary Student Housing Units	465.57	5.77
1,087.30	Texas Union Building Fund	1,087.30	98.29
2,242.94	Student Property Deposit Scholarship Fund	2,242.94	(22.75)
2,187.22	Student Property Deposit Scholarship Fund - Temporary	2,187.22	72.15
6,681.39	U.T. System - General Tuition Revenue Bonds, Series 1971, 1972, 1972A & 1973 - Reserve Fund	6,681.39	329.70
341.44	U.T. Austin - Dormitory Revenue Bond Fund, Series 1954 - Reserve Fund	341.44	(16.05)
201.01	U.T. Austin - Dormitory Revenue Bonds Fund, Series 1956 - Reserve Fund	201.01	(7.77)
265.20	U.T. Austin - Student Housing Revenue Bonds of 1963 - Reserve Fund	265.20	(2.04)
5,293.78	U.T. Austin - Housing System Revenue Bonds, Series 1967 - Reserve Fund	5,293.78	241.69
21,857.02	U.T. Austin - Building Revenue Bonds, Series 1969 - Utility Plant - Student Fee Revenue Bonds - Reserve Fund	21,857.02	(1,171.15)
5,245.84	U.T. Austin - Combined Fee Revenue Bonds, Series 1970, 1971 & 1972 - Reserve Fund	5,245.84	251.60
50.07	U.T. Austin - Student Union Revenue Bonds, Series 1958 - Reserve Fund	50.07	2.00
1,443.66	Galveston Medical Branch - Dormitory Revenue Bonds, Series 1955 - Reserve Fund	1,443.66	0.78
111.09	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Interest & Sinking Fund	111.09	6.54
1,379.62	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Reserve Fund	1,379.62	79.48
202.33	U.T. El Paso - Student Housing Revenue Bonds of 1961 - Reserve Fund	202.33	5.97
6,971.47	U.T. El Paso - Building Revenue Bonds, Series 1969 - Reserve Fund	6,971.47	300.78
82.29	U.T. El Paso - Student Union Building Revenue Bonds, Series A and B, 1967 - Reserve Fund	82.29	(2.61)
944.57	U.T. El Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	944.57	41.32
168.47	U.T. Arlington - Housing System Revenue Bonds - Series 1963 - Reserve Fund	168.47	6.01
51.59	U.T. Arlington - Student Center Fee Bonds, Series 1960 - Reserve Fund	51.59	-0-

INVESTMENTS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>	
<u>U. S. GOVERNMENT OBLIGATIONS: (Continued)</u>				
\$ 53.20	U.T. Arlington - Gymnasium Fee Bonds - Series 1961 - Reserve Fund	\$ 53.20	\$ -0-	
2,098.10	U.T. Arlington - Student Fee Revenue Bonds - Series 1964, Series 1966, and Series 1968 - Reserve Fund	2,098.10	111.33	
532.80	U.T. Arlington - Combined Fee Revenue Bonds, Series 1971, 1971A & 1973 - Reserve Fund	<u>532.80</u>	<u>25.30</u>	
	TOTAL - U. S. Government Obligations	<u>76,362.66</u>	<u>314.13</u>	
 <u>COMMON STOCKS:</u>				
See Stock Sales Schedule for Detail				<u>Yield at Sale Price</u>
	Tom Slick Memorial Trust for The University of Texas at Austin	52.87	(1.83)	<u>2.98%</u>
	Bettye M. Rady Scholarship Fund - U.T. Arlington	<u>5,204.89</u>	(<u>95.11</u>)	
	TOTAL - Common Stocks	<u>5,257.76</u>	(<u>96.94</u>)	
	TOTAL - LONG TERM INVESTMENTS DISPOSED OF	<u>\$ 81,620.42</u>	<u>\$ 217.19</u>	
 <u>BONDS EXCHANGED OUT:</u>				
See Bond Exchange Schedule for Detail				<u>Book Yield</u>
\$ 55,000	Common Trust Fund	\$ 38,468.32	-0-	7.14%
 <u>SHORT TERM PAPER:</u>				
10,000	FMC 6% Note, due 5/15/73 (Common Trust Fund)	10,000.00	-0-	
276,000	GMAC 6-1/8% Note, due 5/31/73 (Common Trust Fund)	276,000.00	-0-	
172,500	GMAC 6% Note, due 5/31/73 (Common Trust Fund)	172,500.00	-0-	
209,100	GMAC 6-3/8% Note, due 5/31/73 (Common Trust Fund)	209,100.00	-0-	
141,400	GMAC 6-5/8% Note, due 5/31/73 (Common Trust Fund - Undistributed Receipts)	141,400.00	-0-	
226,000	FMC 6-3/4% Note, due 5/31/73 (Common Trust Fund)	226,000.00	-0-	

INVESTMENTS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
	<u>SHORT TERM PAPER: (Continued)</u>		
\$167,700	GMAC 6-3/4% Note, due 5/31/73 (\$100,000 - Common Trust Fund 44,100 - Common Trust Fund - Undistributed Receipts 800 - Julia Ann Ross Memo- rial Scholarship - UTEP 2,500 - Patrick Romanell Visit- ing Professorship in Philosophy - UTEP 14,300 - The Presidents Associates Endowment Fund - UTEP 6,000 - Anderson-Mayfair Mortgage Retirement Fund - AH)	\$ 167,700.00	-0-
100,000	GMAC 6-3/4% Note, due 5/31/73 (Common Trust Fund)	100,000.00	-0-
420,600	GMAC 6-7/8% Note, due 5/31/73 (\$263,000 - Common Trust Fund 109,000 - Common Trust Fund - Undistributed Receipts 2,000 - Ford Foundation Grant for Hogg Fdn. - Con- sultation Service for Local Fdns. in Southwest 1,300 - Hogg Fdn. - WCH - Varner Properties Unappropriated Balance 14,000 - W. A. (Bill) Cunningham Professorship - Col. of EF 1,400 - Albert Noyes Distinguished Visiting Lecture Fund 11,700 - Hogg Fdn.: Will C. Hogg Fund 2,000 - The Morton Brown, Nellie Lea Brown and Minelma Brown Lockwood Scholarship Fund in Drama - FAF 5,300 - Ward C. Mayborn Journalism Scholarship 5,000 - Charles Morton Share Trust Graduate Fellowship Fund 1,000 - Jennie and Carl Sundberg Scholarship - A&S Fdn. 1,900 - The James W. McLaughlin Fellowship Fund - GMB 3,000 - Dr. Wayne V. Ramsey, Sr. Lectureship in Radiology - GMB)	420,600.00	-0-
148,000	GMAC 6-7/8% Note, due 5/31/73 (Common Trust Fund)	148,000.00	-0-

INVESTMENTS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
	<u>SHORT TERM PAPER: (Continued)</u>		
\$224,300	GMAC 6-7/8% Note, due 5/31/73 (\$186,000 - Common Trust Fund 28,200 - Common Trust Fund - Undistributed Receipts 6,200 - Maud McCain Harding Fund 1,700 - W. A. (Bill) Cunningham Professorship - Col. of EF 2,200 - Leo G. Blackstock Memorial Fund - Col. of BAF)	\$ 224,300.00	-0-
2,000	SRAC 6-7/8% Note, due 5/31/73 (Hal P. Bybee Memorial Fund - Geology Fdn.)	2,000.00	-0-
360,000	FMC 6-7/8% Note, due 5/31/73 (Common Trust Fund)	360,000.00	-0-
156,700	GMAC 6-1/2% Note, due 5/31/73 (\$150,000 - The Robert A. Welch Chair in Chemistry - HMS 6,700 - Common Trust Fund - Undistributed Receipts)	156,700.00	-0-
100,000	FMC 6-7/8% Note, due 5/31/73 (\$ 82,000 - Common Trust Fund - Undistributed Receipts 13,000 - W. C. Hogg Fund 5,000 - Madeline Kavanagh Fund - AH)	100,000.00	-0-
6,000	FMC 6-1/4% Note, due 6/6/73 (Ima Hogg Foundation - Sold 5/17/73)	6,000.00	-0-

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(May, 1973)

BOND EXCHANGES

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>IN- CREASE</u>	<u>BOOK YIELD</u>
\$ 55,000	Illinois Bell Tel. Co. 3-1/8% 1st Mtge., due 4/1/84	Mountain States Tel. & Tel. Co. 3-1/2% Debs., due 6/1/90		\$ 38,468.32	\$ 35,191.97	.06%	7.20%
						\$ 72.79*	
						(Total Income Improvement)	

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

STOCK RECEIVED

<u>NO. OF SHS. RECEIVED</u>	<u>ISSUE</u>	
3,500 Shs.	Hercules Inc. Common Stock	(Received in 2-for-1 stock split)
10,440 Shs.	American Home Products Corporation Common Stock	(Received in 3-for-1 stock split)
6,700 Shs.	Rochester Telephone Corporation Common Stock	(Received in 2-for-1 stock split)

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(May, 1973)

BOND MATURITIES AND PREPAYMENTS

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. S. Government Obligations</u>			
\$ 5,812.20	GNMA, Pass-Through Pool #95, 8%, due 12/15/2000	\$ 5,812.20	(\$ 316.18)
168.14	GNMA, Pass-Through Pool #163, 8%, due 2/15/2001	168.14	(9.15)
64.94	GNMA, Pass-Through Pool #548, 8%, due 4/15/2001	64.94	(3.53)
241.57	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	241.57	(13.14)
565.12	GNMA, Pass-Through Pool #708, 6-1/2%, due 11/15/2001	565.12	23.74
3,493.70	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	3,493.70	344.48
<u>4,825.04</u>	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	<u>4,825.04</u>	(82.99)
 <u>\$ 15,170.71</u>		 <u>\$ 15,170.71</u>	 <u>(\$ 56.77)</u>

THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL
(May, 1973)

BOND MATURITIES AND PREPAYMENTS

\$ 838.15	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	\$ 838.15	(\$ 15.76)
<u>395.83</u>	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	<u>395.83</u>	<u>30.32</u>
 <u>\$ 1,233.98</u>		 <u>\$ 1,233.98</u>	 <u>\$ 14.56</u>

WILLIAM STAMPS FARISH CHAIR IN GEOLOGY

(May, 1973)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD AT COST</u>
		<u>UNIT</u>	<u>TOTAL</u>	
<u>\$ 2,000</u>	Pasadena ISD School Building Bonds, Series 1962 (3.40%) due 4/1/88	\$ 76.718	<u>\$ 1,534.36</u>	<u>5.75%</u>

IMA HOGG FOUNDATION

(May, 1973)

BOND PURCHASES

<u>\$ 5,000</u>	Northside ISD Schoolhouse Unlimited Tax Bonds, 3-7/8%, due 2/10/83 (Dated 6/10/61)	\$ 89.977	<u>\$ 4,498.85</u>	<u>5.20%</u>
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THE ROBERTSON POTH FOUNDATION

(May, 1973)

STOCK RECEIVED

<u>NO. OF SHS. RECEIVED</u>	<u>ISSUE</u>	
11 Shs.	International Business Machines Corporation Capital Stock	(Received in 25% stock dividend)

STOCK PURCHASES
(May, 1973)

<u>NO. OF SHS.</u> <u>PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u> <u>AT COST</u>
		<u>UNIT</u>	<u>TOTAL</u>	
<u>THE ROBERTSON-POTH CHARITABLE REMAINDER TRUST - GALVESTON MEDICAL BRANCH</u>				
300 Shs.	Cleveland Electric Illuminating Company Common Stock	\$ 34.943	\$ 10,483.15	6.64%
200 "	Commonwealth Edison Company Common Stock	33.467	6,693.40	6.87
200 "	General Foods Corporation Common Stock	25.773	5,154.68	5.43
300 "	Lone Star Gas Company Common Stock	33.304	9,991.26	4.20
200 "	United States Fidelity & Guaranty Company Capital Stock	40.025	8,005.10	6.00
200 "	Union Carbide Corporation Common Stock	41.791	8,358.25	4.79
			<u>\$ 48,685.84</u>	<u>5.62%</u>
<u>THE LYDIA K. KARCHER FUND FOR MEDICAL EXCELLENCE - DALLAS MEDICAL SCHOOL</u>				
100 Shs.	Campbell Soup Company Capital Stock	\$ 33.39	\$ 3,339.09	3.53%
300 "	FMC Corporation Common Stock	17.41	5,223.74	4.88
100 "	INA Corporation Common Stock	35.375	3,537.50	4.24
100 "	Phelps Dodge Corporation Capital Stock	43.125	4,312.50	4.87
			<u>\$ 16,412.83</u>	<u>4.46%</u>

DR. WITTEN B. RUSS CHAIR IN SURGERY - SAN ANTONIO MEDICAL SCHOOL

(May, 1973)

<u>Securities Exchanged</u>	<u>STOCK EXCHANGE</u>		<u>Principal Cash Required</u>	<u>New Book Yield</u>	<u>(Decrease) in Annual Income</u>
	<u>Issue Exchanged</u>	<u>Issue Received</u>			
4,000 Shares The Alamo National Bank of San Antonio Common Capital Stock (Alamo Bancshares, Inc.) into 5,152 Shares Federated Texas Bancorporation, Inc. Common Stock (1.288-for-1 basis)	<u>\$ 92,480.00</u>	<u>\$ 92,480.00</u>	<u>-0-</u>	<u>3.34%</u>	<u>(\$108.80)</u>

TOM SLICK MEMORIAL TRUST FOR THE UNIVERSITY OF TEXAS AT AUSTIN

(May, 1973)

<u>STOCK RECEIVED</u>	
<u>NO. OF SHS. RECEIVED</u>	<u>ISSUE</u>
16 Shs.	Evans Products Company Common Stock (Received in 4% stock dividend)

<u>STOCK SALES</u>		<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD AT SALE PRICE</u>
<u>NO. OF SHS. SOLD</u>	<u>ISSUE</u>			
1-83/100 Shs.	Georgia-Pacific Corporation Common Stock (Received in 1% stock dividend)	<u>\$ 52.87</u>	<u>(\$ 1.83)</u>	<u>2.98%</u>

BETTYE M. RADY SCHOLARSHIP FUND - U. T. ARLINGTON

(May, 1973)

<u>STOCK SALES</u>		<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD AT SALE PRICE</u>
<u>NO. OF SHS. SOLD</u>	<u>ISSUE</u>			
100 Shs.	Canadian Superior Oil of California, Ltd., Capital Stock	<u>\$ 5,204.89</u>	<u>(\$95.11)</u>	--

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS
(May, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 465.57	\$ 5.77
<u>TEXAS UNION BUILDING FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 1,087.30	\$ 98.29
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 968.09	(\$ 27.20)
GNMA, Pool #184, 8%, due 4/1/2001	47.08	-0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	1,164.90	0.70
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	62.87	3.75
	<u>\$ 2,242.94</u>	<u>(\$ 22.75)</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 882.85	\$ 18.54
GNMA, Pool #852, 6-1/2%, due 1/15/2002	1,304.37	53.61
	<u>\$ 2,187.22</u>	<u>\$ 72.15</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971, 1972, 1972A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 352.68	\$ 16.75
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	5,441.45	262.82
GNMA, Pool #1745, 6-1/2%, due 9/15/2002	887.26	50.13
	<u>\$ 6,681.39</u>	<u>\$ 329.70</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 54.81	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	286.63	(16.05)
	<u>\$ 341.44</u>	<u>(\$ 16.05)</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND:</u>		
GNMA, Pool #548, 8%, due 4/15/2001	\$ 58.97	(\$ 3.30)
GNMA, Pool #650, 8%, due 4/15/2001	142.04	(4.47)
	<u>\$ 201.01</u>	<u>(\$ 7.77)</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 81.90	\$ -0-
GNMA, Pool #650, 8%, due 4/15/2001	142.04	(4.47)
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	41.26	2.43
	<u>\$ 265.20</u>	<u>(\$ 2.04)</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(May, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. AUSTIN - HOUSING SYSTEM REVENUE BONDS, SERIES 1967 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 3,290.90	\$ 185.94
GNMA, Pool #184, 8%, due 4/1/2001	49.01	-0-
GNMA, Pool #548, 8%, due 4/15/2001	96.29	(5.39)
GNMA, Pool #650, 8%, due 4/15/2001	542.81	(17.10)
GNMA, Pool #708, 6-1/2%, due 11/15/2001	176.11	8.37
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	959.69	59.31
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	178.97	10.56
	<u>\$ 5,293.78</u>	<u>\$ 241.69</u>
<u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u>		
<u>UTILITY PLANT - STUDENT FEE REVENUE BONDS - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 21,169.09	(\$ 1,177.00)
GNMA, Pool #548, 8%, due 4/15/2001	78.38	(4.39)
GNMA, Pool #920, 8%, due 9/15/2001	609.55	10.24
	<u>\$ 21,857.02</u>	<u>(\$ 1,171.15)</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970, 1971 & 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 11.29	\$ -0-
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	4,977.60	236.44
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	256.95	15.16
	<u>\$ 5,245.84</u>	<u>\$ 251.60</u>
<u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 16.12	\$ -0-
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	33.95	2.00
	<u>\$ 50.07</u>	<u>\$ 2.00</u>
<u>GALVESTON MEDICAL BRANCH - DORMITORY REVENUE BONDS, SERIES 1955 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 139.29	\$ -0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	1,304.37	0.78
	<u>\$ 1,443.66</u>	<u>\$ 0.78</u>
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>INTEREST & SINKING FUND:</u>		
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	\$ 111.09	\$ 6.54
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #1279, 6-1/2%, due 7/15/2002	\$ 433.53	\$ 24.71
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	83.46	4.91
GNMA, Pool #1710, 6-1/2%, due 9/15/2002	862.63	49.86
	<u>\$ 1,379.62</u>	<u>\$ 79.48</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(May, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. EL PASO - STUDENT HOUSING REVENUE BONDS OF 1961 - RESERVE FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 202.33	\$ 5.97
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 2,979.20	\$ 61.07
GNMA, Pool #184, 8%, due 4/1/2001	47.72	-0-
GNMA, Pool #920, 8%, due 9/15/2001	107.39	2.57
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	3,837.16	237.14
	<u>\$ 6,971.47</u>	<u>\$ 300.78</u>
<u>U. T. EL PASO - STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B, 1967 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 50.94	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	31.35	(2.61)
	<u>\$ 82.29</u>	<u>(\$ 2.61)</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>		
GNMA, Pool #920, 8%, due 9/15/2001	\$ 358.76	\$ 5.56
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	427.06	26.39
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	158.75	9.37
	<u>\$ 944.57</u>	<u>\$ 41.32</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 41.92	\$ -0-
GNMA, Pool #708, 6-1/2%, due 11/15/2001	126.55	6.01
	<u>\$ 168.47</u>	<u>\$ 6.01</u>
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 51.59	\$ -0-
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 53.20	\$ -0-
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,564.53	\$ 102.01
GNMA, Pool #548, 8%, due 4/15/2001	129.88	(7.27)
GNMA, Pool #852, 6-1/2%, due 1/15/2002	403.69	16.59
	<u>\$ 2,098.10</u>	<u>\$ 111.33</u>
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971, 1971A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 180.91	\$ 8.59
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	351.89	16.71
	<u>\$ 532.80</u>	<u>\$ 25.30</u>