

*O.C.*

Chancellor's Docket No. 64  
THE UNIVERSITY OF TEXAS SYSTEM  
Office of the Chancellor

*P.A.-57 Certif. Exc.*

May 10, 1973

TO THE HONORABLE BOARD OF 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 June 1, 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-5, 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 / C.A.*

Charles A. LeMaistre, M. D.  
Chancellor

CAL:cp

THE UNIVERSITY OF TEXAS SYSTEM ADMINISTRATION  
BOARD OF REGENTS MEETING - JUNE 1, 1973

PERMISSION TO EXECUTE COMPUTER LEASE AGREEMENT

It is recommended that Deputy Chancellor Walker be authorized to execute a Lease Agreement between Commercial Credit Computer Leasing, Inc. and The University of Texas System for Control Data equipment, hardware, and maintenance. The equipment is for use primarily by components of The University of Texas System located in Houston.

GRANTS, CONTRACTS AND AGREEMENTS

Amendment to Basic Agreement between the United States Air Force and The University of Texas System No. F 18600-73-A-0115 for the year beginning September 1, 1972, and to predecessor Agreements. The amendment was dated March 23, 1973, and the principal effect of the amendment is to incorporate all of the current indirect cost rates. The original agreement was included in the docket for the December 8, 1972 Board Meeting.

THE UNIVERSITY OF TEXAS SYSTEM ADMINISTRATION  
REPORT OF AMENDMENTS TO THE 1972-73 OPERATING BUDGET  
BOARD OF REGENTS MEETING - JUNE 1, 1973  
 Source of Funds - Departmental Appropriations  
 (Unless Otherwise Specified)

Office of the Chancellor

1. Appoint John A. Fasolino as Director of Employee Relations effective April 1, 1973 at an annual salary rate of \$30,000. Mr. Fasolino was formerly Director of Development (The University of Texas System Development) at an annual salary rate of \$25,600. (RBC# D-113, D-114, D-115)
2. Change the status of James W. Wagener effective May 1, 1973 from Assistant Vice Chancellor for Academic Programs at an annual salary rate of \$21,900 to Acting Vice Chancellor for Academic Affairs at an annual salary rate of \$25,000. (RBC# D-128) See Page 5 .

Office of the Comptroller

3. Resign W. Bennett Spelce, Systems Auditor at an annual salary rate of \$20,000, effective April 13, 1973. (RBC# D-117-A)

Office of Investments, Trusts and Lands

4. Appoint Robert W. Holland as Investment Officer at an annual salary rate of \$30,000 effective April 16, 1973. (RBC# D-116)
5. Transfer \$156.80 from the Available University Fund Unallocated Operating Account to the account for PUF Series 1961, Paying Agency Fees to provide the additional funds needed for paying agent fees for bonds and coupons paid January 1 and July 1, 1973. (RBC# D-117)

Board for Lease of University Lands

6. Transfer \$49.36 from the Maintenance and Operation account to the Classified Personnel Salaries account to provide funding for interim staff adjustments (net). (RBC# D-127)

Office of Facilities Planning and Construction

7. Appoint Reginald H. Biggs as Construction Management Specialist effective April 17, 1973 at an annual salary rate of \$12,000. (RBC# D-120)
8. Appoint Gaston W. Stanford as Construction Inspector effective May 1, 1973 at an annual salary rate of \$13,000. (RBC# D-124)
9. Appoint Nelson R. Shipman as Landscape Architect effective May 15, 1973 at an annual salary rate of \$13,000. (RBC# D-129)
10. Appoint Frank L. Whittington as Junior Construction Inspector effective June 1, 1973 at an annual salary rate of \$9,000. (RBC# #D-130)

Office of Facilities Planning and Construction (Continued)

11. Resign Terry F. Clark, Construction Inspector at an annual salary rate of \$13,400, effective April 30, 1973. (RBC# D-125)
12. Change the status of Corey A. Hoffpauir from Landscape Technician at an annual salary rate of \$13,400 to Landscape Architect at an annual salary rate of \$14,400, effective May 1, 1973. (RBC# D-118)

System Personnel Office - Workmens Compensation Insurance Fund

13. Transfer \$60,000 from the W. C. I Fund - Unallocated to the W. C. I. - Compensation Benefits for Injury account to provide sufficient funds to cover claims during the remainder of this fiscal year. The estimated W. C. I. Fund balance after this transfer should be approximately \$575,000 at August 31, 1973. (RBC# D-126)

Special Services - Security Division

14. Resign George E. Williamson, Associate Director of Police at an annual salary rate of \$20,300, effective April 27, 1973. (RBC# D-121)

Office of the Chancellor - (Accounts 53-0211-0010 and 53-0211-0050)

15. Transfer \$3,500 from the Maintenance and Operation account to the Classified Personnel Salaries account. This transfer reallocates funds within the original budget to meet actual operating needs. (RBC# D-119)

THE UNIVERSITY OF TEXAS SYSTEM ADMINISTRATIONBOARD OF REGENTS MEETING - JUNE 1, 1973OTHER FISCAL ITEMSThe University of Texas at Austin - College of Education and Graduate School of Business Buildings - Transfer of Sources of Funds

1. In order to comply with the terms of Federal Annual Interest Grants awarded for project nos. 5-6-00666-0 and 5-6-00667-0 (U. T. Austin Construction Projects 102-52, College of Education Building, and 102-53, Graduate School of Business Building), it is necessary that at least \$2,500,000 of U. T. Austin Combined Fee Revenue Bonds, Series 1972 be appropriated to each project. This action provides for the exchange of sources of bond proceeds originally appropriated in order to satisfy this requirement:

College of Education Building (102-52)

From: Combined Fee Revenue Bonds, Series 1972 (Appropriated at Regents Meeting No. 711 in total amount of \$ 8,410,000)	\$ 2,500,000
To: Permanent University Fund Bonds	2,500,000

Graduate School of Business Building (102-53)

From: Permanent University Fund Bonds (Appropriated at Regents Meeting No. 705 in total amount of \$ 5,765,000)	2,500,000
To: Combined Fee Revenue Bonds, Series 1972	2,500,000

The Office of Facilities Planning and Construction will initiate accounting documents to effect the above transfers and to make any adjustments in expenditures caused by these transfers.

System Cancer Center - M. D. Anderson Hospital and Tumor Institute - Transfer of Construction Funds

2. The allotment account for Construction Project Number 703-80-Annex and Rehabilitation Center has a balance of \$ 71,309.30. The account for the Topographic Survey for this project has a balance of \$ 1,500. The Texas Medical Center has sold the Webster Street Annex for \$ 85,848.18 which has been credited to this account.

In awarding the contract to Manhattan Construction Company for the Lutheran Hospital and Clinic expansion, \$ 50,000 of this amount was committed for that project.

It is recommended that \$ 80,000 of this amount be transferred to Current Restricted Fund Account 175316 (M. D. Anderson number) The University Cancer Foundation - Jones Gift Fund. An advance of \$ 100,000 was originally made from this fund.

It is recommended that the balance left in the allotment account be committed to landscaping and outside lighting to be coordinated by the appropriate personnel in the Office of Facilities, Planning and Construction.

## THE UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, Texas

April 27, 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 June 1, 1973. The University of Texas at Arlington docket is five pages in length.

Sincerely yours,



W. H. Nedderman  
Acting President

WHN:md  
Attach.

AR

## THE UNIVERSITY OF TEXAS AT ARLINGTON

BOARD MEETING ON JUNE 1, 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.

<u>Donor</u>	<u>Purpose</u>	<u>Amount</u>
1. *Jenkins and Virginia Garrett 1700 Indian Creek Drive Fort Worth, Texas 76107	Gift of Books, Documents, and Manuscripts, including "Collin McKinney Collection" December 30, 1971 December 29, 1972	\$83,500 \$78,600 <u>\$162,100</u>

MEMBERSHIP ON THE GRADUATE FACULTY

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

Dr. Lee Taylor, Sociology  
Dr. A. R. Potvin, Electrical Engineering

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. Renewal of Formula Curriculum Grant (Graduate School of Social Work Sequence) by the State Department of Public Welfare, to be directed by Fernando G. Torgerson, in the amount of \$352,777.
2. Letter dated March 28, 1973, whereby The Hogg Foundation for Mental Health awards the sum of \$9,500 for a study entitled "The Administration of Justice in Texas: Implications for Mental Health and Constitutional Revision." Dr. James Stevens is Project Director.
3. Letter dated March 5, 1973, designating The University of Texas at Arlington as a sponsor of the 1973 Robert A. Taft Institute of Government. The directors of the seminar will be Professor Maurice I. Carlson and Dr. George Wolfskill. The Taft Institute will provide the sum of \$16,044 as its contribution to the seminar.

\*No letter of transmittal received from donor

## THE UNIVERSITY OF TEXAS AT ARLINGTON

## FEDERAL CONTRACTS AND GRANTS

BOARD MEETING ON JUNE 1, 1973

1. Letter dated April 13, 1973 from the National Endowment for the Humanities whereby Professor Thomas R. Hays is awarded Summer Stipend in the amount of \$2,000 for a study entitled "Origins of Egyptian Civilization." The term covered by this Stipend is June 1, 1973 to August 1, 1973. The full amount of this award will be expended in Tarrant County, Texas.
2. Amendment No. 1 to Contract No. AG-48-scs-01233 between The University of Texas at Arlington and the Soil Conservation Service, United States Department of Agriculture, whereby the Contract is terminated June 30, 1973, for lack of appropriated federal funds.

## THE UNIVERSITY OF TEXAS AT ARLINGTON

## RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting on June 1, 1973

GENERAL COLLEGE ADMINISTRATIONOffice of Purchasing

## 1. Transfer of Funds:

From: Unallocated General College  
Administration-Unallocated  
Salaries \$3,000.  
To: Maintenance and Operation \$3,000.  
For: To provide additional funds for increased supplies required  
because of increase in purchasing services.

(RBC #387)

Office of Student Financial Aids

## 2. Transfer of Funds:

From: Unallocated General College  
Administration-Unallocated  
Salaries \$1,000.  
To: Maintenance and Operation \$1,000.  
For: To provide additional funds in the Maintenance and Operation  
area of the office due to increased services performed requiring  
additional mailing, telephone service and supplies.

(RBC #388)

GENERAL INSTITUTIONAL EXPENSEOffice of Sponsored Projects

## 3. Transfer of Funds:

From: Travel \$200.  
To: Maintenance and Operation \$200.  
For: To provide funds for telephone costs which were not budgeted  
and to pay estimated costs for mail services.

(RBC #398)

LIBERAL ARTSOffice of the Dean of Liberal Arts

## 4. Transfer of Funds:

From: Maintenance and Operation \$400.  
To: Wages \$400.  
For: To provide additional funds for Wages. There has been a need  
for more hourly help than was anticipated at the time of the  
original budget preparation.

(RBC #400)

Department of History and Philosophy

## 5. Transfer of Funds:

From: Wages \$232.  
To: Capital Outlay \$232.  
For: To provide funds to purchase typewriter needed as replacement  
in the department.

(RBC #391)

## THE UNIVERSITY OF TEXAS AT ARLINGTON

## RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting on June 1, 1973

6. Accept the resignation of Donald H. Weiss (Tenure), Assistant Professor with academic rate of \$11,100 effective August 31, 1973. (On Leave of Absence without pay 1972-73). (RBC #394)

BUSINESS ADMINISTRATIONDepartment of Business Administration

## 7. Transfer of Funds:

From:	Unallocated Departmental Operating Expense - Unallocated Salaries	\$4,000.
To:	Maintenance and Operation	\$4,000.
For:	To provide additional funds for unanticipated expenses brought about by increased enrollment within the department.	

(RBC #392)

COMPUTER DEVELOPMENT AND TRAINING

## 8. Transfer of Funds:

From:	Computer Services	\$16,000.
	Maintenance and Operation	\$ 248.
To:	Capital Outlay	\$16,000.
	Travel	\$ 248.
For:	To provide funds needed for Capital Outlay item to be utilized in the Computer Center to show results of research calculations for computer generated output. Also, additional funds needed in travel due to unanticipated travel expenses.	

(RBC #397)

LIBRARYLibrary-All Other

## 9. Transfer of Funds:

From:	Unallocated Library Unallocated Salaries	\$3,300.
To:	Capital Outlay	\$3,300.
For:	To provide funds for purchase of items needed to furnish the Special Collections area in the Library.	

(RBC #389)

SPECIAL ITEMSInstitute Urban Studies

## 10. Transfer of Funds:

From:	Unallocated Salaries	\$1,300.
To:	Travel	\$1,300.
For:	Travel in excess of the amount budgeted is required in order to perform the duties of service and research as assigned in the enabling legislation creating the Institute of Urban Studies.	

(RBC #390)

## THE UNIVERSITY OF TEXAS AT ARLINGTON

## RECOMMENDED AMEMENDMENTS TO THE 1972-73 BUDGET

Board Meeting on June 1, 1973

Graduate Development Program

11. Appoint Lanny Max Casey (non-tenure), Assistant Professor with academic rate of \$12,000 to this account effective June 1, 1973, with stipend of \$2,000, 1 1/2 months. Funds are available from Faculty Salaries within the account. (RBC #396)

12. Appoint Robert F. Oaks (non-tenure), Assistant Professor with academic rate of \$10,300 to this account at 50% with stipend of \$1716, 3 months, effective June 1, 1973. Funds are available from Faculty Salaries within the account. (RBC #395)

GRANTS AND CONTRACTSNational Institute Mental Health-Graduate School of Social Work

13. Correct the academic title of Sylvia K. Mitchell (non-tenure) from Associate Professor to Assistant Professor with no change in academic rate of \$12,272 effective September 1, 1972. (RBC #399)

PLANT FUNDSPurchase of Land

## 14. Transfer of Funds:

From:	Unappropriated Plant Funds -	
	Local Interest	\$1,000,000.
To:	Purchase of Land	\$1,000,000.
For:	To provide funds to continue <u>land acquisition program.</u>	
	(RBC #393)	

*File  
min.*

## THE UNIVERSITY OF TEXAS AT AUSTIN

Office of the President

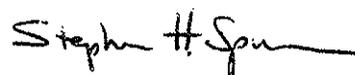
June 1, 1973

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 June 1, 1973. The docket consists of 59 pages.

Sincerely yours,



Stephen H. Spurr  
President

## THE UNIVERSITY OF TEXAS AT AUSTIN

## INDEX

June 1, 1973

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THE UNIVERSITY OF TEXAS AT AUSTIN  
June 1, 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 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	*African American Institute 866 United Nations Plaza New York, New York 10017	International Office Contribution to provide scholarships for foreign students	\$8,796.00
2	The R. C. Baker Foundation A. Grace, Trustee P. O. Box 54992, Terminal Annex Los Angeles, California 90054	College of Engineering Contribution to provide 2 schol- arships in Mechanical Engineer- ing and 2 scholarships in Petro- leum Engineering; 2 fellowships in Mechanical Engineering and 2 fellowships in Petroleum Engi- neering for 1973-74; also,  U. T. Austin	10,400.00  2,800.00
3	*Clayton Foundation for Research 1621 Bank of the South- west Building Houston, Texas 77002	Clayton Foundation Bio- chemical Institute Quarterly contribution toward cost of coordinating curriculum of students performing services for the Biochemical Institute	8,750.00
4	*Continental Oil Company James P. Malott Vice President, Production Western Hemisphere Petroleum Division P. O. Box 2197 Houston, Texas 77001	College of Engineering Contribution to the Rock Mechanics Research Program of the Department of Petro- leum Engineering	15,000.00
5	Erico Products, Inc. 34600 Solon Road Cleveland, Ohio 44139	College of Engineering Grant-in-aid to the Bureau of Engineering Research for research on the use of end anchorage devices in beam-column joints	6,500.00

	DONOR	PURPOSE AND CONDITIONS	AMOUNT
6	*Fondation Nationale pour l'Enseignement de la Gestion des Entreprises 155 Boulevard Haussmann Paris, France	College of Business Administration Payments in support of the program in business education for a group of French educators	\$33,605.13
7	Houston Endowment Inc. J. H. Creekmore, President P. O. Box 52338 Houston, Texas 77052	College of Fine Arts Contribution to be added to the fund to establish the E. William Doty Professorship	10,000.00
8	*Latin American Scholarship Program of American Universities, Inc. 25 Mt. Auburn Street Cambridge, Massachusetts	International Office Continuation of regular support to provide scholarship funds for foreign students	5,843.84
9	*Dr. and Mrs. C. L. Lundell Renner, Texas 75079	U. T. Austin Contribution to provide funds for the C. L. Lundell Professorship of Systematic Botany (accepted by the Board of Regents at the meeting of December 8, 1972)	106,000.00
10	Frank W. Mayborn P. O. Box 868 Temple, Texas 76501	School of Communication Contribution to provide funds for the Ward C. Mayborn Journalism Scholarship	7,500.00
11	The Ella C. McFadden Charitable Trust C. A. Taylor, Jr., Trustee 1314 First National Bldg. Fort Worth, Texas 76102	U. T. Austin Contribution to provide scholarship funds of \$4,000 in the Department of Music and \$5,000 in the Office of Student Financial Aids	9,000.00
12	Murray Case Sells Estate Law Sone, Trustee 4312 Bellaire Drive South Fort Worth, Texas 76109	U. T. Austin Regular distribution of funds from this estate to be used for student loans	33,650.00
13	The Shubert Foundation, Inc. Irving Goldman, President 236 West 44th Street New York, New York 10036	College of Fine Arts Contribution to be used for the benefit of the Department of Drama	10,000.00
14	Tenneco Foundation W. Duke Walser Senior Vice President Tenneco Inc. P. O. Box 2511 Houston, Texas 77001	College of Business Administration Unrestricted contribution for the benefit of various programs in this college	5,000.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
15 Tenneco Foundation A. R. Dudley Senior Vice President Tenneco Oil Company P. O. Box 2511 Houston, Texas 77001	College of Engineering Contribution to be added to the W. A. Cunningham Professorship Fund	\$5,000.00
16 Halsted B. VanderPoel Via Maria Cristina 2 00196, Rome 4, Italy	U. T. Austin Library Contribution of 500 shares of Union Carbide Corporation stock to be added to the VanderPoel Fund for Research and Publication	22,750.00
17 *The J. M. West Texas Corporation Mr. and Mrs. William R. Lloyd, Jr. P. O. Box 491 Houston, Texas 77001	College of Natural Sciences Contribution to the Department of Physics to be added to the scholarship fund established in honor of Richard N. Lane by Tracor, Inc.	18,000.00
The following nonmonetary gifts have also been received:		
18 Thomas M. Cranfill 1901 Cliff Street Austin, Texas 78705	U. T. Austin Gift of 14 works of art to be added to the University's art collections; also,	6,700.00**
	Collection of 125 books, posters, pamphlets, and other items relating to Latin American art and artists	250.00**
19 *Robert Downing Amusement Editor The Denver Post P. O. Box 1709 Denver, Colorado 80220	Humanities Research Center Contribution of a collection of theatrical books to be added to the Hoblitzelle Theatre Arts Library	659.60**
20 *Adrian H. Goldstone 35 Lee Street Mill Valley, California 94941	Humanities Research Center Contribution of a 10-volume set of English literature, pamphlets, catalogues, Norman Rockwell material, and other items	2,625.00**
21 Mrs. M. S. Gonzalez 4114 Avenue H Austin, Texas 78751	Humanities Research Center Gift of a bronze sculpture by Demetre Chiparus entitled "Les Amis de Toujours"	5,250.00**
22 Miguel Gonzalez-Gerth 4109 Avenue G Austin, Texas 78751	Humanities Research Center Gift of a bronze sculpture by Louis Carvin entitled "L'Age de Fer"	4,250.00**

DONOR	PURPOSE AND CONDITIONS	AMOUNT
23 *George S. Heyer, Jr. 2421 Wooldridge Drive Austin, Texas 78703	College of Fine Arts Gift to the Art Museum of two works of art, one by Barbara Hepworth (\$250) and one by Ernest Trova (\$175)	\$ 425.00**
24 *International Utilities Cor- poration, AMVIT Division Stephen C. Saunders General Manager 24480 Lakeland Boulevard Cleveland, Ohio 44132	College of Engineering Contribution of an AMVIT laser alignment instrument for the Department of Civil Engineering for instructional purposes	7,000.00**
25 *Alfred A. Knopf 201 East 50th Street New York, New York 10022	Humanities Research Center Gift of a collection of foreign editions of Borzoi Books and miscellaneous foreign volumes for the Knopf Library	1,675.00**
26 *C. L. Lundell Renner, Texas 75079	College of Natural Sciences Gift to the Department of Botany of the C. L. Lundell Herbarium (accepted by the Board of Regents at the meet- ing of December 8, 1972)	3,600,000.00**
27 Mrs. John I. Moore 800 West Avenue D San Angelo, Texas 76901	College of Natural Sciences Contribution to the Department of Geological Sciences Library of the valuable and extensive personal library of John I. Moore	4,274.30**
28 *Mrs. J. A. R. Moseley 4804 Alan Dale Lane Dallas, Texas 75209	Humanities Research Center Gift of two unusual brass-plated light fixtures for the Moseley Room	300.00**
29 Sun Oil Company W. M. Hensel, Jr. 503 N. Central Expressway Richardson, Texas 75080	Bureau of Economic Geology Contribution of oilwell cores from 313 wells to be added to the Well Sample Library	95,200.00**
30 *Texas Research Foundation Renner, Texas 75079	Humanities Research Center Gift of the C. L. Lundell Rare Books Library of Botanical Sciences (accepted by the Board of Regents at the meeting of December 8, 1972)	750,000.00**
31 *Halsted B. VanderPoel Via Maria Cristina 2 00196, Rome 4, Italy	Humanities Research Center Gift of 1,550 prints of the Great Masters, with 45 red leather cases in which to store them	10,875.00**

DONOR	PURPOSE AND CONDITIONS	AMOUNT
32 Mr. and Mrs. William G. Waltman 1735 Monterey Way Fountain, Colorado 80817	Humanities Research Center Gift of an original oil painting by Sue May Gill to be added to the Iconography Collection	\$1,750.00**
33 *Igor Youskevitch 1800 Lavaca Austin, Texas 78701	Humanities Research Center Gift of two French books for the Hoblitzelle Theatre Arts Library	600.00**

TRAVEL FOR FACULTY AND STAFF. The following trips are reported in accordance with Section 12 of the Budget Rules and Procedures for 1972-73 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. Toni Lopez, Senior Administrative Clerk, Office of Student Financial Aids, from May 2, 1973 to May 4, 1973, to Baton Rouge, Louisiana, to attend a Financial Aid Workshop sponsored by the Southwest Association of Student Financial Aid Administrators. Expenses in the approximate amount of \$105.00 are to be paid from Development of Student Services funds.
2. Corinne Slemenda, Student Development Specialist II, Office of Student Financial Aids, from May 2, 1973 to May 4, 1973, to Baton Rouge, Louisiana, to attend a Financial Aid Workshop sponsored by the Southwest Association of Student Financial Aid Administrators. Expenses in the approximate amount of \$189.20 are to be paid from Development of Student Services funds.
3. Iola Taylor, Student Development Specialist III, Office of Student Financial Aids, from May 2, 1973 to May 4, 1973, to Baton Rouge, Louisiana, to attend a Financial Aid Workshop sponsored by the Southwest Association of Student Financial Aid Administrators. Expenses in the approximate amount of \$105.00 are to be paid from Development of Student Services funds.
4. J. Sinclair Black, Acting Dean of School of Architecture, from April 14, 1973 to April 20, 1973, to Blacksburg, Virginia, to attend the Conference of EDRA and to meet with Charles Burnette, newly designated Dean of the School of Architecture. Expenses in the approximate amount of \$810.00 to be paid from Architecture Development Fund.
5. Alton Joseph Delong, Assistant Professor of Architecture, from April 14, 1973 to April 21, 1973, to Blacksburg, Virginia, to present paper at the Conference of EDRA, Virginia Polytechnical Institute and State University. Expenses in the approximate amount of \$812.68 are to be paid from Architecture Development Fund.
6. Daria Bolton Fisk, Assistant Professor of Architecture, from April 14, 1973 to April 19, 1973, to Blacksburg, Virginia, to participate in Gaming and Simulation Workshop at Virginia Polytechnical Institute and State University. Expenses in the approximate amount of \$710.00 are to be paid from Architecture Development Fund.

THE UNIVERSITY OF TEXAS AT AUSTIN  
June 1, 1973

TRAVEL (Cont'd.)

7. Wolfgang Hilbertz, Visiting Associate Professor of Architecture, from April 14, 1973 to April 21, 1973, to Blacksburg, Virginia, to present papers at the Conference of EDRA, Virginia Polytechnical Institute and State University. Expenses in the approximate amount of \$780.00 are to be paid from the Architecture Development Fund.
8. Robert B. Lucas, Graduate Student and Teaching Assistant in Architecture, from April 14, 1973 to April 19, 1973, to Blacksburg, Virginia, to present paper and attend workshop at Virginia Polytechnical Institute and State University. Expenses in the approximate amount of \$671.06 are to be paid from Architecture Development Fund.
9. Joe Mathis, Graduate Student and Teaching Assistant in Architecture, from April 14, 1973 to April 19, 1973, to Blacksburg, Virginia, to present paper and presentations at Conference of EDRA, Virginia Polytechnical Institute and State University. Expenses in the approximate amount of \$671.06 to be paid from Architecture Development Fund.
10. Bodo Rasch, Instructor in Architecture, from April 20, 1973 to April 22, 1973, to St. Louis, Missouri, to attend a workshop on lightweight structures at the Washington University School of Architecture. Expenses in the approximate amount of \$245.00 are to be paid from Architecture Development Fund.
11. Sandra Rosenbloom, Assistant Professor of Architecture, from April 3, 1973 to April 13, 1973, to Los Angeles and San Francisco, California, to present paper at The American Society of Public Administrators and to represent The University of Texas at Austin at the American Society of Planning Officials meeting. Expenses in the approximate amount of \$454.76 are to be paid, \$214.76 from Planning Program-Travel and \$240.00 per diem from Architecture Development Fund.
12. Edwin B. Allaire, Professor of Philosophy, from April 25, 1973 to April 28, 1973, to Chicago, Illinois, to attend the American Philosophical Association Western Division Meeting and recruit new faculty members for the department. Expenses in the approximate amount of \$154.00 are to be paid from Academic Development Fund (Philosophy).
13. Theodore Andersson, Professor of Spanish and Education, from April 1, 1973 to April 8, 1973, to San Diego, California, to present paper at the Multilingual-Multicultural Conference and attend the Child Language Research Forum. Expenses in the approximate amount of \$468.00 are to be paid, \$280.00 from Foreign Language Education Center funds and \$188.00 from URI Project SRF-509: 14-7499-0509.
14. Michael Raley Dunn, Instructor in Classics, from May 17, 1973 to May 19, 1973, to Richmond, Kentucky, to attend the Conference on Neoplatonism and Contemporary Philosophy at Eastern Kentucky University. Expenses in the approximate amount of \$162.00 are to be paid from the Academic Development Fund.

THE UNIVERSITY OF TEXAS AT AUSTIN  
June 1, 1973

TRAVEL (Cont'd.)

15. Sheila Fitzpatrick, Lecturer in Slavic Languages, from April 18, 1973 to April 20, 1973, to New York, New York, to present paper at the annual meeting of the American Association for the Advancement of Slavic Studies. Expenses in the approximate amount of \$222.00 are to be paid from the Academic Development Fund.
16. Maxine C. Hairston, Assistant Professor of English, from April 4, 1973 to April 7, 1973, to New Orleans, Louisiana, to attend annual meeting of Conference on College Communication and Composition. Expenses in the approximate amount of \$206.50 are to be paid from English Department Program Development.
17. Ian Francis Hancock, Assistant Professor of English, from April 4, 1973 to April 8, 1973, to New York, New York, to present paper at the Annual Conference on African Linguistics. Expenses in the approximate amount of \$322.00 are to be paid from English Department Program Development.
18. Frederick Gerald Hensey, Associate Professor of Spanish and Portuguese, from April 26, 1973 to April 28, 1973, to Albuquerque, New Mexico, to present paper at the Workshop on Southwestern Areal Linguistics. Expenses in the approximate amount of \$110.00 are to be paid from URI Project SRF-479 (Hensey): 14-7499-0479.
19. Roland Huff, Instructor in English, from March 28, 1973 to March 31, 1973, to Baltimore, Maryland, to speak at the National Conference of Teachers of English. Expenses in the approximate amount of \$320.00 are to be paid from English Department Program Development.
20. Charles E. Sherry, Assistant Professor of English, from April 17, 1973 to April 21, 1973, to New York, New York, to present paper at the meeting of the American Association for the Advancement of Slavic Studies. Expenses in the approximate amount of \$140.00 are to be paid from English Department Program Development.
21. Brian Paul Levack, Assistant Professor of History, from May 26, 1973 to August 27, 1973, to London, England and Edinburgh, Scotland, to do research at the Public Record Office at British Museum in London and at the Scottish Record Office and the National Library of Scotland in Edinburgh. Expenses in the approximate amount of \$500.00 are to be paid from URI Project SRF-478 (B. P. Levack): 14-7499-0478.
22. Edward I. Steinhart, Assistant Professor of History, from April 26, 1973 to April 28, 1973, to Laramie, Wyoming, to present paper at the Rocky Mountain Social Science Conference. Expenses in the approximate amount of \$174.00 are to be paid from African and Afro-American Research Institute.
23. Woodrow W. Bledsoe, Professor of Mathematics, from May 14, 1973 to June 30, 1973, to Edinburgh, Scotland; Bonn, Germany; and Paris, France, to serve as a Visiting Professor at the University of Edinburgh, and conduct educational consultation at the University of Bonn and the University of Paris, at no cost to The University of Texas at Austin.

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TRAVEL (Cont'd.)

24. James W. Daniel, Associate Professor of Mathematics, from March 26, 1973 to March 27, 1973, to Houston, Texas, to give an invited lecture as part of the Mathematics Speakers Panel at the University of Houston. Expenses in the approximate amount of \$64.00 are to be paid from Mathematics Academic Development Fund.
25. James W. Daniel, Associate Professor of Mathematics, April 12, 1973 only, to Fort Worth, Texas, to give an invited lecture as part of the Mathematics Speakers Panel at Tarrant County Junior College. Expenses in the approximate amount of \$77.00 are to be paid from Mathematics Academic Development Fund.
26. Leonard Gillman, Chairman and Professor of Mathematics, from April 6, 1973 to April 7, 1973, to Fort Worth, Texas, to attend the spring meeting of the Texas Section of the Mathematical Association and the Texas Chairmen's meeting at TCU. Expenses in the approximate amount of \$72.00 are to be paid from Mathematics Academic Development Fund.
27. Leonard Gillman, Chairman and Professor of Mathematics, from April 10, 1973 to April 13, 1973, to Norman, Oklahoma; Marshall, Texas; Nacogdoches, Texas; and Huntsville, Texas, to give invited lectures as part of the Mathematics Speakers Panel at the University of Oklahoma, Wylie College, Stephen F. Austin State University, and Sam Houston State University. Expenses in the approximate amount of \$236.00 are to be paid from Mathematics Academic Development Fund.
28. Geneva Gay, Assistant Professor of Curriculum and Instruction and Ethnic Studies, from April 4, 1973 to April 7, 1973, to Tuskegee, Alabama, to attend a Philosophy and Black Experience Conference. Expenses in the approximate amount of \$250.00 are to be paid from Division of General and Comparative Studies Academic Development Fund.
29. F. Tomasson Jannuzi, Lecturer, Center for Asian Studies, from May 21, 1973 to May 25, 1973, to Washington, D. C., to attend Scholar-Diplomat Seminar on South Asia arranged by the U.S. Department of State. Expenses in the approximate amount of \$196.00 are to be paid from Division of General and Comparative Studies Academic Development Fund.
30. Doris Burk Looney, Assistant Professor of General Business, from March 22, 1973 to March 23, 1973, to Houston, Texas, to visit records management installations at Tenneco and Houston Lighting & Power Company, attend records management meeting, attend TBEA luncheon, and meet with president of ARMA. Expenses in the approximate amount of \$64.20 are to be paid from Academic Development Funds.
31. Doris Burk Looney, Assistant Professor of General Business, April 18, 1973 only, to Houston, Texas, to attend one-day seminar of Houston Chapter of ARMA on Advancing Information and Records Management. Expenses in the approximate amount of \$44.00 are to be paid from Academic Development Funds.

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TRAVEL (Cont'd.)

32. Melba June Nutt, Instructor in General Business, from March 22, 1973 to March 23, 1973, to Houston, Texas, to visit records management installations at Tenneco and Houston Lighting & Power Company, attend records management meeting, attend TBEA luncheon, and meet with president of ARMA. Expenses in the approximate amount of \$32.00 are to be paid from Academic Development Funds.
33. Werner J. Severin, Associate Professor of Journalism, from June 1, 1973 to July 15, 1973, to New York, New York; Washington, D. C.; Detroit, Michigan; and Louisville, Kentucky, to conduct interviews and library research regarding project approved by University Research Institute. Expenses in the approximate amount of \$780.00 are to be paid from URI Project SRF-486 (W. J. Severin): 14-7499-0486.
34. Werner J. Severin, Associate Professor of Journalism, from July 20, 1973 to August 10, 1973, to Oakland, California and Grand Junction, Colorado, to conduct interviews and library research regarding project approved by University Research Institute. Expenses in the approximate amount of \$527.00 are to be paid from URI Project SRF-486 (W. J. Severin): 14-7499-0486.
35. W. R. Hudson, Associate Professor of Civil Engineering, April 5, 1973 only, to College Station, Texas to attend transportation conference at Texas A&M University. Expenses in the approximate amount of \$35.00 are to be paid from Council for Advanced Transportation Studies, Academic Development Fund.
36. Thomas W. Kennedy, Associate Professor of Civil Engineering, April 5, 1973 only, to College Station, Texas, to attend transportation conference at Texas A&M University. Expenses in the approximate amount of \$55.24 are to be paid from Council for Advanced Transportation Studies, Academic Development Fund.
37. E. William Doty, Professor of Music, from March 23, 1973 to March 24, 1973, to Dallas, Texas, to help organize the Texas Arts in Education. Expenses in the approximate amount of \$32.25 are to be paid from College-Wide Development, College of Fine Arts.
38. Chester Lawrence Chiles, Associate Professor of Social Work, from April 26, 1973 to June 3, 1973, to San Francisco, California, to fulfill the purpose of the grant which is to provide training at Haight-Ashbury Free Medical Clinic for Chester L. Chiles in drug abuse prevention, education, and treatment. Expenses in the approximate amount of \$328.50 are to be paid, \$132.50 from Travel Account and \$196.00 from Career Teacher - Non-Medical - Narcotic Addiction - Drug Abuse Grant.

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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.

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
Child Language: A Book of Readings	<u>Aaron Bar-Adon</u> and Werner F. Leopold	\$ 11.95	\$ .60
*Readings About the Social Animal	Elliot Aronson	5.95	.59
The Social Animal	Elliot Aronson	3.50	.40
Comparative Politics: The Quest for Theory	James A. Bill and Robert L. Hardgrave, Jr.	4.95	.30
*Psychology--Man in Perspective	Arnold Buss	11.95	1.75
*The Second Reconstruction	<u>Joe R. Feagin</u> and Harlan Hahn	.25	50.00 (One-time fee)
*Ghetto Revolts	<u>Joe R. Feagin</u> and Harlan Hahn	8.95	.95
*Sweden: The Politics of Postindustrial Change	M. Donald Hancock	4.00	.48
*The Nadars of Tamilnad: The Political Culture of a Community in Change	Robert L. Hardgrave, Jr.	7.95	.96
Texas: Readings in Politics, Government and Public Policy	Richard H. Kraemer	5.95	.20
Poverty and Politicization: Political Socialization in an American Sub-Culture	Herbert Hirsch	8.95	.90
Introduction of Mathematical Linguistics	Robert E. Wall	11.75	1.00
Systems of Political Science	Oran R. Young	2.50	.25
*Mathematics: Its Spirit and Evolution	John R. Durbin	10.50	1.50

(Approval is asked for use in the summer semester of 1972-73 fiscal year.)

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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>
Iterative Solution of Large Linear Systems	David M. Young	\$ 25.00	\$ 3.00
The Visual Arts as Human Experience	Donald W. Weismann	12.95	1.09
*Teaching Science in the Elementary School	David P. Butts	6.00	.90
Revisiting Early Childhood Education	Joe L. Frost	6.95	15%
School Health Program (3rd Edition)	Jessie Helen Haag	12.50	10% (per 5,000)
Teacher's Edition, Focusing on Health	Jessie Helen Haag	6.33	6% (publisher's sales)
Handbook of Well Log Analysis	S. J. Pirson	18.50	2.75
Oil Reservoir Engineering	S. J. Pirson	19.50	2.50

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

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.

COLLEGE OF HUMANITIES

Department of French and Italian  
Associate Professor William W. Kibler

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Department of Government  
Associate Professor Francis Anthony Beer  
Associate Professor James A. Bill  
Associate Professor Robert L. Lineberry

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GRADUATE FACULTY MEMBERSHIP (Cont'd.)

COLLEGE OF NATURAL SCIENCES

Department of Astronomy

Associate Professor Ralph R. Robbins

Department of Mathematics

Associate Professor Ralph E. Showalter

Department of Physics

Associate Professor Richard A. Matzner

COLLEGE OF ENGINEERING

Department of Aerospace Engineering and Engineering Mechanics

Associate Professor Eric B. Becker

Associate Professor Harry H. Calvit

AULER MEMORIAL FUND. Mrs. Mary B. Auler, widow of the late Dr. Hugo A. Auler, has transmitted to The University of Texas at Austin the sum of \$10,000.00 to establish a memorial fund for Dr. Auler to be used for biochemical, biomedical, and engineering research. The management of the fund is to be the responsibility of the Dean of the Graduate School in accordance with the Rules and Regulations of the Board of Regents and The University of Texas at Austin.

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

The General Faculty has approved by the circularization procedure the following changes in the General Information Bulletin (D&M 10804-06 & 10807-08).

1. PROPOSED CHANGES IN THE GENERAL INFORMATION BULLETIN REGARDING EVALUATION OF STUDENTS AND EXAMINATIONS

References: pp. 87, 88 and 91 in the 1972-73 General Information Bulletin.

(1) Insert on page 91, before the section entitled "Grades," the following section which is at present the seventh paragraph under "Semester Examinations" on page 87:

Evaluation. - Faculty members are free to develop their own methods of evaluating performance of students in their courses, but they are required to make the methods of evaluation to be used known to their classes in writing before the end of the add-drop period. Responsibility for assuring adequate methods of evaluation rests with the departmental faculties and is subject to administrative review. In

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FACULTY LEGISLATION (Cont'd.):

courses with multiple sections the departments should provide for necessary coordination. In any event, materials to be used in evaluating the student's performance must be collected by the instructor at, or prior to, the time of the regularly scheduled final examination. The final examination remains the most favored and general method of final evaluation in courses.

(2) On pages 87 and 88, under "Examinations" replace the present statements through 5., page 88, by the following:

Semester Examinations. -

The final examinations for each semester are held at times and places fixed by the Registrar and posted on the bulletin boards. Classes which meet at the same hour for recitation are examined at the same period. Examinations should begin promptly and should not continue beyond the allotted three hours.

For good cause, permission to take an examination with a different section from that in which the student is registered may be granted by the instructor.

In a course extending over both semesters, when the subject is continuous, the Spring Semester examination may include the work of the Fall Semester.

An instructor may, with department approval, notify his class that a final examination will not be given in a course (see Evaluation, p. \_\_\_\_). However, if an examination is given, all students should be required to take the examination and no exemptions should be allowed, except pursuant to a uniform exemption policy announced to the class.

No semester examinations may be given before examination week begins, and no change in time from that posted by the Registrar may be made. An instructor with a compelling need to deviate in any way from this rule must obtain approval from the departmental Chairman and Dean of the College prior to announcing an alternative examination procedure to his students. No examinations may be given during the period of Study Days immediately preceding the final examination period. With respect to places, changes may be made only with the approval of the Registrar. This paragraph applies to examinations given to an entire class.

For good cause a student may petition his academic dean for permission to change the place or time of an examination from those specified by the official examination schedule. If such permission is granted by the dean and the instructor, no penalty (such as reduction in grade) may be assessed.

Complaints of a student concerning final examination procedures followed in a given course are registered with the Chairman of the department or the Dean of the college in which the course is offered or with the Office of the Ombudsman.

The faculty has given the following instructions with reference to conducting examinations:

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FACULTY LEGISLATION (Cont'd.):

1. (a) Students shall be informed that all written work handed in by them is considered to be their own product, prepared without unauthorized assistance, without the necessity of signing a formal pledge to that effect.
- (b) Students should be invited to cooperate with the instructor in maintaining the integrity of examinations and strongly urged to inform him, without specifying the offenders, whether cheating goes on in his class.
2. It shall be the duty of instructors to see to it that their students are fully informed as to rules governing examinations.

The individual instructors shall supervise and be responsible for the conduct of examinations in their respective classes. They, or their representatives, shall remain in the examination room and shall take such measures as may be necessary to insure an orderly and dignified examination and to minimize the temptations and opportunities for cheating. Students shall be expected (a) to remain in the examination room during the examination period; (b) to refrain from talking or smoking; and (c) to leave all notes and books where they will not be accessible during the examination or quiz, unless otherwise directed by the instructor.

3. When the instructor suspects dishonesty, he shall report the facts to the Office of the Dean of Students.
4. In each final examination involving more than thirty students, the instructor shall determine the number of helpers needed to assist him in assuring the proper supervision of such examinations. He shall report to the Chairman of his department the number of helpers needed in addition to himself and the teaching assistants assigned to that class. The Chairman shall assign for this purpose such properly qualified teaching assistants and assistants as are available in the department. If more helpers are needed than are available as teaching assistants or assistants, the Chairman shall employ additional ones as needed, under departmental regulations, and have them paid as temporary assistants from special appropriations requested through the appropriate dean or from the Registrar's office.
5. The rules governing examinations shall as far as practicable apply to quizzes.

2. RECOMMENDATION ON (A) DROPPING COURSES AND (B) WITHDRAWAL

- A. Dropping Courses (General Information Bulletin pp. 76-77). Subject to the minimum number of hours permitted by the Quantity of Work Rule, a student may, for good cause, drop a course under the following provisions:
  1. A student may, with the approval of his adviser, the dean, and the chairman of the department concerned, drop a course at any time during the first four weeks of classwork of any semester or during the first two weeks of classwork of any summer session,

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FACULTY LEGISLATION (Cont'd.):

without having a grade recorded in the course. The symbol Q will be recorded by the Registrar to indicate a drop without academic penalty.

We recommend that the above be retained without change. It is reprinted here because it establishes the context of our proposal.

We recommend that the next paragraph in these regulations be changed

From

2. With the approval of his adviser, his dean, and his instructor, a student registered in an undergraduate division may drop a course at any time before the last day of classes in any semester or before final examination time in any summer session, if he has a C average at the time of the drop. The symbol Qu is then recorded by the Registrar to indicate a drop without prejudice or penalty.

To

2. After the end of the fourth week of classes, and until the last day for dropping courses (approximately one week after mid-term; see the current Course Schedule for the exact date), an undergraduate student who wishes to drop a course must obtain the approval of his dean, academic adviser, and instructor. If approval is obtained, the instructor will assign a Q or F. The symbol Q indicates an average of C or better in the course, or that no grade has yet been assigned in the course, or that due to the student's performance and the nature of the course no academic penalty is in order. IN RARE AND COMPELLING CIRCUMSTANCES, AN INSTRUCTOR MAY ASSIGN A Q FOR NONACADEMIC REASONS, SUBJECT TO APPROVAL BY THE STUDENT'S DEAN.

And with this addition:

As early as possible, but at least by mid-term, a student is expected to settle on his courses and to commit himself to his semester. After the last day for dropping courses, an undergraduate student will be permitted to drop a course only by the student's dean and only for urgent and substantiated, nonacademic reasons.

And we recommend two minor changes

The first sentence of paragraph 3. on page 77 states that the dean may grant a student permission to stop attending a course and to receive a grade of F. Since a student may stop attending a course and receive a grade of F without permission, we suggest that the sentence be omitted.

The second sentence in the same paragraph allows an instructor to recommend to the dean, at any time, that a student be given a Q because of "urgent and compelling circumstances of a nonacademic nature...even though his work is not at C level or above." To bring this regulation in line with the proposed changes, we recommend revision to "even though his work would normally call for academic penalty."

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FACULTY LEGISLATION (Cont'd.):

Other entries in this section of the General Information Bulletin refer to persistent absence which (upon recommendation by the instructor and approval by the dean) may amount to an enforced drop. We recommend that these entries be allowed to stand.

B. Withdrawal (General Information Bulletin, pp. 83-84).

The present regulations on withdrawing do not set a deadline. In practice students are permitted to withdraw on the last day of regularly scheduled classes. We recommend the addition in the General Information Bulletin of the following paragraph (to be added between the first and second paragraphs in the section entitled "Withdrawal," page 83.)

Proposed Addition

After the last day for withdrawing (approximately one week after mid-term; see the current Course Schedule for the exact date) an undergraduate student will be permitted to withdraw only by the student's academic dean and only for urgent and substantiated, nonacademic reasons.

Reason: Our present policy on dropping does not encourage students to work during the first half of a semester or term. The student who is tempted not to work knows that, until the last day, he can drop. Our present policy on withdrawing permits a student to fail, for example, five courses, all semester long, and then walk in on the last day and withdraw clean. An officer of the Western Center for Higher Education has written that this is a very lenient and highly unusual policy. We feel that a little more than half of the total time is sufficient time for the student to commit himself to his semester.

The General Faculty has approved by the circularization procedure the following changes in the catalogues of the Colleges of Humanities, Natural Sciences, and Social and Behavioral Sciences (D&M 10809-10810 and D&M 10728-10729).

3. PROPOSED CHANGE IN FOREIGN LANGUAGE REQUIREMENT FOR THE BACHELOR OF ARTS DEGREE PLAN I

A. Prescribed Work, Area A:

Foreign Language: Students continuing a study of the language for which they present two high-school admission units must pass (FOUR) three semesters beyond the beginning course in that language. Students electing a language different from the one used for admission must pass four semesters in the new language, including the beginning course. Students who had no foreign language in high school must take the beginning course in a language without degree credit to remove their language deficiency, then pass (FOUR) three semesters beyond that course in the same language to fulfill their foreign language requirement.

The foreign language requirement is the attainment of a certain proficiency rather than the completion of a specified number of hours; any or all of these required semesters may be fulfilled by classi-

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FACULTY LEGISLATION (Cont'd.):

fication test or by examination for credit by advanced standing. Students may accelerate their progress at any point in the sequence by means of examination for credit by advanced standing.

A student may not receive credit for two entrance units in a foreign language and Course 406 in that same language. A single foreign language unit presented under Group C of the entrance requirement is not affected by this restriction.

A student who has received credit for prior work in Latin, either in high school or college, should consult the Chairman of the Department of Classics, who will designate the Latin course for which he should enroll.

In order to achieve proficiency in a foreign language as rapidly as possible, qualified students are urged to take advantage of the intensive foreign language study program. Detailed information about this program may be obtained from the co-ordinator of the appropriate language department.

Explanation: FL 408K is being introduced to provide transition from high school foreign language courses to the second year college course. All students with knowledge of a foreign language, however acquired, who wish to continue in that same language must take the advanced placement test. On the basis of their scores on the placement test, students will be advised to register for either 408K, 407, or 406; they may elect, however, to register for any one of these courses.

4. PROPOSED REVISION OF THE ENGLISH REQUIREMENT FOR THE DEGREE OF BACHELOR OF ARTS, PLAN I

REVISED REPORT AND RECOMMENDATION OF THE SPECIAL COMMITTEE APPOINTED TO EXAMINE THE PROBLEM OF THE REVISION OF THE ENGLISH REQUIREMENT FOR THE DEGREE OF BACHELOR OF ARTS, PLAN I

The Committee recommends that entering freshmen be required to take English 302, Rhetoric and Composition unless the ECT score is at least 550 (this will exempt approximately 45% of entering freshmen). English 302 will lead to English 304M or English 304L. The English 304L, a course in Literature and Composition, will use literature in teaching composition. English 304M will not utilize the belletristic approach of English 304L, but, instead, will emphasize the writing of expository themes exploring problems, suggesting and testing hypotheses, while providing in depth study of inductive and deductive evidence. The amount of writing required in English 304L will be approximately equivalent to the amount required in English 304M. The choice of English 304L or 304M is to be based on the student's interest and, where so desired, the advice of his department or college. These two courses are on the same level of difficulty; neither one is to be looked upon as preferable for weak or strong students. The third required English course is to be selected

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from a group including English 310 (Expository Writing), English 317 (Scientific Writing), English 314K (Introduction to Literature I), English 312L (Masterworks of English Literature Through the Eighteenth Century), and English 318M (Introduction to the English Language). Students electing English 304M will not be able to complete the nine semester hour minimal requirement with English 310, 317, or 318M.

These requirements will be reviewed by a committee of the General Faculty in Spring, 1975, and a report made to the regularly scheduled meeting of the General Faculty in that semester.

The committee also recommends the retention of the current E301-305 equivalents: E301Q-305Q, E601Q, E603, and 501K-501L.

Recommended catalogue changes incorporating above new English requirement.

To implement this faculty legislation, President Spurr recommends the following changes in the catalogues of the Colleges of Humanities (page 15), Natural Sciences (page 15), and Social and Behavioral Sciences (pages 15 and 106), under those sections entitled "Prescribed Work." The effective date of these new degree requirements in English will be September, 1974. Upon the advice of the Registrar, the course numbers indicated in the faculty legislation have been revised as follows:

In place of English 302, English 306  
In place of English 304L, English 307  
In place of English 304M, English 308

From: English: Nine semester hours beyond English 301

To: 1) English 306, Rhetoric and Composition

2a) English 307L, Literature and Composition and three hours chosen from a group including English 310 (Expository Writing), English 317 (Scientific Writing), English 314K (Introduction to Literature I), English 312L (Masterworks of English Literature Through the Eighteenth Century), and English 318M (Introduction to the English Language).

or b) English 308, Rhetoric, Logic and Expository Writing and three hours chosen from a group including English 314K and 312L.

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GRANTS, CONTRACTS and AGREEMENTS (NON-GOVERNMENTAL):

1. Letter of Extension (dated 5 March 1973) to Grant Award dated March 1971, by which The American Association of Petroleum Geologists, Tulsa, Oklahoma, provides \$3,533 additional funds for support of research entitled, "Mapping of Equilibrium Bottomhole Temperatures in Texas and Oklahoma," for the period January 1, 1973 through December 31, 1973. The research continues under the direction of Dr. Ralph O. Kehle, Associate Professor of Geology.
2. Letter of Intent dated February 9, 1973, by which Beckman Instruments, Inc., Fullerton, California, provides \$25,000 for the period June 1, 1972 through June 30, 1973, for support of research in the field of synthesis for LMH, and currently funds \$7,500 against the total award. The research is under the direction of Dr. Karl Folkers, Professor of Chemistry.
3. Letter Agreement dated December 12, 1972, by which the Child Development Associate Consortium, Inc., Washington, D. C., provides \$24,851.11 for support of a program for training assessors of child development associate competencies. The specific areas of study will be preactive child development knowledge and probing and questioning skills which are an aspect of interactive performance competencies. The Agreement is effective for the period December 1, 1972 through May 1, 1973, and the program will be under the direction of Dr. Jasper Harvey, Professor of Special Education.
4. Service Agreement dated February 28, 1973, between The Ford Foundation and The University of Texas at Austin, by which The Ford Foundation, New York, New York, provides \$15,000 for the study of the potential economic effects of Tennessee - Tombigbee Channel Project. The agreement is effective for the period March 1, 1973 through February 28, 1974, and the study will be conducted by Dr. F. Ray Marshall, Professor of Economics.
5. Letter dated March 22, 1973, by which Gulf Universities Research Consortium (GURC), Galveston, Texas, adds supplementary funds of \$9,450 to Contract GU845-1 for the period September 1, 1972, through May 31, 1973. The research entitled, "Distribution of Hydrocarbons in Water, Sediment and Indicator Organisms as Related to Oil Platforms," continues under the direction of Dr. C. H. Oppenheimer, Professor of Microbiology, Marine Science Institute at Port Aransas.
6. Modification (letter dated 20 March 1973) to Contract GU843-3, by which Gulf Universities Research Consortium (GURC), Galveston, Texas, adds transportation, automobile depreciation, and building amortization clauses to the contract without otherwise changing it. The research entitled, "Acoustic Propagation in the Cayman Trough," continues under the direction of Dr. Chester M. McKinney, Jr., Director, Applied Research Laboratories.
7. Grant Letter dated March 26, 1973, by which Natural Gas Pipeline Company of America, Chicago, Illinois, provides \$6,378.69 for a period of 75 days effective from date of notice to proceed. The archeological reconnaissance of areas to be affected by the proposed pipeline construction in Cameron Parish, Louisiana, and Jefferson and Liberty Counties, Texas, will be under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.
8. Check No. 1004 dated 12 February 1973, by which San Antonio Ranch, Ltd., San Antonio, Texas, provides \$2,477.81 for an archeological reconnaissance to be conducted on the San Antonio ranch properties. The project will be under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.

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9. Contract No. 30852-3, by which Solution Mining Research Institute, Inc., Flossmoor, Illinois, provides \$15,000 for the period March 1, 1973 through February 28, 1974. The contract is an extension to Contract No. 30852-2 and the research entitled, "Dissolution Mechanism," continues under the direction of Dr. Hilmar Von Schonfeldt, Assistant Professor of Petroleum Engineering.

10. Supplemental Agreement No. 2 to Subcontract No. 3696, by which the Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, reduces the contract funds by \$7,750. The research entitled, "Analysis of Solutioning of Salt Around Well Boreholes," continues under the direction of Dr. Thomas Dixon, Assistant Professor of Petroleum Engineering.

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GRANTS, CONTRACTS and AGREEMENTS (STATE):

1. Contract between The University of Texas at Austin (Office of School Surveys and Studies - Department of Educational Administration) and the Texas Education Agency, signed by Vice President James H. Colvin, for reimbursement on approved expenditures for instructional salaries and other reimbursable expenditures to be paid to the University covering a project entitled: "A Study to Identify Data Elements for Comparative Assessment of Effectiveness and Efficiency of Technical and Vocational Education Programs in the Public Community Colleges of Texas." The contract period is from February 1, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$4,966.00.
2. Contract between The University of Texas at Austin (Office of School Surveys and Studies - Department of Educational Administration) and the Texas Education Agency, signed by Vice President James H. Colvin, for reimbursement on approved expenditures to be paid to the University for vocational instruction, etc. covering a project entitled: "Observed and Self-Reported Individualization of Instruction by Vocational and Non-Vocational Teachers." The contract period is from February 1, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$13,811.00.
3. Interagency Cooperation Contract No. IAC(72-73)-488, Amendment No. 1, between The University of Texas at Austin (Bureau of Economic Geology) and the Governor's Office, signed by Vice President James H. Colvin, to extend the contract period for five months. The contract shall terminate August 31, 1973. All other terms and conditions not hereby amended are to remain in full force and effect. This amendment shall become effective on the date of approval by the State Board of Control.
4. Interagency Cooperation Contract No. IAC(72-73)-543, Amendment No. 2, 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, to increase the total amount of the contract by \$14,200.00 to a new total of \$21,200.00. All other terms and conditions not hereby amended are to remain in full force and effect. This amendment shall become effective on the date of approval by the State Board of Control.
5. Interagency Cooperation Contract No. IAC(72-73)-729, Amendment No. 1, between The University of Texas at Austin (Department of Education - Office of School Surveys) and the Texas Education Agency, signed by Vice President James H. Colvin, to change the original amount of the contract by an increase of \$15,000.00. Total amount of the contract is now not to exceed \$50,000.00. All other terms and conditions not hereby amended are to remain in full force and effect. This amendment shall become effective on the date of approval by the State Board of Control.

THE UNIVERSITY OF TEXAS AT AUSTIN  
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(Cont'd.)

GRANTS, CONTRACTS and AGREEMENTS (STATE):

6. Interagency Cooperation Contract No. IAC(72-73)-1150, between The University of Texas at Austin (Mechanical Engineering) and the Texas Highway Department, signed by Vice President James H. Colvin, whereby the University agrees to furnish the necessary educational facilities for Mr. Larry G. Walker of the Texas Highway Department to attend a Management Science Course. The contract period is to be from March 28, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$200.00.
7. Interagency Cooperation Contract No. IAC(72-73)-1156, between The University of Texas at Austin (Balcones Research Center) and the Texas Highway Department, signed by Vice President James H. Colvin, whereby the Texas Highway Department agrees to furnish all materials, labor, equipment, supervision, and any other essential items necessary to perform miscellaneous street repairs at Balcones Research Center for The University of Texas at Austin. The contract period shall be from April 3, 1973 through August 31, 1973. Total amount of the contract shall not exceed \$2,700.00.
8. Interagency Cooperation Contract No. IAC(72-73)-1159, between The University of Texas at Austin (Graduate School of Social Work) and the Department of Public Welfare, signed by Vice President James H. Colvin, whereby the University agrees to provide (1) a full time University of Texas at Austin employee to work with a "task force" composed of personnel of the Department of Public Welfare and University faculty and personnel; (2) resource University of Texas employees for immediate need consulting with the Department of Public Welfare; (3) and provide access to and booking of University facilities. The contract period is from April 4, 1973 through August 31, 1973. Total amount of the contract shall not exceed \$37,643.00.
9. Interagency Cooperation Contract No. IAC(72-73)-1161, between The University of Texas at Austin (LBJ School of Public Affairs) and the Texas Rehabilitation Commission, signed by Vice President James H. Colvin, whereby the University is to develop for use of the Texas Rehabilitation Commission a model for evaluating the effectiveness of the pre-vocational component of the joint State Department of Public Welfare - Texas Rehabilitation Commission program to provide vocational rehabilitation services to individuals receiving public assistance who qualify for such services. The contract period is from April 1, 1973 through May 31, 1973. Total amount of the contract shall not exceed \$2,663.00.
10. Interagency Cooperation Contract No. IAC(72-73)-1163, between The University of Texas at Austin (Thompson Conference Center) and the Texas Education Agency, signed by Vice President James H. Colvin, whereby the University agrees to furnish one room to accommodate 200 people for four days, beginning April 24, 1973 through April 27, 1973. The contract period is from April 5, 1973 through April 27, 1973. Total amount of the contract shall not exceed \$160.00.

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(Cont'd.)

GRANTS, CONTRACTS and AGREEMENTS (STATE):

11. Interagency Cooperation Contract No. IAC(72-73)-1168, between The University of Texas at Austin (Computation Center) and the Traffic Safety Administration, signed by Vice President James H. Colvin, whereby services of the Computation Center will be rendered. The contract period is from April 17, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$6,000.00.

12. Interagency Cooperation Contract No. IAC(72-73)-1173, between The University of Texas at Austin (Thompson Conference Center) and the Commission on Law Enforcement Officer Standards and Education, signed by Vice President James H. Colvin, whereby the University will provide the use of Room 1-122 in the Thompson Conference Center, including any available projection equipment to be used if needed at no additional cost. The contract period is from April 23, 1973 to July 13, 1973. Total amount of the contract is not to exceed \$50.00.

13. Interagency Cooperation Contract No. IAC(72-73)-1174, between The University of Texas at Austin (LBJ School of Public Affairs) and the Legislative Reference Library, signed by Vice President James H. Colvin, whereby the University will furnish three copies of the book, "Guide to State Agencies, 4th Edition," to the Legislative Reference Library. The contract period is from April 19, 1973 to July 13, 1973. Total amount of the contract is not to exceed \$25.50.

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GRANTS, CONTRACTS and AGREEMENTS — FEDERAL:

1. Modification AFOSR-72-2343A to Grant AFOSR 72-2343, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, provides \$18,647 additional funds (Travis County) and extends the grant for the period June 1, 1973, through June 30, 1974. The research entitled, "The Effect of Grain Size on Thermal Diffusion in Metals," continues under the direction of Dr. John P. Stark, Associate Professor of Mechanical Engineering.
2. Modification AFOSR 72-2371A to Grant AFOSR 72-2371, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, provides \$22,765 additional funds (Travis County) and extends the grant for the period June 1, 1973, through May 31, 1974. The research entitled, "The Study of Rates of Convergence of Nonparametric Pattern Classification Algorithms," continues under the direction of Dr. J. K. Aggarwal, Professor of Electrical Engineering, and Dr. T. J. Wagner, Associate Professor of Electrical Engineering.
3. Contract F30602-73-C-0192, by which the United States Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, provides \$95,000 (Travis County) for support of research entitled, "German-English Machine Translation Systems," for the period effective February 5, 1973 through July 5, 1973. The research continues under the direction of Dr. W. P. Lehmann, Ashbel Smith Professor of Linguistics.
4. Contract F41609-73-C-0019, by which the United States Air Force, Aerospace Medical Division, Brooks Air Force Base, Texas, provides \$39,882 (Travis County) for support of research entitled, "Study of On-Line Information Communication System in an R&D Management Environment." The contract is effective for the period March 19, 1973 through March 18, 1974, and the research will be under the direction of Dr. Wilson A. Judd and Dr. Harold F. O'Neil, Jr., Co-directors, Laboratory for Computer-Assisted Instruction.
5. Grant DA-ARO-D-31-124-73-G136, by which the Department of the Army, U. S. Army Research Office—Durham, Durham, North Carolina, provides \$18,468 (Travis County) for the period June 1, 1973 through May 31, 1974. The research entitled, "Size and Volume Fraction Effects on Fracture Behavior in Composite Materials," was begun under Grant DA-ARO-D-31-124-71-G96 and continues under the direction of Dr. Thomas H. Courtney, Associate Professor of Mechanical Engineering.
6. Contract DACW03-73-C-0086, by which the Department of the Army, Little Rock District, Corps of Engineers, Little Rock, Arkansas, provides \$9,679.42 (Travis County) for investigations and preparation of an archeological, historical, and cultural site report of the Navasota River Basin, Texas, for the period March 15, 1973 through September 10, 1973. The project will be under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.
7. Modification No. 07, Supplemental Agreement to Contract N00014-67-A-0126-0004, by which the Department of the Navy, Arlington, Virginia, provides \$20,000 additional funds (Travis County) for support of research entitled, "The Development and Testing of an Audio Frequency Magnetotelluric System with Applications to the Llano Uplift Region," and extends the contract for the period October 1, 1972, through September 30, 1973. The research continues under the direction of Dr. H. W. Smith, Professor of Electrical Engineering.

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GRANTS, CONTRACTS and AGREEMENTS - FEDERAL (Continued):

8. Modification No. 08, Supplemental Agreement to Contract N00014-67-A-0126-0008, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$50,000 additional funds (Travis County) for the period January 1, 1973 through October 31, 1973. The research entitled, "Mathematical Methods in Manpower Management," continues under the direction of Dr. Abraham Charnes, Professor of General Business.
9. Modification No. 04, Supplemental Agreement to Contract N00014-67-A-0126-0014, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$23,000 additional funds (Travis County) and extends the contract for the period June 1, 1973 through December 31, 1973. The research entitled, "Proposal for Continued Investigation of Pyromagnetic Infrared Radiation Detectors," continues under the direction of Dr. R. W. Bene, Assistant Professor of Electrical Engineering, and Dr. R. M. Walser, Assistant Professor of Electrical Engineering.
10. Modification No. 01, Supplemental Agreement to Contract N00014-70-A-0166-0009, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides for no-cost extension through June 30, 1973, and updates Form 254. The research entitled, "Echo Structures," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
11. Modification P00007, Supplemental Agreement to Contract N00024-72-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., adds \$2,800 to prior funds for a total of \$657,000 toward the \$869,000 awarded under the contract. The research entitled, "Naval Shipyard and TRF Sonar Support and Assistance," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
12. Contract N00024-73-C-1068, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$65,000 (Travis County) for research entitled, "Nonlinear Echo Ranging Sonar Study," for the period February 28, 1973 through February 27, 1974. The research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
13. Contract N00024-73-C-1123, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$98,416 (Travis County) for support of research entitled, "Nonlinear Sonar Testbed," for the period February 28, 1973 through February 27, 1974. The research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
14. Contract N00024-73-C-1135, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$50,000 (Travis County) for support of research entitled, "AN/SQQ-14 Sonar Support Program," for the period March 8, 1973 through September 30, 1973. The research is performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
15. Contract N00024-73-C-1196, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$69,000 (Travis County) for support of research entitled, "AN/SQQ-14 Deep Mod Developmental Assistance Program." The contract is effective for the period March 13, 1973 through March 12, 1974, and the research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

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

16. Modification P00002, Supplemental Agreement to Contract N00123-73-C-0575, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, incorporates into the contract the advance payments, finding and authority clauses in accordance with the Advance Payment Pool Agreement between the Government and the University (dated 3 February 1971). The research entitled, "Bio-Systems Sonar Research Support," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
17. Modification P00003 to Contract N00123-73-C-0575, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, provides \$24,310 to add to prior funds for a total of \$49,310 against the total estimated cost of \$95,000 awarded with the contract. The research entitled, "Bio-Systems Sonar Research Support," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
18. Modification P00002, Supplemental Agreement to Contract N00123-73-C-0587, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, incorporates into the contract the advance payments, finding and authority clauses in accordance with the Advance Payment Pool Agreement between the Government and the University (dated February 3, 1971). The research entitled, "AN/FQM-10(V) Sonar Test Set Modernization," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
19. Modification P00002, Supplemental Agreement to Contract N00123-73-C-1370, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, makes certain deletions from and additions to the General Provisions without changing the estimated cost or effective period of the contract. The research entitled, "Doppler Tracking System Operation," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
20. Modification P00001, Supplemental Agreement to Contract N00123-73-C-1370, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, adds Section J-12: Transportation, Automobile Depreciation, and Building Amortization Clauses to correct deficiencies in the basic contract. The research entitled, "Doppler Tracking System Operation," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
21. Modification P00010 to Contract N60921-71-C-0227, by which the Department of the Navy, Office of Naval Research, White Oak, Silver Spring, Maryland, adds certain items to Government Furnished Material without otherwise changing the contract. The research entitled, "Research and Development on Acoustic Mine Mechanisms," continues at Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
22. Contract/Purchase Order N61331-73-M-1899, by which the Department of the Navy, Naval Coastal Systems Laboratory, Panama City, Florida, provides \$2,500 (Travis County) for repair and service of AN/SQS-47 Sonar, effective March 14, 1973. The service will be provided by Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
23. [Number not used]

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

24. Modification No. 1C to Contract NAS 9-13176, by which the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, denotes the change of name from Manned Spacecraft Center to Lyndon B. Johnson Space Center. The research entitled, "Ultraviolet Stellar Astronomy, Skylab Experiment S-019," continues under the direction of Dr. Karl G. Henize, Adjunct Professor of Astronomy.
25. Modification No. 2S, Supplemental Agreement to Contract NAS 9-12568, by which the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, provides \$15,000 additional funds (Travis County) and extends the contract for the period June 1, 1973 through May 31, 1974. The research entitled, "Operation, Maintenance, and Analysis Related to Data Storage Unit at McDonald Observatory, The University of Texas at Austin," continues under the direction of Dr. T. G. Barnes, Assistant Professor of Astronomy, and Dr. D. L. Lambert, Associate Professor of Astronomy.
26. Modification No. 2C to Contract NAS 9-13176, by which the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, adds \$51,200 to prior funds of \$124,000 and completes the funding of \$175,200 awarded for the period October 2, 1972 through June 30, 1973. The research entitled, "Ultraviolet Stellar Astronomy," continues under the direction of Dr. Karl G. Henize, Adjunct Professor of Astronomy.
27. Contract NAS 9-13312, by which the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, provides \$27,100 (Travis County) for support of research entitled, "Stream Network Analysis from Orbital and Sub-orbital Remote Sensing Imagery, Guadalupe River Basin, Texas," for the period May 1, 1973 through June 30, 1974; however, only \$2,500 is currently funded for a period ending June 30, 1973. The research will be under the direction of Dr. R. K. Holz, Associate Professor of Geography, and Dr. V. R. Baker, Assistant Professor of Geological Sciences.
28. Supplement No. 1 to Grant NGR 44-012-224, by which the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, extends the grant for the period April 1, 1973 through August 31, 1973. The research entitled, "Performance and Adjustment in Isolated Environments," continues under the direction of Dr. R. L. Helmreich, Associate Professor of Psychology.
29. Grant NGR 44-012-240, by which the National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, provides \$9,991 (Travis County) for support of research entitled, "Josephson Junction Detector System for Spectral Studies from .3mm to 1.5 mm Wavelength," for the period February 15, 1973, through February 14, 1974. The research will be under the direction of Dr. Bruce T. Ulrich, Assistant Professor of Astronomy and Physics.
30. Grant NGR 44-012-258, by which the National Aeronautics and Space Administration, Washington, D. C., provides \$11,000 (Travis County) for support of research entitled, "Research on Stark Broadening of Heavy Neutral Atoms and Ions," for a period of approximately ten months beginning about June 1, 1973. The research will be under the direction of Dr. Roger D. Bengtson, Assistant Professor of Physics.

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

31. AEC Grant MG-203-73 (Special Nuclear Materials Agreement) by which the U.S. Atomic Energy Commission, Washington, D. C., provides the Nuclear Reactor Laboratory with approximately 128 Grams of Plutonium (Source Nos. M797, M798 and M799). This Materials Grant Agreement converts and replaces previous Loan Agreements and has an approximate value of \$5,000 subject to certain terms and conditions stated. The Nuclear Reactor Teaching Laboratory is under the direction of Dr. E. Linn Draper.
32. Modification No. 10, Supplemental Agreement to Contract AT-(40-1)-3458, by which the U.S. Atomic Energy Commission, Oak Ridge Operations, Oak Ridge, Tennessee, provides \$101,000 additional funds (Travis County) and extends the contract for the period December 1, 1972 through September 30, 1973; however, this amount is funded only for the period ending June 30, 1973. The research entitled, "Plasma Confinement and Turbulence Theory," continues under the direction of Dr. W. E. Drummond, Professor of Physics.
33. Modification No. 3, Supplemental Agreement to Contract AT-(40-1)-4087, by which the U. S. Atomic Energy Commission, Oak Ridge Operations, Oak Ridge, Tennessee, provides \$318,000 additional funds (Travis County) and extends the contract for the period December 1, 1972 through September 30, 1973; however, the current amount funded is only for the period ending June 30, 1973. The research entitled, "Texas Turbulent Torus," continues under the direction of Dr. W. E. Drummond, Professor of Physics.
34. Grant No. 21-48-73-33, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., provides \$147,500 (\$61,825 Travis County; \$85,675 State of Georgia) for the period February 20, 1973 through February 28, 1974, for continuing support of a pilot project to overcome barriers to employment of minority women in white collar jobs (the purpose being to test the usefulness of the outreach concept to get black women into professional and managerial positions presently not occupied). The project was begun under Grant No. 82-48-71-38, and continues under the direction of Dr. F. Ray Marshall, Professor of Economics.
35. Change Order No. 2 to Contract No. 14-10-7-931-39, by which the U. S. Department of Interior, National Park Service, Southwest Region, Santa Fe, New Mexico, provides for no-cost extension of the contract through December 31, 1973. The Amistad Reservoir, Texas, archeological investigations continue under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.
36. Contract DOT-OS-30089, by which the Department of Transportation, Washington, D. C., provides \$41,830 (Travis County) for support of research entitled, "Vehicle Noise Studies." The contract is effective for the period June 1, 1973 through May 31, 1974, and the research will be under the direction of Dr. E. L. Hixson, Professor of Electrical Engineering.
37. Contract DOT-OS-30093, by which the Department of Transportation, Office of the Secretary, Washington, D. C., provides \$280,000 (Travis County) for support of research entitled, "Transportation to Fulfill Human Needs in the Rural/Urban Environment." The contract is effective for the period April 6, 1973 through April 5, 1974, and the research will be under the direction of Dr. William R. Hudson, Associate Professor of Civil Engineering.

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

38. Continuation Grant R-800871 by which the U.S. Environmental Protection Agency, Washington, D. C., provides \$25,000 additional funds (Travis County) for support of research entitled, "Dynamical Theories of Knudsen Aerosols," 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. James R. Brock, Professor of Chemical Engineering.
39. Amendment (dated 29 March 1973) to Action No. 1 – Grant No. 61202, by which the Office of Economic Opportunity, Washington, D. C., provides \$77,481 (Travis County) for support of research entitled, "Income Change, Poverty Reduction and Labor Mobility in Nonmetropolitan Areas." Action No. 1 – Grant No. 61202 is extended for the period February 1, 1973 through January 31, 1974, and the research continues under the direction of Dr. Niles M. Hansen, Professor of Economics.
40. Amendment (dated 19 February 1973) to Action No. 2 – Grant No. 61202, by which the Office of Economic Opportunity, Washington, D. C., extends the grant for the period September 1, 1973 through December 31, 1973. The research entitled, "Rural Markets Project," continues under the direction of Dr. F. Ray Marshall, Professor of Economics.
41. Amendment No. 3 to Grant SFG-2-7624, by which the Smithsonian Institution, Washington, D. C., extends the grant for the period April 1, 1973 through June 30, 1973. The archeological excavations at Stobi continue under the direction of Dr. James R. Wiseman, Professor of Classics.
42. Letter Contract NE-C-00-3-0066, by which the Department of Health, Education, and Welfare, National Institute of Education, Washington, D. C., provides \$418,625 (Travis County) for continuing support of the Research and Development Center for Teacher Education Program begun under Office of Education Contract OEC-6-10-108. The NIE contract is effective for the period March 1, 1973 through November 30, 1973, and the program continues under the direction of Dr. Robert F. Peck and Dr. Oliver H. Bown, Professors of Educational Psychology and Co-directors, Research and Development Center.
43. Modification No. 1 to Contract NE-C-00-3-0066, by which the Department of Health, Education, and Welfare, National Institute of Education, Washington, D. C., changes certain articles in the General Provisions of the contract. The Research and Development Center Teacher Education Program continues under the direction of Dr. Robert F. Peck and Dr. Oliver H. Bown, Professors of Educational Psychology and Co-directors, Research and Development Center.
44. Grant OEG-0-73-1010, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D.C., provides \$127,662 (Travis County) for support of 9 new and 10 continuing fellowships under Title V, EPDA, Part E, Graduate Fellowship Program, for the period September 1, 1973 through August 31, 1974. The project entitled, "Junior College Leadership Program," was formerly Award #451-003658 and continues under the direction of Dr. John E. Roueche, Professor of Educational Administration.
45. Grant OEG-0-73-1195, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D.C., provides \$347,287 (Travis County) for support of a special experimental demonstration project entitled, "Adult Performance Level Study-Phase II," for the period February 1, 1973 through July 31, 1974. The project will be under the direction of Dr. W. E. Barron, Dean, Division of Extension.

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GRANTS, CONTRACTS and AGREEMENTS - FEDERAL (Continued):

46. Grant dated 4 April 1973 by which the Department of Health, Education, and Welfare, Health Services and Mental Health Administration, Maternal and Child Health Services, Rockville, Maryland, provides \$107,914 (Travis County) for continued support of MCH Project #259 entitled, "Social Work Training in Relation to Handicapped Children." The grant is effective for the period April 1, 1973 through March 31, 1974, and the project continues under the direction of Dr. Charles W. Laughton, Acting Dean, Graduate School of Social Work.
47. Grant AM15818-02, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Arthritis, Metabolism, and Digestive Diseases, Bethesda, Maryland, provides \$28,427 (Travis County) for support of research entitled, "Genetic Enzyme Variants, Uric Acid and Lipids," for the period April 1, 1973 through March 31, 1974. The total project period is April 1, 1972 through March 31, 1976, and the research continues under the direction of Dr. Walter K. Long, Lecturer in Zoology.
48. Grant GM13557-07, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$51,815 (Travis County) for support of research entitled, "Physico-Chemical Studies on Irradiated Cells," for the period April 1, 1973 through March 31, 1974. The total project period is May 1, 1971 through March 31, 1976, and the research continues under the direction of Dr. Edward L. Powers, Professor of Zoology.
49. Grant GM18775-02, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$22,777 (Travis County) for support of research entitled, "Factors Controlling Protein Biosynthesis," for the period April 1, 1973 through March 31, 1974. The total project period is January 1, 1972 through March 31, 1975, and the research continues under the direction of Dr. Joanne M. Ravel, Associate Professor of Chemistry.
50. Contract NIH-73-C-779, by which the Department of Health, Education, and Welfare, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, provides \$11,011 (Travis County) for support of a "Conference on the Demographic Study of the Mexican American Population." The contract is effective for the period March 19, 1973 through March 18, 1974, and the conference will be under the direction of Dr. Harley L. Browning, Professor of Sociology.
51. Grant K04-ES70088-02, Development Award-Research Career Program, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Environmental Health Sciences, Bethesda, Maryland, provides \$25,000 (Travis County) for support of research entitled, "Mechanisms of Enzymatic Oxygen Fixation." The grant is effective for the period April 1, 1973 through March 31, 1974, and the research will be under the direction of Dr. L. Joe Berry, Professor of Microbiology (Sponsor), and Dr. David T. Gibson, Associate Professor of Microbiology (Awardee).
52. Grant T01 DA00080-02 (formerly T01 MH13257-01) by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$24,775 (Travis County) for support of a training program entitled, "Career Teacher Non-Medical-Narcotic-Drug Abuse," 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.

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

53. Amendment No. 1 to Grant GA-31408, by which National Science Foundation, Washington, D. C., provides \$6,100 additional funds (Travis County) for support of research entitled, "Dynamics of the Stratosphere," and extends the grant for the period November 1, 1973 through October 31, 1974. The research continues under the direction of Dr. John H.E. Clark, Assistant Professor of Meteorology.
54. Amendment No. 1 to Grant GB-22995, by which National Science Foundation, Washington, D. C., extends the grant through November 30, 1973, without additional funds. The research entitled, "Control of Hormone Release from the Teleost Pituitary," continues under the direction of Dr. Martin Sage, Professor of Zoology.
55. Grant GB-37682, by which National Science Foundation, Washington, D. C., provides \$24,500 (Travis County) for support of research entitled, "Nitrogen Metabolism in Blue-green Algae." The grant is effective for the period March 15, 1973, through August 31, 1975, and the research will be under the direction of Dr. J. Lawrence Fox, Assistant Professor of Zoology.
56. Grant GB-37690, by which National Science Foundation, Washington, D. C., provides \$80,000 (Travis County) for support of research entitled, "Biochemical and Ecological Population Genetics." The grant is effective for the period April 1, 1973, through September 30, 1975, and the research will be under the direction of Dr. Robert K. Selander, Professor of Zoology.
57. Grant GH-37695, by which National Science Foundation, Washington, D. C., provides \$10,000 (Travis County) toward the purchase of a Research Metallograph. The grant is effective for the period March 15, 1973 through September 30, 1974, and the purchase will be under the direction of Dr. T. H. Courtney, Associate Professor of Mechanical Engineering.
58. Amendment No. 2 to Grant GK-11927, by which National Science Foundation, Washington, D. C., extends the grant through May 31, 1973, without additional funds. The research entitled, "Constitutive Relationships for Clay Soils," continues under the direction of Dr. Lymon C. Reese, Professor of Civil Engineering.
59. Grant GK-37367, by which National Science Foundation, Washington, D. C., provides \$16,900 (Travis County) for support of research entitled, "Research Initiation - On the Use of Incomplete Constitutive Information in Thermoelasticity," for the period April 1, 1973 through March 31, 1975. The research will be under the direction of Dr. Henry J. Petroski, Assistant Professor of Aerospace Engineering and Engineering Mechanics.
60. Grant GK-37458, by which National Science Foundation, Washington, D. C., provides \$17,000 (Travis County) for support of research entitled, "The Selection of Process Measurements for Control of Mass Transfer Processes." The grant is effective for the period April 1, 1973 through March 31, 1975, and the research will be under the direction of Dr. Thomas F. Edgar, Assistant Professor of Chemical Engineering.
61. Amendment No. 1 to Grant GP-32263X, by which National Science Foundation, Washington, D. C., provides \$42,700 additional funds (Travis County) and extends the grant for the period February 1, 1973 through July 31, 1974. The research entitled, "Photoelectric Measurement of Lunar Occultations," continues under the direction of Dr. D. S. Evans, Professor of Astronomy.

## THE UNIVERSITY OF TEXAS AT AUSTIN

June 1, 1973

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

62. Grant GP-37974, by which National Science Foundation, Washington, D. C., provides \$75,200 (Travis County) for support of research entitled, "Structure and Reactivity in Catalytic Systems." The grant is effective for the period June 1, 1973 through November 30, 1975, and the research will be under the direction of Dr. John M. White, Associate Professor of Chemistry.
63. Grant GP-38027X, by which National Science Foundation, Washington, D. C., provides \$26,900 (Travis County) for support of continuing research entitled, "Phosphorous Chemistry," for the period effective June 1, 1973 through November 30, 1974. The research was begun in June 1971 under Grant GP-28634 and will continue under the direction of Dr. Alan H. Cowley, Professor of Chemistry.
64. Amendment No. 1 to Grant GS-3285, by which National Science Foundation, Washington, D.C., extends the grant for the period November 15, 1972 through October 31, 1973. The research entitled, "Psycholinguistic Studies of Comprehension," continues under the direction of Dr. Philip B. Gough, Professor of Psychology, and Dr. Donald J. Foss, Associate Professor of Psychology.
65. Grant GS-37791, by which National Science Foundation, Washington, D. C., provides \$3,500 (Travis County) for support of "Doctoral Dissertation Research – A Functional Study of Settlement Patterns in the Moche Valley, Peru." The grant is effective for the period July 1, 1973 through March 31, 1975, and the research will be performed by Sheilia Pozorski (Doctoral Candidate) under the direction of Dr. Richard P. Schaedel, Professor of Anthropology (Sponsor).
66. Grant GS-37977X, by which National Science Foundation, Washington, D. C., provides \$35,500 (Travis County) for support of "Collaborative Research on Determinants of Reactions to Stigmatized Groups." The grant is effective for the period May 1, 1973 through October 31, 1974, and the research will be under the direction of Dr. David C. Glass, Professor of Psychology.
67. Grant GS-38144X, by which National Science Foundation, Washington, D. C., provides \$32,800 (Travis County) for support of research entitled, "Students' Attitudes Towards Achievement Motivation in Women." The grant is effective for the period June 1, 1973 through November 30, 1974, and the research will be under the direction of Dr. Janet T. Spence, Professor of Psychology and of Educational Psychology.
68. Amendment No. 1 to Grant GW-7770, by which National Science Foundation, Washington, D. C., extends the grant through June 30, 1974, without additional funds, and continues support of the summer institute program in Physics for secondary school teachers under the direction of Dr. R. N. Little, Professor of Physics and Education.
69. Grant GD-37720, by which National Science Foundation, Washington, D. C., provides \$23,500 to the Marine Science Institute at Port Aransas for oceanographic facilities and support for the Research Vessel LONGHORN. The grant is effective for the period March 15, 1973 through August 31, 1974, and the project will be under the direction of Dr. E. William Behrens, Associate Professor of Geological Sciences.

## THE UNIVERSITY OF TEXAS AT AUSTIN

June 1, 1973

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

70. Grant GY-10691, by which National Science Foundation, Washington, D. C., provides \$18,410 (Travis County) for support of a program entitled, "Undergraduate Research Participation." The grant is effective for the period March 23, 1973, through May 31, 1974, and the research will be under the direction of Dr. Charles G. Wade, Assistant Professor of Chemistry.

71. Grant GZ-2643, by which National Science Foundation, Washington, D. C., provides \$75,000 (Travis County) for support of a graduate professional program in energy systems engineering. The grant is effective for the period April 11, 1973, through April 30, 1976, and the program will be under the direction of Dr. E. Linn Draper, Assistant Professor of Mechanical Engineering.

THE UNIVERSITY OF TEXAS AT AUSTIN  
AMENDMENTS TO THE 1972-73 OPERATING BUDGET  
BOARD OF REGENTS MEETING - JUNE 1, 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	Full-time Salary No. Mos.	Rate
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GENERAL ADMINISTRATION  
AND STUDENT SERVICES

Office of the President

Transfer of Funds

1. Amount of Transfer - \$ 55,304

To: Office of the President - Development of Student Services

From: Office of the Vice President for Academic Affairs -

Administrative and Professional Salaries -	\$ 29,916
Classified Personnel	12,567
Wages	9,774
Maintenance and Operation	558
Travel	1,785
Computer Rental and Purchased Services	704

To transfer balances to Office of the President in line with reassignment of personnel and functions formerly performed in the Office of the Vice President for Academic Affairs.  
(RBC# 2435)

Office of the Registrar

Interdepartmental Transfer

2. Amount of Transfer - \$ 2,575

To: Office of the Registrar - Wages

From: Office of the Vice President for Student Affairs - Development of Student Services

To provide the Registrar's Office with the services of a temporary Transcript Evaluator.  
(RBC# 2541)

Central Receiving

Transfer of Funds

3. Amount of Transfer - \$ 18,000

To: Central Receiving - Special Equipment

From: Unallocated Maintenance and Operation

Funds were used to purchase two trucks and miscellaneous small equipment items needed for this new division.  
(RBC# 2478)

<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)

Student Financial Aids

Transfer of Funds

4. Amount of Transfer - \$ 5,000

To: Student Financial Aids - Development of Student Services

From: Unallocated Maintenance and Operation - (\$ 3,000)  
Office of the Vice President for Student Affairs -  
Development of Student Services - (\$ 2,000)

To support a Summer Intern Program in which students of pre-junior and pre-senior level are placed in career-related jobs.  
(RBC# 2471, 2538)

International Office

Transfer of Funds

5. Amount of Transfer - \$ 4,012

To: International Office - Wages - (\$ 3,012)  
International Office - Maintenance and Operation - (\$ 1,000)

From: Unallocated Maintenance and Operation

To return to the International Office Wages and Maintenance and Operation accounts an amount equal to 85% of the tuition and fees paid by 15 participants in the International Educational Development Program and 8 participants in the Korean Program - IIE 1972. A 15% overhead charge has been retained. These funds were deposited to General Budget Income, but are needed now by the International Office to defray expenses incurred by the presentation of these programs.  
(RBC# 2467)

SCHOOL OF ARCHITECTURE

Leave of Absence

Professor

6. Leon M. Cole (Tenure)	9/1 - 5/31	50	9	\$ 19,900
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Term of Leave 3/13 - 5/31  
(RBC# 2465)

COLLEGE OF HUMANITIES

Office of the Dean

Transfer of Funds

7. Amount of Transfer - \$ 2,000

To: Office of the Dean - Wages

From: Slavic Languages - Teaching Assistants

Transfer unused Teaching Assistants funds to provide for two research assistants needed in the Office of the Dean.  
(RBC# 2433)

<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 HUMANITIES (Continued)Office of the Dean (Continued)

## Transfer of Funds

8. Amount of Transfer - \$ 5,249

Funds were transferred from the Dean's Special Equipment Account to the College's departmental Special Equipment accounts as follows:

- |  |        |
|--|--------|
| (1) Classics   | \$ 250 |
| To purchase shatterproof glass protective panels for the departmental collection of antiquities.<br>(RBC# 2497)  |        |
| (2) Germanic Languages   | 1,192  |
| Funds were used to purchase an IBM Selectric II, a Burroughs electronic calculator and for maps.<br>(RBC# 2489)  |        |
| (3) Language Laboratory  | 1,975  |
| Funds were used to purchase a short-wave radio receiver, a sound projector and for five tape cassette decks.<br>(RBC# 2498)  |        |
| (4) Oriental and African Languages and Literatures   | 590    |
| Funds were used to purchase an NSI-151 Chinese typewriter.<br>(RBC# 2496)  |        |
| (5) Philosophy   | 592    |
| Funds were used to purchase a slide projector with zoom lens and carrying case, a portable tape recorder, a portable 6' screen, six slide trays and two projection bulbs.<br>(RBC# 2491) |        |
| (6) Spanish and Portuguese   | 650    |
| Funds were used to purchase two overhead projectors, three overhead projector screens and for blackboards.<br>(RBC# 2487)  |        |

English

## Interdepartmental Transfer

9. Amount of Transfer - \$ 71

To: English - Travel

From: Office of the Dean, College of Humanities - Travel

Reallocation of travel funds to provide the English Department with the additional travel funds needed.  
(RBC# 2570)

French and Italian

## Interdepartmental Transfer

10. Amount of Transfer - \$ 250

To: French and Italian - Teaching Assistants

From: Philosophy - Teaching Assistants

Teaching Assistants funds available in the Philosophy Department were needed by the Department of French and Italian.  
(RBC# 2473)

<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 HUMANITIES (Continued)Germanic Languages

## Transfer of Funds

11. Amount of Transfer - \$ 1,000

To: Germanic Languages - Wages

From: Slavic Languages - Teaching Assistants

Funds available in the Slavic Languages Department Teaching Assistants account were needed for part-time secretarial help and a library acquisitions assistant for the Germanic Languages Department.

(RBC# 2434)

Philosophy

## Transfer Between Dissimilar Appropriations

12. Amount of Transfer - \$ 950

To: Wages

From: Teaching Assistants

Reallocation of departmental funds to provide for student assistants and graders needed for the Summer Session.

(RBC# 2474)

Slavic Languages

## Transfer Between Dissimilar Appropriations

13. Amount of Transfer - \$ 1,458

To: Wages

From: Teaching Assistants

Reallocation of departmental funds to provide this department with a Research Assistant needed for library associated work.

(RBC# 2432)

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCESOffice of the Dean

## Interdepartmental Transfer

14. Amount of Transfer - \$ 70

To: Office of the Dean, College of Social and Behavioral Sciences - Travel

From: Economics Department - Travel

To return to the Dean's Office the unused portion of travel funds transferred to the Economics Department for members of their faculty to attend the Economics Association Meeting in Toronto, Canada.

(RBC# 2484)

<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 SOCIAL AND BEHAVIORAL SCIENCES (Continued)</u>				
<u>Anthropology</u>				
Interdepartmental Transfer				
15. Amount of Transfer - \$ 500				
To: Anthropology - Maintenance and Operation				
From: Office of the Dean - College of Social and Behavioral Science - Maintenance and Operation				
Funds were needed by the Anthropology Department for the purchase of laboratory materials and for duplication expenses. (RBC# 2485)				
<u>Economics</u>				
Appointment				
Assistant Instructor				
16. Stuart J. Greenfield (Non-tenure) (RBC# 2437)	2/23 - 5/31	25	9	\$ 8,000
<u>Geography</u>				
Interdepartmental Transfer				
17. Amount of Transfer - \$ 210				
To: Geography - Visiting Lecturers and Consultants				
From: Office of the Dean - College of Social and Behavioral Sciences - Visiting Lecturers and Consultants.				
Funds were used for the stipend of a visiting lecturer for the Geography Department. (RBC# 2430)				
<u>Government</u>				
Transfer of Funds				
18. Amount of Transfer - \$ 1,804				
To: Government - Maintenance and Operation				
From: Unallocated Maintenance and Operation				
Transfer to the Government Department - Maintenance and Operation account an amount equal to laboratory fees collected from students enrolled in Government 311L, 312L, 350K and 381M. These funds were deposited to General Budget Income but are needed now to defray expenses of media materials and film rental for which students paid the supplementary fee. (RBC# 2458)				
<u>Psychology</u>				
Appointment				
Lecturer				
19. Karen S. Kamerschen (Non-tenure)	1/16 - 5/31	---	---	---
Concurrent Employment:				
Counseling - Psychological Services Center				
Psychologist IV (RBC# 2559)	9/1 - 8/31	100	12	16,020

<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 SOCIAL AND BEHAVIORAL SCIENCES (Continued)</u>				
<u>Psychology (Continued)</u>				
Appointment				
Lecturer				
20. Thomas W. Lowry (Non-tenure)	1/16 - 5/31	---	---	---
Concurrent Employment:				
Counseling - Psychological Services Center				
Psychologist IV (RBC# 2560)	9/1 - 8/31	100	12	\$ 15,384

Sociology

## Interdepartmental Transfer

21. Amount of Transfer - \$ 10

To: Sociology - Visiting Lecturers and Consultants

From: Office of the Dean - College of Social and Behavioral Sciences -  
Visiting Lecturers and ConsultantsFunds were used for the stipend of a visiting lecturer.  
(RBC# 2486)COLLEGE OF NATURAL SCIENCESOffice of the Dean

## Transfer of Funds

22. Amount of Transfer - \$ 19,700

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

- (1) Chemistry \$ 2,500  
To purchase an X-Ray Diffractometer  
(RBC# 2565)
- (2) Computer Sciences 2,500  
To purchase a Tectronics 4010 Graphic Display Terminal  
(RBC# 2488)
- (3) Geological Sciences 5,700  
To purchase a programmable calculator and a van truck.  
(RBC# 2566)
- (4) Home Economics 2,000  
To purchase teaching equipment for nutrition and food  
science courses.  
(RBC# 2494)
- (5) Microbiology 2,000  
To purchase a refrigerated centrifuge.  
(RBC# 2574)
- (6) Physics 2,500  
Funds were used to purchase laboratory equipment needed  
for Physics 827b.  
(RBC# 2572)
- (7) Zoology 2,500  
Funds were used to purchase a Fraction Collector and  
LKB-7000-1 Incubator.  
(RBC# 2492)

<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>Chemistry</u>				
Resignation				
Instructor (1972-73 Only)				
23. L. L. Griffin, Jr. (Non-tenure)	1/16 - 5/31	100	Academic Rate \$ 9,000	Stipend \$ 1,500
Date of Resignation		2/28/73		
(RBC# 2530)				
<u>Mathematics</u>				
Appointment				
Visiting Professor				
24. W. A. J. Luxenburg (Non-tenure)	3/19 - 3/29	100	Academic Rate 23,400	Stipend 650
(RBC# 2499)				
Transfer Between Dissimilar Appropriations				
25. Amount of Transfer - \$ 1,353				
To: Wages				
From: Teaching Assistants				
Reallocation of departmental funds to provide for assistants needed during the Summer Session. (RBC# 2577, 2578)				
<u>DIVISION OF GENERAL AND COMPARATIVE STUDIES</u>				
<u>Office of the Dean</u>				
Interdepartmental Transfer				
26. Amount of Transfer - \$ 1,000				
To: Office of the Dean - Division of General and Comparative Studies - Wages				
From: Office of the Dean - College of Social and Behavioral Sciences - Classified Personnel				
Reallocation of funds to cover costs of temporary clerical help needed during the leave of absence of a regular member of the classified staff. (RBC# 2431)				
<u>COLLEGE OF EDUCATION</u>				
<u>Office of the Dean</u>				
Appointment				
Associate Dean				
27. Edmund T. Emmer	4/1 - 5/31	---	---	---
Concurrent Employment:				
Educational Psychology				
Associate Professor	9/1 - 5/31	100	9	13,900
(RBC# 2557)				

<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 EDUCATION (Continued)</u>				
<u>Cultural Foundations of Education</u>				
Transfer Between Dissimilar Appropriations				
28. Amount of Transfer - \$ 52				
To: Computer Rental and Purchased Services				
From: Maintenance and Operation				
Transfer to the appropriate account funds needed for computer time. (RBC# 2483)				
<u>Curriculum and Instruction</u>				
Appointment			Academic	
Instructor			Rate	Stipend
29. Gail G. Leifeste (Non-tenure) (RBC# 2481)	1/16 - 5/31	50	\$ 9,000	\$ 1,800
Interdepartmental Transfer				
30. Amount of Transfer - \$ 700				
To: Curriculum and Instruction - Maintenance and Operation				
From: Office of the Dean, College of Education - Maintenance and Operation				
Funds were needed for maintenance and operating costs of the Media Education Center. (RBC# 2567)				
<u>Health, Physical Education and Recreation</u>				
Transfer of Funds				
31. Amount of Transfer - \$ 6,850				
To: Health, Physical Education and Recreation - Special Equipment				
From: Office of the Dean, College of Education - Special Equipment				
Funds were used for the development of this new department's facilities. (RBC# 2569)				
Transfer Between Dissimilar Appropriations				
32. Amount of Transfer - \$ 5				
To: Teaching Assistants				
From: Wages				
To provide the additional support needed for Teaching Assistants for the Spring Semester. (RBC# 2423)				

<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 ENGINEERING</u>				
<u>Office of the Dean</u>				
Change of Status				
Assistant Counselor				
33. Margaret R. Baker				
To:	6/1 - 7/15	100	9	\$ 12,200
From:	6/1 - 8/31	50	9	12,200
Academic Status:				
Associate Professor				
(Mechanical Engineering -				
Engineering Graphics				
Division)				
(RBC# 2556)				
<u>Chemical Engineering</u>				
Appointment				
Assistant Professor				
34. Joel W. Barlow (Non-tenure)	3/16 - 5/31	100	9	15,000
Source of Funds:				
Transfer from Unallocated				
Teaching Salaries				
(RBC# 2500, 2543)				
<u>COLLEGE OF FINE ARTS</u>				
<u>Office of the Dean -</u>				
<u>Fine Arts Projects</u>				
Transfer of Funds				
35. Amount of Transfer - \$ 1,564				
To:	Office of the Dean, College of Fine Arts - Fine Arts Projects			
From:	Unallocated Maintenance and Operation			
Transfer an amount equal to the box office receipts from the				
Rampal-Veyron-Lacroix Concert to the Fine Arts Projects. These				
funds were deposited to General Budget Income but are needed now				
to defray expenses incurred in the presentation of this concert.				
(RBC# 2526)				
<u>Art Teaching Gallery</u>				
Transfer Between Dissimilar Appropriations				
36. Amount of Transfer - \$ 12,000				
To:	Wages			
From:	Administrative and Professional Salaries			
Reallocation of available funds to pay student assistants				
needed to install exhibitions.				
(RBC# 2495)				

<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 FINE ARTS (Continued)Drama

## Transfer Between Dissimilar Appropriations

37. Amount of Transfer - \$ 3,750

To: Visiting Lecturers and Consultants

From: Faculty Salaries

Funds available due to a change of status of a member of the regular faculty of the Drama department were used for a stipend for a visiting lecturer who taught in the department's modern dance program and choreographed "El Retablo de Maese Pedro" for the Spring Dance Production.

(RBC# 2576)

COLLEGE OF PHARMACY

## Transfer Between Dissimilar Appropriations

38. Amount of Transfer - \$ 1,500

To: Visiting Lecturers and Consultants

From: Administrative and Professional Salaries

Funds were needed for the stipend of a visiting lecturer.

(RBC# 2490)

GRADUATE SCHOOL OF SOCIAL WORK

## Change of Status

39. Jack Otis 6/1 - 8/31 100 12 \$ 31,000

To: Professor - Special  
Faculty Assignment

From: Dean

Dr. Otis has been relieved of Administrative duties in the Dean's Office for the Summer Session, only.

(RBC# 2477)

LEJ SCHOOL OF PUBLIC AFFAIRS

## Appointment

Director, Office of Research

40. Joe G. Moore, Jr. 3/1 - 8/31 100 12 25,632  
(RBC# 2480)

## Resignation

Lecturer

41. Nicholas P. Thomas (Non-tenure) 9/1 - 5/31 100 9 18,000

Date of Resignation 3/31/73  
(RBC# 2440)

<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>

UNALLOCATED

Unallocated Teaching Equipment

Transfer of Funds

42. Amount of Transfer - \$ 81,455

Transfers were made from the Institutional Unallocated Teaching Equipment Account to the Schools' and Colleges' Dean's and Director's Special Equipment Accounts as follows:

(1) School of Architecture (RBC# 2452)	\$ 1,000	(9) College of Engineering (RBC# 2449)	\$ 19,000
(2) College of Humanities (RBC# 2452)	6,000	(10) College of Fine Arts (RBC# 2450)	4,700
(3) College of Social and Behavioral Sciences (RBC# 2520)	4,000	(11) School of Law (RBC# 2523)	50
(4) College of Natural Sciences (RBC# 2519)	22,375	(12) Graduate School of Library Science (RBC# 2522)	1,500
(5) Division of General and Comparative Studies (RBC# 2524)	1,800	(13) College of Pharmacy (RBC# 2448)	1,500
(6) College of Business Administration (RBC# 2459)	7,000	(14) Graduate School of Social Work (RBC# 2525)	1,500
(7) School of Communication (RBC# 2453)	2,680	(15) LBJ School of Public Affairs (RBC# 2521)	1,500
(8) College of Education (RBC# 2451)	6,850		

Unallocated Special Equipment

Transfer of Funds

43. Amount of Transfer - \$ 10,445

Transfers were made from the Institutional Unallocated Special Equipment Account to the departmental and Dean's Offices Special Equipment accounts as follows:

(1) Office of Accounting (RBC# 2479)	\$ 2,000
(2) College of Natural Sciences (RBC# 2519)	7,625
(3) School of Communication (RBC# 2453)	820

LIBRARY

Reappointment

Professional Librarian

44. Carole K. L. Cable 3/5 - 8/31 50 12 8,900

Previous appointment was at the same rate.  
(RBC# 2532)

<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>				
Appointment				
Professional Librarian				
45. Marcia M. Parsons (RBC# 2535)	3/12 - 8/31	50	12	\$ 8,900
<u>Law Library</u>				
Salary Increase				
Associate Law Librarian				
46. Leslie W. Sheridan				
To:	9/1 - 2/28	100	12	17,088
	3/1 - 8/31	100	12	18,088
From:	9/1 - 8/31	100	12	<u>17,088</u>
Rate Increase (RBC# 2444)			<u>12</u>	<u>1,000</u>
Salary Increase				
Professional Librarian				
47. Yi-Ning Liu				
To:	9/1 - 2/28	100	12	8,000
	3/1 - 8/31	100	12	9,000
From:	9/1 - 8/31	100	12	<u>8,000</u>
Rate Increase (RBC# 2443)			<u>12</u>	<u>1,000</u>
Salary Increase				
Professional Librarian				
48. Lance E. Dickson				
To:	9/1 - 2/28	100	12	9,500
	3/1 - 8/31	100	12	10,500
From:	9/1 - 8/31	100	12	<u>9,500</u>
Rate Increase (RBC# 2442)			<u>12</u>	<u>1,000</u>

ORGANIZED RESEARCH

Office of Bilingual Education

Transfer Between Dissimilar Appropriations

49. Amount of Transfer - \$ 1,943

To: Equipment

From: Classified Personnel

Reallocation of departmental funds to provide for office equipment needs.

(RBC# 2550)

<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>Center for Nuclear Studies</u>				
Resignation				
Director				
50. Ira L. Morgan	9/1 - 5/31	25	9	\$ 23,000
Date of Resignation	1/15/73			
Academic Status:				
Professor (Physics) - on				
Leave from Physics Department for 1972-73 academic year.				
(RBC# 2445)				
Transfer Between Dissimilar Appropriations				
51. Amount of Transfer - \$ 9,170				
To: Research in Nuclear Physics - Classified Salaries				
From: Research in Nuclear Physics - Administrative and Professional Salaries				
Reallocation of salary funds to provide support where needed.				
(RBC# 2552)				
<u>Animal Resources Center</u>				
Transfer Between Dissimilar Appropriations				
52. Amount of Transfer - \$ 12,000				
To: Animal Resources Center - Satellite Facilities				
From: Animal Resources Center - Maintenance and Operation				
Funds were used for construction of a primate facility at Balcones Research Center.				
(RBC# 2551)				
<u>Center for Research in Water Resources</u>				
Transfer Between Dissimilar Appropriations				
53. Amount of Transfer - \$ 33				
To: Maintenance and Operation				
From: Administrative and Professional Salaries				
Reallocation of funds for better utilization.				
(RBC# 2516)				
<u>Center for Statistical Mechanics and Thermodynamics</u>				
Appointment				
Research Scientist				
54. Andre G. Bellemans	3/1 - 5/31	100	12	12,000
(RBC# 2502)				

<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>Division of Natural Resources and Environment - Marine Science Institute</u>				
Transfer of Funds				
55. Amount of Transfer - \$ 3,374				
To: Marine Science Institute - Classified Personnel				
From: Unallocated Classified Salaries				
These additional funds were needed to establish a new position of Administrative Secretary. (RBC# 2472)				
<u>Humanities Research Center</u>				
Transfer Between Dissimilar Appropriations				
56. Amount of Transfer - \$ 5,476				
To: Maintenance and Operation - \$ 5,000 Classified Personnel - \$ 476				
From: Administrative and Professional Salaries				
Reallocation of the Center's funds to support personnel currently employed and to provide for operational needs. (RBC# 2517, 2518)				
<u>Learning Disability Center</u>				
Interdepartmental Transfer				
57. Amount of Transfer - \$ 530				
To: Learning Disabilities Center - Maintenance and Operation				
From: Reading - Study Center - Revolving Funds				
Transfer funds needed for telephone and other operating expenses. (RBC# 2456)				
<u>DIVISION OF EXTENSION</u>				
<u>Office of the Dean</u>				
Appointment and Salary Increase				
Director, Industrial Business Training Bureau				
58. Charles R. Kelso	4/1 - 8/31	100	12	\$ 17,500
Source of Funds: Dean's Office Wages account.				
Previous appointment: Extension Teaching and Field Service Bureau Social Science Research Associate V				
	9/1 - 3/31	100	12	<u>16,980</u>
Rate Increase (RBC# 2463, 2464)			<u>12</u>	<u>520</u>

<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 PLANTMarine Science Institute -  
Custodial Services

Interdepartmental Transfer

59. Amount of Transfer - \$ 25

To: Marine Science Institute - Custodial Services - Classified Personnel

From: Marine Science Institute - Administration - Wages

Reallocation of funds to permit a merit increase for a member of  
the classified staff.

(RBC# 2533)

Utilities

Transfer Between Dissimilar Appropriations

60. Amount of Transfer - \$ 12,000

To: Communications and Projections - Wages

From: Communications and Projections - Maintenance and Operation

Reallocation of funds to provide for actual needs.

(RBC# 2441)

SERVICE DEPARTMENTS AND  
REVOLVING FUNDSExtension Teaching and Field  
Service Bureau

Reappointment

Director, Texas Institute of  
Alcohol Studies

61. David A. Sands

2/1 - 8/31

100

12

\$ 16,000

Source of Funds:  
Institute on Alcohol  
Studies Revolving  
FundsPrevious appointments  
were at the same rate.

(RBC# 2314, 2439)

ACADEMIC DEVELOPMENTMicrobiology

Transfer of Funds

62. Amount of Transfer - \$ 5,000

To: Microbiology - Laboratory Development

From: Academic Development Fund Allotment Account

Funds are to be used for laboratory equipment and materials needed  
for a research program to be conducted by a new faculty member.

(RBC# 2475)

<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>

ACADEMIC DEVELOPMENT (Continued)Art

Interdepartmental Transfer

63. Amount of Transfer - \$ 250

To: Art - Academic Development Program

From: Division of General and Comparative Studies - Academic Development Program

Funds were used to support the Archaeology Program.  
(RBC# 2425)Center for Middle Eastern StudiesAppointment

Acting Director

64. Paul W. English 8/1 - 8/31 75 9 \$ 21,000

Source of Funds:  
Academic Development  
Funds - 64%  
Office of Education  
Contract - 11%Academic Status:  
Professor (Geography)  
(RBC# 2468, 2470)Appointment

Director

65. Robert A. Fernea 6/1 - 6/30 75 9 20,333

Source of Funds:  
Academic Development  
Program Funds (2/3T)  
and Office of Education  
Contract Funds (1/12T)Academic Status:  
Professor (Anthropology)  
and (Center for Middle  
Eastern Studies)  
(RBC# 2501, 2469)SPONSORED PROJECTSMathematicsAppointment

Research Scientist (Faculty)

66. Woodrow W. Bledsoe 6/1 - 6/30 100 9 25,000

Source of Funds:  
NSF GrantAcademic Status:  
Professor (Mathematics)  
(RBC# 2512)

<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>Mathematics (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
67. John R. Cannon	6/1 - 7/31	100	9	\$ 24,000
Source of Funds: NSF Grant				
Academic Status: Professor (Mathematics) (RBC# 2513)				
Research Scientist (Faculty)				
68. Elliott W. Cheney	6/1 - 8/31	100	9	27,000
Source of Funds: U.S. Air Force Contract				
Academic Status: Professor (Mathematics) (RBC# 2511)				
Research Scientist (Faculty)				
69. Larry L. Schumaker	6/1 - 8/31	100	9	18,500
Source of Funds: U.S. Air Force Contract				
Academic Status: Associate Professor (Mathematics) (RBC# 2510)				
Research Scientist (Faculty)				
70. James W. Daniel	6/1 - 8/31	100	9	17,200
Source of Funds: U.S. Navy Contract				
Academic Status: Associate Professor (Mathematics) and (Computer Sciences) (RBC# 2514)				
<u>Zoology</u>				
Appointment				
Project Director (Faculty)				
71. Yuichiro Hiraizumi	6/1 - 8/31	100	9	20,500
Source of Funds: USPHS Contract				
Academic Status: Professor (Zoology) (RBC# 2554)				

<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)				
72. C. Wendell Horton, Jr.	3/26 - 8/31	100	9	\$ 14,200
Source of Funds: Edison Electric Grant				
Academic Status: Physics				
Associate Professor	9/1 - 3/25	100	9	14,200
	3/26 - 5/31	LWOP		
(RBC# 2507, 2317)				
Research Engineer				
73. David F. Browder	3/1 - 6/30	100	12	30,000
Source of Funds: Atomic Energy Commission Contract (RBC# 2544)				
Reappointment				
Research Scientist				
74. David W. Ross	4/1 - 4/30	100	12	19,860
Source of Funds: Edison Electric Grant				
Previous appointments were at the same rate. (RBC# 2548)				
Research Scientist				
75. Henry V. Wong	4/1 - 4/30	100	12	19,860
Source of Funds: Edison Electric Grant				
Previous appointments were at the same rate. (RBC# 2549)				
Research Program Manager				
76. James B. Greene	4/1 - 6/30	100	12	19,224
Source of Funds: Atomic Energy Commission Contract				
Previous appointments were at the same rate. (RBC# 2545)				

<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 (Continued)</u>				
Reappointment and Change of Status Research Program Manager				
77. Alan B. Macmahon				
Reappointment: Atomic Energy Commission Contract	4/1 - 4/30	37.5	12	\$ 18,900
Change of Status: NSF Grant Funds				
To:	1/1 - 3/31	50	12	18,900
	4/1 - 4/30	62.5		
	5/1 - 8/31	50		
From: (RBC# 2546, 2547)	1/1 - 8/31	50	12	18,900
<u>Research and Development Center for Teacher Education</u>				
Appointment				
Social Science Research Associate (Faculty)				
78. Julienne K. Pendleton	3/1 - 8/31	50	9	9,500
Source of Funds: Office of Education Contract				
Concurrent Employment: Mathematics Instructor (RBC# 2553)	1/16 - 5/31	50	9	9,500
Reappointment				
Co-Director (Faculty)				
79. Robert F. Peck	3/1 - 5/31	50	9	25,000
Source of Funds: Office of Education Contract				
Previous appointments were at the same rate.				
Concurrent Employment: Educational Psychology Professor (RBC# 2505)	9/1 - 5/31	50	9	25,000
Research Scientist				
80. Gary D. Borich	3/1 - 8/31	100	9	13,000
Source of Funds: Office of Education Contract				
Previous appointment was at the same rate.				
Academic Status: Assistant Professor (Educational Psychology) (RBC# 2515)				

<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>Research and Development Center for Teacher Education (Continued)</u>				
Reappointment				
Co-Director (Faculty)				
81. Oliver H. Bown	3/1 - 5/31	33	9	\$ 21,750
Source of Funds: Office of Education Contract				
Previous appointment was at the same rate.				
Concurrent Employment: Educational Psychology Professor (RBC# 2555)				
	9/1 - 5/31	67	9	21,750
Research Scientist (Faculty)				
82. Jere E. Brophy	3/1 - 5/31	50	9	14,000
Source of Funds: Office of Education Contract				
Previous appointment was at the same rate.				
Concurrent Employment: Educational Psychology Associate Professor (RBC# 2503)				
	9/1 - 5/31	50	9	14,000
Coordinator (Faculty)				
83. Frances F. Fuller	3/1 - 5/31	17	9	17,500
Source of Funds: Office of Education Contract				
Previous appointment was at the same rate.				
Concurrent Employment: Educational Psychology Professor (RBC# 2509)				
	9/1 - 5/31	83	9	17,500
Research Scientist (Faculty)				
84. Shirley L. Menaker	3/1 - 5/31	50	9	13,300
Source of Funds: Office of Education Contract				
Previous appointment was at the same rate.				
Concurrent Employment: Educational Psychology Associate Professor (RBC# 2504)				
	9/1 - 5/31	50	9	13,300

<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>Research and Development Center for Teacher Education (Continued)</u>				
Reappointment				
Coordinator (Faculty)				
85. Donald J. Veldman	3/1 - 5/31	33	9	\$ 18,000
Source of Funds: Office of Education Contract				
Previous appointment was at the same rate.				
Concurrent Employment: Educational Psychology				
Professor (RBC# 2506)	9/1 - 5/31	67	9	18,000
Director, Program Planning and Evaluation				
86. Richard C. Wallace, Jr.	3/1 - 8/31	80	12	28,500
Source of Funds: Office of Education Contract				
Concurrent Employment: Research and Development Center for Teacher Education - HUD Subcontract Funds				
Director, Program Planning and Evaluation (RBC# 2460)	12/1 - 6/30	20	12	28,500
Assistant Director for Communications				
87. Rogers J. Seymour	3/1 - 8/31	100	12	16,500
Source of Funds: Office of Education Contract				
Previous appointments were at the same rate. (RBC# 2462)				
Assistant Director				
88. Hilton R. Pankratz	3/1 - 8/31	100	12	18,000
Source of Funds: Office of Education Contract				
Previous appointments were at the same rate. (RBC# 2461)				
Coordinator				
89. Gene H. Hall	3/1 - 8/31	100	12	18,100
Source of Funds: Office of Education Contract				
Previous appointments were at the same rate. (RBC# 2508)				

<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>

AUXILIARY ENTERPRISES

Senior Cabinet and Student Councils

Transfer of Funds

90. Amount of Transfer - \$ 650

To: Senior Cabinet - Operating Expenses (\$ 600)  
 Natural Sciences Council (\$ 50)

From: Senior Cabinet - Allocation for Budget Adjustments

Funds were used for support of the Natural Sciences Council and for other projects sponsored by the Senior Cabinet and Student Councils.  
 (RBC# 2539, 2540)

Student Government Offices

Appointment

Administrative Assistant

91. Jeffrey W. Ryser  
 (RBC# 2454)

2/1 - 3/31

PT

Stipend  
 \$ 300

Student Health Center

Resignation

Physician, Specialist (Psychiatry),  
 Chief of Mental Health

92. Paul C. Higgs

9/1 - 8/31

100

12

\$ 12,600

Date of Resignation  
 (RBC# 2528)

3/31/73

CURRENT RESTRICTED

Administrative Charges to Trust Funds

Transfer of Funds

93. Amount of Transfer - \$ 50,000

To: Official Occasions Including Travel:

<u>Account No.</u>	<u>Amount</u>
30-0619-1240	\$30,000
30-0619-1250	20,000

From: Administrative Charges to Trust Funds  
 (D-123, D-124)

Hogg Foundation for Mental Health

Retirement

Hogg Professor and Executive Associate

94. Robert L. Sutherland

9/1 - 5/31

100

12

36,000

Date of Retirement  
 (RBC# 2466)

5/31/73

OTHER FISCAL ITEMSTransfer Of Legislative Appropriations For Fiscal Year Ending August 31, 1973.

To provide more effective utilization of balances remaining in General Revenue Fund appropriations for The University of Texas at Austin, it is recommended that the Board of Regents approve the following:

Pursuant to the provisions of Article IV, Section 20, Senate Bill No. 1, 62nd Legislature, Third Called Session, 1972, it is hereby resolved that the State Comptroller be requested to make transfers between the Legislative Appropriations from the General Revenue Fund for The University of Texas at Austin, fiscal year 1972-73, up to the amounts indicated as follows:

From:	3-14484	General Administration	\$ 300,000.00
	3-14487	Departmental Operating Expenses	850,000.00
To:	3-14485	General Institutional Expense	300,000.00
	3-14488	Instructional Administration	600,000.00
	3-14492	General Services	100,000.00
	3-14493	Campus Security	150,000.00

The above authorization will enable The University of Texas at Austin to obtain maximum utilization of current year General Revenue Appropriations.

*certified  
4/2/73  
H.*

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.	James M. Knox Computer Sciences and Computation Center	Computer Programmer II	Computer Programmer III	
	Salary Rate	\$ 11,664	\$ 14,100	3/1/73
	Sources of Funds: Computer Sciences Classified Salaries (60%) and Computation Center Revolving Fund (40%) (RBC# 2561, 2558)			
2.	Joseph F. McWherter Center for Nuclear Studies	Laboratory Research Assistant II	Research Scientist Assistant I	
	Salary Rate	\$ 4,488	\$ 7,584	1/1/73
	Source of Funds: Atomic Energy Commission Contract (RBC# 2446)			
3.	William C. Nowlin, Jr. Applied Research Laboratories	Research Engineer Assistant I	Research Engineer Associate I	
	Salary Rate	\$ 6,588	\$ 10,704	3/1/73
	Source of Funds: Government Contract - Payroll Clearing Account (RBC# 2438)			
4.	Glenn E. Roark Student Health Center	Physician, Specialist (Psychiatry)	Physician, Specialist (Psychiatry), Chief Mental Health Section	
	Salary Rate (RBC# 2529)	\$ 24,600	\$ 27,000	4/1/73
5.	Richard J. Threlkeld Computation Center	Technical Staff Assistant III	Computer Programmer Assistant II	
	Salary Rate	\$ 5,892	\$ 7,944	3/1/73
	Source of Funds: Computation Center Revolving Fund (RBC# 2564)			

<u>Item No.</u>	<u>Explanation</u>	<u>Present Status</u>	<u>Proposed Status</u>	<u>Effective Dates</u>
6.	Lawrence C. Wolfe Computation Center	Computer Programmer II	Computer Programmer III	
	Salary Rate	\$ 11,664	\$ 14,100	3/1/73
	Source of Funds: Computation Center Revolving Fund (RBC# 2563)			
7.	Charles P. Zeller Computation Center	Computer Programmer II	Computer Programmer III	
	Salary Rate	\$ 11,664	\$ 14,100	3/1/73
	Source of Funds: Computation Center Revolving Fund (RBC# 2562)			



## THE UNIVERSITY OF TEXAS AT DALLAS

OFFICE OF THE PRESIDENT

May 2, 1973

Dr. Charles A. LeMaistre  
Chancellor  
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 June 1, 1973. The submitted docket contains twelve pages.

Sincerely,

A handwritten signature in cursive script, reading 'Bryce Jordan', written in black ink.

Bryce Jordan  
President

BJ:dm  
Attachment

## THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)

BOARD OF REGENTS MEETING - JUNE 1, 1973

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: NASA/Goddard Space Flight Center  
Contract No.: NAS5-9075, Modification No. 19 (UTD E1428)  
New Funds: None  
Date: December 31, 1964 - June 30, 1972  
Description: Measurement of the Degree of Anisotropy of the Cosmic Radiation Using the IMP Space Vehicle  
County of Expenditure: Dallas/Collin
2.  
Agency: NASA/Goddard Space Flight Center  
Contract No.: NAS5-11407, Modification No. 7 (UTD E1677)  
New Funds: \$10,000  
Date: April 6, 1971 - January, 1976  
Description: Atmosphere Explorer Planar Ion Trap Experiment  
County of Expenditure: Dallas/Collin
3.  
Agency: NASA/Headquarters  
Contract No.: NSR 44-004-041, Modification No. 11 (UTD E1463-05)  
New Funds: None  
Date: January 1, 1966 - June 30, 1971  
Description: Rocket Investigation of Auroral Zone Disturbances  
County of Expenditure: Dallas/Collin
4.  
Agency: NASA/Headquarters  
Grant No.: NGR 44-004-120, Supplement No. 2 (UTD E1457-03)  
New Funds: \$200,000  
Date: February 1, 1971 - January 31, 1974  
Description: Rocket Studies of the Upper F Region  
County of Expenditure: Dallas/Collin
5.  
Agency: NASA/Headquarters  
Grant No.: NGL 44-004-130, Supplement No. 1 (UTD E1306-01)  
New Funds: \$200,000  
Date: April 1, 1973 - March 31, 1976  
Description: Research in Space Science and Technology  
County of Expenditure: Dallas/Collin
6.  
Agency: NASA/Lyndon B. Johnson Space Center  
Contract No.: NAS 9-10410, Modification No. 26C (UTD E1660)  
New Funds: None  
Date: October 27, 1969 - June 30, 1973  
Description: Mass Spectrometers on Apollo's 15 and 16  
County of Expenditure: Dallas/Collin

## THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL) (continued)

7.  
 Agency: NASA/Lyndon B. Johnson Space Center  
 Contract No.: NAS 9-10410, Modification No. 24S (UTD E1660)  
 New Funds: \$19,280  
 Date: October 27, 1969 - April 30, 1973  
 Description: Mass Spectrometers on Apollo's 15 and 16  
 County of Expenditure: Dallas/Collin
8.  
 Agency: NASA/Lyndon B. Johnson Space Center  
 Contract No.: NAS 9-5964, Modification No. 19C (UTD E1473)  
 New Funds: None  
 Date: May 14, 1966 - July 31, 1973  
 Description: Cold Cathode Gauge for Apollo Lunar Surface Experiment  
 County of Expenditure: Dallas/Collin
9.  
 Agency: NASA/Lyndon B. Johnson Space Center  
 Contract No.: NAS 9-12074, Modification No. 4C (UTD E1691-01)  
 New Funds: None  
 Date: June 1, 1971 - January 31, 1974  
 Description: Scientific Support of the Lunar Atmospheric Mass Spectrometer  
 County of Expenditure: Dallas/Collin
10.  
 Agency: NASA/Lyndon B. Johnson Space Center  
 Contract No.: NAS 9-10410, Modification 25C (UTD E1660)  
 New Funds: None  
 Date: October 27, 1969 - April 30, 1973  
 Description: Mass Spectrometers on Apollo's 15 and 16  
 County of Expenditure: Dallas/Collin
11.  
 Agency: NASA/Lyndon B. Johnson Space Center  
 Contract No.: NAS 9-12074, Modification No. 3S (UTD E1691-01)  
 New Funds: \$49,238  
 Date: June 1, 1971 - January 31, 1974  
 Description: Scientific Support of the Lunar Atmospheric Mass Spectrometer  
 County of Expenditure: Dallas/Collin
12.  
 Agency: NASA/Lyndon B. Johnson Space Center  
 Contract No.: NAS 9-12999, Modification No. 2C (UTD E1308-01)  
 New Funds: None  
 Date: May 15, 1972 - October 31, 1972  
 Description: Support for a Preliminary Design Review (PDR) for a Skylab External  
 Atmosphere Gas Analyzer Instrument (SEAGAI)  
 County of Expenditure: Dallas/Collin
13.  
 Agency: U.S. Air Force Office of Scientific Research  
 Grant No.: AFOSR-73-2505 (UTD E1328-01)  
 New Funds: \$29,918  
 Date: April 1, 1973 - March 31, 1974  
 Description: Optical Molecular Spectroscopy  
 County of Expenditure: Dallas/Collin

## THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL) (continued)

14.  
 Agency: National Science Foundation  
 Grant No.: GA-37957 (UTD E1329-01)  
 New Funds: \$2,400  
 Date: April 1, 1973 - September 30, 1974  
 Description: Doctoral Dissertation Research on Infrasonic Waves from Severe Weather  
 County of Expenditure: Dallas/Collin
15.  
 Agency: National Science Foundation  
 Grant No.: GA-33262X2 (UTD E1668-03)  
 New Funds: \$50,600  
 Date: July 15, 1972 - December 31, 1974  
 Description: Tropical, Mid and High Latitude Studies of Selected Airglow Emissions  
 County of Expenditure: Dallas/Collin
16.  
 Agency: Office of Naval Research  
 Contract No.: N00014-67-A-0310-0005, Modification No. 12 (UTD E1421-07)  
 New Funds: None  
 Date: February 24, 1964 - March 14, 1974  
 Description: Continuation of Marine Geophysical Research in the Caribbean Sea and  
 the Gulf of Mexico  
 County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS AT DALLAS  
AMENDMENTS TO THE 1972/73 OPERATING BUDGET

BOARD OF REGENTS MEETING - JUNE 1, 1973

GENERAL ADMINISTRATION

Office of the Director of Admissions & Registration

1. Transfer of Funds

Amount of Transfer - \$7,000

From:	Unallocated Faculty Salaries	\$7,000
To:	Admissions & Registration Classified Salaries	\$5,605
	Admissions & Registration Maintenance & Operations	\$1,395

To provide for the establishment of a new classified position of Assistant Director of Admissions and for associated operating costs. This position is being established to develop procedures for the concurrent admission of students at UTD and Dallas County Community College since many of the juniors registering at UTD in September of 1975 will register at Dallas County Community College this Fall (D70).

Budget Office

2. Transfer of Funds

Amount of Transfer - \$ 500

From:	Budget Office Computer Services	\$ 500
To:	Budget Office Maintenance & Operations	\$ 500

To provide for increased costs of telephone service and reproduction (D68).

Administrative Data Processing

3. Transfer of Funds

Amount of Transfer - \$2,000

From:	Administrative Data Processing Computer Services	\$2,000
To:	Administrative Data Processing Maintenance & Operation	2,000

To provide for increased costs due to (1) increased number of developments and applications, (2) increased use of computer card and paper stock, (3) one-time cost in training for new computer, and (4) increased communications cost (D69).

## THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)GENERAL ADMINISTRATION (continued)Personnel

## 4. Transfer of Funds

Amount of Transfer - \$ 500

From: Unallocated Maintenance &amp; Operations \$ 500

To: Affirmative Action Program Maintenance &amp; Operation \$ 500

To provide for expenses to be incurred in developing the Affirmative Action plan (D74).

RESIDENT INSTRUCTIONUndergraduate Planning

## 5. Transfer of Funds

Amount of Transfer - \$23,000

From: Unallocated Maintenance &amp; Operation \$20,345

Unallocated Classified Salaries 2,455

Unallocated Travel 200

To: Undergraduate Planning Maintenance &amp; Operation \$20,345

Undergraduate Planning Classified Salaries 2,455

Undergraduate Planning Travel 200

Establish an account to provide for the development of the undergraduate plan. This development must be largely completed by the Fall of 1973 so that students entering area junior colleges at that time who plan to enter UTD in the Fall of 1975 may be concurrently admitted to the junior college and UTD (D64).

Graduate Program in Chemistry

## 6. Transfer of Funds

Amount of Transfer - \$ 1,800

From: Graduate Program in Chemistry Travel \$1,800

To: Graduate Program in Chemistry Maintenance &amp; Operation \$1,800

To provide for payment of consultant fees which were budgeted as Travel rather than Maintenance &amp; Operation (D61).

## THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)ORGANIZED RESEARCHInstitute for Physical Sciences

## 7. Transfer of Funds

Amount of Transfer - \$4,616

From:	Institute for Physical Science Classified Salaries	\$4,616
To:	Institute for Physical Science Administrative and Professional Salaries	\$2,438
	Institute for Physical Science Maintenance & Operation	2,178

To provide funds for the establishment of a Research Associate position and additional supplies (D72 and D73).

Institute for Geological Sciences

## 8. Transfer of Funds

Amount of Transfer - \$1,523

From:	Institute for Geological Science Travel	\$ 600
	Institute for Geological Science Maintenance & Operation	\$ 923
To:	Institute for Geological Science Classified Salaries	\$1,523

To provide funds for the establishment of a new classified position Research Engineer/Scientist Associate III (D65).

## 9. Transfer of Funds

Amount of Transfer - \$ 626

From:	Institute for Geological Science Classified Salaries	\$ 626
To:	Institute for Geological Science Capital Outlay	\$ 626

To provide funds for the exchange of a microscope previously procured, which proved unsatisfactory, for a microscope which will perform as originally intended (D71).

10. Appoint David J. Bennett, Research Associate, to the Institute for Geological Science 100% time for the period 3/10/73 thru 8/31/73 at an annual rate of \$9,600. Funds for this appointment available from Graduate Program in Geological Science Faculty Salaries (D63).

## THE UNIVERSITY OF TEXAS AT DALLAS

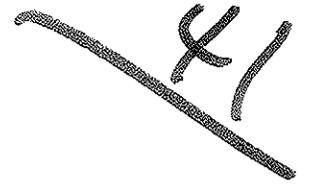
AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)UNIVERSITY LIBRARY

## 11. Transfer of Funds

Amount of Transfer - \$4,000

From:	Library Wages	\$4,000
To:	Library Maintenance & Operation	\$4,000

To provide funds for payment of services by Work Study Program students from Dallas County Community College. These charges are categorized as Maintenance & Operation rather than Wages since these students are not UTD employees (D66).



## THE UNIVERSITY OF TEXAS AT DALLAS

SUMMER BUDGET FOR 1972/73

BOARD OF REGENTS MEETING - JUNE 1, 1973

1973 SUMMER SESSION

The following Summer Session budget is allocated from funds available as shown below. Salary calculations are pro rata based on the nine-month academic rate. No salary rate increases are permitted in the Summer Session budget.

Appropriation for 1973 Summer Session (See Budget adopted by the Board of Regents, Page 52)	\$ 96,000
Transfer from Unallocated Faculty Salaries to provide for increased summer program in Management & Administrative Sciences (RBC No. D86)	<u>17,222</u>
Subtotal	\$113,222

Allocations for 1973 Summer Session  
Resident Instruction - Faculty Salaries

Graduate Program in Biology	\$32,565	
Graduate Program in Chemistry	2,100	
Graduate Program in Geological Sc.	19,962	
Graduate Program in Math Sciences	15,861	
Graduate Program in Management Sc.	25,234	
Graduate Program in Physics	<u>17,500</u>	
		<u>\$113,222</u>

Unallocated Summer Session Balance	<u>\$ -0-</u>
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## THE UNIVERSITY OF TEXAS AT DALLAS

SUMMER BUDGET FOR 1972/73 (continued)Graduate Program in Biology

<u>Item No.</u>	<u>Title Name</u>	<u>Tenure</u>	<u>Academic Rate (9-Month)</u>	<u>Pct.</u>	<u>Effective Dates</u>		<u>Amount</u>
					<u>From</u>	<u>Thru</u>	
<u>Professor</u>							
1.	Royston C. Clowes	T	\$27,000	50%	6-1-73	8-31-73	\$ 4,500
2.	Claud S. Rupert	T	25,500	23%	6-1-73	8-31-73	1,955
3.	Walter Harm	T	23,700	57%	6-1-73	8-31-73	4,503
4.	John Jagger	T	21,600	17%	6-1-73	8-31-73	1,224
5.	Donald J. McCorquodale	T	20,700	9%	6-1-73	8-31-73	621
6.	Hans Bremer	T	20,400	40%	6-1-73	8-31-73	2,720
7.	Daniel L. Harris	T	19,800	60%	6-1-73	8-31-73	3,960
<u>Associate Professor</u>							
8.	Harold Werbin	T	17,100	37%	6-1-73	8-31-73	2,109
9.	Herbert Gutz	T	15,900	29%	6-1-73	8-31-73	1,537
10.	Edmund W. Guttus	T	15,000	29%	6-1-73	8-31-73	1,450
11.	Michael H. Patrick	T	14,100	16%	6-1-73	8-31-73	752
<u>Assistant Professor</u>							
12.	Donald M. Gray		13,200	30%	6-1-73	8-31-73	1,320
13.	Philip Witonsky		12,900	46%	6-1-73	8-31-73	1,978
14.	Richard G. Cutler		12,300	51%	6-1-73	8-31-73	2,091
15.	Jost Kemper		12,300	45%	6-1-73	8-31-73	<u>1,845</u>
TOTAL GRADUATE PROGRAM IN BIOLOGY -----							\$32,565

Graduate Program in Chemistry

<u>Item No.</u>	<u>Title Name</u>	<u>Tenure</u>	<u>Academic Rate (9-Month)</u>	<u>Pct.</u>	<u>Effective Dates</u>		<u>Amount</u>
					<u>From</u>	<u>Thru</u>	
<u>Assistant Professor</u>							
16.	Allan D. Sherry		\$ 9,000	70%	6-1-73	8-31-73	<u>\$ 2,100</u>
TOTAL GRADUATE PROGRAM IN CHEMISTRY -----							\$ 2,100

## THE UNIVERSITY OF TEXAS AT DALLAS

SUMMER BUDGET FOR 1972/73 (continued)Graduate Program in Geological Sciences

<u>Item No.</u>	<u>Title Name</u>	<u>Tenure</u>	<u>Academic Rate (9-Month)</u>	<u>Pct.</u>	<u>Effective Dates</u>		<u>Amount</u>
					<u>From</u>	<u>Thru</u>	
<u>Professor</u>							
17.	Charles E. Helsley	T	\$19,800	75%	6-1-73	8-31-73	\$ 4,950
18.	Mark Landisman	T	19,800	50%	6-1-73	8-31-73	3,300
<u>Associate Professor</u>							
19.	Martin Halpern	T	15,300	25%	6-1-73	8-31-73	1,275
20.	Emile A. Pessagno, Jr.	T	14,700	67%	6-1-73	8-31-73	3,283
21.	Dean C. Presnall	T	13,200	16%	6-1-73	8-31-73	704
22.	James B. Urban	T	13,200	100%	6-1-73	8-31-73	4,400
<u>Assistant Professor</u>							
23.	Richard M. Mitterer		12,300	50%	6-1-73	8-31-73	<u>2,050</u>
TOTAL GRADUATE PROGRAM IN GEOLOGICAL SCIENCES -----							\$19,962

Graduate Program in Mathematical Sciences

<u>Item No.</u>	<u>Title Name</u>	<u>Tenure</u>	<u>Academic Rate (9-Month)</u>	<u>Pct.</u>	<u>Effective Dates</u>		<u>Amount</u>
					<u>From</u>	<u>Thru</u>	
<u>Professor</u>							
24.	Istvan Ozsvath	T	\$21,900	100%	6-1-73	8-31-73	\$ 7,300
<u>Lecturers</u>							
25.	Raj Chhikara		9,600	100%	6-1-73	8-31-73	3,200
26.	Dal C. Gerneth		8,000	67%	6-1-73	8-31-73	1,787
27.	Charles M. Oalline		8,000	67%	6-1-73	8-31-73	1,787
28.	Nancy Lutz		8,000	67%	7-16-73	8-31-73	903
29.	_____		8,000	67%	6-1-73	7-15-73	<u>884</u>
TOTAL GRADUATE PROGRAM IN MATHEMATICAL SCIENCES -----							\$15,861

## THE UNIVERSITY OF TEXAS AT DALLAS

SUMMER BUDGET FOR 1972/73 (continued)Graduate Program in Management & Administrative Sciences

<u>Item No.</u>	<u>Title Name</u>	<u>Tenure</u>	<u>Academic Rate (9-Month)</u>	<u>Pct.</u>	<u>Effective Dates</u>		<u>Amount</u>
					<u>From</u>	<u>Thru</u>	
<u>Professor</u>							
30.	Raymond P. Lutz	T	\$20,000	100%	6-1-73	8-31-73	\$ 6,667
31.	Howard F. Van Zandt		20,000	50%	6-1-73	8-31-73	3,333
<u>Visiting Lecturer</u>							
32.	Andrew B. Seidel		7,200	100%	6-1-73	8-31-73	2,400
33.	_____		14,000	100%	6-1-73	8-31-73	4,667
34.	_____		17,000	100%	6-1-73	8-31-73	5,667
35.	_____		15,000	50%	6-1-73	8-31-73	<u>2,500</u>
TOTAL GRADUATE PROGRAM IN MANAGEMENT & ADMINISTRATIVE SCIENCES							\$25,234

Graduate Program in Physics

<u>Item No.</u>	<u>Title Name</u>	<u>Tenure</u>	<u>Academic Rate (9-Month)</u>	<u>Pct.</u>	<u>Effective Dates</u>		<u>Amount</u>
					<u>From</u>	<u>Thru</u>	
<u>Associate Professor</u>							
36.	Carl B. Collins, Jr.	T	\$17,100	50%	6-1-73	8-31-73	\$ 2,850
37.	James E. Midgley	T	15,900	100%	6-1-73	8-31-73	5,300
38.	Donald Rapp	T	15,900	50%	6-1-73	8-31-73	2,650
<u>Assistant Professor</u>							
39.	Roy C. Chaney		11,100	100%	6-1-73	8-31-73	3,700
40.	A. J. Cunningham		9,000	100%	6-1-73	8-31-73	<u>3,000</u>
TOTAL GRADUATE PROGRAM IN PHYSICS							\$17,500

THE UNIVERSITY OF TEXAS AT EL PASO  
El Paso, Texas

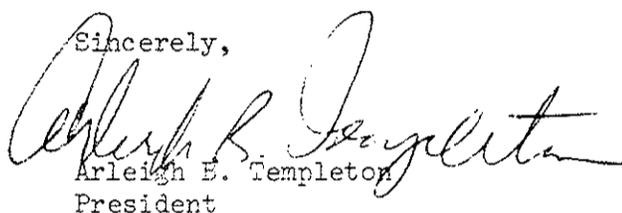
April 30, 1973

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 June 1, 1973. The docket consists of twenty-one (21) pages.

Sincerely,

A handwritten signature in cursive script, appearing to read "Arleigh E. Templeton".

Arleigh E. Templeton  
President

THE UNIVERSITY OF TEXAS AT EL PASO  
Federal Contracts and Grants  
June 1, 1973

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. Contract No. V349V-2273, dated February 1, 1973, whereby the Adjudication Officer, Veterans Administration, Regional Office, 1400 North Valley Mills Drive, Waco, Texas 76710, authorizes the University to furnish tutoring to veteran students pursuing a course of instruction under Chapter 31, Title 38, U. S. Code when authorized by the Veterans Administration in writing in each individual case at a rate not to exceed \$3.75 per hour during the period beginning January 31, 1973 and ending January 30, 1974. The majority of the expenditures from this award will be made in El Paso County.
2. Order No. DABE32-73-D-3159, dated March 2, 1973, to Basic Agreement No. DABD07-71-A-0002, whereby the Contracting Officer, Procurement Division, DIO, Fort Bliss, Texas 79906, requests that one student be enrolled on campus during the Spring Semester 1973 for which the government undertakes a total obligation of \$26.25. The majority of the expenditures from this award will be made in El Paso County.
3. Order No. DABE32-73-D-3160, dated March 2, 1973, to Basic Agreement No. DABD07-71-A-0002, whereby the Contracting Officer, Procurement Division, DIO, Fort Bliss, Texas 79906, requests that 40 students be enrolled for 244 credit hours on campus during the Spring semester 1973 for which the government undertakes a total obligation of \$1,547.50. The majority of the expenditures from this award will be made in El Paso County.
4. Contract IA-16354-24, dated November 13, 1972, whereby the Contracting Officer, IOA/CP, Contract Procurement Division, US Information Agency, Washington, D. C. 20547, authorizes the University to provide all personnel, services, equipment, and facilities necessary for statistical analyses of 2,300 questionnaires for the Guatemala and Columbia project. To accomplish this, the Agency makes an award of \$8,878.00 during the period November 13, 1972 through May 31, 1973. The majority of the expenditures from this award will be made in El Paso County.
5. Contract No. CX 700030165, dated March 13, 1973, whereby the Regional Chief, Division of Property Management and General Services and Contracting Officer, Southwest Region, National Park Service, P. O. Box 728, Santa Fe, New Mexico 87501, authorizes The University of Texas at El Paso to supply the necessary personnel and facilities to undertake a study to evaluate the cultural and historical resources of the U. S. Army Corps of Engineers Las Cruces Local Protection Project, Las Cruces, New Mexico, during the period March 13, 1973 through May 30, 1973 for a total sum not to exceed \$4,967.00. The majority of the expenditures from this award will be made in El Paso County.
6. Revision No. 3, dated March 23, 1973, to Grant No. OEG-0-71-2634-(453) whereby the Grants Officer, Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202 authorizes the revision of the authorized budget to reflect the new requirements. There is no change in grant dates or terms and conditions. The majority of the expenditures from this award will be made in El Paso County.
7. Letter Agreement dated March 5, 1973, whereby the Executive Director, The Robert A. Taft Institute of Government, 420 Lexington Avenue, New York, New York 10017, authorizes the conduct of a seminar on the basic principles of constitutional government in the United States, of the American two-party system, and the processes of government at all levels. The majority of the expenditures from this award will be made in El Paso County.
8. Contract No. 14-06-503-2057, dated March 26, 1973, whereby the Project Superintendent, U. S. Department of the Interior, Bureau of Reclamation, Rio Grande Project, 1221 Mills Building, P. O. Drawer P, El Paso, Texas 79952, agrees to furnish samples of Elephant Butte Reservoir water for analyses by the University during the period from July 1, 1973 through June 30, 1973. The actual cost for the biological and chemical analyses cannot exceed \$1,000.00. The majority of the expenditures from this award will be made in El Paso County.

Federal Contracts and Grants (Continued)

9. Modification No. P00002, dated March 13, 1973, to Contract No. F19628-71-C-0160, whereby the Contracting Officer, Electronics Systems Division (PPR), Air Force Systems Command, USAF, L. G. Hanscom Field, Bedford, Massachusetts 01730, decreases the estimated total amount of the contract by \$5,000.00 to \$25,000.00 and changes the completion date to reflect the final report to be distributed not later than June 30, 1973. This modification also changes responsibility for the contract from Dr. J. S. Lambert to Dean Ray Guard. The majority of the expenditures from this award will be made in El Paso County.

10. Contract No. NAS1-12289, dated April 17, 1973, whereby the Contracting Officer, U. S. National Aeronautics and Space Administration, Hampton, Virginia 23365, awards \$6,057.00 for development of two atmospheric temperature sensor packages containing the University of Texas' special 10 mil bead thermistor. Contract delivery date is specified as August 15, 1973. The majority of the expenditures from this award will be made in El Paso County.

11. Modification No. 2, dated March 1, 1973, to Grant No. 60868, whereby the Chief, Headquarters Program Operations Division, Office of Economic Opportunity, Washington, D. C., awards \$121,048.00 to the High School Equivalency Program to complete the funding action for the second six months of the grant. The entire funding is for the program year September 1, 1972 through August 31, 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  
June 1, 1973

EDUCATIONAL AND GENERALGENERAL ADMINISTRATION AND STUDENT SERVICESOffice of the Vice President for Academic Affairs1. Transfer of Funds:

From: Travel	\$500.00
To: Maintenance and Operation	500.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 278)	

2. Transfer of Funds:

From: Unallocated Salaries - Other	\$1,056.00
To: Wages	1,000.00
Maintenance and Operation	56.00
For: To provide funds effective April 1, 1973 for wages and telephone service for a clerk-typist to type the minutes and handle the correspondence for the Faculty Council and associated activities. (RBC 279)	

Office of the Vice President for Business Affairs3. Transfer of Funds:

From: Travel	\$500.00
To: Maintenance and Operation	500.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 247)	

Student Counseling Service

4. Change the status of Carlos Arreola from Psychometrist Intern (1/4 Time) to Psychometrist Intern (1/2 Time) effective February 19, 1973, at his full-time annual rate of \$7,100.00 with the necessary funds to come from Unallocated Salaries - Other. (RBC 253)

RESIDENT INSTRUCTIONCOLLEGE OF BUSINESS ADMINISTRATIONBusiness

5. Accept the resignation of Martha B. Garrison (non-tenure), Instructor (3/4 Time), effective January 26, 1973, and lapse to Unallocated Salaries - Faculty \$1,658.06 budgeted for this position. (RBC 249)

6. Appoint Charles E. Stenicka (tenure), Associate Professor, as Chairman of the Department of Business effective March 1, 1973. (RBC 252)

7. Appoint Samuel W. Scott (non-tenure) as Lecturer (1/4 Time) effective September 1, 1972 for the 1972-73 Long Session, at a full-time nine-months rate of \$11,775.00 with the necessary funds in the amount of \$2,944.00 to come from Unallocated Salaries - Faculty. He will also serve as Director (3/4 Time) of the Computation Center. (RBC 256)

Economics and Finance

8. Accept the resignation of John J. Hooker (tenure), Professor, effective April 15, 1973, and lapse to Unallocated Salaries - Faculty \$2,716.67 budgeted for this position. (RBC 257)

COLLEGE OF EDUCATIONCurriculum and Instruction

9. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$25.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

Health and Physical Education

10. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$500.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

RESIDENT INSTRUCTION (CONTINUED)COLLEGE OF ENGINEERINGCivil Engineering

11. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$750.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

Mechanical Engineering

12. Change the status of Leland T. Blank (non-tenure) from Assistant Professor (Full-time) to Assistant Professor (2/3 Time) effective February 1, 1973 for the remainder of the 1973 Spring Semester, at his full-time nine-months rate of \$13,000.00 and lapse to Unallocated Salaries - Faculty \$1,926.00 budgeted for this position. He will also serve as Research Engineer-Scientist (1/3 Time) in Contract DAAD07-73-C-0127 Atmospheric Modeling. (RBC 263)

Metallurgical Engineering

13. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$30.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

COLLEGE OF LIBERAL ARTSEnglish

14. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$2,800.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

History

15. Accept the resignation of Ralph H. Vigil (tenure), as Associate Professor, effective January 15, 1973, and lapse to Unallocated Salaries - Faculty \$6,900.00 budgeted for this position. (RBC 287)

Linguistics

16. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$1,875.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

Mass Communication - Journalism

17. Remove the name of John J. Middagh (tenure), as Professor and Department Chairman, from the budget. Mr. Middagh died February 18, 1973 and funds in the amount of \$5,110.33 budgeted for this position have been lapsed to Unallocated Salaries - Faculty. (RBC 258)

18. Appoint Francisco J. Lewels, Jr. (non-tenure), Assistant Professor, as Chairman of the Department of Mass Communication - Journalism effective March 1, 1973. (RBC 273)

Modern Languages

19. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$2,500.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

Political Science

20. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$700.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

Psychology

21. Lapse the unused funds appropriated for Instructors, Part-time in the amount of \$650.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

COLLEGE OF SCIENCEChemistry

22. Remove the name of Jesse A. Hancock (tenure), Professor (3/4 Time), from the budget effective February 7, 1973. Dr. Hancock died February 8, 1973 and funds in the amount of \$4,458.38 budgeted for this position have been lapsed to Unallocated Salaries - Faculty. (RBC 248)

23. Increase the nine-months rate of Leonard S. Levitt (tenure), Professor, effective March 1, 1973 from \$14,700.00 to \$15,800.00 with the necessary funds in the amount of \$366.66 to come from Unallocated Salaries - Faculty. (RBC 251)

RESIDENT INSTRUCTION (CONTINUED)COLLEGE OF SCIENCE (CONTINUED)Chemistry (Continued)

24. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$299.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

Geological Sciences

25. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$1,250.00 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

Mathematics

26. Lapse the unused funds appropriated for Teaching Assistants in the amount of \$861.12 to Unallocated Salaries - Faculty. All appointments for the 1973 Spring Semester have been made and the funds will not be used. (RBC 275)

1973 SUMMER SESSION

27. Approve the following proposed 1973 Summer Session budget in the amount of \$816,502 and lapse the difference between the appropriation in the 1972-73 budget and this proposed budget in the amount of \$147,079 to Unallocated Salaries - Faculty.

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THE UNIVERSITY OF TEXAS AT EL PASOEL PASO, TEXAS1973 SUMMER SESSION BUDGET

First Term: June 4 - July 11  
 Second Term: July 16 - August 23

RESIDENT INSTRUCTIONCOLLEGE OF BUSINESS ADMINISTRATION

Accounting .....	\$ 22,558
Business .....	48,516
Economics and Finance .....	<u>26,067</u>

Total College of Business Administration ..... \$ 97,141

COLLEGE OF EDUCATION

Curriculum and Instruction .....	\$ 73,974
Educational Psychology and Guidance .....	37,777
Educational Administration .....	26,016
Health and Physical Education .....	<u>37,967</u>

Total College of Education ..... \$175,734

COLLEGE OF ENGINEERING

Civil Engineering .....	\$ 19,575
Electrical Engineering .....	26,805
Mechanical Engineering .....	19,066
Metallurgical Engineering .....	<u>15,424</u>

Total College of Engineering ..... \$ 80,870

COLLEGE OF LIBERAL ARTS

Art .....	\$ 20,085
Drama and Speech .....	24,334
English .....	79,107
History .....	32,908
Linguistics .....	14,283
Mass Communication - Journalism .....	5,495
Mass Communication - Radio/Television .....	6,764
Modern Languages .....	40,041
Music .....	15,300
Philosophy .....	16,069
Political Science .....	37,432
Psychology .....	22,341
Sociology .....	<u>22,917</u>

Total College of Liberal Arts ..... \$337,076

COLLEGE OF SCIENCE

Biological Sciences .....	\$ 28,416
Chemistry .....	26,201
Geological Sciences .....	12,092
Mathematics .....	38,973
Physics .....	<u>19,999</u>

Total College of Science ..... \$125,681

TOTAL 1973 SUMMER SESSION BUDGET ..... \$816,502

Summary of 1973 Summer Session Budget  
(Elements of Institutional Costs)

Summer Session Appropriation, 1972-73 Budget (Page 87) .....	\$992,506
Less: Transfer for use in Long Session .....	<u>28,925</u>
Funds Available for Summer Session .....	<u>\$963,581</u>
<u>RESIDENT INSTRUCTION</u>	
Faculty Salaries .....	\$816,502
Unallocated Salaries - Faculty .....	<u>147,079</u>
Total .....	<u>\$963,581</u>

THE UNIVERSITY OF TEXAS AT EL PASOEL PASO, TEXAS1973 SUMMER SESSION BUDGET

## Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>RESIDENT INSTRUCTION</u>					
<u>COLLEGE OF BUSINESS ADMINISTRATION</u>					
<u>ACCOUNTING</u>					
Professor					
		Fayez S. Nourallah	T \$ 2,833	\$ --	\$ 2,833
		John G. Pate	T --	2,917	2,917
Associate Professor					
		Gerald R. Bovard	T 1,117(1/2)	2,233	3,350
		F. Brigg Flores	T 2,717	--	2,717
		Wilfrid F. Rylander	T 2,833	2,833	5,666
		Edward J. Sanders	T 1,042(1/2)	2,083	3,125
Assistant Professor					
		Florence B. Buckner	T 1,950	--	1,950
			<u>\$ 12,492</u>	<u>\$ 10,066</u>	<u>\$ 22,558</u>
<u>BUSINESS</u>					
Professor					
		Allen O. Baylor	T \$ --	\$ 2,583	\$ 2,583
		Albert A. Blum	T 1,250(1/3)	3,750	5,000
		Lola B. Dawkins	T 2,583	--	2,583
		Everett G. Dillman	T 2,767	--	2,767
		Edward Y. George	T 3,133	--	3,133
\$ 1,292	\$ 1,291	Wade J. Hartrick	T 1,292(1/2)	1,291(1/2)	2,583
		Assistant Dean, College of Liberal Arts (1/2 Time)			
<u>1,292</u>	<u>1,292</u>	Total Salary			
<u>\$ 2,584</u>	<u>\$ 2,583</u>	George Joyce	T --	3,250	3,250
		Sherwood H. Peres	T 2,983	--	2,983
\$ 1,333	\$ 1,333	Associate Professor Lawrence P. Blanchard	T 1,333(1/2)	1,333(1/2)	2,666
		Assistant Dean, College of Business Administration (1/2 Time)			
<u>1,334</u>	<u>1,333</u>	Total Salary			
<u>\$ 2,667</u>	<u>\$ 2,666</u>	John R. Foster	2,967	--	2,967
		Charles E. Stenicka	T 2,783	--	2,783
\$ 1,192	\$ 1,192	Assistant Professor Donald K. Freeland	T 1,717	1,717	3,434
		Grover V. Johnson	--	2,000	2,000
		Glenn L. Palmore	1,192(1/2)	1,192(1/2)	2,384
		Director, Bureau of Business and Economic Research (1/2 Time)			
<u>1,192</u>	<u>1,191</u>	Total Salary			
<u>\$ 2,384</u>	<u>\$ 2,383</u>	Gary E. Popp	2,250	--	2,250
		George C. Tompkins	T 1,817	--	1,817
		Hector M. Zavaleta	958(1/2)	958(1/2)	1,916
Instructor					
		Gertrude W. Dawson	--	1,417	1,417
			<u>\$ 29,025</u>	<u>\$ 19,491</u>	<u>\$ 48,516</u>
<u>ECONOMICS AND FINANCE</u>					
Professor					
		Paul E. Fenlon	T \$ 3,233	\$ 1,617(1/2)	\$ 4,850
		Paul D. Zook	T 3,000	3,000	6,000

## supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>ECONOMICS AND FINANCE (Continued)</u>					
Associate Professor					
			T \$ 2,133	\$ 1,067(1/2)	\$ 3,200
			T 1,283(1/2)	2,567	3,850
Assistant Professor					
			2,000	--	2,000
		T	1,033(1/2)	2,067	3,100
			--	1,067(1/2)	1,067
			--	2,000	2,000
			<u>\$ 12,682</u>	<u>\$ 13,385</u>	<u>\$ 26,067</u>
Total College of Business Administration					
			<u>\$ 54,199</u>	<u>\$ 42,942</u>	<u>\$ 97,141</u>
<u>COLLEGE OF EDUCATION</u>					
<u>CURRICULUM AND INSTRUCTION</u>					
Professor					
		T	\$ --	\$ 2,883	\$ 2,883
		T	2,800	2,800	5,600
		T	2,000	2,000	4,000
			(Visiting) 2,433	--	2,433
Associate Professor					
			2,150	--	2,150
		T	2,333	2,333	4,666
			2,167	2,167	4,334
		T	2,500	1,250(1/2)	3,750
		T	2,500	2,500	5,000
		T	2,133	2,133	4,266
Assistant Professor					
		T	1,800	1,800	3,600
			2,000	2,000	4,000
			875(1/2)	--	875
\$ 875	\$ --				
			875(1/2)	1,750	
<u>\$ 1,750</u>	<u>\$ 1,750</u>				
Assistant Professor, English					
Total Salary					
		T	1,383	1,383	2,766
			2,167	2,167	4,334
		T	1,700	--	1,700
		T	1,433	717(1/2)	2,150
\$ --	\$ 2,083		--	2,083	2,083
<u>2,083</u>	<u>--</u>				
<u>\$ 2,083</u>	<u>\$ 2,083</u>				
Instructor					
		T	1,450	725(1/2)	2,175
			1,333	1,333	2,666
		T	1,583	792(1/2)	2,375
Lecturer					
			1,417	--	1,417
			1,667	--	1,667
			(Visiting) 1,500	750(1/2)	2,250
Teaching Assistant					
			417(1/2)	417(1/2)	834
			<u>\$ 41,741</u>	<u>\$ 32,233</u>	<u>\$ 73,974</u>

## Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>EDUCATIONAL PSYCHOLOGY AND GUIDANCE</u>					
Professor					
		James F. Day	T \$ 2,550	\$ 2,550	\$ 5,100
		Ronald Levy	--	--	--
\$ --	\$ 1,800	Excellence Fund (Part-time)			
\$ --	\$ 1,800	Total Salary			
		Carl Walker	T 2,550	2,550	5,100
Associate Professor					
		Bonnie S. Brooks	2,250	2,250	4,500
		Everett E. Davis	T 1,883	1,883	3,766
		Jimmy R. Walker	T 2,333	2,333	4,666
Assistant Professor					
\$ 917	\$ 1,833	Ronald V. Kidd	917(1/2)	1,833	2,750
		Teacher Center Project			
917	--	(1/2 Time)			
\$ 1,834	\$ 1,833	Total Salary			
		Jack P. Landrum	T 1,667	1,667	3,334
\$ 422	\$ 422	Donald L. Paulson	422(1/4)	422(1/4)	844
		Director, Counseling			
844	844	Service (3/4 Time)			
\$ 1,266	\$ 1,266	Total Salary			
\$ 1,167	\$ 1,167	Maximino Plata (Part-time)	1,167	1,167	2,334
		Josephine Clardy Fox			
1,000	1,000	Fund (Part-time)			
\$ 2,167	\$ 2,167	Total Salary			
		Robert L. Slettedahl	1,950	1,950	3,900
Lecturer					
		Nadine H. Prestwood	--	1,483	1,483
			\$ 17,689	\$ 20,088	\$ 37,777
<u>EDUCATIONAL ADMINISTRATION</u>					
Professor					
		William G. Barber	T \$ 2,500	\$ 2,500	\$ 5,000
		C. C. Colvert (Visiting)			
		(Part-time)	--	1,600	1,600
		Oscar T. Jarvis	T 3,033	3,033	6,066
Associate Professor					
		Gary D. Brooks	T 3,075	3,075	6,150
			2,500	2,500	5,000
			2,200	--	2,200
			\$ 13,308	\$ 12,708	\$ 26,016
<u>HEALTH AND PHYSICAL EDUCATION</u>					
Professor					
		Donald H. Hardin	T \$ 2,517	\$ 2,517	\$ 5,034
		William H. Harris	T 2,517	2,517	5,034
		James G. Mason	T 2,800	2,800	5,600
Associate Professor					
		Benny W. Collins	T 2,433	2,433	4,866
Assistant Professor					
		Kathleen P. Craigo	T --	1,483	1,483
		Jerry A. Freischlag	2,000	2,000	4,000
		Florence L. Glardon	T 1,883	--	1,883
		Brian J. Kelly	T 2,250	2,250	4,500
		Mona H. Loper	T 1,767	--	1,767
		John R. Poteet	T 1,900	1,900	3,800
			\$ 20,067	\$ 17,900	\$ 37,967
Total College of Education			\$ 92,805	\$ 82,929	\$175,734

## Supplemental Data

<u>First</u> <u>Term</u>	<u>Second</u> <u>Term</u>		<u>First</u> <u>Term</u>	<u>Second</u> <u>Term</u>	<u>Total</u>
<u>COLLEGE OF ENGINEERING</u>					
<u>CIVIL ENGINEERING</u>					
Professor					
			T	\$ 1,125 (PT)	\$ 1,125 (PT) \$ 2,250
			T	3,433	3,433 6,866
			T	1,117 (1/2)	-- 1,117
			T	--	1,208 (1/2) 1,208
Associate Professor					
			T	--	1,625 (3/4) 1,625
			T	1,267 (1/2)	1,267 (1/2) 2,534
			T	--	2,233 2,233
			T	--	1,042 (1/2) 1,042
Teaching Assistant					
				350 (PT)	350 (PT) 700
				\$ 7,292	\$ 12,283 \$ 19,575
<u>ELECTRICAL ENGINEERING</u>					
Professor					
			T	\$ --	\$ 2,967 \$ 2,967
			T	3,333	3,333 6,666
			T	3,000	2,250 (3/4) 5,250
Associate Professor					
			T	2,000 (3/4)	-- 2,000
			T	1,863 (3/4)	-- 1,863
Assistant Professor					
			T	2,083	-- 2,083
				1,663 (3/4)	1,663 (3/4) 3,326
				1,850 (3/4)	-- 1,850
Teaching Assistant					
				400 (PT)	400 (PT) 800
				\$ 16,192	\$ 10,613 \$ 26,805
<u>MECHANICAL ENGINEERING</u>					
Professor					
			T	\$ 2,133	\$ -- \$ 2,133
			T	2,900	2,900 5,800
			T	--	2,550 2,550
Associate Professor					
			T	--	1,750 (3/4) 1,750
			T	2,700	-- 2,700
Assistant Professor					
				1,083 (1/2)	-- 1,083
				2,300	-- 2,300
Teaching Assistant					
				500 (PT)	250 (PT) 750
				\$ 11,616	\$ 7,450 \$ 19,066
<u>METALLURGICAL ENGINEERING</u>					
Professor					
			T	\$ 2,167	\$ -- \$ 2,167
			T	3,083	3,083 6,166
			T	2,075 (3/4)	-- 2,075
Associate Professor					
			T	2,533	-- 2,533

## Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>METALLURGICAL ENGINEERING</u>					
<u>(Continued)</u>					
Assistant Professor					
	James H. Ford		\$ 2,083	\$ --	\$ 2,083
Teaching Assistant					
			400(PT)	--	400
			\$ 12,341	\$ 3,083	\$ 15,424
Total College of Engineering			\$ 47,441	\$ 33,429	\$ 80,870
<u>COLLEGE OF LIBERAL ARTS</u>					
<u>ART</u>					
Professor					
	Clarke H. Garnsey	T	\$ 2,867	\$ 2,867	\$ 5,734
	Wiltz A. Harrison	T	2,550	--	2,550
	Robert J. Massey	T	2,550	--	2,550
Associate Professor					
	Allen E. DePagter	T	--	2,317	2,317
Assistant Professor					
	John C. Arnold	T	1,767	--	1,767
	Sally M. Bishop		--	1,750	1,750
	Ellen W. Coogler	T	1,667	--	1,667
	Loren G. Janzen		--	1,750	1,750
			\$ 11,401	\$ 8,684	\$ 20,085
<u>DRAMA AND SPEECH</u>					
Professor					
	Robert M. Leech	T	\$ --	\$ 3,750	\$ 3,750
	Harold N. Williams	T	2,900	2,900	5,800
	Gifford W. Wingate	T	--	2,667	2,667
Associate Professor					
	Joseph A. Perozzi		2,350	--	2,350
Assistant Professor					
	Charles L. Etheridge	T	900(1/2)	--	900
	Jean H. Miculka	T	1,667	--	1,667
	John C. Sattler		--	1,750	1,750
	James H. Tucker	T	1,817	--	1,817
Instructor					
	Penny M. Byrne		1,400	--	1,400
	Joe E. Smith		1,333	--	1,333
Teaching Assistant					
			450(PT)	450(PT)	900
			\$ 12,817	\$ 11,517	\$ 24,334
<u>ENGLISH</u>					
Professor					
	Robert M. Burlingame	T	\$ --	\$ 2,533	\$ 2,533
	Joseph L. Leach	T	2,933	2,933	5,866
	John O. West	T	2,750	2,750	5,500
Associate Professor					
	James M. Day	T	2,383	--	2,383
	Elisabeth Arbuckle (Visiting)		2,033	--	2,033
	Robert E. Richeson	T	2,233	2,233	4,466
	Tony J. Stafford	T	2,417	2,417	4,834
	Jon M. White	T	--	1,900	1,900

## Supplemental Data

First Term	Second Term		First Term	Second Term	Total
<u>ENGLISH (Continued)</u>					
Assistant Professor					
\$ 875	\$ 1,750	Robert T. Bledsoe	\$ 1,833	\$ 1,833	\$ 3,666
		Tommy J. Boley	875(1/2)	1,750	2,625
		Assistant Professor, Curriculum and Instruction (1/2 Time)			
<u>875</u>	<u>--</u>	Total Salary			
<u>\$ 1,750</u>	<u>\$ 1,750</u>	Mary L. Collingwood	T 1,800	--	1,800
		Francis A. Ehmann	T 1,833	1,833	3,666
		Francis L. Fugate	1,750	--	1,750
		Philip J. Gallagher	1,750	--	1,750
		Lawrence J. Johnson	--	1,750	1,750
		William R. Lacey	T 1,833	--	1,833
		James K. Mortensen	T --	1,917	1,917
		Joan P. Quarm	T 1,800	--	1,800
		Jose A. Villareal (Visiting)	--	1,833	1,833
		Pearl M. Waddell	T 1,900	--	1,900
		Dorothy J. White	T --	1,333	1,333
Instructor					
		James T. Bratcher	--	1,667	1,667
		Holly L. Cabarrus	1,250	--	1,250
		Richard D. Callaghan	1,500	--	1,500
		Donald F. Castro	1,500	--	1,500
		John A. Dick	--	1,650	1,650
		Billie W. Etheridge	1,567	1,567	3,134
		Stephen Justice	T 1,483	--	1,483
		John R. Marshall	1,667	--	1,667
		Maureen A. Potts	1,417	--	1,417
\$ --	\$ 708	Karen G. Ramirez	--	708(P.T)	708
		Instructor, Sociology (Part-time)			
708	--	Director, Chicano Studies Program (15/100 Time)			
<u>250</u>	<u>250</u>	Total Salary			
<u>\$ 958</u>	<u>\$ 958</u>	Hector M. Serrano	--	1,333	1,333
\$ 767	\$ 767	Charles F. Springstead	767(1/2)	767(1/2)	1,534
		Instructor, Linguistics (1/2 Time)			
<u>767</u>	<u>--</u>	Total Salary			
<u>\$ 1,534</u>	<u>\$ 767</u>				
			<u>1,563</u>	<u>1,563</u>	<u>3,126</u>
			<u>\$ 42,837</u>	<u>\$ 36,270</u>	<u>\$ 79,107</u>

HISTORY

Professor					
		Wayne E. Fuller	T \$ --	\$ 3,000	\$ 3,000
		Oliver H. Knight	T 2,817	2,817	5,634
		John H. McNeely	T 1,150(1/2)	1,150(1/2)	2,300
		Kenneth B. Shover	T 2,600	2,600	5,200
		Wilbert H. Timmons	T 2,933	2,933	5,866
Assistant Professor					
		John M. Broaddus	T 1,700	--	1,700
		Kenton J. Clymer	--	875(1/2)	875
		David A. Hackett	1,833	--	1,833
		Eugene E. Kuzirian	T 1,900	1,900	3,800
Teaching Assistants					
			<u>1,350</u>	<u>1,350</u>	<u>2,700</u>
			<u>\$ 16,283</u>	<u>\$ 16,625</u>	<u>\$ 32,908</u>

## Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>LINGUISTICS</u>					
Professor					
		Edward L. Blansitt	T \$ 2,467	\$ --	\$ 2,467
		Raymond E. Past	T 2,883	2,883	5,766
\$ --	\$ 1,400	John M. Sharp	T --	1,400(1/2)	1,400
		Professor, Modern Languages (1/2 Time)			
<u>--</u>	<u>1,400</u>	Total Salary			
\$ --	\$ 2,800				
Assistant Professor					
		Charles G. Elerick	1,750	--	1,750
\$ --	\$ 967	Diana S. Natalicio	--	967(1/2)	967
		Assistant Professor, Modern Languages (1/2 Time)			
<u>--</u>	<u>967</u>	Total Salary			
\$ --	\$ 1,934				
Instructor					
\$ 767	\$ --	Charles F. Springstead	767(1/2)	--	767
		Instructor, English (1/2 Time)			
<u>767</u>	<u>767</u>	Total Salary			
\$ 1,534	\$ 767				
Laboratory Instructor					
		Richard L. Hayden	<u>583(1/2)</u>	<u>583(1/2)</u>	<u>1,166</u>
			\$ 8,450	\$ 5,833	\$ 14,283
<u>MASS COMMUNICATION - JOURNALISM</u>					
Instructor					
		Thomas J. Fenton	\$ 1,550	\$ 1,033(2/3)	\$ 2,583
		Gayle B. Malloy	--	889(2/3)	889
		Luis Perez	<u>867(1/2)</u>	<u>1,156(2/3)</u>	<u>2,023</u>
			\$ 2,417	\$ 3,078	\$ 5,495
<u>MASS COMMUNICATION - RADIO/TELEVISION</u>					
Assistant Professor					
		John I. Siqueiros	\$ 2,417	\$ 2,417	\$ 4,834
Instructor					
		Dallas A. Brown	1,167	--	1,167
		John Chapman	<u>763(2/3)</u>	<u>--</u>	<u>763</u>
			\$ 4,347	\$ 2,417	\$ 6,764
<u>MODERN LANGUAGES</u>					
Professor					
		George W. Ayer	T \$ 3,050	\$ 3,050	\$ 6,100
		Edgar T. Ruff	T 2,567	--	2,567
\$ --	\$ 1,400	John M. Sharp	T --	1,400(1/2)	1,400
		Professor, Linguistics (1/2 Time)			
<u>--</u>	<u>1,400</u>	Total Salary			
\$ --	\$ 2,800				
Associate Professor					
		Ralph W. Ewton, Jr.	T --	2,367	2,367
		William M. Russell	T 2,583	--	2,583
Assistant Professor					
		Gloria C. Astiazaran	T 1,833	--	1,833
		Jack S. Bailey	T --	1,750	1,750
		Sandra S. Beyer	--	1,750	1,750
		Joan H. Bornscheuer	--	975(1/2)	975
		Fred M. Brewer	T 1,833	--	1,833
		Dean L. Castle	1,833	--	1,833

## Supplemental Data

First Term	Second Term		First Term	Second Term	Total
<u>MODERN LANGUAGES (Continued)</u>					
Assistant Professor (Continued)					
\$ --	\$ 967	Richard L. Landy	T \$ --	\$ 1,667	\$ 1,667
		Diana S. Natalicio	--	967(1/2)	967
--	967	Assistant Professor, Linguistics (1/2 Time)			
\$ --	\$ 1,934	Total Salary			
		Arturo Perez	1,833	--	1,833
		Fermin Rodriguez	T 1,833	--	1,833
		John L. Walker	--	1,833	1,833
Instructor					
		Julia F. Herrera	1,500	--	1,500
		Ilse H. Irwin	--	1,667	1,667
		Eugenia S. Johnson	1,500	--	1,500
		Alfredo Ortega	--	1,417	1,417
Teaching Assistant					
		John B. Ahouse	833	--	833
			\$ 21,198	\$ 18,843	\$ 40,041
<u>MUSIC</u>					
Professor					
		Olav E. Eidbo	T \$ 2,000(3/4)	\$ --	\$ 2,000
		Engebret A. Thormodsgaard	T 1,267(1/2)	2,533	3,800
Associate Professor					
		Hugh F. Cardon	T --	2,033	2,033
		Gene Lewis	--	2,333	2,333
Assistant Professor					
		Arryl S. Paul	T 1,867	--	1,867
		Charles R. Stanley	--	1,867	1,867
Instructors, Part-time					
			700	700	1,400
			\$ 5,834	\$ 9,466	\$ 15,300
<u>PHILOSOPHY</u>					
Professor					
		John H. Haddox	T \$ 2,917	\$ 2,917	\$ 5,834
Assistant Professor					
		Nancy P. Cummings (Visiting)	1,667	1,667	3,334
		Federico Ferro	1,667	1,667	3,334
		Peter Robinson	--	1,900	1,900
Instructor					
		Ernesto E. Briones	1,667	--	1,667
			\$ 7,918	\$ 8,151	\$ 16,069
<u>POLITICAL SCIENCE</u>					
H. Y. Benedict Professor					
		Joseph M. Ray	T \$ 1,917(1/2)	\$ 3,833	\$ 5,750
Professor					
		Rudolph Gomez	T 2,750	--	2,750
		Melvin P. Straus	T 2,200	2,200	4,400
Associate Professor					
		Joseph B. Graves	T 2,317	--	2,317
		Edward A. Leonard	T 2,367	2,367	4,734
		Howard D. Neighbor	T 2,283	2,283	4,566

## Supplemental Data

<u>First</u> <u>Term</u>	<u>Second</u> <u>Term</u>		<u>First</u> <u>Term</u>	<u>Second</u> <u>Term</u>	<u>Total</u>
<u>POLITICAL SCIENCE (Continued)</u>					
Assistant Professor					
		Charles R. Bath	T \$ 2,033	\$ 2,033	\$ 4,066
		John A. Hovel	T --	1,583	1,583
		James W. Lamare	1,800	1,800	3,600
		Thomas J. Price	<u>1,833</u>	<u>1,833</u>	<u>3,666</u>
			<u>\$ 19,500</u>	<u>\$ 17,932</u>	<u>\$ 37,432</u>
<u>PSYCHOLOGY</u>					
Professor					
		Edmund B. Coleman	T \$ 3,050	\$ --	\$ 3,050
		Philip Himelstein	T 3,050	1,525(1/2)	4,575
Associate Professor					
		Guido A. Barrientos	T 2,333	1,167(1/2)	3,500
		James V. Devine	T --	2,333	2,333
		Gerald R. Miller	T --	2,333	2,333
		Randolph H. Whitworth	T 1,258(1/2)	2,517	3,775
Assistant Professor					
		William G. Lucker	T <u>1,850</u>	<u>925(1/2)</u>	<u>2,775</u>
			<u>\$ 11,541</u>	<u>\$ 10,800</u>	<u>\$ 22,341</u>
<u>SOCIOLOGY</u>					
Professor					
		Julius C. Rivera	T \$ --	\$ 3,583	\$ 3,583
		Ellwyn R. Stoddard	T 2,750	1,375(1/2)	4,125
Associate Professor					
		Paul W. Goodman	T 2,167	2,167	4,334
		Robert S. Hiatt	T --	2,217	2,217
Assistant Professor					
		Richard L. Hough	2,167	1,083(1/2)	3,250
Instructor					
\$ 708	\$ --	Irving R. Brown	1,833	--	1,833
--	708	Karen G. Ramirez	708(P.T)	--	708
<u>250</u>	<u>250</u>	Instructor, English			
		(Part-time)			
		Director, Chicano Studies			
		Program (15/100 Time)			
<u>\$ 958</u>	<u>\$ 958</u>	Total Salary			
Lecturer					
		Lydia Aguirre	600(3/10)	--	600
		Sarah B. Watley	1,667	--	1,667
		Nathan Zirl	--	600(3/10)	600
			<u>\$ 11,892</u>	<u>\$ 11,025</u>	<u>\$ 22,917</u>
Total College of Liberal Arts			<u>\$176,435</u>	<u>\$160,641</u>	<u>\$337,076</u>
<u>COLLEGE OF SCIENCE</u>					
<u>BIOLOGICAL SCIENCES</u>					
Professor					
		Albert G. Canaris	T \$ 3,333	\$ 3,333	\$ 6,666
		Curtis E. Eklund	T 2,533	--	2,533
		Arthur H. Harris	T 2,500	--	2,500
		James B. Reeves	T 1,450(1/2)	1,450(1/2)	2,900
		Gordon W. Robertstad	T 1,417(1/2)	1,417(1/2)	2,834
Associate Professor					
		John S. Williams	T 2,016	--	2,016

## Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>BIOLOGICAL SCIENCES (Continued)</u>					
Assistant Professor					
			\$ 2,000	\$ --	\$ 2,000
				967(1/2)	967
		T	--		
			2,083	--	2,083
		T		900(1/2)	1,800
			900(1/2)		
			2,117	--	2,117
			<u>\$ 20,349</u>	<u>\$ 8,067</u>	<u>\$ 28,416</u>
<u>CHEMISTRY</u>					
Professor					
			\$ 2,633	\$ 2,633	\$ 5,266
		T		3,333	6,666
			2,633	--	2,633
		T		--	
			2,833	--	2,833
		T			
Associate Professor					
			--	2,250	2,250
		T			
			--	2,383	2,383
		T			
Teaching Assistant					
			417(1/2)	417(1/2)	834
			417(1/2)	417(1/2)	834
			417(1/2)	417(1/2)	834
			417(1/2)	417(1/2)	834
			417(1/2)	417(1/2)	834
			<u>417(1/2)</u>	<u>417(1/2)</u>	<u>834</u>
			<u>\$ 13,517</u>	<u>\$ 12,684</u>	<u>\$ 26,201</u>
<u>GEOLOGICAL SCIENCES</u>					
Professor					
			\$ 1,250(1/2)	\$ --	\$ 1,250
		T		1,417(1/2)	2,834
			1,417(1/2)		
		T		--	1,542
			1,542(1/2)		
Associate Professor					
			--	1,050(1/2)	1,050
		T			
			2,250	--	2,250
		T			
			1,083(1/2)	--	1,083
		T			
			--	1,125(1/2)	1,125
		T			
Assistant Professor					
			--	958(1/2)	958
			<u>\$ 7,542</u>	<u>\$ 4,550</u>	<u>\$ 12,092</u>
<u>MATHEMATICS</u>					
Professor					
			\$ 2,533	\$ --	\$ 2,533
		T			
				1,667(1/2)	1,667
			3,117	--	3,117
		T			
Associate Professor					
			2,300	--	2,300
		T			
			2,800	2,800	5,600
		T			
			--	2,383	2,383
		T			
			--	2,500	2,500
		T			
Assistant Professor					
			2,033	--	2,033
		T			
			--	950(1/2)	950
		T			
			933(1/2)	--	933
		T			
			1,833	--	1,833
		T			
			--	908(1/2)	908
		T			

## Supplemental Data

<u>First</u> <u>Term</u>	<u>Second</u> <u>Term</u>		<u>First</u> <u>Term</u>	<u>Second</u> <u>Term</u>	<u>Total</u>
<u>MATHEMATICS (Continued)</u>					
<u>Assistant Professor (Continued)</u>					
		Clinton W. Kennel	\$ 1,983	\$ --	\$ 1,983
		Orville C. Kruschwitz	T --	858(1/2)	858
		Ralph A. Liguori	T --	1,600	1,600
		Kennith W. Lopp	T 1,067(1/2)	--	1,067
		Bernard Martin-Williams	T 858(1/2)	--	858
		Vladik A. Miculka	T 925(1/2)	--	925
		John A. Narvarte	--	1,933	1,933
		Jesus R. Provencio	T --	925(1/2)	925
		Vilappakkam K. Srinivasan	2,067	--	2,067
			<u>\$ 24,116</u>	<u>\$ 14,857</u>	<u>\$ 38,973</u>
<u>PHYSICS</u>					
		<u>Professor</u>			
\$ --	\$ 1,375	Thomas G. Barnes	T \$ --	\$ 1,375(1/2)	\$ 1,375
		Contract Research and Services-Army Contract			
<u>2,750</u>	<u>--</u>	Total Salary			
<u>\$ 2,750</u>	<u>\$ 1,375</u>				
		Donald E. Bowen	T 2,833	2,833	5,666
\$ --	\$ 1,333	Robert G. McIntyre	T --	1,333(1/2)	1,333
		Contract Research and Services-Army Contract			
<u>2,667</u>	<u>--</u>	Total Salary			
<u>\$ 2,667</u>	<u>\$ 1,333</u>				
		Oscar H. McMahan	T 2,583	2,583	5,166
<u>Associate Professor</u>					
		Samuel J. Brient, Jr.	T 1,317(1/2)	1,317(1/2)	2,634
		Rufus E. Bruce	T 1,267(1/2)	--	1,267
		Eugene A. Dean	T 1,208(1/2)	--	1,208
<u>Teaching Assistant</u>					
			<u>675(PT)</u>	<u>675(PT)</u>	<u>1,350</u>
			<u>\$ 9,883</u>	<u>\$ 10,116</u>	<u>\$ 19,999</u>
<u>Total College of Science</u>			<u>\$ 75,407</u>	<u>\$ 50,274</u>	<u>\$125,681</u>
<u>Total 1973 Summer Session Budget</u>			<u>\$446,287</u>	<u>\$370,215</u>	<u>\$816,502</u>

LIBRARY

28. Transfer of Funds:

From: Wages	\$20,000.00
Unallocated Salaries - Other	10,000.00
To: Books, Periodicals and Binding	30,000.00

For: Transfer between dissimilar appropriations to make funds available for the purchase of Library books. (RBC 285)

ORGANIZED RESEARCHSeismic Observatory

29. Transfer of Funds:

From: Maintenance and Operation	\$1,000.00
To: Wages	1,000.00

For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 259)

Bureau of Business and Economic Research

30. Transfer of Funds:

From: Travel	\$1,000.00
To: Maintenance and Operation	1,000.00

For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 274)

31. Accept the resignation of Arthur S. Gifford, Assistant Director (1/2 Time), effective May 31, 1973, and lapse to Unallocated Salaries - Other \$2,084.00 budgeted for this position. (RBC 288)

32. Appoint Timothy P. Roth as Assistant Director effective June 1 through July 15, 1973, at a nine-months rate of \$12,500.00 with the necessary funds in the amount of \$2,084.00 to come from Unallocated Salaries - Other. This rate is less than Dr. Roth's rate of \$12,800.00 as Assistant Professor of Economics and Finance due to the limitation of funds. (RBC 289)

CONTRACT RESEARCH AND SERVICESSchellenger Research Laboratory

33. Change the status of Jerry L. Collins from Research Physicist (3/4 Time) to Research Physicist (Full-time) effective February 1, 1973 and extend the period of appointment from May 31, 1973 to August 31, 1973, at her annual rate of \$12,000.00 with the necessary additional funds in the amount of \$4,000.00 to come from budgeted salaries for one or more Government contracts and/or grants. (RBC 254)

OEO Grant CG 8669 F/O - High School Equivalency Program - 6th Year

34. Correct the budgeted annual rate for Frank Ciriza, Director, effective September 1, 1972 through August 31, 1973 from \$13,900.00 to \$13,000.00 and lapse to unencumbered salaries \$900.00 budgeted for this position. This change was necessary due to grant limitations. (RBC 260)

35. Change the status of Elisa F. Urquidez from Resident Girls' Counselor (Full-time) to Resident Girls' Counselor (85/100 Time) effective March 1 through August 31, 1973, at her full-time annual rate of \$3,090.00 and lapse to unencumbered salaries \$231.78 budgeted for this position. She also receives room and board valued at \$110.00 per month. (RBC 277)

Air Force Contract F41609-72-C-0020 - Effects of Visual Acuity

36. Reappoint Paul V. Garcia as Research Scientist effective March 1 through June 30, 1973, at an annual rate of \$11,900.00 with the necessary funds in the amount of \$3,966.64 to come from budgeted salaries for this contract. (RBC 265)

37. Reappoint James C. Noah as Research Scientist effective March 1 through June 30, 1973, at his annual rate of \$17,333.00 with the necessary funds in the amount of \$5,777.64 to come from budgeted salaries for this contract. (RBC 266)

38. Reappoint Guy M. Crook, II as Assistant Research Scientist effective March 1 through June 30, 1973, at an annual rate of \$10,500.00 with the necessary funds in the amount of \$3,500.00 to come from budgeted salaries for this contract. (RBC 267)

39. Reappoint Felton E. Arnold as Research Assistant (1/2 Time) effective March 1 through June 30, 1973, at his full-time annual rate of \$5,520.00 with the necessary funds in the amount of \$920.00 to come from budgeted salaries for this contract. (RBC 268)

CONTRACT RESEARCH AND SERVICES (CONTINUED)Air Force Contract F41609-72-C-0020 - Effects of Visual Acuity (Continued)

40. Reappoint Zane M. Fractor as Research Assistant effective March 1 through June 30, 1973, at an annual rate of \$9,000.00 with the necessary funds in the amount of \$3,000.00 to come from budgeted salaries for this contract. (RBC 269)
41. Reappoint Charles Link as Research Assistant effective March 1 through June 30, 1973, at an annual rate of \$7,100.00 with the necessary funds in the amount of \$2,366.64 to come from budgeted salaries for this contract. (RBC 270)
42. Reappoint Douglas J. McMillan as Research Assistant effective March 1 through June 30, 1973, at an annual rate of \$5,800.00 with the necessary funds in the amount of \$1,933.32 to come from budgeted salaries for this contract. (RBC 271)
43. Reappoint Dolores R. Salas as Research Assistant effective March 1 through June 30, 1973, at an annual rate of \$8,100.00 with the necessary funds in the amount of \$2,700.00 to come from budgeted salaries for this contract. (RBC 272)

U. S. Army Materiel Contract DAAD07-73-C-0127 - Atmospheric Modeling

44. Appoint Leland T. Blank as Research Engineer Scientist (1/3 Time) effective February 1 through May 31, 1973, at his full-time nine-months rate of \$13,000.00 as Assistant Professor of Mechanical Engineering with the necessary funds in the amount of \$1,926.00 to come from budgeted salaries for this contract. He will also serve as Assistant Professor (2/3 Time) in the Department of Mechanical Engineering. (RBC 264)

RESTRICTED CURRENT FUNDSEXCELLENCE FUND

45. Transfer of Funds:
- |  |            |
|--|------------|
| From: Travel (Faculty and Recruitment)                                   | \$1,200.00 |
| To: Visiting Lecturers and Consultants                                   | 1,200.00   |
| For: To provide funds for additional visiting lecturers and consultants. | (RBC 282)  |

AUXILIARY ENTERPRISESIntercollegiate Athletics

46. Change the status of Don L. Haskins from Basketball Coach to Head Basketball Coach effective March 1, 1973, and increase his annual rate from \$20,000.00 to \$23,000.00 with the necessary funds in the amount of \$1,500.00 to come from budgeted salaries for this department. (RBC 262)

SERVICE DEPARTMENTSComputation Center

47. Change the status of Samuel W. Scott from Director (Full-time) to Director (3/4 Time) effective September 1, 1972 through May 31, 1973, at his full-time annual rate of \$15,700.00 and lapse to unencumbered salaries \$2,944.00 budgeted for this position. His appointment as Director (Full-time) for the period June 1 - August 31, 1973 remains unchanged. He will also serve as Lecturer (1/4 Time) in the Department of Business. (RBC 255)

PLANT FUNDS - UNEXPENDEDBuilding Revenue Bonds, Series 1969 - Interest on Time Deposits

48. Appropriate \$30,000.00 for replacement of outside terrazzo with quarry tile at The Union. (RBC 207)
49. Appropriate \$750.00 for the renovation of rest room facilities in the Women's Gymnasium. (RBC 208)
50. Appropriate \$1,135.00 to purchase and install 60 additional lockers for Memorial Gymnasium. (RBC 209)
51. Appropriate \$30,000.00 for paving the parking lot west of Sun Bown Road. (RBC 261)
- Combined Fee Revenue Bonds - Series 1970 and 1971 - Interest on Time Deposits
52. Appropriate \$53,905.99 to retire the indebtedness of the Tartan Track at Kidd Field. (RBC 286)

## THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN

Odessa, Texas

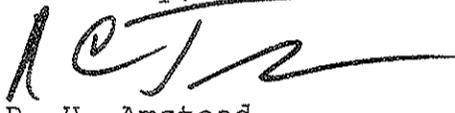
May 1, 1973

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-3 is submitted for your approval and presentation  
to the Board of Regents at their June 1, 1973 meeting.

Sincerely,

  
For B. H. Amstead  
President

THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN  
June 1, 1973 Meeting

GIFTS TO THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN

I recommend approval of acceptance of the following gift: 

DONOR	PURPOSE AND CONDITIONS	AMOUNT
1. The Moody Foundation Edward L. Pretz Grant Coordinator Galveston, Texas 77550	Grant for purchase of thirteen (13) mobile units to be used as field trip laboratories and edu- cation extension program units.	\$150,000

THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN  
RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

June 1, 1973 Meeting

GENERAL INSTITUTIONAL EXPENSE:

1. Transfer of Funds:
 

From:	Office of the Dean, College of Management, Classified Salaries	\$13,000.00
To:	General Institutional Expense, Consultants	\$13,000.00
For:	Providing additional funds needed for consultant fees.	
	(RBC #28, 30)	
  
2. Transfer of Funds:
 

From:	Office of the Dean, College of Arts and Education, Administrative Salaries	\$ 6,733.94
	Classified Salaries	\$ 6,266.06
To:	General Institutional Expense, Consultants	\$13,000.00
For:	Providing additional funds needed for consultant fees.	
	(RBC #29)	

PHYSICAL PLANT OPERATION:

3. Appoint James I. Hinton as Director of Physical Plant, Office of Director of Physical Plant, for period 4/30/73 - 8/31/73 at a salary rate of \$16,000 for a 12 month period.  
 (RBC #31)

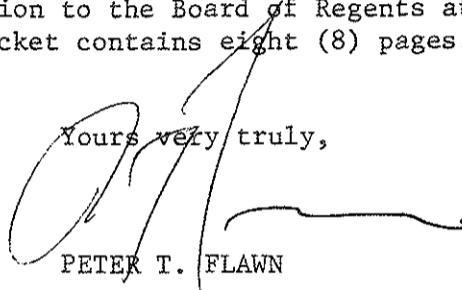
THE UNIVERSITY OF TEXAS AT SAN ANTONIO  
Office of the President  
May 1, 1973

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 June 1, 1973. This docket contains eight (8) pages.

Yours very truly,

A handwritten signature in black ink, appearing to read 'Peter T. Flawn', is written over the typed name. The signature is fluid and cursive, with a long horizontal stroke at the end.

PETER T. FLAWN

THE UNIVERSITY OF TEXAS  
AT SAN ANTONIO

GIFTS: Acceptance is recommended for the following gift which has been received:

<u>Donor</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. Houston Endowment, Inc. c/o Mr. J. H. Creekmore President P. O. Box 52338 Houston, Texas 77052	Contribution toward support of the activities of the Institute of Texan Cultures	\$20,000.00

1972-73 PERSONNEL PAY PLAN: Ratification of the following changes in the pay plan is recommended:

1. Add the following new positions and salary ranges effective April 1, 1973:

<u>Code</u>	<u>Title</u>	<u>Salary Range</u>	
		<u>Monthly</u>	<u>Annual</u>
6235	Assistant Director, Lutcher Center	\$ 603- 790	\$ 7236- 9480
6422	Stores Supervisor	694- 892	8328-10704
6460	Inventory Supervisor	576- 758	6912- 9096
9135	Internal Auditor	892-1175	10704-14100

2. Delete the following positions and salary ranges effective September 1, 1973:

6241	Housekeeper I	391- 491	4692- 5892
6319	Investigator, University Police	726- 892	8712-10704
9093	Clerical Assistant	298- 358	3576- 4296

3. Change the salary range of the following job classification effective April 1, 1973:

<u>From:</u>			
9081	Guide Supervisor	469- 603	5628- 7236
<u>To:</u>			
9081	Guide Supervisor	469- 632	5628- 7584

POLICIES AND GUIDELINES FOR USE OF THE LUTCHER CENTER: In accordance with the approved Policies and Guidelines for use of the Lutcher Center, approval is recommended of the following fee schedule. The approved fees will be followed on an interim basis pending some months of experience in the operation of the Center by The University of Texas at San Antonio:

- |                            |               |
|----------------------------|---------------|
| 1. Food (per person rates) |               |
| Breakfast                  | \$3.50        |
| Brunch                     | \$2.50-\$3.50 |
| Lunch                      | \$5.00        |
| Formal Tea                 | \$1.50        |
| Dinner                     | \$7.50        |
| Coffee (with rolls)        | .50           |
| 2. Lodging (per night)     |               |
| Single                     | \$ 7.00       |
| Double                     | \$12.00       |

3. Service Fee Schedule

<u>Number of Participants</u>	<u>Half Day (morning or afternoon)</u>	<u>Full Day (including evening)</u>	<u>Evening Only</u>
Minimum Fee	\$ 20.00	\$ 20.00	\$ 20.00
1-25 persons	20.00	25.00	20.00
26-50 persons	25.00	50.00	25.00
51-75 persons	37.50	75.00	37.50
76-100 persons	50.00	90.00	50.00
101-150 persons	100.00	120.00	100.00
151-200 persons	100.00	150.00	100.00
201-300 persons	100.00	175.00	100.00
301-400 persons	100.00	200.00	100.00
401-Over persons	150.00	200.00	150.00

4. Other Fees

Overtime Labor Fee (Charged after 5:00 p.m. and on Saturdays, Sundays, and Holidays)	\$5.00 per hour per staff member (In addi- tion to Number 3 above)
--	--

GRANTS (NON-GOVERNMENTAL): Approval is requested for the following: 

Alamo Area Council of Governments

1. Agreement  
UTSA/AACOG Consultation Agreement  
Dr. Antonio Furino  
Completed by June 30, 1973  
\$3,600.00

THE UNIVERSITY OF TEXAS  
AT SAN ANTONIO  
RECOMMENDED AMMENDMENTS TO THE 1972-73 BUDGET  
 June 1, 1973

Approval is requested for the following:

GENERAL ADMINISTRATION

Vice President for Academic Affairs

1. Accept the resignation of Dr. Louis J. Rodriguez, Vice President for Academic Affairs, at an annual salary rate of \$33,108.00, effective June 30, 1973. (RBC 87)
2. Appoint Dr. Beverly J. Gibbs as Assistant to the President for Academic Affairs at an annual salary rate of \$25,000.00 for twelve months effective June 1, 1973. Funds needed, in the amount of \$5,518.00 are to come from Administrative and Professional Salaries account, Vice President for Academic Affairs, and the additional funds required, in the amount of \$731.99 are to be transferred from the classified salary account to the Administrative and Professional Salary Account. (RBC 88)

Vice President for University Affairs

3. Change the budgetary designation of the office of the Vice President for University Affairs to the Office of the Dean of Students, effective June 1, 1973. (RBC 89)

Office of the Dean of Students

4. Transfer Mr. S. H. Gomez, Director of Student Financial Aids and Placement, at an annual salary rate of \$18,192.00, from the department of Student Financial Aids and Placement to the Office of the Dean of Students effective June 1, 1973. Funds for this position are also to be transferred. Student Financial Aids and Placement activities are to become an integral function of the Office of the Dean of Students. (RBC 90)

Personnel Office

5. Transfer \$2,118.95 from Mail Service - Classified Salaries to Personnel Office - Classified Salaries to provide funds needed to fill a new classified position. (RBC 82)

RESIDENT INSTRUCTION

College of Business

Division of Economics and Finance

6. Accept the resignation of Dr. Louis J. Rodriguez (tenure) without salary as Professor, effective June 30, 1973. Dr. Rodriguez also resigned as Vice President for Academic Affairs at an annual salary rate of \$33,108.00. (RBC 94)
7. Appoint Mr. Charles D. Porterfield (non-tenure) as Instructor, at an academic rate of \$11,000.00, for nine months, effective August 1, 1973. Funds needed, in the amount of \$1,222.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 104)

RESIDENT INSTRUCTION (continued)College of BusinessDivision of Accounting and Business Data Systems

8. To appoint Dr. Leslie L. McNelis (without tenure) as Associate Professor, at an academic salary rate of \$18,000.00, for nine months, effective May 1, 1973. Funds needed, in the amount of \$8,000.00, are to come from Unallocated Faculty Salaries and Unallocated Faculty Salaries - Summer School accounts. (RBC 102)

College of Fine and Applied ArtsDivision of Art and Design

9. Transfer \$1,986.00 from College of Fine and Applied Arts - Unallocated Classified Salaries to Division of Art and Design - Classified Salaries to provide funds needed to fill a new classified position. (RBC 95)
10. Appoint Mr. Miguel Celorio (non-tenure) as Visiting Associate Professor, at an academic salary rate of \$16,000.00 for nine months, effective June 1, 1973 through July 15, 1973. Funds needed, in the amount of \$2,667.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 99)

College of Humanities and Social SciencesDivision of Foreign Languages, Literature and Linguistics

11. To appoint Dr. Ricardo F. Benavides (initial request for tenure) as Professor and Director, at an annual salary rate of \$24,000.00, effective June 1, 1973. Funds needed, in the amount of \$6,000.00, are to come from the Faculty Salaries account. (RBC 100)

Division of Social Sciences

12. To appoint Dr. Thomas C. Greaves (initial request for tenure) as Professor and Director, at an annual salary rate of \$24,000.00, effective June 1, 1973. Funds needed, in the amount of \$6,000.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 101)

College of Multidisciplinary StudiesDivision of Advanced Studies in Education

13. To reappoint Dr. Berry Sutherland (non-tenure) as Assistant Professor, at an academic salary rate of \$13,500.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$4,500.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 47)
14. To reappoint Mr. Larrie E. Gale (non-tenure) as Assistant Professor, at an academic salary rate of \$12,800.00, for nine months effective June 1, 1973. Funds needed, in the amount of \$2,133.33, are to come from Unallocated Faculty Salaries - Summer School account. Mr. Gale is also appointed half-time in the Media Center. (RBC 51)
15. To appoint Dr. Paul Westmeyer (non-tenure) as Professor, at an academic salary rate of \$18,000.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$6,000.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 48)

RESIDENT INSTRUCTION (continued)College of Multidisciplinary StudiesDivision of Advanced Studies in Education

16. Transfer \$2,345.00 from College of Multidisciplinary Studies - Unallocated Classified Salaries, to Division of Advanced Studies in Education - Classified Salaries for funds needed to fill a new classified position. (RBC 106)
17. Transfer \$2,217.62 from College of Multidisciplinary Studies - Unallocated Classified Salaries to Division of Advanced Studies in Education - Classified Salaries for funds required in hiring new personnel. (RBC 81)
18. To appoint Dr. Mary Beth S. Penney (non-tenure) as Lecturer, at an academic salary rate of \$13,000.00, for nine months, effective June 1, 1973. Funds needed, in the amount of \$4,333.33, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 84)
19. Appoint Dr. Francis A. Lonsway (non-tenure) as Lecturer, at an academic salary rate of \$14,400.00 for nine months, effective June 1, 1973 through July 15, 1973. Funds needed, in the amount of \$2,400, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 85)
20. To appoint Mr. Simon L. Orta (non-tenure) as Assistant Professor at an academic salary rate of \$12,000.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$4,000.00, are to come from Unallocated Faculty Salaries - Summer School. (RBC 83)

Division of Bicultural-Bilingual Studies

21. To reappoint Dr. Peter A. Helfert (non-tenure) as Associate Professor, at an academic salary rate of \$16,000.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$5,333.33, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 52)

Division of Environmental Studies

22. To reappoint Dr. J. Leland Hepworth (non-tenure) as Associate Professor, at an academic rate of \$16,000.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$5,333.33, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 49)
23. Appoint Dr. Chia Shun Shih (initial request for tenure) as Professor and Director, at an annual salary of \$25,000.00, effective July 1, 1973. Funds needed, in the amount of \$4,166.66, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 96)

Division of Continuing Education

24. Change the status of Mr. William C. Lindley from Vice President for University Affairs, at an annual salary rate of \$24,000.00, to Dean, Division of Continuing Education, effective June 1, 1973. Funds needed for this change are to be transferred from Vice President for University Affairs, Administrative and Professional Salaries account. (RBC 91)

RESIDENT INSTRUCTION (continued)College of Sciences and MathematicsDivision of Earth and Life Sciences

25. To reappoint Dr. Paul H. Rodriguez (non-tenure) as Assistant Professor, at an academic salary rate of \$12,000.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$4,000.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 54)
26. To appoint Dr. Bernard P. Sagik (initial request for tenure) as Professor, without salary, effective July 1, 1973. Dr. Sagik also serves as Dean, College of Sciences and Mathematics at an annual salary rate of \$33,000.00. He also serves as Professor (without tenure) without salary, in the Department of Microbiology at the University of Texas Health Science Center at San Antonio.

Division of Mathematics and Systems Design

27. To appoint Dr. William B. Gearhart (initial request for tenure) as Associate Professor, at an academic salary rate of \$15,100.00 for nine months, effective May 15, 1973 through July 15, 1973. Funds needed, in the amount of \$3,436.76, are to come from Unallocated Faculty Salaries and Unallocated Faculty Salaries - Summer School accounts. (RBC 103)
28. To reappoint Dr. David Tabor (non-tenure) as Assistant Professor, at an academic salary rate of \$13,000.00 for nine months, effective June 1, 1973. Funds needed, in the amount of \$4,333.33, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 53)
29. Appoint Dr. Stanley G. Wayment (initial request for tenure) as Professor and Director, at an annual salary rate of \$24,000.00, effective June 1, 1973. Funds needed in the amount of \$6,000.00, are to come from Unallocated Faculty Salaries - Summer School account. (RBC 80)

Office of the Dean

30. To appoint Dr. Bernard P. Sagik as Dean, at an annual salary rate of \$33,000.00, effective June 1, 1973. Funds needed, in the amount of \$8,250.00, are provided for in the Administrative and Professional Salaries account. Dr. Sagik is also appointed Professor (initial request for tenure) without salary in the Division of Earth and Life Sciences. He will also serve as a Professor (non-tenure) of Microbiology at The University of Texas Health Science Center at San Antonio. (RBC 92)

Media Center

31. To reappoint Mr. Larrie E. Gale (non-tenure) as Assistant Professor, (half-time), at an academic salary rate of \$12,800.00, for nine months, effective June 1, 1973. Funds needed in the amount of \$2,133.33, are to come from Unallocated Faculty Salaries - Summer School account. Mr. Gale is also appointed half-time in the College of Multidisciplinary Studies. (RBC 50)

LIBRARY

32. To appoint Mrs. Jettie M. Burns as Acquisitions Librarian, at an annual salary rate of \$11,000.00, effective April 15, 1973. Funds needed, in the amount of \$4,155.54, are provided for in the Administrative and Professional Salaries account. (RBC 98)

PHYSICAL PLANTCampus Security

33. Appoint Mr. Manuel C. Chavez as Chief of Police at an annual salary rate of \$14,500.00, effective April 20, 1973. Funds needed, in the amount of \$5,276.41, are to be transferred from the Equipment account to the Administrative and Professional Salaries account. (RBC 86)

UNALLOCATED INCLUDING SPECIAL EQUIPMENT34. Transfer of Funds

Amount of Transfer: \$634,415.57

To: Unallocated Including Special Equipment	\$ 634,415.57
From: Office of the President	
Wages	\$ 1,106.03
Vice President for Academic Affairs	
Classified Salaries	7,457.76
Wages	2,448.00
Vice President for Fiscal Affairs	
Classified Salaries	11,655.92
Wages	2,352.00
Office of the Dean of Students	
Classified Salaries	14,487.00
Wages	2,448.00
Office of Fiscal Services	
Classified Salaries	20,000.00
Wages	5,792.00
Office of General Services	
Administrative and Professional Salaries	2,250.00
Data Processing	
Classified Salaries	32,516.00
Wages	3,138.00
Student Financial Aids and Placement	
Classified Salaries	1,910.98
Wages	1,736.22
Office of Admissions	
Classified Salaries	15,000.00
Wages	20,000.00
Catalogues and Public Information	
Administrative and Professional Salaries	11,328.00
College of Humanities and Social Sciences	
Office of the Dean	
Classified Salaries	3,336.36
College of Multidisciplinary Studies	
Office of the Dean	
Administrative and Professional Salaries	23,404.02
Classified Salaries	6,800.16
College of Sciences and Mathematics	
Division of Physical Science	
Faculty Salaries	20,333.33
College of Sciences and Mathematics	
Office of the Dean	
Administrative and Professional Salaries	21,654.00
Classified Salaries	3,261.79
Summer School Faculty Salaries	250,000.00
Unallocated Faculty Salaries	150,000.00

For: Transfer uncommitted budget funds in the amount of \$634,415.57 into the Unallocated, Including Special Equipment account for future budgetary authorization and allocation. (RBC 97, RBC 105)

INSTITUTE OF TEXAN CULTURES35. Transfer of Funds

Amount of Transfer: \$37,759.62

To: Administration, Maintenance & Operation	\$ 3,000.00
Records, Wages	4,000.00
Research, Classified Salaries	100.00
Research, Maintenance & Operation	7,000.00
Exhibits, Classified Salaries	950.00
Exhibits, Wages	4,000.00
Physical Plant, Wages	3,500.00
Institutional, Unallocated	15,209.62
From: Physical Plant, Classified Salaries	\$ 11,000.00
Institutional, Unallocated	22,550.00
Other Sources, Miscellaneous Income	4,209.62

For: To provide the necessary funds required to enable these departments to meet their operational requirements, to budget miscellaneous income, and to lapse unused salary amounts. (TC 75 through TC 83)

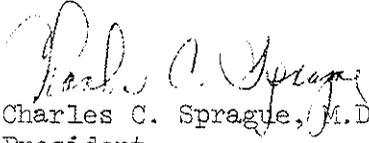
THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS  
5323 Harry Hines Boulevard, Dallas, Texas 75235

Dr. Charles A. LeMaistre  
Chancellor  
The University of Texas System  
Austin, Texas 78712

Dear Dr. LeMaistre:

The following docket consisting of 13 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 June 1, 1973.

Respectfully submitted,

  
Charles C. Sprague, M.D.  
President

## THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

BOARD OF REGENTS MEETING - JUNE 1, 1973

TRAVELDALLAS HEALTH SCIENCE CENTER

1. The following patrolmen, University Police, to travel to The University of Texas Police Academy in Austin to attend training session from April 8, 1973 to June 15, 1973; expenses will be paid by the University Police Department:

James M. Nelson  
Lee E. Howe  
Randal G. Eubank

GIFTSDALLAS MEDICAL SCHOOL

<u>Donor</u>	<u>Amount</u>
2. Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	
<u>Purpose and Condition.</u> For the establishment, support and maintenance of the Margaret Milam McDermott Chair of Anesthesiology.	\$12,803.86

DALLAS ALLIED HEALTH SCIENCES SCHOOL

3. Hoblitzelle Foundation 2522 Republic Bank Building Dallas, Texas 75201	
<u>Purpose and Condition.</u> For laboratory furniture and physical therapy laboratory equipment.	\$50,000.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL)DALLAS HEALTH SCIENCE CENTER

4. Lease agreement whereby the Dallas Health Science Center, on behalf of the North Texas Regional Computer Center Division - ISM Program Development, leases from Stemmons Towers Company, 611 Stemmons Tower South, Dallas, Texas 75207, approximately 821 square feet of space located in Stemmons Tower West, Suite 1004, for a 36-month period beginning April 1, 1973 through March 31, 1976 at the rental rate of \$369.00 per month for use as administrative offices.

DALLAS MEDICAL SCHOOL

5. Lease agreement whereby the Dallas Medical School leases from Vantage Management Company, 2525 Stemmons Freeway, Dallas, Texas 75207, approximately 6,750 square feet of space located at 2404 Irving Boulevard, Dallas, Texas, for a 12-month period beginning April 1, 1973, at the rental rate of \$760.00 per month for use as a storage and general office area.

## GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

\* American Hoechst Corporation  
Box 2500  
Somerville, New Jersey 08876

6. Research Grant  
Additional support for 1973 for the HB 419 Study.  
Dr. Roger H. Unger, Department of Internal Medicine  
\$8,000.00

American Medical Association  
535 North Dearborn Street  
Chicago, Illinois 60610

7. 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 in the Faculty of Medicine, University of Saigon, South Vietnam; supercedes previous modification extending period to March 31, 1973 and increasing amount to \$21,600. This modification now extends period to April 30, 1973 and increases amount by \$27,669.

Astra Pharmaceutical Products Inc.  
Neponset Street  
Worcester, Massachusetts 01606

8. Research Grant  
"Clinical Investigation of Duranest (W19053) Including a Double-Blind Comparison with Zylocaine." Comparison of two agents suitable for subcutaneous local or regional block.  
Dr. Prithvi P. Raj and Dr. S. J. Montgomery, Department of Anesthesiology  
\$10,000.00

Beecham-Massengill Pharmaceuticals  
Bristol, Tennessee 37620

9. Research Grant  
"Anoxicillin vs. Penicillin V in the Treatment of Acute Otitis Media in Infants and Children." Double-blind drug trial of an antibiotic.  
Jorge E. Howard, M.D., Department of Pediatrics  
\$31,387.00

Bristol Laboratories  
P. O. Box 657  
Syracuse, New York 13201

10. Research Grant  
"Clinical Pharmacologic Evaluation of BB-K8 in Neonates." Study of a new antibiotic effective against gram negative and pseudomonas.  
George H. McCracken, Jr., M.D., Department of Pediatrics  
\$18,535.00

\* No original letter of transmittal from donor

## GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

The Lalor Foundation  
4400 Lancaster Pike  
Wilmington, Delaware 19805

11. Research Grant  
"Studies of Fetal Maternal Immunobiological Relationships."  
Animal work on immunological responses in lymph nodes of pregnant animals. Maternal tolerance of fetus.  
James R. Scott, M.D., Department of Obstetrics and Gynecology  
June 1, 1973 through June 1, 1974  
\$8,500.00

The Lilly Research Laboratories  
Eli Lilly and Company  
Indianapolis, Indiana 46206

12. Research Grant No. 232/5261C/09  
"Fenophren Calcium with Propoxyphene Napsylate." A clinical and laboratory study of the effects of fenophren calcium with propoxyphene napsylate as an analgesic agent in patients with osteoarthritis. A drug study.  
Morris Ziff, M.D., Department of Internal Medicine  
\$30,285.00

Merck, Sharp & Dohme, Inc.  
5334 Farquhar Lane  
Dallas, Texas 75209

13. Lectureship Grant  
Subsidy for visiting lecturer, Dr. James H. Gault, M.D., Director of Department of Cardiology, M. S. Hershey Medical Center, Pennsylvania, for May 1973 meeting.  
\$425.00

National Cystic Fibrosis Research Foundation  
3379 Peachtree Road, N.E.  
Atlanta, Georgia 30326

14. Support Grant  
"Care and Teaching in a Cystic Fibrosis Center." Primarily medical care support; no specific research, except incidental subject to certain rules of National Cystic Fibrosis.  
Robert I. Kramer, M.D., Department of Pediatrics  
March 1, 1973 through February 28, 1974  
\$11,000.00

Ohio Medical Products  
3030 Airco Drive  
Madison, Wisconsin 53701

15. Research Grant  
"Clinical Evaluation of Ethrane in the Pediatric Age Group; Ambulatory Patients." Evaluation of an anesthetic agent in children.  
E. Warner Ahlgren, M.D., Department of Anesthesiology  
\$5,000.00

## GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

The Ohio State University Research Foundation  
1314 Kinnear Road  
Columbus, Ohio 43212

16. Subcontract under Research Foundation Project No. 3494-A1, Modification No. 1. "Study of Toxic and Teratogenic Effects of GRAS Substances Injected into Chicken Embryo." Deletion of certain words in paragraph (a) of Article IV and substitution of new Exhibit I, under "Scope of Work." No new funds involved.  
John A. Shadduck, D.V.M., Ph.D., Department of Pathology

Pfizer, Inc.  
Eastern Point Road  
Groton, Connecticut 06340

17. Research Grant  
"Double-Blind Comparative Study of Tibric Acid and Placebo in Patients with Type IV Hyperlipidemia (Endogenous Hypertriglyceridemia)." Protocol to study effects of a pharmaceutical.  
Marvin Siperstein, M.D., Ph.D., Department of Internal Medicine  
March 1, 1973 through April 30, 1974  
\$65,952.00

Pharmaceutical Manufacturers  
Association Foundation, Inc.  
1155 Fifteenth Street, N.W.  
Washington, D.C. 20005

18. Training Grant  
"Medical Student Traineeships in Clinical Pharmacology" award for Anthony C. Jung under the sponsorship of Dr. William A. Pettinger, Department of Pharmacology  
\$1,000.00
19. Training Grant  
"Medical Student Traineeships in Clinical Pharmacology" award for Stephen Brooks under the sponsorship of Dr. William A. Pettinger, Department of Pharmacology  
\$1,000.00

The Upjohn Company  
Kalamazoo, Michigan 49001

20. Research Grant  
Additional support for the evaluation of U-10,858, Protocol 706. A drug study.  
Dr. William A. Pettinger, Department of Pharmacology  
\$5,000.00

GRANTS, CONTRACTS AND AGREEMENTS (STATE)DALLAS MEDICAL SCHOOL

21. Interagency Cooperation Contract IAC(72-73)-1143 whereby the Dallas Medical School agrees to provide medical screening of certain individuals for Texas State Department of Health for the period March 27, 1973 through August 31, 1973, for an amount not to exceed \$12,896.96. This contract will be under the direction of Dr. Thomas Moore, Department of Pediatrics.

## THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

## FEDERAL CONTRACTS AND GRANTS

BOARD OF REGENTS MEETING - JUNE 1, 1973

DALLAS HEALTH SCIENCE CENTER

Veterans Administration Hospital  
4500 South Lancaster Road  
Dallas, Texas 75216

1. Contract No. V549P-592  
Agreement whereby the Dallas Health Science Center agrees to provide radiation therapy for Veterans Administration patients on a temporary basis. This service will be under the direction of Dr. F. J. Bonte, Department of Radiology. This contract is retroactive to February 26, 1973 and estimated contract period will be approximately six (6) months. Cost reimbursement to UTHSC shall be \$20 per day per patient with cost for cases requiring radium implantation determined on an individual basis.

DALLAS ALLIED HEALTH SCIENCES SCHOOL

Department of Health, Education and Welfare  
Public Health Service

2. Training Grant 5 D01 AH50465-02  
"Allied Health Professions Special Improvement Program Award for Education." A continuation grant.  
John W. Schermerhorn, Ph.D., Dean  
July 1, 1973 through June 30, 1974  
\$8,223.00  
Dallas County
3. Training Grant 5 D01 AH50632-02  
"Allied Health Professions Special Improvement Program Award for Health Care Administration." A continuation grant.  
John W. Schermerhorn, Ph.D., Dean  
July 1, 1973 through June 30, 1974  
\$11,994.00  
Dallas County

DALLAS MEDICAL SCHOOL

Department of Defense  
National Aeronautics and Space Administration

4. Contract No. NGR 44-012-003, Supplement No. 10  
"The Study of the Influence of Zero-Gravity on Human Cells."  
Continuation of study of human cell cultures in space.  
Dr. P. O'B. Montgomery, Jr. and Dr. Joseph S. Paul,  
Department of Pathology  
Extends period of performance to March 31, 1974  
\$38,000.00 additional support  
Dallas County

Department of Defense  
Aerospace Medical Division (AFSC)  
Brooks Air Force Base, Texas

5. Modification to Contract No. F41609-68-C-0028  
This change order adds paragraph C to "Part II - Delivery of Reports, Inspection and Acceptance" which has to do with excess government property. No new funds involved.  
Dallas County

## FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare  
Public Health Service

6. Research Grant 5 R01 AM02700-15  
"The Glucoregulatory Peptide Hormones." Continuation of previous work on glucagon and related substances.  
Roger H. Unger, M.D., Department of Internal Medicine  
January 1, 1973 through December 31, 1973  
\$44,365.00  
Dallas County
7. Contract No. N01-HD-2-2756; NIH-NICHD-72-2756, Modification No. 1  
"Estrogen Studies in Postmenopausal Women." This contract modification provides additional funds and extends period of contract.  
Dr. Paul MacDonald, Department of Obstetrics and Gynecology  
June 15, 1973 through June 14, 1975  
\$215,000.00  
Dallas County
8. Research Grant 5 R01 HL08771-10  
"Circulatory Changes and Fluid Volumes in Burns." Clinical study of burn cases in regard to fluid volume and shock.  
A continuation grant.  
Charles R. Baxter, M.D., Department of Surgery  
April 1, 1973 through March 31, 1974  
\$30,596.00  
Dallas County
9. Research Grant 06-H-000079-06-0  
"Dallas Children and Youth Project." Budget Revision No. 3.  
Dr. Heinz F. Eichenwald, Department of Pediatrics  
April 1, 1972 through March 31, 1973  
No new funds involved.  
Dallas County
10. Development Award-Research Career Program  
Grant No. 5 KO4 HD46345-04  
"Membrane Biogenesis in Mammalian Growth." Continuation grant.  
Awardee - Dr. Charles E. Mize  
Dr. Heinz F. Eichenwald, Department of Pediatrics  
May 1, 1973 through April 30, 1974  
\$25,000.00  
Dallas County
11. Research Grant 5 R01 AM16061-02  
"Theoretical and Therapeutic Aspects of Calcification."  
Basic chemical changes underlying osteoporosis and renal stone formation. A continuation grant.  
Charles Y. C. Pak, M.D., Department of Internal Medicine  
May 1, 1973 through April 30, 1974  
\$51,013.00  
Dallas County
12. Research Grant 5 R01 AM13443-05  
"Studies on the Enzymes of Methylamine Metabolism." Basic biochemistry study of enzymes of a strain of bacteria.  
Louis B. Hersch, Ph.D., Department of Biochemistry  
May 1, 1973 through April 30, 1974  
\$19,737.00  
Dallas County

## FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare  
Public Health Service - continued

13. Health Services Grant - C&Y Project #647  
Project Identification No. 06-H-000079-07-0  
"Dallas Children and Youth Project." A continuation grant.  
Heinz F. Eichenwald, M.D., Department of Pediatrics  
April 1, 1973 through June 30, 1973  
\$176,100.00  
Dallas County
  
14. Maternal and Child Health Service Training and Study  
Project No. 2000 (formerly 12 HS 328)  
"Diagnostic and Evaluation Center." Budget Revision No. 2.  
Dr. Doman K. Keele, Department of Pediatrics  
July 1, 1972 through June 30, 1973  
\$200,154.00  
Dallas County
  
15. Research Grant 5 R01 GM19036-05  
"Regulation of Microbial Oxidation Reactions." Basic study  
of biochemical control of oxidation processes in a bacterium.  
Continuation grant.  
Julian A. Peterson, Ph.D., Department of Biochemistry  
April 1, 1973 through March 31, 1974  
\$21,080.00  
Dallas County
  
16. Research Grant 5 R01 AM16194-02  
"Structure and Function of Phosphofructokinase." Study of  
basic molecular structure of enzyme in muscle, liver and  
erythrocytes.  
Kosaku Uyeda, Ph.D., Department of Biochemistry  
May 1, 1973 through April 30, 1974  
\$22,424.00  
Dallas County

## THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

## AMENDMENTS TO THE 1972-73 OPERATING BUDGET

BOARD OF REGENTS MEETING - JUNE 1, 1973

DALLAS HEALTH SCIENCE CENTEROffice of Student Affairs

1. Transfer funds in the amount of \$1,500 from Unallocated Maintenance and Operation to Office of Student Affairs Maintenance and Operation. Additional funds are needed to fund maintenance and operation for the balance of the fiscal year. (RBC No. 252)

Office of Personnel

2. Transfer funds in the amount of \$12,500 from Personnel Administrative and Professional Salaries as follows: \$5,832 to Personnel Classified Salaries and \$6,668 to Unallocated Classified Salaries and appoint Ted E. Michael, Assistant Director of Personnel, effective March 1, 1973, at an annual salary rate of \$11,664 payable from Personnel budget. (RBC No. 270)

Receiving

3. Transfer funds in the amount of \$2,025.26 from Unallocated Classified Salaries to Receiving Classified Salaries. These funds are needed for an additional classified person and an adjustment in a present classified position for the balance of the fiscal year. (RBC No. 254)

Medical Computing Resources Center

4. Transfer funds in the amount of \$4,375 from Unallocated Classified Salaries to Medical Computing Resources Center Administrative and Professional Salaries and change the source of salary of Clair W. Goldsmith (non-tenure), Assistant Professor of Computer Science, effective February 1, 1973, as follows:

From: An annual salary rate of \$18,000 payable \$10,500 from Medical Computing Resources Center budget and \$7,500 from USPHS HE-14187,

To: An annual salary rate of \$18,000 payable from Medical Computing Resources Center budget. (RBC No. 258)

5. Transfer funds in the amount of \$4,407.43 from Unallocated Classified Salaries to Medical Computing Resources Center Classified Salaries to fund additional classified personnel. (RBC No. 276)

Extension-Postgraduate Program

6. Transfer funds in the amount of \$4,634 from Unallocated Classified Salaries to Extension-Postgraduate Program Classified Salaries to provide funds for an additional classified person. (RBC No. 271)

Physical Plant - Utilities

7. Transfer funds in the amount of \$10,000 from Utilities - M & O to Utilities Classified Salaries to provide funds for additional classified personnel and an adjustment in a present classified position for the balance of the fiscal year. (RBC No. 253)

North Texas Regional Computer Center

8. Appoint John Richard Carpenter, Acting Associate Director, effective March 1, 1973, at an annual salary rate of \$18,200 payable from North Texas Regional Computer Center Revolving Fund budget. (RBC No. 273)

## AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS HEALTH SCIENCE CENTER - continuedNorth Texas Regional Computer Center - continued

9. Change the status of Clair W. Goldsmith (non-tenure), effective March 1, 1973, as follows:

- From: Assistant Professor of Computer Science at an annual salary rate of \$18,000 payable from Medical Computing Resources Center budget,  
 To: Acting Director, North Texas Regional Computer Center, and Assistant Professor of Computer Science, at an annual salary rate of \$18,000 payable from North Texas Regional Computer Center Revolving Fund budget. (RBC No. 275)

DALLAS MEDICAL SCHOOLBiochemistry

1. Accept the resignation of James Ian Mason (non-tenure), Visiting Assistant Professor, effective March 31, 1973. Dr. Mason is budgeted at an annual salary rate of \$14,000 payable from USPHS 5 P11 GM-16488. (RBC No. 266)

Cell Biology

2. Transfer funds in the amount of \$6,250 from Unallocated Faculty Salaries to Cell Biology Teaching Salaries and change the source of salary of Grover C. Ericson (non-tenure), Assistant Professor, effective April 1, 1973, as follows:

- From: An annual salary rate of \$15,000 payable from USPHS 5 E03 PE-00174,  
 To: An annual salary rate of \$15,000 payable from Cell Biology budget. (RBC No. 280)

3. Transfer funds in the amount of \$7,236 from Unallocated Faculty Salaries to Cell Biology Teaching Salaries and change the source of salary of Frederick Grinnell (non-tenure), Assistant Professor, effective March 1, 1973, as follows:

- From: An annual salary rate of \$15,000 payable \$11,534 from USPHS 5 E03 PE-00174 and \$3,466 from National Science Foundation,  
 To: An annual salary rate of \$15,000 payable \$14,472 from Cell Biology budget and \$528 from National Science Foundation. (RBC No. 277)

4. Transfer funds in the amount of \$7,236 from Unallocated Faculty Salaries to Cell Biology Teaching Salaries and change the source of salary of Vernon K. Miyamoto (non-tenure), Assistant Professor, effective March 1, 1973, as follows:

- From: An annual salary rate of \$15,000 payable \$11,534 from USPHS 5 E03 PE-00174 and \$3,466 from National Science Foundation,  
 To: An annual salary rate of \$15,000 payable \$14,472 from Cell Biology budget and \$528 from National Science Foundation. (RBC No. 278)

5. Transfer funds in the amount of \$538.43 from Unallocated Faculty Salaries to Cell Biology Teaching Assistants Salaries and appoint John J. LeMasters (non-tenure), Teaching Assistant, for the period February 12, 1973 thru May 6, 1973 at an annual salary rate of \$6,500. (RBC No. 262)

## AMENDMENTS TO THE 1972-'73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedInternal Medicine

6. Change the source of salary of John M. Dietschy (tenure), Professor, effective March 1, 1973, as follows:

From: An annual salary rate of \$34,000 payable \$16,600 from Internal Medicine budget, \$9,000 from USPHS 5 T01 AM-05490, \$5,400 from USPHS 5 R01 HE-09610 and \$3,000 from USPHS 1 R01 AM-16386,

To: 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.  
(RBC No. 269)

Microbiology

7. Transfer funds in the amount of \$5,749.98 from Unallocated Faculty Salaries to Microbiology Teaching Salaries and change the status of Ulrich Karl Melcher (non-tenure), effective March 1, 1973, as follows:

From: Postdoctoral Fellow at an annual salary rate of \$9,500 payable from Microbiology Classified Salaries budget,

To: Teaching Associate at an annual salary rate of \$11,500 payable from Microbiology Faculty Salaries budget.  
(RBC No. 267)

Obstetrics and Gynecology

8. Transfer funds in the amount of \$7,500 from Unallocated Faculty Salaries to Obstetrics and Gynecology Teaching Salaries and change the source of salary of Uel Crosby (non-tenure), Associate Professor, effective April 1, 1973, as follows:

From: An annual salary rate of \$28,000 payable \$10,000 from Obstetrics and Gynecology Teaching Salaries and \$18,000 from USPHS 5 E03 PE-00174,

To: An annual salary rate of \$28,000 payable from Obstetrics and Gynecology budget. (RBC No. 283)

9. Transfer funds in the amount of \$7,500 from Unallocated Faculty Salaries to Obstetrics and Gynecology Teaching Salaries and change the source of salary of James Scott (non-tenure), Instructor, effective April 1, 1973, as follows:

From: An annual salary rate of \$18,000 payable from USPHS 5 - E03 PE-00174,

To: An annual salary rate of \$18,000 payable from Obstetrics and Gynecology budget. (RBC No. 282)

Pathology

10. Transfer funds in the amount of \$653.25 from Unallocated Faculty Salaries to Pathology Teaching Salaries and extend the appointment of William A. Meissner (non-tenure), Visiting Professor of Pathology, thru April 3, 1973. Dr. Meissner is budgeted at an annual salary rate of \$30,000 payable from Pathology budget. (RBC No. 274)

11. Transfer funds in the amount of \$6,250 from Unallocated Faculty Salaries to Pathology Teaching Salaries and change the source of salary of Joel B. Kirkpatrick (tenure), Associate Professor, effective April 1, 1973, as follows:

From: An annual salary rate of \$28,000 payable \$13,000 from Pathology budget and \$15,000 from USPHS 5 E03 PE-00174,

To: An annual salary rate of \$28,000 payable from Pathology budget. (RBC No. 281)

## AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedPathology - continued

12. Transfer funds in the amount of \$13,000.02 from Unallocated Faculty Salaries as follows: \$10,000.02 to Pathology Teaching Salaries and \$3,000.00 to Animal Resources Center Administrative and Professional Salaries and appoint John Allen Shadduck (tenure), Associate Professor of Comparative Pathology, effective March 1, 1973, at an annual salary rate of \$26,000 payable \$20,000 from Pathology budget and \$6,000 from Animal Resources Center budget. (RBC No. 268)

Pediatrics

13. Transfer funds in the amount of \$9,319.02 from Unallocated Faculty Salaries to Pediatrics Teaching Salaries and change the source of salary of Amy Talbot (non-tenure), Assistant Professor of Pediatrics and Psychology, effective March 1, 1973, as follows:

From: An annual salary rate of \$18,638 payable from USPHS 06-H-000,079,

To: An annual salary rate of \$18,638 payable from Pediatrics budget. (RBC No. 260)

Physiology

14. Transfer funds in the amount of \$3,500 from Unallocated Faculty Salaries to Physiology Teaching Salaries and change the source of salary of David A. Monner (non-tenure), Instructor, effective February 1, 1973, as follows:

From: An annual salary rate of \$12,000 payable \$6,000 from Physiology budget and \$6,000 from National Science Foundation,

To: An annual salary rate of \$12,000 payable from Physiology budget. (RBC No. 263)

15. Transfer funds in the amount of \$2,333.31 from Unallocated Faculty Salaries to Physiology Teaching Salaries and change the source of salary of Raul Orias (non-tenure), Assistant Professor, effective February 1, 1973, as follows:

From: An annual salary rate of \$16,000 payable \$12,000 from Physiology budget and \$4,000 from USPHS 5 R01 AM 14476,

To: An annual salary rate of \$16,000 payable from Physiology budget. (RBC No. 265)

16. Transfer funds in the amount of \$6,125.00 from Unallocated Faculty Salaries to Physiology Teaching Salaries and change the source of salary of Pavel Illner (non-tenure), Associate, effective February 1, 1973, as follows:

From: An annual salary rate of \$10,500 payable from USPHS AM 10073,

To: An annual salary rate of \$10,500 payable from Physiology budget. (RBC No. 264)

Psychiatry

17. Transfer funds in the amount of \$4,583.35 from Unallocated Faculty Salaries to Psychiatry Teaching Salaries and change the source of salary of Alvin J. North (tenure), Professor of Neurology and Psychology, effective April 1, 1973, as follows:

From: An annual salary rate of \$23,700 payable \$9,200 from Psychiatry budget, \$1,000 from USPHS 5 T01 MH-06777, \$1,500 from USPHS 2 T02 MH-10208, \$1,000 from Psychiatry Clinic and \$11,000 from USPHS 5 E03 PE-00174,

To: An annual salary rate of \$23,700 payable \$20,200 from Psychiatry budget, \$1,000 from USPHS 5 T01 MH-06777, \$1,500 from USPHS 2 T02 MH-10208 and \$1,000 from Psychiatry Clinic. (RBC No. 284)

## AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedPsychiatry - continued

18. Appoint Paul Henry Chesmore (non-tenure), Clinical Assistant Professor in Psychology, 20%, for the period February 1, 1973 thru June 30, 1973, at an annual salary rate of \$18,000 payable from USPHS 5 T02 MH 10208. (RBC No. 256)

19. Appoint Irwin Gadol (non-tenure), Clinical Assistant Professor in Psychology, 20%, for the period February 1, 1973 thru June 30, 1973, at an annual salary rate of \$18,000 payable from USPHS 5 T02 - MH 10208. (RBC No. 261)

Surgery

20. Transfer funds in the amount of \$10,833.35 from Unallocated Faculty Salaries to Surgery Teaching Salaries and change the source of salary of Jack P. Gunter (tenure), Associate Professor of Otolaryngology and Chairman of Division of Otolaryngology, effective April 1, 1973, as follows:

From: An annual salary rate of \$27,000 payable \$1,000 from Surgery budget and \$26,000 from USPHS 5 E03 PE-00174,  
To: An annual salary rate of \$27,000 payable from Surgery budget. (RBC No. 285)

DALLAS ALLIED HEALTH SCIENCES SCHOOLNutrition and Dietetics

1. Change the name of Joan V. Fawns (non-tenure), Instructor, to Joan V. (Fawns) Whitson, effective March 3, 1973. Mrs. Whitson is budgeted at an annual salary rate of \$9,900 payable from Nutrition and Dietetics budget. (RBC No. 272)

Medical Technology

2. Transfer funds in the amount of \$2,370 from Unallocated Faculty Salaries to Medical Technology Faculty Salaries and appoint Linda Sue Grona (non-tenure), Adjunct Assistant Instructor in Medical Technology, 50%, effective March 1, 1973, at an annual salary rate of \$9,480 payable from Medical Technology budget. (RBC No. 279)

## THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

GALVESTON, TEXAS

May 1, 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 eleven (11) pages, for your approval and presentation to the Board of Regents at its meeting on June 1, 1973.

Sincerely yours,

  
T. G. Blocker, Jr., M.D.  
President

TGBjr:mm  
attachment

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON  
INSTITUTIONAL DOCKET

D O F

BOARD OF REGENTS' MEETING JUNE 1, 1973

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is respectfully requested for the acceptance of the following grants:

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. Wyeth Laboratories Philadelphia, Pa.	Support for the continuation of a research project entitled Study of Norgestrel and Ethinyl Estradiol. The project is directed by Dr. Sidney A. Smith, Assistant Professor, Department of Obstetrics and Gynecology. (This is reported as an extension of a previous grant, previously docketed - Board of Regents' Minutes of March 16, 1972, Item #12, Page G-5.)	\$ 4,875.00
2. Esso Research and Engineering Company P. O. Box 3950 Baytown, Texas	Memorandum of Agreement which provides a grant for support of research on Investigations of Petroleum-Based Vector Control Agents for the period April 1, 1973, through December 31, 1973. The project is directed by Dr. Don W. Micks, Professor and Chairman, Department of Preventive Medicine and Community Health. (This is reported as an extension of a previous grant, previously docketed - Board of Regents' Minutes of July 21, 1972, Item #3, Page G-3).	\$14,685.00

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONFEDERAL CONTRACTS AND GRANTSBOARD OF REGENTS' MEETING JUNE 1, 1973

1. Department of Health, Education, and Welfare  
National Institutes of Health  
National Heart and Lung Institute

Research Grant No. 5 R01 HL 13639-03  
\$34,268 plus indirect costs  
February 1, 1973 through January 31, 1974  
Factors Altering the Course of Myocardial Dysfunction. This project is designed to study the effect of corrective intervention, exercise and the use of drugs on myocardial function and recovery.  
Dr. John F. Williams, Jr.  
This is the third year of a continuing project.  
Galveston County

2. Department of Health, Education, and Welfare  
National Institutes of Health  
National Heart and Lung Institute

Research Grant No. 5 R01 HL 14530-02  
June 1, 1971 through May 31, 1974  
Fluid Dynamics of Cardiac Valvular Action. This project is to study the hydrodynamics of various heart valves.  
Dr. Richard T. Padula  
Extension of project period for one additional year.  
Galveston County

3. Department of Health, Education, and Welfare  
National Institutes of Health  
National Heart and Lung Institute

Research Grant No. 5 R01 HL 14531-02  
June 1, 1971 through May 31, 1974  
Autogenic Cardiac Valvular Replacements. This project is designed to develop a valve replacement which will function satisfactorily and can be used in the treatment of valvular heart disease in humans.  
Dr. Richard T. Padula  
Extension of the project period for one additional year.  
Galveston County

4. Department of Health, Education, and Welfare  
National Institutes of Health  
National Institute of Neurological Diseases and Stroke

Research Grant No. 5 R01 NS 09743-04  
\$27,458 plus indirect costs  
May 1, 1973 through April 30, 1974  
Synaptic Connections of Spinal Cord Neurons. The aim of this research is the further elucidation of the functional organization of the vertebrate spinal cord.  
Dr. William D. Willis, Jr.  
This is the fourth year of a continuing project.  
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

5. Department of Health, Education, and Welfare  
National Institutes of Health  
National Institute of Neurological Diseases and Stroke
- Research Grant No. 1 KO4 NS 70613-01  
\$20,500  
July 1, 1973 through June 30, 1974  
Development Award - Research Career Program for Dr. James S. Blankenship  
Dr. Stewart Wolf  
This is the first year of a five year project.  
Galveston County
6. Department of Health, Education, and Welfare  
Health Services and Mental Health Administration  
National Institute for Occupational Safety and Health
- Modification No. 1 to Contract No. HSM 99-72-12  
February 4, 1972 through February 22, 1973  
Contract for Symposium on Occupational Osteonecrosis in Divers  
Dr. Edward L. Beckman  
This modification extends delivery schedule to February 22, 1973  
and modifies payment schedule.  
Galveston County
7. Department of Health, Education, and Welfare  
National Institutes of Health  
National Eye Institute
- Research Grant No. 5 R01 EY 00919-02  
\$15,444 plus indirect costs  
May 1, 1973 through April 30, 1974  
Pathogenesis of Ocular Toxocariasis. This is a study of the  
pathogenesis of *toxocara canis* infection with emphasis on the  
development and distribution of lesions in the eye.  
Dr. Leroy J. Olson  
This is the second year of an on-going project.  
Galveston County
8. Department of Health, Education, and Welfare  
National Institutes of Health  
Bureau of Health Manpower Education
- Modification No. 1 to Contract No. NIH 72-4391 (N01 MB 24391)  
September 30, 1972 through September 30, 1977  
Area Health Education Center. This contract establishes cooperative  
educational programs in the health sciences with several colleges  
and health facilities in Central and South Texas.  
Dr. Richard F. Timmer  
This modification covers technical amendments to contract.  
Galveston, Webb, Hidalgo, Nueces, Bell, Duval, Jim Wells, San Patricio,  
Refugio, Kleberg, Kenedy, Brooks, Jim Hogg, Zapata, Starr, Willacy,  
Cameron, San Saba, Lampasas, Coryell, McLennan, Limestone, Freestone,  
Falls, Burnet, Llano, Milam and Williamson Counties.

FEDERAL CONTRACTS AND GRANTS - continued

9. Department of Health, Education, and Welfare  
Bureau of Health Manpower Education  
Division of Allied Health Manpower
- Research Grant No. 5D04 AH 01109-08  
\$29,751 plus indirect costs  
July 1, 1973 through June 30, 1974  
Strengthening Training in Community Health  
Dr. Don W. Micks  
This is the 8th year of a continuing project.  
Galveston County
10. Department of Health, Education, and Welfare  
National Institutes of Health  
National Institute of Allergy and Infectious Diseases
- Modification No. 2 to Contract No. NIH 70-2101 (N01 A1 02101)  
May 27, 1970 through October 26, 1973  
Study of Cholera Toxoids in Human Volunteers  
Dr. Willard F. Verwey  
This modification covers technical amendments to the contract  
and extends the performance period through October 26, 1973.  
Galveston County
11. Department of Health, Education, and Welfare  
National Institutes of Health  
National Cancer Institute
- Research Grant No. 2 R10 CA 03096-16 (REVISED)  
\$58,199 plus indirect costs  
January 1, 1973 through December 31, 1973  
Southwestern Cancer Chemotherapy Study Group. This is a  
national collaborative project to study the effect of new  
drugs on cancer.  
Dr. William C. Levin  
Galveston County
12. National Science Foundation
- Research Grant No. GX-37851  
\$53,600  
March 15, 1973 through August 31, 1975  
Physiological Effects of the Water Soluble Hydrocarbons on  
Marine Invertebrates. This research is to develop bioassay  
techniques for evaluating the various fractions of hydrocarbons.  
Dr. James S. Kittredge  
This is a new research project.  
Galveston County
13. National Aeronautics and Space Administration
- Modification No. 3S to Contract No. NAS 9-13143  
August 7, 1972 through April 9, 1973  
Passive Lunar Seismic Experiment. This contract provides  
technical support to NASA in evaluating seismic data on  
moonquakes.  
Dr. Gary V. Latham  
This modification provides government furnished equipment  
to Contractor.  
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

## 14. National Aeronautics and Space Administration

Modification No. 4S to Contract No. NAS 9-13143  
\$432,752

August 7, 1972 through October 31, 1974

Passive Lunar Seismic Experiment. This contract provides technical support to NASA in evaluating seismic data on moonquakes.

Dr. Gary V. Latham

This modification extends the performance period through October 31, 1974 and provides additional funds in the amount of \$432,752, making total estimated cost of contract \$572,057.  
Galveston County

## 15. National Aeronautics and Space Administration

Modification No. 5C to Contract No. NAS 9-13143

August 7, 1972 through April 9, 1973

Passive Lunar Seismic Experiment. This contract provides technical support to NASA in evaluating seismic data on moonquakes.

Dr. Gary V. Latham

This modification covers change in name of Issuing Agency.  
Galveston County

## 16. National Aeronautics and Space Administration

The Board of Trustees of the Leland Stanford Junior University

Stanford University Subcontract No. PR 1658 under  
NASA Contract No. NAS 9 5632

\$5,250

March 1, 1973 through June 15, 1973

This is a subcontract for the Seismic Profiling Experiment for Apollo Lunar Surface Experiment Package (ALSEP). The University of Texas Medical Branch will analyze data for this project.

Dr. Joel S. Watkins

This is a new award.  
Galveston County

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONAMENDMENTS TO THE 1972-73 OPERATING BUDGETBOARD OF REGENTS' MEETING JUNE 1, 1973INSTRUCTION AND DEPARTMENTAL OPERATIONSOffice of Research in Medical Education

1. Accept the resignation of Dr. Robert A. Plunkett, Research Associate - Research Medical Education (part-time), without salary, effective February 28, 1973. (RBC 429)

Anesthesiology

2. Appoint Dr. Richard L. Waldron (Non-Tenure) as Clinical Assistant Professor (part-time), without salary, effective April 1, 1973. (RBC 446)

Neurology and Psychiatry

3. Appoint Mrs. Margaret D. Sheely (Non-Tenure) as Faculty Associate at a salary rate of \$15,000 for twelve months, effective March 1, 1973. Funds needed are to come from AHEC Grant NIH-72-4118. (RBC 450)

Obstetrics and Gynecology

4. Increase the salary of Dr. Charles E. Fougousse (Non-Tenure), Clinical Assistant Professor (part-time), from \$636 to \$660 for twelve months, effective March 1, 1973. Additional funds needed are to come from MSRDP - Obstetrics and Gynecology. This increase is requested because of increase in insurance premiums. (RBC 443)

Ophthalmology

5. Appoint Dr. Donald L. Hall (Non-Tenure) as Clinical Instructor (part-time), without salary, effective February 1, 1973. (RBC 437)

Pediatrics

6. Accept the resignation of Dr. Keith W. Ashcraft (Non-Tenure), Assistant Professor (part-time), without salary, effective February 28, 1973. (RBC 426)

Pharmacy

7. Increase the salary rate of Mr. Michael D. Ellis, Associate Director of Poison Control Center (one-half time) from \$12,600 to \$13,200 for twelve months, effective March 1, 1973. Additional funds needed are to come from Unallocated Appropriations - Hospitals. (RBC 423)

Physiology

8. Change the status of Dr. James R. Walker (Non-Tenure), Assistant Professor, from part-time, without salary, to full-time at a salary of \$17,500 for twelve months, effective January 1, 1973. Funds needed are to come from DHEW Grant 5E03-PE-00170-07. (RBC 425)

Pharmacology

9. Change the status of Dr. Bohdan R. Nechay (Tenure), Associate Professor, from Leave of Absence, without salary, to full-time at a salary rate of \$21,500 for twelve months, effective April 1, 1973. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 441)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedSurgery

10. Change the status of Dr. Albert O. Singleton, Jr. (Tenure), Associate Professor, from full-time at a salary rate of \$20,000 to part-time at a salary of \$8,000 for twelve months, effective March 1, 1973. Dr. Singleton also serves as Associate Professor (part-time) at a salary of \$12,000 in School of Allied Health Sciences - Health Care Sciences. Total salary for twelve months, \$20,000. (RBC 433)
11. Appoint Dr. Isadore V. Epstein (Non-Tenure) as Clinical Assistant Professor (part-time), without salary, effective March 15, 1973. (RBC 436)
12. Delete the name of Dr. Benjamin J. Nasits (Non-Tenure), Clinical Instructor (part-time), without salary, effective January 19, 1973, the date of his death. (RBC 439)

School of Allied Health Sciences -  
Office of the Dean

13. Appoint Mrs. Valentina M. Remig (Non-Tenure) as Instructor (part-time) at a salary rate of \$8,250 for twelve months, effective March 1, 1973. Funds needed are to come from NIH Grant 72-4391. (RBC 435)
14. Change the title only of Mr. James D. Spitler from Assistant to the Dean of Allied Health Sciences to Assistant to the Dean of Allied Health Sciences and Instructor at the same salary rate of \$15,200 for twelve months, effective November 1, 1972. (RBC 442)
15. Appoint Mrs. Shirley J. Carr as Assistant Program Director (part-time) at a salary of \$15,996 for twelve months, effective March 16, 1973. Funds needed are to come from AHEC Grant NIH-72-4391. Mrs. Carr also serves as Instructor (part-time) at a salary of \$1,284 in School of Allied Health Sciences - Occupational Therapy. Total salary for twelve months, \$17,280. (RBC 448)

School of Allied Health Sciences -  
Health Care Sciences

16. Appoint Dr. Albert O. Singleton, Jr. (Tenure) as Associate Professor (part-time) at a salary of \$12,000 for twelve months, effective March 1, 1973. Funds needed are to come from NIH Grant 72-4118. Dr. Singleton also serves as Associate Professor (part-time) at a salary of \$8,000 in the Department of Surgery. Total salary for twelve months, \$20,000. (RBC 434)

School of Allied Health Sciences -  
Occupational Therapy

17. Accept the resignation of Mr. Patrick J. Ryan (Non-Tenure), Assistant Professor (part-time) at a salary of \$6,552 for twelve months, effective March 30, 1973. (RBC 444)
18. Change the status of Miss Beryl Dulson (Non-Tenure), Instructor, from one-fourth time at a salary rate of \$10,440 to three-fifths time at a salary rate of \$10,920 for twelve months, effective April 2, 1973. Additional funds needed are to come from the departmental teaching salaries budget. (RBC 445)
19. Appoint Mrs. Shirley J. Carr as Instructor (part-time) at a salary of \$1,284 for twelve months, effective March 16, 1973. Funds needed are to come from the departmental teaching salaries budget. Mrs. Carr also serves as Assistant Program Director (part-time) at a salary of \$15,996 in School of Allied Health Sciences - Office of the Dean. Total salary for twelve months, \$17,280. (RBC 449)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedSchool of Allied Health Sciences -  
Physical Therapy

20. Appoint Mrs. Patricia A. Winkler as Adjunct Instructor (part-time), without salary, effective February 15, 1973. (RBC 440)

THE MARINE BIOMEDICAL INSTITUTE  
The Marine Biomedical Institute

21. Appoint Mr. Archie C. Roberts as Research and Development Engineer at a salary rate of \$20,000 for twelve months, effective March 1, 1973. Funds needed are to come from the Henry L. and Grace Doherty Foundation, Inc., Grant. (RBC 438)

Texas Tektite Project

22. Change the status of Mr. Michael C. Gianturco, Scientific Documentation Officer, from one-half time to full-time at the same salary rate of \$13,200 for twelve months, effective March 1, 1973. Funds needed are to come from the departmental non-teaching salaries budget. (RBC 454)

LIBRARIESMedical Branch Library

23. Appoint Mr. Norris K. Maxwell as Assistant Librarian - Faculty Associate at a salary rate of \$14,500 for twelve months, effective February 1, 1973. Funds needed are to come from the departmental non-teaching salaries budget. (RBC 424)

TRANSFER OF FUNDS

24. From: Unallocated Appropriations - Instructional \$ 8,978.76

To: Otolaryngology:  
Classified Salaries \$ 8,978.76

For: This transfer will provide funds for the change in source of funds, effective February 1, 1973, for the following positions:

One (1) Histology Technician I (part-time) at a salary of \$3,788;  
One (1) Animal Attendant I at a salary rate of \$4,692; and  
One (1) Laboratory Technical Assistant II at a salary rate of \$6,912.

(RBC 427)

25. From: Unallocated Appropriations - Instructional \$ 4,164.00

To: Office of Research in Medical Education:  
Classified Salaries \$ 4,164.00

For: This transfer will provide funds for the creation of a new position of Administrative Assistant I at a salary rate of \$8,328 for twelve months, effective March 1, 1973.

(RBC 451)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

26. From: School of Allied Health Sciences -  
Occupational Therapy:  
Maintenance and Operation \$ 400.00

To: School of Allied Health Sciences -  
Occupational Therapy:  
Travel \$ 400.00

For: This transfer will provide funds for travel to AOTA Midyear Meeting of Occupational Therapy Educators, Washington, D. C., in April, 1973 and for expenses incurred for Summer Clinical Affiliation visits in conjunction with senior students.

(RBC 453)

27. From: Unallocated Appropriations - Hospitals \$ 16,000.00

To: Blood Bank:  
Maintenance and Operation \$ 16,000.00

For: This transfer is requested due to unforeseen expenditures related to the new Hepatitis Associated Antigen Test and increased purchase of blood from commercial sources due to a decline in blood supply from the Texas Department of Corrections.

(RBC 432)

28. From: Unallocated Appropriations - Hospitals \$ 5,963.51

To: Housekeeping:  
Classified Salaries \$ 5,963.51

For: This transfer of funds will provide funds for the creation of the three (3) following positions, effective March 20, 1973:  
Two (2) Custodial Worker I positions at a salary rate of \$4,296;  
One (1) Custodial Worker II position at a salary rate of \$4,692.  
These positions are for the new Administration Building.

(RBC 447)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

29. From: Publications:

Maintenance and Operation
Equipment
Travel

\$ 4,940.00
950.00
250.00
<u>\$ 6,140.00</u>

To: Educational Television:
Classified Salaries

\$ <u>6,140.00</u>
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For: This transfer will provide funds for the change in source of funds for a Television Technical Supervisor at a salary rate of \$14,736 for twelve months, effective April 1, 1973.

(RBC 452)

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER  
AT HOUSTON  
1100 HOLCOMBE BOULEVARD  
TEXAS MEDICAL CENTER

OFFICE OF THE PRESIDENT

May 3, 1973

P.O. BOX 20036  
HOUSTON, TEXAS 77025

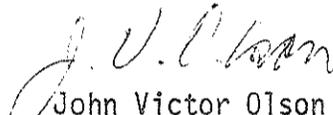
Dr. Charles A. LeMaistre, Chancellor  
The University of Texas System  
601 Colorado Street  
Austin, Texas 78701

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 June 1, 1973.

The Health Science Center at Houston docket consists of six (6) pages.

Sincerely,

  
John Victor Olson  
Acting President

JVO:sh

## THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

## DOCKET

Board of Regents Meeting June 1, 1973

F

CHANGES TO FACULTY (WITHOUT SALARY AND WITHOUT TENURE): Approval is respectfully requested for the following changes which have been recommended by the appropriate Dean amending the membership of the faculty of the Institution as listed below:

Houston Dental BranchAdditions:

- Dr. Charles E. Derrick, Jr. - Clinical Instructor in the Department of General Practice, effective April 1, 1973.
- Dr. Jess C. Galbreath - Clinical Assistant Professor in the Department of Medicine (Roentgenology), effective March 1, 1973.
- Dr. Onnie R. Koski - Clinical Associate Professor in the Department of Medicine (Periodontics), effective April 1, 1973.

GIFTS: Approval is respectfully requested for the following gifts:

Houston Medical School

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. Houston Endowment, Inc. P. O. Box 52338 Houston, Texas 77052 Mr. J. H. Creekmore, President	To assist in the renovation of the third floor of the Shriners Hospital for Crippled Children for the purpose of providing headquarters for the Clinical Genetics Unit of the Houston Medical School.	\$20,000.00
2. Mark Schwarz Fund 1515 Bank of the Southwest Building Houston, Texas 77002 Law Offices of Lieberman and Komiss Mr. Seymour Lieberman	To support a fellowship in Cardiology training at the Houston Medical School, Program of Internal Medicine.	\$ 5,000.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is respectfully requested for the following grant and agreement:

Houston Dental Branch

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. The Rockefeller Foundation 111 West 50th Street New York, New York 10020 Mr. J. Kellum Smith, Jr., Secretary	Allocation to establish the Rockefeller Foundation Fund to be used for partial salary support and expenses for Dr. Edwin L. Smith, Department of Physiology (Physiology) to be assigned to the Mahidol University in Bangkok, Thailand, for the period June 1, 1973, through May 31, 1974.	\$30,089.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) (Continued)Houston Graduate School of Biomedical SciencesDivision of Continuing Education

Affiliation Agreement: The following agreement has been approved by the Dean and the Director of the Regional Medical Program of Texas. Approval and ratification of the signatures is recommended.

1. Agreement between the Texas Regional Medical Program, Incorporated, Grantee, and The University of Texas Graduate School of Biomedical Sciences at Houston, Affiliated Agency, whereby the Affiliated Agency agrees to comply with rules, regulations or policies of the Public Health Service Act, Title IX, and certain regulations and policies adopted by the Regional Medical Program of Texas for the period January 1, 1973, through December 31, 1973. This agreement may be terminated by either party on ninety days prior written notice.

400  
/

## THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)  
Board of Regents Meeting June 1, 1973

Approval is respectfully requested for the acceptance of the following grants and contracts:

Houston Medical School

1. Grant No. 5 R01 GM19494-02 BIO, by which the Department of Health, Education and Welfare, National Institute of General Medical Sciences, provides \$21,643.00, for the period May 1, 1973, through April 30, 1974, for the continued support of a research project entitled, "Molecular Basis of Gene Expression in Eukaryotes," directed by Dr. Stanley P. Blatt, Associate Professor in the Program of Biochemistry and Molecular Biology. The objective of this research is to study the structure, function and regulation of eukaryotic DNA-dependent RNA polymerases. The majority of expenditures from this grant will be made in Harris County.

Public Health School

1. Grant No. 5 A03 AH00516-05 NCR, by which the Department of Health, Education and Welfare, Division of Allied Health Manpower, provides \$15,877.00, for the period July 1, 1973, through June 30, 1974, for the continued support of a general purpose traineeship program directed by Dr. Reuel A. Stallones. The majority of the expenditures from this award will be made in Harris County.

2. Modification No. 5S to Contract No. NAS 9-11701, Lyndon B. Johnson Space Center, revises the contract period to September 1, 1971, through March 31, 1974, with no additional funds. This contract provides funds for studies in food safety standards and criteria and is under the direction of Dr. Leslie A. Chambers. The majority of expenditures from this contract have been made in Harris County.

3. Cost-Reimbursement Contract No. N01-NS-3-2304, by which the Department of Health, Education and Welfare, National Institute of Neurological Diseases and Stroke, provides \$118,857.00, for the period February 28, 1973, through February 27, 1974, the total project period, to support the design and carrying out of an epidemiologic survey of certain populations in Panama, to study the association of genetic and environmental factors with cerebrovascular risk. This contract is under the direction of Dr. Stephen W. Bennett. The majority of expenditures from this contract 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 June 1, 1973

Approval is respectfully requested for the following amendments to the 1972-73 budgets:

Houston Medical SchoolPediatrics

1. Change of Status: Dr. Charleen M. Moore from Research Associate to Instructor (non-tenure), at the same annual salary rate of \$12,500.00, effective January 1, 1973; funds needed are to come from the National Genetics Foundation Grant. (RBC-83)

Physiology

2. Increase in Salary: Mr. Larry Tague, Research Associate, from an annual salary rate of \$12,000.00, to an annual salary rate of \$13,000.00, effective March 1, 1973; funds needed are to come from DHEW Research Grant No. 5-R01-AA00194-02. (RBC-84)

Houston Dental BranchExtension

1. Transfer of Funds: Transfer \$7,000.00 from Unallocated Maintenance, Operation, Equipment, and Supplies to Maintenance and Operation to operate the department for the remainder of the year, based on increased activity above the original estimate. (RBC-59)

Houston Graduate School of Biomedical SciencesEducational and General

1. Reappointment: Elroy T. Cantrell, Ph.D., as Research Associate at an annual salary rate of \$12,000.00, effective April 1, 1973; funds needed are to come from Reserve for Professional Salaries Account. (RBC-32)

Public Health SchoolDisease Control

1. Resignation: Paul H. Rodriguez, Ph.D., Assistant Research Biologist, at an annual salary rate of \$15,000.00, effective March 31, 1973, inclusive. (RBC-105)

2. Appointment: Jacqueline V. Graham, L.V.N., as Research Associate (50% T.) at an annual salary rate of \$7,200.00, effective March 26, 1973; funds needed are to come from Contract NIH-NHLI-71-2156. (RBC-114)

Environmental Health

3. Resignation: Jane L. Valentine, Ph.D., Research Associate (80% T.) at an annual salary rate of \$9,000.00, effective April 11, 1973, inclusive. (RBC-113)

Public Health School (Continued)Environmental Health (Continued)

4. Change of Status: Valliant C. Baird, M.D. (non-tenure), Professor of Occupational Medicine, from (33% T.) to (7% T.) at the same annual salary rate of \$28,500.00, effective April 1, 1973. (RBC-115)

Health Services Administration

5. Appointment: Kate C. Smith, M.P.H., as Research Associate (50% T.) at an annual salary rate of \$9,000.00, for the period March 17, 1973, through June 22, 1973; funds needed are to come from Contract NIH-71-4063. (RBC-104)

6. Increase in Salary: Lynn A. Greene, B.A., Systems Analyst, from an annual salary rate of \$12,000.00, to an annual salary rate of \$12,800.00, effective March 1, 1973; funds needed are to come from Contract NIH-71-4073. (RBC-106)

7. Increase in Salary: Robert Bilgrad, M.A., Research Associate, from an annual salary rate of \$10,440.00, to an annual salary rate of \$11,140.00, effective March 1, 1973; funds needed are to come from Contract NIH-71-4063. (RBC-107)

8. Increase in Salary: Robert L. Jackson, Ph.D., Research Associate, from an annual salary rate of \$9,600.00, to an annual salary rate of \$10,250.00, effective March 1, 1973; funds needed are to come from Contract NIH-71-4063. (RBC-108)

9. Increase in Salary: Max D. Manifold, M.Ed., Vocational Counselor, from an annual salary rate of \$9,000.00, to an annual salary rate of \$9,600.00, effective March 1, 1973; funds needed are to come from Contract NIH-71-4063. (RBC-109)

10. Increase in Salary: Robert H. Winter, L.V.N., Research Associate (50% T.), from an annual salary rate of \$9,000.00, to an annual salary rate of \$9,600.00, effective March 1, 1973; funds needed are to come from Contract NIH-71-4063. (RBC-110)

11. Increase in Salary: Ronald W. Hill, B.S., Counselor (75% T.), from an annual salary rate of \$9,000.00, to an annual salary rate of \$9,600.00, effective March 1, 1973; funds needed are to come from Contract NIH-71-4063. (RBC-111)

12. Increase in Salary: James R. Hugo, B.A., Research Associate (75% T.), from an annual salary rate of \$9,000.00, to an annual salary rate of \$9,600.00, effective March 1, 1973; funds needed are to come from Contract NIH-71-4063. (RBC-112)

May 2, 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 June 1, 1973. This docket contains 100 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

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is requested for the following:

San Antonio Medical School

Parke-Davis & Company

1. Protocol 673-59  
A Study of Adenine Arabinoside in the Treatment of Herpes Simplex Epithelial Keratitis (Double Blind)  
Dr. Robert Poirier  
\$6,800.00

Mead Johnson Research Center

2. Research Grant  
Quantitative Assay of Estrogen Receptor in Breast Cancer Tissue from Patients Treated with Megestrol  
Dr. William L. McGuire  
April 1, 1973 - March 31, 1974  
\$9,500.00

J. B. Roerig Division, Pfizer Inc.

3. Grant-In-Aid 72-R-096  
Post-Operative Intravenous Antiemetic Study  
Dr. Howard L. Zauder  
\$10,000.00

GRANTS, CONTRACTS AND AGREEMENTS (OTHER): Approval is requested for the following:

San Antonio Medical School

Bexar County Hospital District

1. Bexar County Hospital District Agreement  
Outreach Clinic Professional Services - Eastside  
Dr. Ralph H. Forrester  
April 16, 1973 - December 31, 1973  
\$24,791.70

Change in Contract Previously Approved:

2. Change the amount of BCHD Contract #7 ending December 31, 1973 from \$577,006.71 to \$565,333.72.
3. Change existing Outreach Clinic Professional Services to designate it as Westside (Mirasol Courts).

City of San Antonio

4. Continued use of City of San Antonio Main Library Annex for storage of little-used books from January 1, 1973 through December 31, 1973.

THE UNIVERSITY OF TEXAS  
HEALTH SCIENCE CENTER AT SAN ANTONIO  
FEDERAL CONTRACTS AND GRANTS  
 June 1, 1973

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL): Approval is requested for the following:

San Antonio Medical School

Department of Health, Education and Welfare

National Institute of Arthritis, Metabolism & Digestive Diseases

1. Research Grant 5 R01 AM14357-04

Pathogenic Mechanisms in Chronic Nephritis

Dr. William T. Kniker

Total Award: \$21,200.00

New Money: \$21,097.00

April 1, 1973 - March 31, 1974

Activities, goals and purposes of grant:

Overall purpose is the study of immunologic mechanisms in renal disease. This year specific aims include: (1) Development of direct physical methods to measure serum immune complexes; (2) Elucidation of pathogenic mechanisms in auto-immune lung and renal disease induced by uretero-caval anastomosis in rabbits; and (3) Quantitation and characterization of glomerular basement membrane like products in urine.

Other information:

This is the final year in a 3-year (awarded) grant. A new grant, extending the work, will be applied for.

Expenditure estimates by county:

All Bexar County, Texas

United States Air Force

2. Grant AFOSR-73-2525

Factors Influencing the Control of Heart Rate in Aerospace Environments

Dr. Vernon S. Bishop and Dr. D. Fred Peterson

Total Award: \$22,757.00

New Money: \$22,757.00

June 1, 1973 - May 31, 1974

Activities, goals and purposes of grant:

This project is designed to establish the relative influence of the vagosympathetic and sympathetic nerves on the control of heart rate. Of particular importance, is the involvement of the nerves on the beat-to-beat regulation of heart rate by various reflexes.

Other information:

Overall objective is to define the neural control of the circulation in the conscious animal. This project is a part of this objective.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

## National Science Foundation

## 3. Research Grant GB-38159

Membrane Glycolipids in Plants

Dr. Alan D. Elbein

Total Award: \$36,000.00

New Money: \$36,000.00

September 1, 1973 - February 29, 1976

Activities, goals, and purposes of grant:

To study the role of various glycolipids in the function and integrity of plant membranes. This investigation will include an examination of the role of glycosyl-phosphoryl-polyprenols in the synthesis of cell wall polysaccharides and the role of steryl-glucosides in membrane rearrangement. Cotton fibers have been chosen as an excellent developing system for this study.

Other information:

The current award is within the realm investigations now going on in this laboratory.

Expenditure estimates by county:

All Bexar County, Texas

San Antonio Dental School

Department of Health, Education and Welfare

Manpower Development Branch

## Change in Grant Previously Approved:

## 1. Training Grant 5 DO6 DH05056-02

Dental Auxiliary Utilization Training

Dr. Billy E. Rigsby

Total Award: \$15,103.00

New Money: \$ 4,426.00

No additional time

Activities, goals, and purposes of grant:

Partial support of Dental Auxiliary Utilization Program in which all dental students are trained to effectively utilize a chairside dental assistant.

Other information:

Money to continue D.A.U. Program contained in proposed budget.

Expenditure estimates by county:

All Bexar County, Texas

THE UNIVERSITY OF TEXAS  
HEALTH SCIENCE CENTER AT SAN ANTONIO  
AMENDMENTS TO THE 1972-73 OPERATING BUDGET  
 June 1, 1973

REQUESTS FOR BUDGET CHANGE: Approval is requested for the following:

San Antonio Medical School

Office of the Vice President for Business Affairs

1. Increase the annual salary rate of Mr. Earl A. Siebold (non-tenure), Associate Business Manager, from \$16,500 to \$17,000, effective April 1, 1973. Funds needed for this increase to come from Unallocated Administrative and Professional Salaries. (RBC 208)

2. Increase the annual salary rate of Mr. Billy J. Barker (non-tenure), Budget Officer, from \$17,500 to \$18,000 effective April 1, 1973. Funds needed for this increase to come from Unallocated Administrative and Professional Salaries. (RBC 209)

Office of the Personnel Director

3. Increase the annual salary rate of Mr. Travis M. Fleming, Jr., (non-tenure), Personnel Director, from \$15,800 to \$16,200, effective April 1, 1973. Funds needed for this increase to come from Unallocated Administrative and Professional Salaries. (RBC 210)

Medicine

4. Change the source of funds for Dr. Miriam C. Fisher (non-tenure), Clinical Assistant Professor (60% time) at an annual salary rate of \$19,000 from BCHD Contract #7 to Teaching Salaries, effective June 1, 1973. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 201)

Psychiatry

5. Appoint Dr. David F. Briones (non-tenure) as Assistant Instructor at an annual salary rate of \$14,000 effective July 1, 1973. Funds needed for this appointment to come from DHEW Grant 5 EO3 PE00172-07. (RBC 202)

Surgery

6. Appoint Dr. John C. Cooper, Jr. (non-tenure) as Assistant Professor (without salary) effective April 1, 1973. Dr. Cooper will continue to serve as Assistant Professor (non-tenure) at an annual salary rate of \$19,000 in the Department of Physical Medicine and Rehabilitation. (RBC 203)

7. Appoint Dr. Jack R. Robison (initial request for tenure) as Associate Professor at an annual salary rate of \$28,000 effective April 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 204)

Physical Plant (General Services)

8. Increase the annual salary rate of Mr. Paul C. Crall (non-tenure), Director of Physical Plant, from \$22,000 to \$22,500 effective April 1, 1973. Funds needed for this increase to come from Unallocated Administrative and Professional Salaries. (RBC 211)

Physical Plant (University Police)

9. Increase the annual salary rate of Mr. Arthur H. Bonnet (non-tenure), Chief of Police, from \$13,000 to \$13,400, effective April 1, 1973. Funds needed for this increase to come from Unallocated Administrative and Professional Salaries. (RBC 212)

San Antonio Dental School

Diagnosis

1. Appoint Dr. Edward E. Davis (non-tenure) as Assistant Professor (50% time) at an annual salary rate of \$23,000 effective June 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. Dr. Davis will also serve as Assistant Professor (50% time) in the Department of Surgery (Oral). (RBC 27)

RECOMMENDED AMENDMENTS TO 1972-73 BUDGETS (continued)Operative

2. Appoint Dr. Jack L. Hardage (non-tenure) as Assistant Professor at an annual salary rate of \$26,000 effective June 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 26)

Surgery

3. Appoint Dr. Edward E. Davis (non-tenure) as Assistant Professor (50% time) at an annual salary rate of \$23,000 effective June 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. Dr. Davis will also serve as Assistant Professor (50% time) in the Department of Diagnosis. (RBC 28)

TRANSFER OF FUNDS:San Antonio Health Science Center

1. Amount of Transfer: \$29,921.01
- |       |   |             |
|-------|---|-------------|
| To:   | Office of News and Information -  |             |
|       | Classified Salaries   | \$ 3,618.00 |
|       | Office of the Personnel Director -  |             |
|       | Equipment   | 1,495.00    |
|       | Telephone Service - Classified  |             |
|       | Salaries  | 2,295.56    |
|       | Anatomy - Maintenance and   |             |
|       | Operation   | 12,000.00   |
|       | Anatomy - Equipment   | 2,000.00    |
|       | Microbiology - Wages  | 3,500.00    |
|       | Radiology - Classified Salaries   | 268.00      |
|       | Laboratory Animal Medicine -  |             |
|       | Classified Salaries   | 113.51      |
|       | Medical Communications -  |             |
|       | Classified Salaries   | 1,630.94    |
|       | Physical Plant (Custodial   |             |
|       | Services) - Wages   | 3,000.00    |
| From: | Microbiology - Classified   |             |
|       | Salaries  | \$ 3,500.00 |
|       | Unallocated Faculty Salaries  | 10,926.01   |
|       | Unallocated Equipment   | 15,495.00   |
| For:  | To provide funds necessary for additional personnel needed by these departments and funds for equipment and operating expenses for more effective operations. (RBC 205) |             |
2. Amount of Transfer: \$12,000.00
- |       |  |             |
|-------|--|-------------|
| To:   | Medical Communications -   |             |
|       | Maintenance and Operation  | \$ 5,000.00 |
|       | Medical Communications -   |             |
|       | Equipment  | 7,000.00    |
| From: | Unallocated Faculty Salaries   | \$12,000.00 |
| For:  | To provide funds needed for continued operating expenses and for the purchase of equipment needed by this department for more effective operations. (RBC 29) |             |

BUDGET ADJUSTMENT:San Antonio Health Science Center

1. Budget Adjustment: \$27,000.00  
 To: Medical Communications Services  
     Salaries \$ 2,600.00  
     Wages 1,400.00  
     Maintenance and Operation 6,000.00  
     Purchases for Resale 14,000.00  
     Volume Variance 3,000.00  
 From: Credit for Sales and Services \$27,000.00  
 For: To adjust anticipated income and  
 to budget this amount for needed  
 operations. (RBC 206)

2. Budget Adjustment: \$25,000.00  
 To: Bookstore Sales - Book Purchases  
     for Resale \$20,000.00  
     Maintenance and Operation 500.00  
     Volume Variance 4,500.00  
 From: Bookstore - Credit for Sales \$25,000.00  
 For: To adjust budget for anticipated  
 income and to budget this amount  
 for needed operations. (RBC 207)

*Music  
File*

GRADUATE SCHOOL CATALOG: In accordance with the recommendation of the Faculty and the Dean, it is requested that the Catalog be approved for the academic year 1973-74:

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO

CATALOGUE OF THE UNIVERSITY OF TEXAS GRADUATE SCHOOL OF  
BIOMEDICAL SCIENCES AT SAN ANTONIO

for 1973 - 1974



The official seal adopted by the Board of Regents of The University of Texas Health Science Center at San Antonio for use on all transcripts, diplomas and other documents which require such official action.

The University of Texas Graduate School  
of Biomedical Sciences at San Antonio  
7703 Floyd Curl Drive  
San Antonio, Texas 78284

Phone: (512) 696-6365

(to be printed inside the front cover in small print)

Catalogues published by The University of  
Texas Health Science Center at  
San Antonio:

Dental School  
Medical School  
Graduate School of Biomedical  
Sciences

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 AT SAN ANTONIO

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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
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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

## OFFICERS OF ADMINISTRATION

General Administration

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

William H. Knisely, Ph.B., B.S., M.S., Ph.D., Vice Chancellor for Health Affairs of The University of Texas System, Austin

E. D. Walker, M.B.A., C.P.A., Deputy Chancellor for Administration of The University of Texas System, Austin

Frank Harrison, B.S., M.S., Ph.D., M.D., President of The University of Texas Health Science Center at San Antonio

Robert B. Price, B.B.A., M.B.A., C.P.A., Vice President for Business Affairs of The University of Texas Health Science Center at San Antonio

Stanley E. Crawford, M.D., Dean, The University of Texas Medical School at San Antonio

Armand J. Guarino, B.S., Ph.D., Dean, The Graduate School of Biomedical Sciences of The University of Texas Health Science Center at San Antonio

J. D. Robertson, B.S., D.M.D., Acting Dean, The University of Texas Dental School at San Antonio

Warren G. Harding, B.A., M.Ed., Director of Hospital Affairs, The University of Texas Medical School at San Antonio

Paul Cutler, B.A., M.D., Associate Dean for Clinical Affairs, The University of Texas Medical School at San Antonio

Carlos Pestana, B.S., M.D., Ph.D., Associate Dean for Academic Development, The University of Texas Medical School at San Antonio

Shailer Peterson, B.A., M.A., Ph.D., Associate Dean, The University of Texas Dental School at San Antonio

William F. Smith, B.S., M.B.A., Associate Director of Hospital Affairs, The University of Texas Medical School at San Antonio

Auben W. Brunnemann, B.A., Coordinator of Curriculum and Academic Programs

Betty M. Compton, B.A., Registrar

David M. Shapiro, B.S., Ph.D., Assistant to the Dean, The Graduate School of Biomedical Sciences at San Antonio

David A. Kronick, B.A., B.S.L.S., Ph.D., Librarian

Richard E. Miller, B.A., M.A., Director, Office of News and Information

Jack A. Rodgers, B.A., M.M.A., Deputy Chairman, Medical Communications

Fred W. Todd, B.B.A., M.A., M. L.S., Assistant Librarian

Billy D. Vandeventer, Financial Aids Officer

#### Business Administration

Bruce M. Smith, B.A., C.P.A., Business Manager

Earl A. Siebold, B.B.A., C.P.A., Associate Business Manager

Billy J. Barker, B.B.A., Budget Officer

Elmo M. Cavin, B.B.A., Director of Accounting

Paul C. Crall, B.S., Director of Physical Plant

Daniel D. Davis, B.B.A., Acting Purchasing Agent

Travis M. Fleming, Jr., B.S., Personnel Director

Jack C. Park, B.B.A., Internal Auditor

Gary J. Robisheaux, B.B.A., Director of General Services

Arthur Bonnet, Chief of Security

William S. Myers, B.B.A., L.L.B., Executive Assistant, The University of Texas Dental School at San Antonio

## BEXAR COUNTY HOSPITAL DISTRICT

Board of Managers

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Ernest Cortes

Sam Madrid, Jr.

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William F. Smith, B.S., M.B.A., M.H.A.	Associate Administrator
George R. Willis, B.B.A.	Associate Administrator
William J. Beha, B.A., M.A.	Assistant Administrator
E. M. Bullock, A.A.	Assistant Administrator
Jack L. Campbell, B.S., M.S.	Assistant Administrator
Samuel A. Morse, B.S., M.S.	Assistant Administrator
Ben M. Sifuentes, B.S., M.S.	Assistant Administrator
William E. Young, Jr., B.B.A., M.S.	Assistant Administrator

## THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO

## Departmental Chairmen

## ANATOMY

Edward G. Rennels, Ph.D.

## BIOCHEMISTRY

Armand J. Guarino, Ph.D.

## BIOENGINEERING

Casper W. Hiatt, III, Ph.D.

## LABORATORY ANIMAL MEDICINE

Benjamin D. Fremming, D.V.M.

## MEDICAL COMMUNICATIONS

David Kronick, Ph.D.

## MICROBIOLOGY

Alexis Shelokov, M.D.

## PATHOLOGY

Frank M. Townsend, M.D.

## PHARMACOLOGY

Arthur H. Briggs, M.D.

## PHYSIOLOGY

Timothy N. Caris, M.D. (Acting)

## ANESTHESIOLOGY

Howard L. Zauder, M.D., Ph.D.

## FAMILY PRACTICE

Herschel L. Douglas, M.D. (Acting)

## MEDICINE

Laurence E. Earley, M.D.

## OBSTETRICS AND GYNECOLOGY

Joseph Seitchik, M.D.

## PEDIATRICS

Michael Sweeney, M.D. (Acting)

## PHYSICAL MEDICINE AND REHABILITATION

Arthur E. Grant, M.D.

## PSYCHIATRY

Robert L. Leon, M.D.

## RADIOLOGY

Peter Zanca, M.D.

## SURGERY

J. Bradley Aust, M.D., Ph.D.

## ANATOMY, DENTAL

Billy E. Rigsby, D.D.S. (Acting)

## BIOMATERIALS, DENTAL

Donald C. Hudson, D.D.S.

## COMMUNITY DENTISTRY

Sidney L. Miller, D.D.S., M.P.H.

## BASIC SCIENCE DEPARTMENTS

## CLINICAL DEPARTMENTS

## MEDICAL SCHOOL

## CLINICAL DEPARTMENTS

## DENTAL SCHOOL

DIAGNOSIS AND ROENTGENOLOGY  
Charles R. Morris, D.D.S.

ENDODONTICS  
(Vacant)

GENERAL PRACTICE  
Billy E. Rigsby, D.D.S.

OPERATIVE DENTISTRY  
James M. Childers, D.M.D.

ORTHODONTICS  
(Vacant)

OUTPATIENT DIVISION  
Charles Jarvis, D.D.S. (Clinic Director)

PEDODONTICS  
(Vacant)

PERIODONTICS  
Sam W. Hoskins, Jr., D.D.S.

PROSTHODONTICS  
Earl E. Feldmann, D.D.S. (Acting)

SURGERY, ORAL  
Hugh B. Tilson, D.D.S.

## ESSAY ON GRADUATE EDUCATION

Graduate education leading to the Master's and Doctorate degrees in the biomedical sciences historically has been a vital part of the programs of every medical school in this country. For the most part, these programs have centered largely in the basic science departments encompassing the classic disciplines of Anatomy, Biochemistry, Microbiology, Pharmacology, Physiology and Pathology. More recently with the advent of behavioral sciences as integral to training in the health professions graduate programs in these areas are emerging as well.

With the increase of interest in interdisciplinary research, formal graduate programs have evolved outside of the traditional departmental structure. For instance, within our own institution an interdisciplinary program in Biophysics has materialized which utilizes the faculties of the Departments of Bioengineering, Physiology, Radiology and Laboratory Animal Medicine. Graduate education in the biomedical sciences will see more of such interdisciplinary training and research in the future.

The question may be asked: Why has graduate education evolved in the biomedical setting? It is evident from the myriad contributions of these fields that the biomedical sciences are indispensable to continued advancement of medicine both scientifically and clinically. Individuals representing these sciences not only play a role in advancing knowledge in their respective fields but are also intimately involved in the health professions. It should be noted that a significant proportion of the scientists who have made fundamental contributions to biology make up faculties of such institutions. Teaching young scientists in their fields is as fundamental to the vitality of a basic science faculty as intern and residency training is to a clinical faculty.

The significant contributions to man's understanding of his own biology and biosocial functioning by science faculties are most appropriate in the health science center setting. Application of this knowledge to the understanding of disease processes in the human is best carried out in this setting where the physician and dentist are constantly treating disorders which have their roots in molecular processes. The ability to analyze these abnormalities in the human through biopsy, tissue removed at surgery or aspiration of amniotic fluid of the pregnant woman, etc., provides unique opportunities to apply molecular knowledge to diagnosis and treatment.

Pharmacologists, scientists concerned with the mechanism of action of drugs as well as the design of new ones, ultimately test compounds after extensive screening in animals for their value in the human. The logical setting for this kind of research is again the health science center.

Bioengineers have made great strides in the application of their knowledge to specific medical problems. One has only to mention the design of new and better prostheses, the development of the pacemaker and the more recent applications of lasers, holography and ultra-sound to the treatment and diagnosis of human ills to realize their impact on medicine.

The list of such applications is indeed growing at a rapid rate, but the above will suffice to indicate the kinds of contributions that can be made. Graduate programs in biomedical science institutions provide the newly-trained scientists an opportunity to make fundamental contributions in the field of his specialization, as well as to play a crucial role in the application of this knowledge first hand to the alleviation of human suffering.

ACADEMIC CALENDAR  
1973 - 1974

FALL SEMESTER 1973

Pre-registration counseling *	Friday, August 17
Registration **	Friday, August 24
First day of classes	Monday, August 27
Labor Day - a holiday	Monday, September 3
Thanksgiving holidays	November 21 - 23
Last day of final examinations	Friday, December 21
Graduation Day (No Public Exercises)	Friday, December 21

SPRING SEMESTER 1974

Pre-registration counseling *	Monday, December 17
Registration **	Monday, January 14
First day of classes	Wednesday, January 16
Good Friday - a holiday	Friday, April 12
San Jacinto Fiesta - a holiday	Friday, April 26
Last day of final examinations	Friday, May 17
Graduation Day	Saturday, June 1

SUMMER SESSION 1974

Pre-registration counseling *	Friday, May 17
Registration **	Friday, May 31
First day of classes	Monday, June 3
Independence Day - a holiday	Thursday, July 4
Last day of final examinations	Friday, August 23
Graduation Day (No Public Exercises)	Friday, August 23

TENTATIVE SCHEDULE FOR 1974 - 1975

FALL SEMESTER 1974

Pre-registration counseling *	Friday, August 16
Registration **	Friday, August 23
First day of classes	Monday, August 26
Labor Day - a holiday	Monday, September 2
Thanksgiving holidays	November 20 - 23
Last day of final examinations	Friday, December 20
Graduation Day (No Public Exercises)	Friday, December 20

SPRING SEMESTER 1975

Pre-registration counseling *	Monday, December 16
Registration **	Monday, January 13
First day of classes	Wednesday, January 15
Good Friday - a holiday	Friday, March 28
San Jacinto Fiesta - a holiday	Friday, April 25
Last day of final examinations	Friday, May 16
Graduation Day	Saturday, May 31

SUMMER SESSION 1975

Pre-registration counseling *	Friday, May 16
Registration **	Friday, May 30
First day of classes	Monday, June 2
Independence Day - a holiday	Friday, July 4
Last day of final examination	Friday, August 22
Graduation Day (No Public Exercises)	Friday, August 22

\* Course cards due at Graduate School office. Pre-registration counseling for current and special students is on dates indicated. New students may pre-register from pre-registration counseling day to one day prior to registration.

\*\* Fees are paid at time of registration.

## INTRODUCTION

Each Graduate Program is composed of professors who are designated as Members or Associates of the Graduate Faculty and of students admitted to pursue studies toward a Master of Arts or Doctor of Philosophy degree in the biomedical sciences. All programs are approved by the Coordinating Board, Texas College and University System. The administrative head of the Graduate Programs is the Dean of The Graduate School of Biomedical Sciences. A Graduate Executive Committee made up of faculty representatives from each Program meets monthly and formulates general academic policies; the Graduate School Dean serves as chairman. Each Program is supervised by a Committee on Graduate Studies composed of members of the Graduate Faculty of the Program. The Committee is responsible for recommending the admission of students to the Program, approving academic programs and certifying eligibility of students for admission to candidacy for a degree. The administrative head of each Program is the Chairman of the Committee on Graduate Studies. A Graduate Advisor represents the Program in all matters pertaining to the graduate students taking major work in the area.

## THE NATURE AND PURPOSE OF GRADUATE WORK

Graduate programs leading to the Master of Arts and Doctor of Philosophy degrees are offered in Anatomy, Biochemistry, Biophysics, Microbiology and Pharmacology. If only a limited number of students can be accommodated, then qualified applicants for the doctoral degree will be given preference. A qualified applicant may be admitted directly to a doctoral program without a Master's degree. Within these five programs, candidates for degrees may acquire competence in many fields under the guidance of established teachers and investigators: anatomy, bacteriology, biochemistry, biological ultrastructure, biomathematics, biomedical engineering, biophysics, biostatistics, cell physiology, cinematography, clinical pathology, crystallography, cytology, embryology, endocrinology, enzymology, experimental pathology, genetics, hematology, histology, immunology, immunohematology, immunogenetics, immunopathology, metabolism and biosynthesis, medical physics, molecular biology, mycology, neurosciences, nuclear physics and chemistry, oncology, parasitology, pathophysiology, pharmacology, photobiology, systems physiology, psychology,

radiobiology, scientific computer programming, structure of macromolecules, virology, etc.

#### ADMISSION

The basic requirement for admission is a bachelor's degree from an accredited institution in the United States or proof of equivalent training at a foreign institution. Adequate subject preparation for the proposed area of graduate study is essential. The applicant must have obtained a satisfactory score on the Graduate Record Examinations Aptitude Test. Each application is evaluated by the appropriate Committee on Graduate Studies and final acceptance or rejection is by The Graduate Executive Committee. The applicant is informed in writing by the Dean of The Graduate School of Biomedical Sciences of the action and any conditions imposed on acceptance.

All individuals applying for admission to the Graduate Programs who plan to enter in the Summer Session or Fall Semester should have their completed applications on file in the Graduate Office by March 1st; to enter in Spring Semester, by September 1st. An applicant may submit an incomplete transcript with his original application and substitute a complete official transcript showing the most recently completed semester(s) of course work as soon as it becomes available; it must be received by the Registrar before the student registers for the first semester of graduate courses.

Applicants for admission should obtain an application form and instructions for completing the application from The Graduate School of Biomedical Sciences. Before evaluation each application should consist of: the completed application form; certified transcripts from each college attended, including each graduate or professional school; a letter containing a statement of objectives; three letters of recommendation; and the scores on the Graduate Record Examinations.

The Graduate Record Examinations Aptitude Test administered by the Educational Testing Service (Box 955, Princeton, New Jersey 08540) is given at various centers throughout the world on regularly established dates. A bulletin of information describing the test and an application may be obtained from the Testing Service; they are also available at some colleges and universities. The test scores should be forwarded directly to The University of Texas Graduate School of Biomedical Sciences at San Antonio (Code R-6908-8).

When there are more qualified applicants than the staff of a proposed program can guide effectively or accommodate in the available facilities, the Committee on Graduate Studies may deny admission to students even though they have met the essential requirements. After receiving notification of admission, the student should arrange an appointment with the Dean and with the Graduate Advisor of the proposed major department to discuss his or her academic program and to prepare for registration for the first semester. A student who is admitted to the Graduate School of Biomedical Sciences at The University of Texas Health Science Center at San Antonio may apply for permission to take a course(s) at any one of the other components of The University of Texas System:

- The University of Texas at Arlington
- The University of Texas at Austin
- The University of Texas at Dallas
- The University of Texas at El Paso
- The University of Texas of the Permian Basin
- The University of Texas at San Antonio
- The University of Texas Health Science Center at Dallas
- The University of Texas Medical Branch at Galveston
- The University of Texas Health Science Center at Houston
- The University of Texas System Cancer Center
- The University of Texas System School of Nursing

Formal admission to a graduate program is required only at the institution from which the student plans to graduate. However, consent of the student's Graduate Advisor and the Dean must be obtained before the student may apply to another component for permission to take courses. Arrangements are made for proration of tuition and fees.

Special Students: Under certain conditions an individual may wish to register as a Special Student for one or two graduate courses for credit. Permission will depend upon several qualifications:

1. Adequate academic preparation for each course and acceptance for registration by both the instructor(s) and the Graduate Advisor(s).
2. Written approval of the Dean. Permission is valid for only one semester.
3. The number of semester hours of credit involved does not exceed nine.

4. The Registrar agrees that no undue crowding of facilities will result.

Credit toward a graduate degree for course(s) taken as a Special Student will be considered by the Graduate Executive Committee if the student's application for admission to a graduate program is approved.

#### DOUBLE DEGREE PROGRAM

The Double Degree Program was designed to allow a medical or dental student to obtain an M.A. or a Ph.D. degree in addition to an M.D. or a D.D.S. at The University of Texas Health Science Center at San Antonio. The scientist who is well trained in the basic health science in which he or she obtains a graduate degree usually has not encountered the opportunity to apply this specialized knowledge to clinical medicine or dentistry. The physician and dentist on the other hand often become aware of clinical problems which might easily have their solution in a basic science discipline. In short, there may be a communications gap between these types of scientists. It is advantageous to have a number of individuals who have depth of knowledge in both basic science and clinical medicine or dentistry in order to bridge this gap. The development of a mechanism at The University of Texas Health Science Center at San Antonio for students to be trained in two areas is an effort to provide the biomedical community with such individuals.

The program is based on the premise that any student desirous of obtaining both an M.D. or a D.D.S. and a graduate M.A. or Ph.D. degree while a student at The University of Texas Health Science Center at San Antonio would plan to meet the full requirements defined for both degrees. Accreditation of the Medical School and its programs is achieved through the Liaison Committee of the American Medical Association and the Association of American Medical Colleges. Any medical student in such a combined degree program must meet all requirements established by the Medical School which have been approved by this liaison committee. Accreditation of the Dental School and its programs is achieved by meeting all of the requirements of the Council on Dental Education of the American Dental Association. Any dental student in such a combined degree program must meet all requirements established by the Dental School which have been approved by the by the Council on Dental Education of the American Dental Association. Approval of the Graduate Programs is obtained through the Coordinating Board,

Texas College and University System. All students in a double degree program must for either the M.A. or Ph.D. degree meet the full requirements for these programs as approved by the Coordinating Board.

Each student must satisfy the entrance requirements of both the Medical School or Dental School and the Graduate School of Biomedical Sciences, and approval for admission shall be accomplished separately. Admission to the Medical School or Dental School in no way guarantees admission to the Graduate School, nor does admission to the Graduate School guarantee admission to the Medical or Dental Schools. A student need not register his intent of securing both an M.D. or D.D.S. and an M.A. or Ph.D. at the time of admission to either medical, dental or graduate programs. At any time, a student in the Medical or Dental School may make the decision to pursue a course of study for a graduate degree and may apply for admission to one of the graduate programs. The same principle applies to the student who originally enters the Graduate School. A student may withdraw from either school without in any way jeopardizing the pursuit of a degree in the other.

The total time added to the typical medical or dental school curriculum is generally a year for the Master's degree or three years for the Ph.D. degree. Utilization of summer work and elective periods in the medical or dental curriculum contributes to economy in total time span. The specific details as to the logistics of pursuing a graduate program while registered in the Medical or Dental Schools will depend on the specific graduate program undertaken, and in every instance should be worked out between the student and the appropriate Committee on Graduate Studies with final approval by the Graduate Executive Committee.

For additional information, consult the Associate Dean for Academic Affairs of the Medical School, the Associate Dean of the Dental School or the Dean of the Graduate School of Biomedical Sciences.

## GENERAL INFORMATION

## THE SOUTH TEXAS MEDICAL CENTER

The San Antonio Medical Foundation acquired 683 acres of land in northwest San Antonio for the South Texas Medical Center. The Southwest Texas Methodist Hospital, which opened in 1963, became the Center's first operational facility. In 1961, the Foundation donated 100 acres to The University of Texas System for health science activities, and by now the South Texas Medical Center has grown to include 16 institutions with 6,500 employees and combined annual budgets of more than \$60,000,000 to provide health care services, education and research.

## THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO

The University of Texas Health Science Center at San Antonio is located in the South Texas Medical Center and is comprised of The University of Texas Medical School, Dental School and Graduate School of Biomedical Sciences at San Antonio. It was established by the Board of Regents of The University of Texas in late 1972 to coordinate biomedical units for efficiency and effectiveness in academic programs, management and fiscal operations.

## THE UNIVERSITY OF TEXAS GRADUATE SCHOOL OF BIOMEDICAL SCIENCES AT SAN ANTONIO

Offices of The Graduate School of Biomedical Sciences at San Antonio are located in The University of Texas Health Science Center at San Antonio. Graduate programs leading to the Master of Arts and Doctor of Philosophy degrees in Anatomy, Biochemistry, Biophysics, Microbiology and Pharmacology were approved in 1970. Initial enrollment began that year with 15 students and has now grown to 40 students with six doctoral degrees awarded. In addition, a combined program is offered through cooperation with the Medical and Dental Schools which allows a medical or dental student to obtain an M.A. or a Ph.D. degree in addition to an M.D. or a D.D.S. degree.

## THE UNIVERSITY OF TEXAS MEDICAL SCHOOL AT SAN ANTONIO

The University of Texas Medical School at San Antonio was authorized by the 56th Texas Legislature in 1959.

Faculty recruitment began in 1965. Construction of the building started a year later and was completed in July 1968. Until the building was completed, faculty and staff were housed at Trinity University in San Antonio. Enrollment of students began in 1966 but classes were attended in The University of Texas Medical Schools at Dallas and Galveston until the San Antonio facility was completed. In 1969 the first full class of 104 students matriculated, and the first graduating class of 33 students received Doctor of Medicine degrees in 1970. There are presently over 400 students in the three and four year medical programs, and it is anticipated that entering classes will number 200 students by 1980. There are now nearly 300 physicians and scientists on the medical school faculty and total employees number approximately 272.

The Medical School building contains 432,816 square feet in four levels. It includes modern classrooms, multidisciplinary teaching laboratories, student study and audiovisual carrels, auditorium and library, as well as faculty offices and research laboratories. Administrative offices and service areas are also included in the building. Because of its excellent acoustics, the auditorium is used for many community activities including recitals and lectures and its spacious foyer is popular for frequent major art exhibitions. A separate central utilities plant serves all buildings of the Health Science Center. For more detailed information consult the catalogue of The University of Texas Medical School at San Antonio.

#### THE UNIVERSITY OF TEXAS DENTAL SCHOOL AT SAN ANTONIO

The University of Texas Dental School at San Antonio was authorized by the 61st Texas Legislature in May 1969. By using temporary facilities in the Medical School, the Dental School opened in September 1970 with 16 first-year dental students and now has a total enrollment of 62 students. Its first graduating class will be in June 1974.

Construction of the separate building for the Dental School was begun in early 1973 and is expected to be completed by late 1975. It will also be a four-level structure of 453,769 square feet compatible in design and material to the Medical School. The Medical School and Dental School buildings will be connected at each level to insure maximum sharing of

commonly-used teaching and research facilities. The completed dental facility will provide a capacity for 152 dental students to enter each year for the four-year dental program, 48 dental hygiene students to enter each year for the two-year dental hygiene program, 48 dental assistant students to enter each year for the one-year dental assistant program, and 24 dental laboratory technicians to enter each year for the two-year dental laboratory technician program. Graduate programs in all dental specialties will be offered and emphasis will be placed on research programs and programs of continuing dental education.

A separate catalogue is published for The University of Texas Dental School at San Antonio.

#### THE UNIVERSITY OF TEXAS SCHOOL OF NURSING AT SAN ANTONIO

The University of Texas School of Nursing at San Antonio shares the campus with The University of Texas Health Science Center at San Antonio. It was authorized by the Texas Legislature in 1969 and began admitting students in 1970. Present enrollment includes 176 undergraduate and 29 graduate students who occupy temporary facilities within and adjacent to the Medical School.

Construction of a separate building was begun near the new Dental School early in 1973 with completion scheduled for late 1974. It will consist of 78,756 square feet in a two-level building which will accommodate 400 undergraduate and 75 graduate nursing students.

A separate catalogue is published for The University of Texas School of Nursing at San Antonio.

#### AFFILIATED RESEARCH AND CLINICAL TEACHING FACILITIES

Many research scientists, some of whom have joint appointments in the departments of the Medical or Dental Schools conduct research in other institutions located in San Antonio. The talents of these individuals as well as the facilities available to them in many instances have proven a valuable asset to the educational programs of the Medical, Dental and Graduate Schools.

Cooperative research projects are conducted with other University of Texas institutions as well as with several hospital facilities in the San Antonio area and within the Southwest Research Institute and the Southwest Foundation for Research and Education. A listing of these institutions follows: The University of Texas at San Antonio, a major university having both undergraduate and graduate programs, is in the process of being constructed on a 600 acre campus 5 miles north of the Health Science Center. Although it will not be completed until 1975, plans have already been put into effect to have cooperative teaching and research programs. An affiliation agreement is maintained between The University of Texas Health Science Center and the Southwest Foundation for Research and Education. This agreement allows the two institutions to share facilities and faculties. The Southwest Foundation is a biomedical research institution which has laboratories in San Antonio and a branch in Kenya, Africa. Its annual research budget is \$2,722,000. Its staff of 165 works primarily in the fields of cancer, heart and infectious diseases, virology, parasitology and endocrinology. The Foundation has 155,000 square feet of offices, laboratories and large indoor and outdoor animal facilities. Cooperative research projects have been established between the Southwest Research Institute and The University of Texas Health Science Center. The Southwest Research Institute, a non-profit applied research organization has its headquarters in San Antonio and also has laboratories in Houston and Corpus Christi and an office in Washington, D. C. The staff of 1158 conducts research and development projects which cut across the broad spectrum of the biological and physical science. Its annual research budget is over \$25 million. This sum is made up of 45% government and 55% industrial sponsorship. The Institute has approximately 430,000 square feet of office and laboratory space.

The Bexar County Teaching Hospital, operated by the Bexar County Hospital District, adjoins the Health Science Center and is connected to it at each level. It was planned integrally with the Medical School and is a 12-stored, 429-bed facility providing all general hospital services. Having been specifically designed to meet the needs of a diversified teaching program, study cubicles, classrooms, student laboratories and student

examination and treatment rooms are adjacent to all patient areas. The hospital has an approved rotating internship program as well as straight internship programs in internal medicine, surgery, pathology and obstetrics-gynecology. Residency programs are approved in anesthesiology, surgery, internal medicine, obstetrics-gynecology, ophthalmology, orthopedic surgery, otolaryngology, pathology, pediatrics, physical medicine and rehabilitation, plastic surgery, psychiatry, radiology, urology and family practice.

The Robert B. Green Memorial Hospital is also operated by the Bexar County Hospital District. It is located in urban San Antonio and houses the ambulatory care clinic, a family care clinic, 57 obstetrical beds and 100 newborn beds. Its outpatient department includes 45 different clinics which treat more than 100,000 patients each year.

In addition to internship, residency and fellowship programs, the hospital district has a diploma nursing school, a vocational nursing program in association with St. Phillip's College of San Antonio, a radiologic technician school, a school of paramedical training and a residency program in hospital administration.

Ground was broken in the South Texas Medical Center on November 20, 1970 for the new Audie Murphy Veteran's Administration Hospital. It is to be completed and operational by mid-1973 and will have 400 beds for general patients and 360 beds for psychiatric patients. It will serve 40 counties of Southwest Texas.

Affiliation is maintained with three military facilities located in the San Antonio area: Brooke General Hospital at Fort Sam Houston, Texas; Wilford Hall USAF Hospital at Lackland Air Force Base, Texas; and the USAF School of Aerospace Medicine at Brooks Air Force Base, Texas.

Brooke General Hospital is a major component of Brooke Army Medical Center. It has a bed capacity of 800 and offers definitive medical and surgical care for Army, other military personnel and authorized civilian personnel. It also provides medical, surgical and dental outpatient care. Internship and residency training programs are available to medical and dental officers and extensive training programs for ancillary medical personnel are offered both to officers and enlisted personnel. Another component of the Center,

The United States Army Institute of Surgical Research, has gained international renown for its outstanding research work in the treatment of burn cases. From here, burn teams fly to the scene of burn cases throughout the United States and return them to Brooke in a matter of hours.

Wilford Hall USAF Medical Center is a component of the Aerospace Medical Division of the Air Force Systems Command. It operates a modern 1000-bed general hospital that admits approximately 25,000 patients annually and its clinics see nearly 750,000 outpatients each year. It is a center for cardiac surgery, cardiopulmonary function, histopathology, radioisotopes, cobalt therapy and speech and hearing. Residency training is offered in 18 specialties.

Both Brooke General Hospital and Wilford Hall USAF Medical Center, in addition to providing medical care to military personnel and authorized civilians of the San Antonio area, receive personnel who arrive on a daily basis in aeromedical evacuation aircraft of the Military Airlift Command from other bases in the continental United States, Europe, Alaska, the Far East and any other area of the world where United States military personnel are stationed.

The USAF School of Aerospace Medicine is also a component of the Aerospace Medical Division of the Air Force Systems Command. It was originally organized in 1917 and has been continuously active since that time in research and development in medical aspects of aerospace flight, in clinical practices of special interest to aerospace, and in post-graduate education in aerospace medicine and allied subjects.

Two private hospital affiliations are the Baptist Memorial Hospital System and the Santa Rosa Medical Center. The Baptist system operates three hospitals: a downtown unit, a northeast located unit and a unit in southeast San Antonio with a total capacity of 1,068 beds. General hospital services are offered patients. Residencies are available in pathology, radiology and general practice.

The Santa Rosa Medical Center has a total of 1,050 beds in five units: the general hospital, Children's Hospital, Otto Koehler Radiation Therapy and Research Unit and the Outpatient Clinic are in downtown San Antonio, while the Villa Rosa Psychiatry and Rehabilitation Center is in the South Texas Medical Center. The Santa Rosa system is moving toward specialized patient care, particularly in the areas of pediatrics, orthopedics, nuclear medicine,

neurosurgery and thoracic surgery. Residency training is available in seven specialties.

The University of Texas Health Science Center also enjoys affiliation with the San Antonio State Chest Hospital. This is a 406-bed hospital with primary responsibility for the treatment of tuberculosis. In September 1971, it was authorized to accept a limited number of emphysema and other chronic obstructive lung disease cases for treatment and rehabilitation.

#### THE LIBRARY

The library is one of the Health Science Center's primary resources for individual learning and research. It serves as a repository of information for all the learning, research and medical care functions of the Center. It also serves as a laboratory in which the student can begin to acquire the necessary skills in information processing which will serve him the rest of his professional life. An active program of orientation in the use of these information resources is one of the important functions of the library staff.

Despite the fact that the library is less than ten years old, it already numbers well over 70,000 volumes. The library subscribes to more than 1800 current serial and periodical titles. The collection covers the broad range of the health related sciences, medicine, nursing, dentistry, basic sciences, environmental health, veterinary sciences, and relevant materials in psychology, sociology and the humanities. A browsing collection covering literature, drama, the arts, history and other subjects is also maintained for the students, staff and faculties of the Center. The library serves as one of the eleven resource libraries in the five states comprising the South Central Region Medical Library. It has access through a teletypewriter and computer terminals to data bases and literature resources all over the country, including direct access to the National Library of Medicine. Among the other literature resources in San Antonio is the excellent School of Aerospace Medicine Library at Brooks Air Force Base with a collection close to 100,000 volumes. Close cooperation exists with this and other San Antonio area libraries through a local consortium called Council of Research and Academic Libraries.

The library contains a Learning Resource Center which houses the library's

collection of non-book media and facilities for their use. The Center has thirty-one individual audiovisual carrels, six small group studies, and four large group study areas which can be used on a scheduled or unscheduled basis. The group studies and some of the carrels are equipped with television monitors connected to the Health Science Center Demand Access Television System, which provides access to more than 300 videotapes. The P. I. Nixon History of Medicine Collection located on the library's mezzanine contains an outstanding collection of books and manuscripts relating to the historical development of the health sciences.

#### SAN ANTONIO

The eleventh largest city in the United States and one of its most interesting and colorful, San Antonio is a cosmopolitan community of about 750,000 residents. Site of the historic Alamo, San Antonio reflects its twin cultural heritage -- Spanish and American -- from the early missions to modern skyscrapers. Located in South Central Texas in a subtropical climate, the city enjoys normal mean temperature ranges from 52 degrees in January to 84 degrees in July. Already the home of two universities and four colleges, San Antonio is also the location of a new University of Texas academic institution authorized in 1969 by the 61st Texas Legislature. The campus is now under construction in the foothills of Texas' "hill country" north of the Health Science Center.

#### LIVING ARRANGEMENTS

Living arrangements are made individually by each student. Although there is no housing for graduate students, the Registrar in the Office of Academic Development maintains a listing of houses and apartments and will assist students whenever possible. Married students should arrange for living accommodations well in advance of matriculation. A cafeteria is available in the Bexar County Hospital.

#### POLICY

With respect to the admission and education of students, the employment and promotions of teaching and nonteaching personnel and student and faculty activities conducted on premises owned or occupied by the University, neither The University of Texas nor any of its component institutions shall discriminate either in favor of or against any person on account of race, creed, sex, or color.

## FINANCIAL INFORMATION

## TUITION AND FEES

All tuition and fees<sup>†</sup> are payable at the time of registration; a student is not registered until tuition and fees are paid in full.

Tuition <sup>†</sup> - Texas resident student* enrolled for 12 or less semester hours a semester	\$ 50.00
Tuition <sup>†</sup> - nonresident (U.S. citizens)** enrolled for 12 hours (\$40.00 per hour) a semester	480.00
Tuition <sup>†</sup> - nonresident (foreign students)** enrolled for 14 or less semester hours a semester	200.00
Audit fee <sup>†</sup>	5.00
Student health fee a year	45.00
Hospitalization insurance (minumum) a year	46.56
Graduation fee <sup>†</sup>	25.00
Microfilming fee <sup>†</sup>	25.00
Laboratory fee (for each course)	8.00
Parking fee a year	3.00

Tuition for students enrolled for 15 semester credit hours or less:

Number of Hours Taken	Nonresidents		
	Residents of Texas	U.S. Citizens	Foreign Students
15	\$60.00	\$600.00	\$210.00
14	56.00	560.00	200.00
13	52.00	520.00	200.00
12	50.00	480.00	200.00
11	50.00	440.00	200.00
10	50.00	400.00	200.00
9	50.00	360.00	200.00
8	50.00	320.00	200.00
7	50.00	280.00	200.00
6	50.00	240.00	200.00
5	50.00	200.00	200.00
4	50.00	160.00	200.00
3	50.00	120.00	200.00
2	50.00	80.00	200.00
1	50.00	40.00	200.00

\* In absentia registration is \$15.00. Registration for final credit-hours for Thesis or Dissertation only is \$12.00.

\*\* In absentia registration is \$18.50. Registration for final credit-hours for Thesis or Dissertation only is \$50.00.

+ Tuition and/or fees are subject to change without prior notice by action of the Legislature and/or The Board of Regents.

† The fee is \$5.00 for regularly enrolled students or The University of Texas employees; \$25.00 for other individuals.

## RESIDENCY DEFINED

The student is responsible for registering under the proper residence classification. If there is any question about the right to classification as a resident of Texas, the student should consult the Registrar and have it officially determined. The regulations are set forth in Vernon's Civil Statutes (Article 2654c). Rules, regulations and interpretations have been issued by the Coordinating Board, Texas College and University System, for its effective and uniform administration.

Under the nonresident regulations defined by the Texas Legislature, the term "resident" means "domicile"; the term "resided in" means "domiciled in"; and the status of a student as a "resident" or "nonresident" student is determined as follows:

## Individuals under 21 years of age

1. An individual under twenty-one (21) years of age, living away from one's 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;
2. 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 the individual has become the legal ward of residents of Texas or has been adopted by residents of Texas while attending an educational institution in Texas, or within a 12-month period before attendance, or under circumstances indicating that the guardianship or adoption was for the purpose of obtaining status as a resident student;
3. An individual twenty-one (21) years of age or under whose parents were formerly residents of Texas is entitled to pay the resident tuition fee for a 12-month period immediately following the parents' change of legal residence to another state.

## Individuals over 21 years of age

4. 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 legal residence in Texas is maintained.
5. 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;

6. 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 legal residence in Texas is maintained.

#### Married Students

7. 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 the nonresident has lived in Texas. Any student who is a resident of Texas who marries a nonresident is entitled to pay the resident tuition fee as long as he or she does not adopt the legal residence of the spouse in another state.

#### Military Personnel and Veterans

8. Military personnel are classified in the following manner:

a. Officers, enlisted men or women, selectees or draftees of the Army, Army Reserve, Army National Guard, Air National Guard, Texas State Guard, Air Force, Air Force Reserve, Navy, Naval Reserve, Marine Corps, Marine Corps Reserve, Coast Guard or Coast Guard Reserve of the United States who are assigned to duty in Texas are entitled to register themselves, their spouses 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 they have been assigned to duty or resided within the state; provided, however, that out-of-state Army National Guard or Air National Guard members attending training with Texas Army or Air National Guard units under National Guard Bureau regulations shall not be exempted from nonresident tuition by virtue of

such training status nor shall 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 fees and other fees and charges only when they become members of Texas units of the military organizations mentioned above;

b. 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;

c. 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 students shall pay the nonresident tuition fee;

d. 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;

e. 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 sixty (60) days of the date of death;

f. If a member of the Armed Forces of the United States is stationed outside Texas and his or her 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.

Employees of Institutions of Higher Education

9. Teachers, professors or other employees of a Texas institution of

higher education are entitled to register themselves, their spouses 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 they have 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.

#### Student employees

10. Teaching assistants, research assistants or other student employees of any institution covered by this section are entitled to register themselves, their spouses and their children in a state institution of higher education by paying the tuition fees and other fees or charges required of Texas residents, without regard to the length of time they have resided in Texas; provided that said student employees are employed at least one-half time in a position which relates to their 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 said employment.

#### Students with Competitive Scholarships

11. A nonresident student holding a competitive scholarship of at least \$200 for the academic year or summer for which the student is enrolled is entitled to pay the fees and charges required of Texas residents without regard to the length of time he or she has resided in Texas, provided that the student 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.

#### Alien Students

12. All aliens are classified as "nonresident students". However, 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.

13. The nonresident tuition fee prescribed by 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 resident 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.

#### EXEMPTION FROM TUITION AND FEES

##### 1. Texas Ex-servicemen

Legal residents who were residents at the time of entry into the military service may be eligible for exemption from tuition and fees. These students must have been honorably discharged and not eligible for education benefits provided for veterans of the United States government. Additional details may be obtained from the Registrar; applications are processed by the Office of the Registrar.

##### 2. Children of Texas Veterans and of Certain Disabled Public Employees

Children of members of armed forces who died while in service and children of certain public employees who have suffered injury resulting in death or disability sustained in line of duty may be exempt from tuition and fees. For procedures to follow in making application, contact the Registrar.

##### 3. Students from State Orphanages of Texas

Residents of Texas who are high school graduates of state orphanages are eligible for exemption from payment of tuition and fees. Funds are provided through scholarships. After admission to the Graduate Programs students should apply for a scholarship through the Financial Aids Officer.

#### TUITION OF HANDICAPPED STUDENTS

Handicapped students may have tuition, fees and other services paid through the Vocational Rehabilitation Division of his or her State Rehabilitation Commission, provided the vocational objectives selected by the student have been approved by a representative of the student's state or district office. Applications should be made through the district office in the student's home city or county, if possible, or through the student's State

Office of Vocational Rehabilitation. Texas residents may send requests to the Texas Office, 1301 Thirty-eight Street, Austin, Texas 78751.

#### REFUND OF TUITION AND FEES

##### Regular Session

A student who officially withdraws from the Graduate Programs will receive a refund of tuition and fees as follows:

	Refunds
During first week of classwork	70%
During second week of classwork	60%
During third week of classwork	40%
During fourth week of classwork	20%
During fifth week of classwork and thereafter	00%

##### Summer Session

Refunds will be made as follows:

	Refunds
First three class days	70%
Fourth, fifth or sixth class day	60%
Thereafter	00%

In no case shall the total refund exceed 70% of tuition and fees. Refunds will be prepared within 30 days and mailed to the student's forwarding address in the files of the Registrar.

#### STUDENT HEALTH SERVICES

Graduate students (not their dependents) enrolled full-time in The University of Texas Graduate School of Biomedical Sciences at San Antonio are eligible for out-patient medical care by The University (Student) Health Service; they are seen for treatment or consultation in The University of Texas (Student) Health Service Clinic during specified hours. Outside of regular clinic hours, emergency medical care is provided in the emergency room of the Bexar County Hospital. The fee is \$17.00 per semester and \$11.00 per summer session. However, this fee does not cover in-hospital care. Students are required to enroll in some type of hospitalization plan; either the group plan available through the school or one that provides equal or greater benefits. The premium for the group Blue Cross Hospital Services Plan, designed for students at The University of Texas Health Science Center at San Antonio, costs \$46.56 per year per student; students, their spouses and/or children may enroll at additional costs.

#### GRADUATION FEE

A graduation fee of \$25.00 covering the cost of the diploma, rental or cap, gown and hood and all other related expenses is paid at the time of registration for semester or summer session in which the student plans to graduate.

#### MICROFILMING FEE (Ph.D. candidates only)

A microfilming fee of \$25.00, covering the cost of microfilming the doctoral dissertation and publication of abstract of manuscript in Dissertation Abstract International, is paid at the time of registration for semester or summer session in which the student plans to graduate.

#### LABORATORY FEES

Graduate students will pay laboratory fees commensurate with those paid by medical students in courses designed primarily for them. For one course the fee will be \$8.00; however, the amount assessed for the year will not exceed \$32.00.

#### PARKING FEE

The parking fee is \$3.00 per year and includes one decal. Additional decals for a second or replacement vehicle are \$1.00 each per year.

#### ASSISTANTSHIPS

Various teaching and research assistantships are available. Prospective students should submit applications directly to the Graduate Advisor of the department in which they propose to do their majors. Students rendering one-half time service in teaching assistantships or research assistantships pay tuition at the resident rate. See Item 10, page

#### SCHOLARSHIPS

Eligibility is based primarily on financial need, but scholastic accomplishments and career potential are considered in making the awards. The scholarships vary in amount. Both United States citizens and foreign nationals may apply for these awards. Applications should be submitted to the Financial Aids Officer, Academic Development, The University of Texas Health Science Center at San Antonio.

#### LOAN FUNDS

Graduate Programs of The University of Texas Health Science Center at San Antonio have limited funds available for loans. Complete information and application forms may be obtained from the Financial Aids Officer, Room 306L. These loan programs include but are not limited to the following:

## LONG TERM LOANS

National Defense Student Loan Program

The Hinson-Hazelwood College Student Loan Program

The Federally Insured Student Loan Program

The Minnie Stevens Piper Foundation Student Loan Program

## SHORT-TERM AND EMERGENCY LOAN PROGRAMS

The Student Short-Term Loan Fund

The Student Emergency Loan Fund

## QUANTITY-OF-WORK RULE

Full-time graduate students may be paid annual salaries from institution funds when funds are available. Student stipends funded from Federal sources are governed by Federal regulations.

There may be circumstances under which part-time graduate students desire gainful employment within the Health Science Center (or full-time employees desire to pursue part-time graduate studies), and the following guidelines should apply:

Within funds available, part-time graduate students who are gainfully employed part-time within the Health Science Center in addition to pursuing graduate studies may be paid prorated rates within salary scales of job classification for which they are qualified and/or to which they are assigned. This procedure is permitted primarily to allow gainful part-time employment in an area unrelated to the student's formal academic program.

The Committee on Graduate Studies should be consulted in advance when a part-time student desires part-time employment within the student's own supervising department, or when the student is employed in a work situation that exists whereby the employment will be of direct benefit in meeting the graduate degree requirements. The committee should then recommend an appropriate part-time rate of pay consistent with the objectives of the graduate program in general with due consideration to the pay rates of other graduate students.

Departments requesting employment of a part-time graduate student outside the supervising department (and in an area unrelated to the student's academic program) should determine the number of hours for which the student is registered prior to contacting the Personnel Office regarding

appointment of such students. This will enable the Personnel Office staff to provide proper salary rate information.

Maximum Hours Per Week Permitted to Work	Graduate Hours Registered for
0 - 0.00%	15 - 100.00%
3 - 7.50%	14 - 91.66%
6 - 15.00%	13 - 83.33%
10 - 25.00%	12 - 75.00%
13 - 32.50%	11 - 66.66%
16 - 40.00%	10 - 58.33%
20 - 50.00%	9 - 50.00%
23 - 57.50%	8 - 41.66%
26 - 65.00%	7 - 33.33%
30 - 75.00%	6 - 25.00%
33 - 82.50%	5 - 16.66%
36 - 90.00%	4 - 8.33%
40*- 100.00%	3 - 0.00%
40*- 100.00%	2 - 0.00%
40*- 100.00%	1 - 0.00%

\*Present policy permits an employee to enroll in a 3 semester hour course without reduction in pay.

#### STUDENT DEBTS

The University of Texas Health Science Center at San Antonio 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 school will not assume the role of a collection agency for organizations, firms and persons to whom students may owe bills, nor will the University adjudicate disputes between students and creditors over the existence or the amounts of debts.

A student, however, is expected to discharge contractual obligations. In the event of conduct on the part of a student clearly demonstrating flagrant disregard of commercial obligations (refusal to pay or meet admitted debts or obligations will be thus construed), action will be taken appropriate to age of the student.

In event of nonpayment to the school one or more actions may be taken:

(1) barring readmission of the student; (2) withholding the student's grades and official transcript; and (3) withholding a degree to which the student would otherwise be entitled.

## REQUIREMENTS AND REGULATIONS

A student enrolled in the Graduate School of Biomedical Sciences is subject to all established requirements and regulations. Exceptions to these rules and solutions not covered by previously determined guidelines will be handled on an individual basis by the Graduate Executive Committee. At least once each semester students should confer with their graduate advisors about their progress, changes in the scheduling of classes, additional requirements, new regulations and deadlines for graduation.

## REGISTRATION

Students must register each semester and summer session that he or she is enrolled in a course. This includes courses in Research, Thesis, Dissertation and Supervised Teaching. A student may not receive credit for a course for which he or she has not registered. Days set aside for pre-registration and for registration are indicated in the calendar in this catalogue. On the pre-registration counseling date, course cards, instructions and information on course offerings may be obtained from the graduate advisors of the various programs or from the Graduate School Office. At this time students obtain written approval from their graduate advisors for enrollment in the courses selected. With respect to courses given by a department outside of the student's major program, the student must also obtain approval to register for each course from the appropriate instructor or from the graduate advisor of the program offering the course. All students currently enrolled should forward their completed course cards to the Office of the Graduate School at least one week prior to registration day.

Registration is directed by the Office of the Registrar located in the Office of Academic Development. Fees are paid at the time of registration. Students are urged to register on the appointed days. A student registering after the appointed day for that semester will be required to pay a special charge of five dollars (\$5.00) to defray the costs of extra service required for late registration.

## Registration of New Students

New students may confer with the graduate advisors regarding their academic program and obtain approval for enrollment of courses during the period

from the date designated for pre-registration counseling to one day prior to registration. They should submit completed course cards to the Graduate School Office by the day before registration.

#### Registration in Absentia

It is a requirement that a student be registered for the semester in which he or she graduates. If a candidate has completed the last requirements for a degree, including the submission of a thesis or dissertation and needs to register only for the purpose of having the degree conferred, he or she may register in absentia. This is the only purpose for which a student may register in absentia.

#### Registration for Final Credit Hours

If a student is registering only for final credit-hours (final semester or summer session) in preparation of a thesis or dissertation, the tuition may be reduced to \$12.00 for residents of Texas and \$50.00 for non-residents (United States citizen and foreign students). As a rule, a student may register for final credit-hours only once.

#### RESIDENCE

Each graduate student must spend a minimum of two 16-week semesters, or the equivalent, as a full-time student in residence at The University of Texas Graduate School of Biomedical Sciences at San Antonio. Registration for the doctoral dissertation course must cover a longer period than one semester.

#### AUDIT ENROLLMENT (Course Visitor)

Permission to audit a course or courses is sometimes granted. Auditing conveys only the privilege of observing and not of handing in papers or taking part in class discussions, laboratory exercises or field work. No grade is given and no credit is recorded. All students should obtain permission to attend a course from the instructor and non-students must obtain the approval of the Registrar in addition. Space must be available in the class. A fee of \$5.00 is required each semester or summer session to audit one or more courses provided the individual is a regularly enrolled student or employee of The University of Texas. The fee will be \$25.00 if the individual is not a regularly enrolled student.

#### FILE NUMBER

The student's social security number serves as the matriculation and file number. This number is the primary means of identifying the student's official academic record. Prospective students who do not have social security numbers should apply for one in time to include it on their applications for admission as graduate students.

#### GRADES AND GRADE-POINT AVERAGES

Credit is given in the Graduate Programs for the grades A, B and C. No credit is allowed for courses in which grades of D or F are earned; however, all grades are included in the computation of the grade-point average. Grade points are assigned as follows: A, denoting excellent scholarship, 4 points; B, good, 3 points; C, fair, 2 points; D, pass, 1 point; and F, failure, 0. Credit for courses in which a D or F is received may be obtained only by repetition of the course; if a course is repeated, the last grade becomes the official grade for the course.

To be awarded a graduate degree a minimum grade-point average of 3.00 (B) must be attained in all course work included in the student's academic program other than Research, Thesis, Dissertation or Supervised Teaching; every semester hour of C must be balanced by one of A. In all courses in research and in teaching the grades of S (satisfactory) or U (unsatisfactory) will be used.

Other symbols used in reporting the standing of students in their classes are: P - final examination postponed; R - reexamination to be allowed; Q - course dropped while receiving a passing grade - no penalty; WP - withdrawal from course passing; WF - withdrawal from course failing; and X - incomplete. An X is used to report cases where the student has not completed all of the assignments before conclusion of the course; if the required work is completed within two years the symbol X may be converted into a letter grade by the instructor.

#### CREDITS

The unit of measure for credit purposes in graduate work is the semester hour. Courses which meet for 3 hours of lecture a week have a credit value of three semester hours for one semester or six semester hours for two semesters. A course with 2 hours of lecture and 6 hours of laboratory work a week has a credit value of four semester hours.

In fulfilling the requirements for the M.A. degree, not more than a total of twelve of the credit hours awarded for work in Research, Thesis, Seminar and Supervised Teaching may be included in the 30 semester hour minimum. A specific number of semester hours has not been set for attainment of the Doctor of Philosophy degree; however, all doctoral work is carefully reviewed by the Graduate Executive Committee.

#### TRANSFER OF CREDITS

With the exception of students participating in the double degree program, all work for the Master's degree is ordinarily done at The University of Texas Graduate School of Biomedical Sciences at San Antonio. Under some circumstances, a maximum of up to six semester hours of graduate course work may be transferred from another institution but only on the basis of a petition by the Committee on Graduate Studies in the student's major area and approval by the Dean. In cases where such transfer is approved, the student must still meet the residence requirement of two full semesters. For students participating in the double degree program usually six semester hours in the medical or dental curriculum may also be credited toward the Master's degree. As a rule, these semester hours will come from survey courses in the student's major area.

#### CONTINUATION IN THE GRADUATE PROGRAMS

Continuation in the Graduate Programs is dependent upon two requirements: (1) satisfactory progress in absolving any admission deficiencies that were imposed, and (2) maintenance of a cumulative B average for all upper division and graduate courses. A student making less than an overall B average will be placed on probation and warned by the Dean of the Graduate School of Biomedical Sciences that continuation in the graduate program is in jeopardy. A student will remain on probation as long as his grade point average is below B. While on probation a student must maintain a B average in those courses for which he or she is registered or be subject to dismissal. Except in the case of illness permission will not be given to drop courses while the student is on probation. The graduate student who has been dismissed may be readmitted for further graduate study by petition from the Committee on Graduate Studies of his or her major area. The request will be considered by the Graduate Executive Committee, and according to the

recommended action will be approved or disapproved by the Dean. Under no circumstances will a student be admitted to candidacy for a degree while on probation.

A satisfactory rate of progress toward the degree is required throughout the student's enrollment. A Committee on Graduate Studies with the Dean's consent may terminate a student's enrollment at any time if the student's rate of progress is not satisfactory.

#### PROFICIENCY IN ENGLISH

All graduate students are expected to be proficient in the use of English. They are counted upon to write well organized and lucid papers and examinations and to speak fluently. Their proficiency in written and spoken English will be checked in their courses and in their contacts with faculty members.

#### FOREIGN LANGUAGE REQUIREMENT

There is no general requirement for demonstration of proficiency in one or more foreign languages before admission to candidacy for a doctoral degree. In modern baccalaureate curricula, training in foreign languages is being stressed as an important component of a liberal education. During graduate work, the reading of scientific papers in foreign journals and the acquiring of an ability to converse with fellow scientists from various parts of the world will be encouraged. If knowledge of certain foreign languages is deemed essential for training in a specific program, students may be asked to pass an examination to demonstrate an adequate experience with a particular language or languages. In addition to making it possible for the graduate student to obtain in-depth knowledge and training in a specific area of his choice, the aim of the Graduate Program is to provide the student with the opportunity to broaden his or her background in the humanities as well as in the social and natural sciences.

#### SUPERVISED TEACHING

Practice teaching in the student's major area under the close supervision of one or more faculty members is required of each doctoral student. Up to six semester hours of credit toward a degree may be granted to the student who completes at least two semesters of teaching. In order to receive this credit the student must enroll in a special graduate course in supervised teaching in his or her area and receive a grade of S.

#### COURSE LOAD

The minimal full-time course load for a semester is twelve semester hours. The maximum load is individually determined by the student's faculty advisor and the Committee on Graduate Studies involved. If a student is employed as a teaching assistant, research assistant or tutor, the course load may be reduced correspondingly.

#### ADDING COURSES

During the first two weeks following registration, a student may add a course(s) by obtaining the approval of the instructor(s) and the graduate advisor(s) concerned. After the 12th day of classes, a student must also secure permission from the Registrar.

#### DROPPING COURSES

During the first half of a course, a student who is not on probation may drop a course without penalty provided the student is passing the course at the time and has the approval of the instructor, the Graduate Advisor and the Dean. The symbol Q will be recorded for the course by the Registrar. However, a student on probation will not be allowed to drop a course. In case of illness, a student may drop a course without penalty at any time before the beginning of examinations with the consent of the Dean.

#### WITHDRAWAL

Withdrawal denotes dropping of all courses and withdrawal from school before the end of a semester or summer session. The student should consult both the Graduate Advisor and the Dean concerning withdrawal procedures applicable to his or her situation. This is particularly advisable if at some future time the student wishes to return to one of the components of The University of Texas or to transfer to another university. The symbol WP or WF will be recorded for each course depending upon the student's standing on the last day of enrollment.

#### TIME LIMITS

Doctor's degree: No official time limit has been placed on the time for acquiring a Ph.D. degree. Course work taken more than six years prior to the end of the candidate's final semester may not be accepted for credit and if necessary for the degree must be repeated or replaced with substitutes approved by the Committee on Graduate Studies. All doctoral work is subject

to review by the Graduate Executive Committee and the Dean.

Master's degree: All requirements for a master's degree must be completed within one six-year period. In special cases, upon recommendation of the Committee on Graduate Studies, the Dean may consider reinstatement.

#### GRADUATION UNDER A PARTICULAR CATALOGUE

Since requirements for degrees in the Graduate School Programs may be changed from year to year, the student is bound only by the guidelines established at the time of admission within a six-year limit. However, the student may elect to fulfill the requirements developed at a subsequent date.

#### GRADUATION

The degree of Doctor of Philosophy and the degree of Master of Arts are awarded upon the satisfactory completion of prescribed academic programs including the preparation and defense of an acceptable dissertation or thesis, recommendation of the Graduate Executive Committee and certification by the Board of Regents.

Degrees are awarded at the end of the fall semester, the spring semester and the summer session, but formal public ceremonies are held only at the end of the spring semester.

All doctoral degrees are conferred individually so as many doctoral candidates as possible should be present for the ceremony of investiture at the commencement at the end of the spring semester. All candidates, including those actually awarded degrees at the end of the summer session or the fall semester, are urged to attend the formal ceremonies.

#### SUPPLEMENTAL INFORMATION

For supplemental information concerning the graduate programs, communicate with the chairman or the graduate advisor of the appropriate department.

For inquiries regarding general requirements and regulations, write or call The University of Texas Graduate School of Biomedical Sciences at San Antonio.

For advice about the graduate programs at other components of The University of Texas System, consult the current catalogue of the particular school.

## SEQUENTIAL PROCEDURES

## DOCTOR OF PHILOSOPHY DEGREE

Phase I. From admission through successful completion of the qualifying examination and admission to candidacy.

1. As soon as possible after admission to a Program, the appropriate Committee on Graduate Studies shall appoint a faculty advisor for the student. The advisor's function is to serve as the "contact person" on the faculty who shall see to it that course requirements and any contingencies of admission are satisfied by the candidate. This advisor may or may not ultimately be the supervising professor.

2. After the student has been in the program for a year and has met most of the course requirements, the Committee on Graduate Studies shall construct and administer a qualifying examination. This examination may be written, oral, or both. The make-up of the Examination Committee shall be left to the Committee on Graduate Studies, but one member must be outside of the student's program area. The results of examination will be documented and forwarded to the Graduate Executive Committee by the faculty advisor after approval by the Committee on Graduate Studies as criteria for the student's qualification for candidacy. When the student has been admitted to candidacy by the Dean on recommendation of the Graduate Executive Committee, he or she will enter Phase II of the program.

Phase II. Successful completion of the qualifying examination through awarding of the degree.

1. As soon as possible after admission to candidacy the supervising professor shall be appointed. Under usual circumstances this faculty member should be selected by the student with the guidance and approval of the Committee on Graduate Studies. The appointment would be made after obtaining the consent of the individual selected.

2. On the recommendation of the student and the supervising professor, the Committee on Graduate Studies shall consider names of at least four other members for the Supervising Committee. Two of the members shall be faculty members of the program and two shall be from a supporting area.

An additional member of the committee should be from outside this institution. The names of the proposed Supervising Committee with the Supervising Professor as chairman shall be submitted to the Graduate Executive Committee for approval.

3. The Dean on receiving the recommendations from the Committee on Graduate Studies may appoint an ad hoc committee of three faculty members to review the composition of the Supervising Committee and submit its recommendation for approval or disapproval to the Graduate Executive Committee. In the event the Graduate Executive Committee does not approve the proposed Supervising Committee, this fact along with any recommendations shall be returned to the Committee on Graduate Studies for reconsideration and resubmission.

4. At an early date, the Supervising Professor will convene the Supervising Committee to discuss with the candidate the problem chosen for the dissertation and proposals for its solution. At appropriate intervals thereafter progress reports (written or oral) shall be presented so that the current status of the work may be evaluated. In this way, the Committee will be kept fully informed and provided with continued input into the problem early in the training program.

The Final Oral Examination will be conducted by the Supervising Committee with the Supervising Professor as Chairman. All interested persons may attend and have the right to question the candidate. Only the Supervising Committee will vote on the examination; more than one dissenting vote will indicate failure. In the event of a failing performance, the Committee will decide upon the appropriateness of another examination.

NOTE: Students may not register for dissertation until admitted to candidacy. Registration for the doctoral dissertation must cover a longer period than 1 semester. (If the degree is to be received in June, the candidate must register for Dissertation the previous September.)

#### MASTER OF ARTS DEGREE

The Master of Arts degree need not be a stepping stone to the Ph.D. degree. A qualified applicant without the degree may be admitted directly to a doctoral program.

The procedures for the M.A. degree will follow closely those outlined for the Ph.D. degree. The Committee on Graduate Studies may or may not elect to examine the student prior to recommending admission to candidacy and selection of the Supervising Committee. Generally within the last year the student will select a Supervising Professor, and with the advice of the Committee on Graduate Studies select a Supervising Committee composed of two additional faculty members from the student's major area and one from a minor area. The Final Oral Examination may include general aspects of the student's major and minor fields of study in addition to the defense of the thesis. The Supervising Committee will notify the Graduate Executive Committee when the candidate has completed satisfactorily the assigned academic program, and as applicable, a final oral examination and a thesis. Upon their approval, the Dean will recommend the awarding of a Master of Arts degree to the candidate.

Since requirements for degrees in the Graduate Programs may change, the student is bound only by the requirements in force at the time of his or her admission with a six-year limit; however, the student may elect to fulfill subsequently approved requirements. Also, it is important for the student to remember that any academic course whether taken at The University of Texas Health Science Center at San Antonio or elsewhere completed more than six years prior to the end of the student's final semester may not be accepted for credit even if it appears on the official academic program. It may be necessary to repeat the course or replace it with a substitute approved by the Committee on Graduate Studies.

The following items must be completed in the semester that the candidate graduates according to the schedule:

a. Diploma Name Card\*

Ph.D. - Not later than the end of first 2 weeks of semester  
M.A. - Not later than the end of first 2 weeks of semester

b. Dissertation or Thesis Data Sheet\*

Ph.D. - Not later than 75 days prior to graduation  
M.A. - Not later than 60 days prior to graduation

c. Request for Final Oral<sup>\*</sup>, Vita<sup>+</sup> (one copy\*\*), Abstract<sup>+</sup> of Dissertation or Thesis (20 copies\*\*)

Ph.D. - Not later than 45 days prior to graduation  
M.A. - Not later than 30 days prior to graduation

- d. Date of Final Oral
  - Ph.D. - Not later than 30 days prior to graduation
  - M.A. - Not later than 20 days prior to graduation
- e. Report of Final Oral\*
  - Ph.D. - Not later than 25 days prior to graduation
  - M.A. - Not later than 15 days prior to graduation
- f. Copy of Approval Page+ for Dissertation or Thesis
  - Ph.D. - Not later than 25 days prior to graduation
  - M.A. - Not later than 15 days prior to graduation
- g. Dissertation+ (3 copies\*\*) or Thesis+ (3 copies\*\*)
  - Ph.D. - Not later than 25 days prior to graduation
  - M.A. - Not later than 15 days prior to graduation
- h. List of schools attended during Graduate Studies\*
  - Ph.D. - Not later than 25 days prior to graduation
  - M.A. - Not later than 15 days prior to graduation
- i. Microfilm Agreement\*
  - Ph.D. - Not later than 25 days prior to graduation
- j. Copyright Disclaimer\*
  - Ph.D. - Not later than 25 days prior to graduation
- k. Survey of Earned Doctorate\*
  - Ph.D. - Not later than 25 days prior to graduation
- l. Receipts from Cashier for publication of abstract, microfilming and/or binding
  - Ph.D. - Not later than 25 days prior to graduation
  - M.A. - Not later than 15 days prior to graduation

\* Forms available in Office of Graduate School of Biomedical Sciences

\*\* Preferably multilith or Copy Center copies (acceptable as originals)

+ See "Instructions for Preparation of Theses, Dissertations and Dissertation Abstracts"

## PROGRAM IN ANATOMY

## OBJECTIVES OF GRADUATE WORK

This program is designed to provide the student with academic research, technical, experimental and teaching backgrounds which will enable an individual to qualify for a rewarding career of teaching and research in medical, dental, nursing or other allied health fields.

## PROGRAMS OF GRADUATE WORK

The courses required depend on the goal of each individual student. The faculty's research interest is focused upon four main areas: cell biology, ultrastructure, neurosciences and reproductive biology. A sufficiently large variety of courses is available on this campus to suit the program of each student. Students acquire teaching experience by assisting with instruction to medical and dental students. Students working for the Doctor of Philosophy degree must pass departmental preliminary examinations before admission to candidacy.

Requirements for the Master of Arts degree specify 30 semester hours of work including a thesis. For the Doctor of Philosophy degree, a dissertation based on the results of a research project is required.

## PHYSICAL FACILITIES

Each faculty member maintains a laboratory containing specialized equipment useful for research in the area of interest. In addition, the department maintains special all-purpose facilities including: two electron microscopes and all necessary equipment for ultrastructural studies; a radioautography laboratory, photographic dark rooms, radioisotope counting facilities, ultracentrifuges, spectrophotometers and other apparatus necessary for modern metabolic, anatomical and chemical studies, complete micro- and macro-cinematography facilities; animal quarters which house a number of invertebrate, amphibian and mammalian species. The school maintains a machine shop as well as computer and visual aid support groups. The Health Science Center Library contains a comprehensive collection of journals and books in the anatomical and other biological fields. Ample study and laboratory space is available for a substantial number of anatomy graduate students.

## FACULTY

Department Chairman -- Professor Edward G. Rennels

Professor Alexis L. Burton

Tissue culture cinematography and experimental cytology

Professor John J. Ghidoni\*\*

Cardiovascular pathology

Professor Frank Harrison, President of The University of Texas Health Science Center

Neuroscience, health professions education

Professor William H. Knisley, Vice Chancellor for Health Affairs, The University of Texas System

Pulmonary circulation, health professions education

Professor Clarence W. McNutt

Genetics, mammalian development

Professor Edward G. Rennels

Reproductive biology, endocrinology

Professor Jim L. Story\*\*

Experimental neurosurgery

Associate Professor Erle K. Adrian, Jr.

Cellular responses to neural damage

Associate Professor Ivan L. Cameron

Cell biology, cell reproduction and differentiation

Associate Professor Gene L. Colborn

Ultrastructure and morphogenesis of the cardiovascular system

Associate Professor Nobuyoshi Hagino

Reproductive biology, neuroendocrinology

Associate Professor Frederick T. Lynd\*\*

Comparative gross and microscopic anatomy

Associate Professor Russel J. Reiter

Neuroendocrinology

Associate Professor Vick Williams

Ultrastructure of nervous tissue

Associate Professor William B. Winborn

Cellular ultrastructure

Assistant Professor Hou-Chi Dung

Neurological mutations of the mouse; ultrastructure of lymphoid tissues

Assistant Professor Marshall L. Houston

Embryology and placentology

Assistant Professor Martin A. Kramen\*\*

Developmental Biology

Assistant Professor William W. Morgan

Brain biogenic amines, diurnal rhythms, neuroendocrinology

Instructor E. Phyllis Bowie  
Immunocytology of pituitary gland

Chairman, Committee on Graduate Studies - Edward G. Rennels

Graduate Advisor - Ivan L. Cameron

\*\* Staff members with joint appointment in Department of Anatomy and major appointment in another department.

## SPECIFIC DEGREE REQUIREMENTS

Master of Arts Degree. For the Master of Arts degree in the Department of Anatomy a minimum of 30 semester hours of graduate credit is required. A thesis and final thesis examination are required for the Master's degree in this department.

Upon application to the Graduate Program, dental or medical students who have already demonstrated adequate graduate level proficiency in the basic courses in anatomy and other areas may be admitted to the Master's degree program. These students will be required to take at least 12 additional semester hours of advanced graduate level course work in addition to the necessary credit hours for research and thesis.

Doctor of Philosophy Degree. Graduate study programs leading to the degree of Doctor of Philosophy will depend upon the student, the area of specialization which culminates in the dissertation, and the professional career for which the student is preparing. It is expected that all graduate students working towards the Doctoral degree in Anatomy will be required to take the following introductory courses:

1. Microscopic Anatomy
2. Human Embryology
3. Neurosciences
4. Gross Anatomy

These courses are presently given in conjunction with The Medical or Dental Schools and should be considered as background courses for the graduate students in anatomy. In addition to the above courses, each graduate student should take or should have taken an acceptable course in biochemistry and an acceptable course in physiology (i.e., through systems physiology).

Based on the research interest of the faculty the following five special advanced level graduate courses will be offered on a regular basis:

1. An advanced course in Gross Anatomy
2. Cell and Quantitative Biology
3. Neurobiology which includes aspects of neurochemistry, neurophysiology, neuroanatomy and some neuropharmacology
4. Reproductive Neuroendocrinology
5. Electron Microscopy - a course in ultrastructure and use of the electron microscope

Two of the courses on this list are required of all anatomy graduate students. Additional graduate courses will be offered by the department and students

may be required to select additional courses from these.

The individual program leading to the Doctor of Philosophy degree will be planned by the student and his faculty advisor. This plan is to be approved by the Committee on Graduate Studies. Admission to a graduate program is not to be interpreted as admission to candidacy for the Doctor of Philosophy degree. Advancement to doctoral candidacy requires approval of the Committee on Graduate Studies and is based upon the total record of his performance in the graduate courses and successful completion of qualifying examinations. These examinations will be written and oral. The qualifying examination will not be given until the student has demonstrated reading proficiency in one foreign language.

Procedural Sequence for Graduate Students Working Towards a Ph.D. Degree

1. During the first year each new incoming student must have an academic advisor. Students who do not request a specific advisor will have one appointed by the program's Graduate Advisor. Appointment of advisors to students will be on a rotating basis among the various faculty members who wish to serve as advisors. It is suggested that every student spend some time in the laboratories of two or three faculty members during his first two years. It is suggested that at least two different research areas be represented in the selection of these early laboratory research experiences. During this research exposure the student will be expected to participate in ongoing research projects but will not be required to undertake an independent research project. The duration of exposure in a particular laboratory need not be more than one month.
2. By the end of the second year of Graduate School a student should select a research area of interest and a research advisor. This research advisor need not of necessity be the chairman of the qualifying examination committee.
3. It is strongly recommended that the qualifying examination (written and oral) be taken at the end of the second year, but it must be taken by the end of the third year.
4. During the course of the Ph.D. program, every student must assist in the teaching of at least two different anatomy courses.

## GRADUATE COURSES

The course offerings in the Graduate Programs are contingent upon adequate student enrollment.

Microscopic Anatomy 4 semester hrs.

Lectures, conferences, demonstrations, and laboratory work on the microscopic anatomy of the tissues and organs of the human body. Laboratories deal with microscopic slides of the body's tissues.

Staff \$8 lab fee

Gross Anatomy 7 semester hrs.

Lectures, conferences, and laboratory work covering the entire human body. Four students are assigned to a cadaver and each student is given a disarticulated skeleton for study. Laboratory study is supplemented with permanent dissections, prosections, and roentgenograms.

Staff \$8 lab fee

Medical Embryology 2 semester hrs.

A lecture series on human development covering normal and abnormal aspects.

Staff

Neuroscience 5 semester hrs.

Lectures, conferences, laboratories deal with study of the anatomy and function of the brain and spinal cord. Presentation of neurological cases. Primarily designed for medical students and taught by interdisciplinary task force from the Departments of Anatomy, Pharmacology, Physical Medicine and Rehabilitation, Physiology, Medicine and Surgery.

Task Force Staff \$8 lab fee

Cell and Qualitative Biology 4 semester hrs.

The course meets on two afternoons per week and includes both lecture material and laboratory work. The students will be introduced to procedures used in cell biology research and in the analysis and presentation of data. Laboratory techniques and projects are emphasized. At least five students must register for the course.

Prerequisite: Biochemistry

I. L. Cameron and W. W. Morgan

Electron Microscopy 3 semester hrs.

Introductory techniques; selected readings on techniques and instrumentation accompanied by practical application in all aspects of tissue preparation, microscopy and photography

Research on selected or assigned problems.

W. B. Winborn

Ultrastructural Studies of the Nervous System 3 semester hrs.

Individual research projects to study various aspects of the ultrastructure of the nervous system, particularly cellular reactions to injury.

Prerequisite: Electron Microscopy course should precede this course

V. Williams

Problems in Neurochemistry 3 semester hrs.

Individual research projects to study the role or relationship of biogenic amines or nucleic acids in the brain to circadian rhythms, anesthesia, barbiturate addiction, or to the regulation of pituitary function. Emphasis will be placed on the practical use of spectrofluorometric and radioisotope procedures to study the chemistry of the biogenic amines in vivo.

Maximum students during period: five

Prerequisite: General Biochemistry and Neuroscience

W. W. Morgan

Endocrinology of Reproduction 3 semester hrs.

Lectures and seminars on anatomy, biochemistry and physiology of pituitary, gonads, and neural structures regulating reproductive processes. Laboratory exercises on alternate weeks will demonstrate procedures and techniques and enable students to explore certain areas of current research.

Prerequisite: Microscopic Anatomy, Neurosciences, and General Biochemistry

N. Hagino, M. Kramen, R. J. Reiter, and E. G. Rennels

Seminars in Reproduction 1 semester hr.

Weekly 2 hour lectures and seminars on current status of reproductive topics.

Topics to be selected each week.

Prerequisite: None

M. Kramen

Problems in Neuroendocrinology 3 semester hrs.

Literature search and specific research projects designed to acquaint the individual with the neuroendocrine mechanisms of reproductive physiology. Studies will deal primarily with the influences of the external environment and the pineal gland on the regulation of pituitary gonadotropins.

Prerequisite: Neuroscience course

R. J. Reiter

Anatomy of the Newborn 2 semester hrs.

Laboratory and conference. Detailed gross dissection and study of the newborn with special emphasis on developmental origins, features and relationships differing from the adult.

Prerequisite: Gross Anatomy course

C. W. McNutt and V. Williams

Regional Anatomy of the Back, Head and Neck 3 semester hrs.

Students will participate in lectures, dissections, presentations of prosected material and teaching in the first year gross anatomy laboratory.

Prerequisite: Gross Anatomy course

E. K. Adrian

Regional Anatomy 3 semester hrs.

Laboratory and conference. Study of anatomy associated with one of the medical specialties such as orthopedics, obstetrics and gynecology, etc.; detailed dissection, selective reading and consultation with clinical staff.

Prerequisite: Gross Anatomy course

C. W. McNutt, V. Williams, G. Colborn and H. C. Dung

Anatomy of the Thorax 3 semester hrs.

Intensive study of general thoracic anatomy, with special consideration given to the gross and microscopic architecture of the heart. Readings of classic and current literature will be supplemented with dissection of human and animal materials.

Prerequisites: Gross Anatomy and Microscopic Anatomy

G. L. Colborn

Cytophysiology of the Pituitary Gland 2 semester hrs.

Selected readings and laboratory exercises related to the dynamic aspects of gonadotrophic hormone secretion; active participation in current studies of

follicle stimulating hormone and luteinizing hormone control mechanisms.

Prerequisite: Microscopic Anatomy course

E. G. Rennels

Neurobiology 4 semester hrs.

Lectures, conferences, demonstrations and laboratories dealing with aspects of neurochemistry, neurophysiology, neuroanatomy and neuropharmacology.

Prerequisite: Neuroscience course

Staff

Problems in Cell Biology 3 semester hrs.

Specific research projects dealing with some aspect of cell biology.

Prerequisite: General Biochemistry and Microscopic Anatomy

I. L. Cameron

Medical Genetics 2 semester hrs.

Lectures and conferences on the application of genetic principles to development of functions or diseases of man.

C. W. McNutt

Scientific Cinematography Applied to Basic Sciences 3 semester hrs.

Theory and practices of the production of motion picture films for research or teaching purposes. This program includes a large variety of projects from which each student can select one related to his own interest. Besides regular cinematography, many other techniques (cinemacrography, cinemicrography, animation, time-lapse, editing, sound, etc.) are included.

A. L. Burton

Histopathologic Studies of Mutant Mice 3 semester hrs.

Microscopic slides and electron micrograph of various organs from normal and neurological mutants will be studied.

Prerequisite: Microscopic Anatomy course

H. C. Dung

Supervised Teaching in Anatomical Sciences 2 or 3 semester hrs.

Participation in the teaching program of the first year medical or dental curriculum. Semester hours variable depending on time spent in teaching.

Staff

History of Anatomy 1 semester hr.

Lectures, assigned readings, and student presentations dealing with the great anatomists and their discoveries.

E. K. Adrian

Anatomy Seminars 1 semester hr.

Attendance and participation in the regularly scheduled Anatomy Department seminar series. In general, each student will be required to present one seminar session.

Staff

Research Credit to be arranged

Individual research projects conducted under the direction of a student's supervising professor.

Staff

Thesis Credit to be arranged

For Master of Arts candidates. Instruction on and preparation of the thesis.

Staff

Dissertation Credit to be arranged

Prerequisite: Admission to candidacy for Doctor of Philosophy degree.

Staff

## PROGRAM IN BIOCHEMISTRY

## OBJECTIVES OF GRADUATE WORK

To offer the student advanced training in the field of Biochemistry so that he or she shall be able to pursue a career of independent research and teaching.

## PROGRAMS OF GRADUATE WORK

In the initial phase of the program the student takes formal courses in several areas of biochemistry as well as in cognate areas such as chemistry, microbiology, physiology or biophysics. This aspect of the training is designed to strengthen and broaden the student's general knowledge in the biological and chemical sciences. Also during this period the student participates in a biochemical techniques course which familiarizes the student with current techniques and instruments routinely used in this field. Students participate in seminar courses, the purpose of which is to introduce them to the current literature. These seminars attempt to teach the student a critical approach to the literature.

In the latter part of the training period, the student chooses an area of biochemical interest and pursues a research problem leading to a dissertation. Throughout this period when a reasonable mastery of the subject matter has been achieved, the student participates in the teaching activities of the department. Initially, this is limited to supervised teaching in conference sections for medical and dental students and eventually leads to presentation of formal lectures.

Major emphasis is on the Doctor of Philosophy degree program, although a limited number of Master of Arts degree candidates are considered.

## PHYSICAL FACILITIES

The Department of Biochemistry contains approximately 12,000 sq. ft. of well-equipped laboratory space. The following major pieces of equipment are available: preparative ultracentrifuges; analytical ultracentrifuge; scintillation counters; low background Geiger counter; radioactive strip scanners; Cary recording spectrophotometers; Gilford spectrophotometers; all types of chromatography apparatus; high and low voltage paper electrophoresis; sonicators, French press and other types of homogenizers for breaking cells; gas chromatography equipment; fraction collectors; cold rooms. All of the routine glassware found in a modern biochemistry laboratory is available.

## FACULTY

Department Chairman - Professor Armand J. Guarino

Adjunct Professor Dale A. Clarke

Atherosclerosis, its biochemical mechanism, including the metabolism of the lipoproteins and their component lipids, particularly cholesterol.

Professor Alan D. Elbein

Biosynthesis and metabolism of complex carbohydrates including cell walls, glycoproteins and various storage compounds. Mechanism of protein secretion. Interrelations between enzymes and various other macromolecules.

Professor Armand J. Guarino

Structure and biosynthesis of the cell walls of fungi.

Professor Caspar W. Hiatt \*\*

Molecular photobiology; microbial biophysics.

Professor Jonathan S. Nishimura

Mechanisms of enzyme action with particular emphasis on transphosphorylation reactions in which coenzyme A participates.

Associate Professor Roy W. Keenan

The chemistry and metabolism of the lipids, particularly the phospholipids, sphingolipids and the investigation of the factors which govern the biosynthesis and degradation of these compounds.

Associate Professor John C. Lee

Studies on the structure and function of ribonucleic acids and ribosomes. Hemoglobin differentiation and its relationship to hemoglobinopathies.

Adjunct Associate Professor John R. Rowlands

The application of nuclear magnetic resonance, electron spin resonance and magnetic circular dichroism to biological problems.

Associate Professor Robert A. Weisman

Changes of structure and function of RNA polymerase during differentiation and its relation to the synthesis of new RNA; the control of cellulose synthesizing enzymes; the role of adenylyl cyclase and cyclic AMP in encystment of amoebas.

Assistant Professor Marvin L. Chatkoff \*\*

Molecular actions of progesterone and estrogen in the endometrium of the human uterus. Interactions of steroids with chromatin and their effect on the control of transcription and DNA replication. Induced changes in the secondary and tertiary structure of DNA.

Adjunct Assistant Professor Gary Johnston

Assistant Professor Allan W. Rees

Physical biochemistry of macromolecules, and structure and configuration chromatin, particularly with respect to how the folding or coiling of DNA strands is controlled by the chromosomal proteins. Other research interests include centrifugal and viscometric methodology and the comparison of structure and physical properties of lysozymes.

Assistant Professor David M. Shapiro

The metabolic control of DNA and RNA synthesis in both bacterial viruses and mammalian systems.

Chairman, Committee on Graduate Studies - Armand J. Guarino

Graduate Advisor - Alan D. Elbein

\*\* Staff member with joint appointment in Department of Biochemistry and major appointment in another department.

#### SPECIFIC DEGREE REQUIREMENTS

Applicants for admission should have a B.A. or B.S. degree and have completed the following undergraduate courses: one year of Biology, one year of Calculus, one year of Physics, one year of Organic Chemistry and one year of Physical Chemistry. Applicants lacking one of these requirements may receive acceptance contingent upon satisfactory completion of this requirement.

Students pursuing the Doctor of Philosophy degree will be expected to acquire a comprehensive knowledge of biochemistry, which will be determined by a qualifying examination. Students will also be expected to demonstrate proficiency in at least one cognate area. This may be in chemistry, microbiology, physiology, biophysics or some other suitable field. A dissertation, which represents an original contribution to the field of biochemistry and which is publishable in a reputable, scholarly journal, will be required of all candidates for the degree of Doctor of Philosophy.

The requirements for the Master of Arts degree will be less rigorous than those for the Ph.D. degree. These requirements may be met by a thesis or an approved substitute.

## GRADUATE COURSES

The course offerings in the Graduate Programs are contingent upon adequate student enrollment.

Cell and Molecular Biology 8 semester hrs.

This course is designed primarily for medical students but may be taken for graduate credit under unusual circumstances and with the approval of the department. Topics included are the chemistry and metabolism of carbohydrates, lipids, amino acids, proteins and nucleic acids.

Prerequisite: General chemistry, organic chemistry and physics.

Biochemistry staff

General Biochemistry 5 semester hrs.

This course is a survey of the field of biochemistry designed for graduate students. It covers such areas as protein structure, enzymology, the metabolism and chemistry of carbohydrates, lipids, amino acids and nucleotides as well as the synthesis and function of macromolecules.

Prerequisite: General chemistry, organic chemistry and physics.

Biochemistry Staff

Dental Biochemistry 6 semester hrs.

This course is primarily designed as a survey course for dental students. On a limited basis, a small number of graduate students may be accommodated. The course is basically a brief survey of the metabolism of the major classes of foodstuffs. A portion of the course deals with matters relating to the biochemistry of the oral cavity.

Prerequisite: Organic chemistry, biology and permission of instructor.

Lee, Keenan

Biochemical Techniques (Credit to be arranged)

An introduction to the use of modern biochemical techniques and instruments, as well as a presentation of the principles governing their operation.

Topics such as ultracentrifugation, high voltage electrophoresis, protein fractionation, laboratory methods in enzymology, various types of chromatography will be included.

Prerequisite: Survey course in biochemistry or permission of instructor.

Biochemistry Staff

## ADVANCED BIOCHEMISTRY

Graduate students in the Biochemistry Program would normally take six to eight of the following courses:

Nucleic Acid Metabolism 1 semester hr

3 hours per week for 5 weeks

The specific metabolism of nucleic acids is discussed with particular emphasis on the regulation and mechanism of DNA and RNA biosynthesis. A major emphasis will be placed on the experimental methodology employed in this field.

Prerequisite: a survey course in biochemistry.

Shapiro

Biochemistry of Development 1 semester hr

3 hours per week for 5 weeks

A critical evaluation of biochemical and molecular events during the development of selected biological systems with emphasis on microbial and animal differentiation.

Prerequisite: A survey course in biochemistry.

Lee, Weisman

Enzymology

3 hours per week for 10 weeks 2 semester hrs

A study of the structure, regulation and mechanism of action of enzymes. Particular emphasis will be placed on the kinetics of enzymatic reactions, structure-function relationships and the nature of allosteric interactions.

Prerequisite: A survey course in biochemistry.

Nishimura, Weisman

Biochemistry of the Amino Acids 1 semester hr

3 hours per week for 5 weeks

A study of the chemistry and metabolism of amino acids. Particular emphasis will be placed on their biosynthesis in plants and animals as well as their metabolic fates other than incorporation into proteins.

Prerequisite: A survey course in biochemistry.

Guarino, Nishimura

## Physical Biochemistry

1 semester hr

3 hours per week for 5 weeks

The theory of physical properties of biological macromolecules, including viscometry, sedimentation velocity and equilibrium, buoyant density banding, associating systems, light scattering, and optical rotatory dispersion and circular dichroism.

Prerequisite: A survey course in biochemistry.

Rees

## Current Aspects of Protein Biosynthesis

1 semester hr

3 hours per week for 5 weeks

Consideration of the mechanism of biosynthesis of proteins, its regulation and enzymology; the relation of RNA metabolism to protein synthesis; the structure, synthesis and function of the ribosomes; and the genetic code.

Prerequisite: A survey course in biochemistry

Lee

## Biochemistry of Carbohydrates

1 semester hr

3 hours per week for 5 weeks

A study of the metabolism of various monosaccharides including the biosynthesis, transformation, and degradation of these compounds. Discussions on the synthesis and turnover of various carbohydrate macromolecules such as glycoproteins and glycosaminoglycans will also be presented.

Prerequisite: A survey course in biochemistry.

Elbein

## Lipid Biochemistry

1 semester hr

3 hours per week for 5 weeks

This course is not intended as a survey of lipid biochemistry, but rather consists of a critical examination of selected topics in lipid chemistry and metabolism. The subjects selected for consideration will depend mainly on the current research activities in the field at the time the course is presented.

Prerequisite: A survey course in biochemistry.

Keenan

Biochemistry Seminar 1 semester hr.

Selected topics of current interest will be presented. These shall be largely student presentations. The purpose of the seminar is to give the student experience in presenting a scientific paper, in thinking critically of the work presented and in defending the scientific presentation before a group of scientists.

Prerequisite: A survey course in biochemistry.

Staff

Research in Biochemistry (Credit to be arranged)

Students will pursue independent research ultimately culminating in a Thesis or Dissertation. This original research shall be under the direction of a faculty advisor.

Staff

Supervised Teaching 1 semester hr.

Teaching medical or dental biochemistry under close supervision of instructors. Management of small conference teaching groups as well as formal lecture presentations will be included.

Staff

Thesis (Credit to be arranged)

Preparation of a Master's Thesis.

Prerequisite: Admission to candidacy for Master of Arts degree.

Staff

Dissertation (Credit to be arranged)

Preparation of Doctoral Dissertation.

Prerequisite: Admission to candidacy for Ph.D. degree.

Staff

## PROGRAM IN BIOPHYSICS

## OBJECTIVES OF GRADUATE WORK

The graduate program in Biophysics is an interdisciplinary offering from the Departments of Bioengineering, Physiology, Laboratory Animal Medicine, and Radiology. Its purpose is to train highly qualified candidates in specialized biophysical sciences which are essential to the education of medical students.

## PROGRAMS OF GRADUATE WORK

Subjects in this category include biomathematics, statistics, medical electronics, medical physics, health physics, radioisotope techniques, computer technology and certain portions of both cellular physiology and biophysical chemistry. Candidates successfully completing this program will be prepared for careers in teaching and research in the health sciences.

## PHYSICAL FACILITIES

Facilities for the program in Biophysics are distributed among the several participating departments and include a total of 15 or more research laboratory modules. The Department of Bioengineering operates an instrument shop with facilities for machine work, glassblowing and electronics fabrication. An EAI 580 Analog Computer is available for use by graduate students.

The Scientific Computer Center has an IBM 1130 computer with 16K core, a card reader and paper tape reader for input, and a line printer and digital plotter for output. This computer can also serve as a terminal for batch processing of data by a remote computer.

Facilities of the Department of Radiology are excellent for students working with ionizing radiation, and a cooperative agreement in effect with the School of Aerospace Medicine, Brooks Air Force Base, permits qualified students to use the superb radiological equipment at that institution. Laboratories of the Department of Physiology are well equipped for the study of membrane biophysics and ionic transport phenomena. Modern facilities for animal experimentation, including histopathological examination of specimens, are provided by the Department of Laboratory Animal Medicine.

## FACULTY

- Professor Richard G. Domey  
Design of experiments, assessment and evaluation of performance
- Professor Benjamin D. Fremming  
Reproductive physiology and experimental surgery
- Professor Caspar W. Hiatt\*  
Molecular photobiology; microbial biophysics
- Professor Peter Zanca  
Radiobiology, new applications of physical techniques in  
diagnostic radiology and nuclear medicine
- Adjunct Associate Professor Richard A. Albanese  
Mathematical models, radiation transport and diffusion theory
- Adjunct Associate Professor James V. Benedict  
Mathematical modeling, medical electronics
- Associate Professor Gerard J. Celitans  
Positrons; gamma-ray spectroscopy; bioelectric phenomena;  
mathematical biophysics
- Adjunct Associate Professor Lloyd W. Johnston  
Radiation physics including megavoltage dosimetry
- Associate Professor Charles Levinson  
Cellular metabolism, ion transport
- Associate Professor Frederick T. Lynd\*  
Veterinary pathology
- Adjunct Associate Professor Robert P. Popovich  
Biomedical engineering, mass transfer, transport phenomena
- Associate Professor Robert G. Waggener  
X-ray spectra measurements, information content of diagnostic  
X-rays, ionizing radiation, new techniques in nuclear medicine  
and bioelectric measurements
- Associate Professor Robert J. Young  
Veterinary radiology and orthopaedics
- Adjunct Assistant Professor David L. Goff  
Radiation physics including computer applications to dosimetry and  
nuclear medicine
- Assistant Professor Antonio C. Gonzalez  
Nuclear medicine techniques including computer applications

Assistant Professor Roger J. M. McCarter  
Muscular contractions and mechanics

Assistant Professor Terry M. Mikiten  
Synaptic transmission; biophysics of excitable membranes

Assistant Professor Thomas C. Smith  
Membrane biophysics, membrane transport

Instructor James W. Winstel  
Mathematical models

Instructor James Hee K. Yoo  
Biophysical control theory; biomedical instrumentation; sensor based  
computer application; chemosensor development and telemetry; artificial  
organs

Assistant Instructor Frank S. Stafford  
Mathematical models; numerical analysis

Chairman, Committee on Graduate Studies - Caspar W. Hiatt

Graduate Advisor - Gerard J. Celitans

\* Staff member with major appointment in a department belonging to the  
Program in Biophysics and a joint appointment in a department not  
belonging to the Program in Biophysics

\*\* Staff member with joint appointment in a department belonging to the  
Program in Biophysics and a major appointment in another department.

#### SPECIFIC DEGREE REQUIREMENTS

Candidates for admission to this program must have a B.S. or B.A. degree in  
science or engineering and must have completed the following undergraduate  
courses:

Biology. One year of General Biology.

Chemistry. One year of Organic Chemistry and Physical Chemistry.

Physics. One year of General Physics, requiring Calculus.

Mathematics. One year of Calculus.

Candidates for the M.A. degree must fulfill the general requirements for  
this degree at The University of Texas Graduate School of Biomedical Sciences  
at San Antonio and, in addition, must submit an acceptable thesis describing  
an original investigation of a subject in the field of Biophysics.

The Ph.D. degree will require submission of an acceptable dissertation describing  
a productive, original research project in Biophysics. Candidates for the  
Ph.D. degree must demonstrate a reading proficiency in at least one  
foreign language.

## GRADUATE COURSES

The course offerings in the Graduate Programs are contingent upon adequate student enrollment.

Principles of Physiology I and II 6 semester hrs.

2 semesters

Lectures and laboratories. A study of the basic concepts of physiology with particular emphasis on a systematic exposition of mammalian physiology.

Prerequisite: General Biochemistry or consent of instructors.

Physical Chemistry I and II 6 semester hrs.

2 semesters

Lectures only. Thermodynamics; chemical equilibria; electrochemistry; surface chemistry; chemical kinetics; irreversible processes; quantum chemistry; spectroscopy; statistical mechanics; theory of kinetics and photochemistry; crystal structure and other structural methods; nuclear and radiation chemistry.

Prerequisite: Consent of instructors.

Introductory Statistics

The three statistics courses listed below are given sequentially in the same semester.

Classical Statistics I 1 semester hr.

3 lectures per week for 5 weeks

Descriptive Statistics and Applications. Emphasis of this course is upon applications to biological problems; normal curve statistics, assumptions, sampling, validity and reliability, central tendency and variability, probability, confidence interval, skewness and kurtosis and transformations.

Classical Statistics II 1 semester hr.

3 hours per week for 5 weeks

Lecture and application problems.

Comparative Statistics and Tests of Hypotheses with Application. Introduction to design of experiments, tests of hypotheses, assumptions, F tests, distributions, comparisons of measures of central tendency and variability, correlation and introduction to bioassay and probit analysis.

Prerequisite: Classical Statistics I or consent of instructor

Distribution-Free Statistics with Applications

1 semester hr.

3 hours per week for 5 weeks

Many measurements do not result in normal curve distributions. This course offers study of non-normal, non-parametric statistical methods, their underlying assumptions and their uses.

Prerequisite: Classical Statistics I and II, or consent of instructors.

General Biophysics I and II

6 semester hrs.

2 semesters

Lectures and occasional laboratory

Biophysics and the living cell; flow of energy and thermodynamics of the living cell; information theory as applied to biology; structure of matter, chemical bonds and intermolecular interactions; structure of water in biological materials; structure of amino acids, proteins and nucleic acids; structure of polysaccharides and lipids, structure of viruses, cells and membranes; methods of determining sizes, shapes and spatial relations of molecular including ultracentrifugation, X-ray analysis, absorption spectroscopy, ionizing radiation and microscopy; biophysical models of muscle, nerve, and eye; the physics of dynamic cellular processes.

Prerequisite: Consent of instructors.

Nuclear Physics and Chemistry I and II

6 semester hrs.

2 semesters

Lectures with occasional laboratory

Nuclear structure: fundamental particles, binding energy and nuclear forces, models of nuclear structure. Nuclear reactions and radionuclides: nuclear bombardment reactions, particle accelerations, neutron sources; nuclear instability and transformations, natural occurrence of radioactivity. Properties of nuclear radiations: alpha and beta particles, neutrons, X-ray and gamma-radiation. Quantitative aspects of radioactive decay and radiation dosimetry. Interaction of radiation with matter: absorption and energy loss; radiation chemistry.

Prerequisite: Consent of instructors.

Radiation Instrumentation 3 semester hrs.

2 hours lecture, 1 hour laboratory per week

Radiation detectors; ionization, scintillation and solid-state devices.

Modular instrumentation units, elements of pulse circuits, multichannel analyzers; X-ray generators, cyclotrons, neutron piles.

Prerequisite: Nuclear Physics and Chemistry, or consent of instructors.

Radiation Biophysics 3 semester hrs.

Lectures only

The interaction of radiation with matter including biological macromolecules at the atomic and molecular levels; excitation and ionization of biological molecules:  $dE/dx$  for charged particles and linear-energy-transfer (LET) for commonly encountered radiation, yield of chemical species following radiation of aqueous solutions; the effect of ionizing radiation on biological macromolecules including bacteria and animal cells grown in vitro; theoretical basis of quality factors and relative biological effect (RBE).

Prerequisite: General Biophysics, or consent of instructors.

Membrane Biophysics 3 semester hrs.

Lectures only

Application of the laws and methods of physics to membrane characteristics and function.

Prerequisite: General Biophysics, or consent of instructors.

Mathematical Physiology 3 semester hrs.

Lectures only

Techniques of the mathematical approach to descriptions of physiological processes. Fundamental concepts in calculus and differential equations will be developed and applied to data analysis.

Prerequisite: Consent of instructors.

Biostatistics I and II 6 semester hrs.

2 semesters

Lectures only

Multiple correlation and regression, including stepwise, inductive and canonical correlation; analysis of variance, analysis of complex variance, non-normal and non-parametric statistics forms. Emphasis on research design.

Prerequisite: Classical Statistics or consent of instructors.

Analog Simulation 3 semester hrs.

2 hours lecture, 1 hour laboratory per week

Analog computer programming, including iterative techniques and application of the analog computer to simulation of biological systems.

Prerequisite: Consent of instructors.

Scientific Computer Programming 3 semester hrs.

2 hours lecture, 1 hour laboratory per week

Fortran and its use in the solution of scientific problems with emphasis on numerical methods.

Prerequisite: Consent of instructors.

Quantum Mechanics 3 semester hrs.

Lectures only

Principles of quantum mechanics and quantum processes in physics, chemistry and biology.

Prerequisite: Consent of instructors.

Biophysical Electronics 3 semester hrs.

Lectures with occasional laboratory

Outline of basic theory of electronic circuitry and review of electronic instrumentation used in biophysics and medicine; principles of electricity and magnetism, electron circuits, detectors and transducers will be stressed.

Prerequisite: Consent of instructors.

Radiation Biology 3 semester hrs.

Lectures with occasional laboratory

The effect of radiation on biological macromolecules; the effect of radiation at the cellular level; direct and indirect effect of radiation; target theory, survival curves and the interpretation of survival data; the effect of radiation at the tissue and organ level; the effect of whole body irradiation; modification of radiation response including oxygen effect and use of sulfhydryl compounds; the theoretical basis of radiation therapy, the genetic effect of population exposure to radiation; theoretical basis of radiation protection laws.

Prerequisite: General Biochemistry, or consent of instructors.

- Principles of Health Physics 3 semester hrs.  
Lectures only  
Basic fundamentals of protection against both ionizing and non-ionizing radiation. Principles of radiation measurements and instrumentation.  
Laws and regulations concerning exposure to radiation, concept of permissible dose and determination of maximum permissible dose, dosimetry of external radiation fields and internal emitters. Calculation of shielding requirements and protective measures.  
Prerequisite: Consent of instructors.
- Endocrine Physiology 3 semester hrs.  
Lectures only  
Study of hormones and the regulation of target organ function in integrated biological systems.  
Prerequisite: Principles of Physiology, or consent of instructors.
- Molecular Basis of Hormone Action 2 semester hrs.  
Lectures only  
Mechanisms by which hormones regulate protein synthesis, gene transcription and cell division.  
Prerequisite: Principles of Physiology, or consent of instructors.
- Physiology of Nerve and Muscle 3 semester hrs.  
Lectures only  
Historical concepts and contemporary views of neural systems as well as mechanisms of muscle and nerve functions.  
Prerequisite: Principles of Physiology, or consent of instructors.
- Isotopes in Biology and Medicine 3 semester hrs.  
Lectures with occasional laboratory  
Radiation detection methods; statistics; assay of isotopes, preparation of tagged compounds, use of isotopes in animals; use of isotopes in humans; radiation protection. (Not for students in the Biophysics program.)  
Prerequisite: Consent of instructors.

Molecular Photobiology 3 semester hrs.

Lectures only

Effects of ultraviolet and visible light upon cells, viruses, nucleic acids, and proteins; reactivation phenomena and their implications in molecular biology.

Prerequisite: Consent of instructors.

Physical and Theoretical Basis of Radiology 3 semester hrs.

Lectures only

The electromagnetic spectrum; information theory; statistics; instrumentation and electronics of radiology; production of X-rays, interaction of X-rays with matter; detection of X-rays; imaging devices; contrast and contrast-to-fluctuation ratio; thermography and ultrasound.

Prerequisite: Consent of instructor.

Medical Radiation Physics I and II 8 semester hrs.

2 semesters

Lectures with weekly laboratory

Measurement and characterization of ionizing radiation fields. Dosimetry of ionizing radiation. Characterization and measurement of radiation distributions in vivo from external beams, implants, internal applicators and internal isotopes.

Selected Topics in Cell Physiology 2 semester hrs.

Lectures only

Current views of cellular control mechanisms, including membrane phenomena and organelle function.

Prerequisite: Principles of Physiology, or consent of instructors.

Biological Control Systems 3 semester hrs.

Lectures only.

Introduction to modern control theory and applications to biological systems.

Prerequisite: Analog Simulation, or consent of instructors.

Biology and Experimental Methods of Animal Models 3 semester hrs.

2 lectures and one 2 hour laboratory per week

Comparative structure and function of commonly used laboratory animal models;

experiments involving animals; forensic responsibilities of investigators;  
animal experimental design. Maximum number of students: 12.

Preference will be given to students admitted to Graduate Programs.

Prerequisite: Consent of instructors.

Experimental and Developmental Surgical Methods of 3 semester hrs.

Animal Models

2 lectures and one 3-hour laboratory per week

Fundamentals of experimental surgery; principles of developmental research  
procedures; methods of viable organ and tissue preparations.

Prerequisite: Consent of instructors.

Mathematical Preparation for Biology 3 semester hrs.

Lectures only

Powers and logarithms; dimensions; graphical interpretation of data;  
exponential processes; transport phenomena, diffusion and sedimentation;  
systems theory; mathematical models and their uses. (Not for students in  
the Biophysics Program.)

Prerequisite: College algebra

Seminar in Biophysics 2 semester hrs.

Selected topics in various aspects of biophysics.

Supervised Teaching 1 semester hr.

Presentation of lectures and management of conference sections under close  
supervision of instructors.

Research in Biophysics Credit to be arranged

Independent, original research under the direction of a faculty advisor.

Thesis Credit to be arranged

Required of students admitted to candidacy for the M.A. degree.

Dissertation Credit to be arranged

Required of students admitted to candidacy for the Ph.D. degree.

## PROGRAM IN MICROBIOLOGY

## OBJECTIVES OF GRADUATE WORK

The graduate program has been designed to provide broad coverage of the role of microbiology and immunology in the present-day biomedical world and in fundamental areas of biology before specialization. The objective of the training is to develop students as competent scientists with the proficiency in one particular area of microbiology or immunology that will qualify the individual for a professional career in teaching, research or scientific administration.

## PROGRAMS OF GRADUATE WORK

The Department offers wide-ranging opportunities for graduate work. The areas of specialization include medical bacteriology, virology, mycology, parasitology, and immunology. On-going research extends from purely basic problems with focus at the molecular level to clinical investigations involving animals and humans. The programs are designed to give ample opportunity for learning and demonstration of independent initiative. In addition to the active program for training graduate students, the Department is responsible for teaching of both medical and dental students. Some of the staff are deeply involved in the professional direction of diagnostic work for clinic and hospital patients. The research problems are both clinically-oriented and fundamental investigations in microbiology and immunology. This combination contributes to the development and successful operation of an effective, modern department.

## PHYSICAL FACILITIES

The Department occupies about 9,000 square feet of space; some 7,500 provide 12 well-equipped research laboratories and an electron microscopy suite including complete darkroom facilities with high resolution electron microscope, vacuum evaporator, Nikon comparator, microtome and knife maker. Major equipment includes a Model E analytical centrifuge, ultracentrifuges, numerous spectrophotometers, liquid scintillation counters, Ribi cell fractionator, high voltage electrophoresis equipment, lyophilizer and Warburg respirometer. Adequate facilities are available for growth of large quantities of bacteria, fungi and viruses; cold rooms provide space both for experimental work at reduced temperatures and for storage; and limited space in ultra low temperature freezers and liquid nitrogen banks is available to staff and students.

The departmental library contains 400 relevant reference books and subscribes to most of the major journals covering related areas of interest.

FACULTY

Department Chairman - Professor Alexis Shelokov

Professor Joe A. Bass

Mechanisms of bacterial pathogenicity; host response to bacterial infection; nosocomial and opportunistic infections.

Professor William T. Kniker \*\*

Immunopathology: In vivo and in vitro mechanisms of immunologically induced diseases; detection and characterization of immune reactants; mediators of inflammation; pharmacologic blocking of mediator systems. The biologic significance of bascular basement membranes and their soluble products. Isolation and characterization of group and strain specific microbial antigens.

Adjunct Professor Robert E. Kuntz

Biology and epidemiology of schistosomiasis and other helminthic diseases.

Adjunct Professor Alexander McCracken

Pathogenesis and pathology of infectious diseases; virologic investigations of clinical syndromes.

Professor Robert H. Persellin \*\*

Naturally occurring regulators of inflammation; modifiers of lysosome permeability.

Professor Alexis Shelokov

Etiology and pathogenesis of viral diseases; viral vaccines; epidemiology and control of infectious diseases, tropical infectious diseases; arthropodborne viruses; epidemic hemorrhagic fevers.

Professor Kendall O. Smith

Latent and masked viruses; the possible role of viruses in cancer and viral immunology; chronic degenerative disease in humans.

Professor Robert L. Taylor

Medical mycology - the immunogens of pathogenic fungi and their role in humoral and cell-mediated responses in experimental models. Broad aspects of the laboratory diagnosis and epidemiology of mycoses.

Ecology of pathogenic fungi.

Adjunct Associate Professor Raymond Damian

Immunological parasitology: host-parasite relationships especially immunological basis of resistance to parasite infections.

Adjunct Associate Professor Betty June Myers

Biology of schistosomiasis, zoonoses, and systematic helminthology.

Associate Professor Daniel E. Thor\*

Cellular immunology and the production of mediator substances. Clinical and basic immunology and in vitro models of cell-mediated immunity.

Carcinogens and cell associated antigens of tumor immunity. Applied immunology in clinical infectious disease and pathology.

Associate Professor Dennis W. Trent

Biochemistry and genetics of group B arbovirus replication with emphasis on the synthesis of viral RNA and proteins, morphogenesis and virion ultrastructure. Antigenic analysis of group-reactive and type-specific viral proteins.

Assistant Professor Jerry J. Eller\*\*

The pathogenesis and immunology of myxovirus infections, particularly surface immunity.

Adjunct Assistant Professor Nathan D. Greene

Immunological Parasitology: host-parasite relationships, especially immunological basis of resistance to parasite infections. Development of experimental models.

Assistant Professor John T. Harrington, Jr.\*\*

Cell-mediated immunity in neoplasia and autoimmune disease.

Assistant Professor Thomas W. Huber\*\*

Diagnostic microbiology; relation of L-forms to chronic human infection; mycoplasma.

Assistant Professor Eric E. M. Moody

Molecular genetics - the regulation of DNA replication, recombination and repair systems. The evolution and epidemiology of transmissible plasmids with special emphasis on transferable antibiotic resistance factors.

Mechanisms of antibiotic resistance in Neisseria gonorrhoeae.

Genetics of mammalian cells.

Assistant Professor Frederick A. Rommel\*\*

Investigations of action of complement, invertebrate immunity and marine toxins.

Assistant Professor Barbara A. Sanford

Pathogenic bacteriology and tumor immunology.

Instructor Warren D. Gehle \*

Biophysical virology and biomathematics.

Instructor Melvin D. Trousdale

Electron microscopy: rapid identification of certain clinically important viruses. Studies on the ultrastructure and morphogenesis of the group B arboviruses.

Chairman, Committee on Graduate Studies - Alexis Shelokov

Graduate Advisor - Joe A. Bass

\* Staff member with major appointment in the Department of Microbiology and a joint appointment in another department.

\*\* Staff member with joint appointment in Department of Microbiology and major appointment in another department.

#### SPECIFIC DEGREE REQUIREMENTS

Special emphasis is placed on flexibility in graduate degree programs in microbiology and immunology so they may relate to the interests, purposes and needs of the individual students. Opportunity is provided to develop deep insight into the fundamental principles and advanced theories of the disciplines through course work, independent study and participation in discussion groups. In general, three to four years are required to complete a doctoral program.

Candidates for admission to the Microbiology Program should possess a broad general education including a B.S. or B.A. degree in science from an accredited institution. Adequate subject preparation includes satisfactory completion of the following undergraduate courses:

Biology: Two years of general biology, zoology and/or botany, including general microbiology

Chemistry: Two years. One year of general chemistry and one year of organic chemistry or biochemistry

Physics: One year of general physics

Mathematics: A minimum of one semester of calculus

Past academic performance should be of sufficiently high quality to warrant further progress in scholarly activity. Potential for future academic and career success as well as for leadership will be considered.

For the Master of Arts degree a minimum of 30 semester hours including the research for the thesis is required. Of these, from six to nine hours of work at graduate level in another area or areas comprise the minor field.

Admission of applicants for the Ph.D. degree is given priority over applicants for the Master's degree.

Although mastery of a well-chosen and meaningful program of graduate courses is required, no specific number of semester hours has been set for attainment of the Ph.D. degree. The basis on which the degree is awarded is the candidate's demonstration of acquired skills and knowledge in the selected field of specialization and ability to do independent work in the area. The Committee on Graduate Studies will guide the program of study and recommend a student for candidacy for the Ph.D. degree on the basis of a qualifying examination and performance in graduate courses.

Following admission to candidacy, a carefully selected Supervising Committee reviews the student's choice of research problem for the dissertation and proposals for its solution. Upon completion of the dissertation and its acceptance by the Committee, the Final Oral Examination on the dissertation and closely related areas is scheduled.

Participation in graduate courses will be largely restricted to those individuals who are enrolled in a graduate program. Special students with the necessary prerequisites may register for credit in courses by obtaining the approval of both the instructor and the graduate advisor. Under certain circumstances, a limited number of visitors may be allowed to participate in a segment of a course but regular attendance will not be permitted. Graduate students and members of the faculty may be admitted to classes as auditors through consent of the instructor.

#### GRADUATE COURSES

The course offerings in the Graduate Programs are contingent upon adequate student enrollment.

Medical Microbiology 3 or 4 semester hrs

Lectures only 3 semester hrs

Lectures, tutorials and laboratory 4 semester hrs

Emphasis on medical aspects of immunology, virology, bacteriology, mycology and parasitology. The first year medical school course will serve as an integral part of the course and the base for additional study.

Prerequisite: Consent of instructors.

General Microbiology 3 semester hrs

Lectures, laboratory

Classification, organization, structure, function, physiology, nutrition, metabolism, genetics and other properties of major groups of microorganisms.

Prerequisite: General Biology, General Biochemistry

Microbial Physiology 3 semester hrs

Lectures

The major portion of this course is devoted to the carbon and nitrogen metabolism of microbes; also included are composition, growth, nutrition and effects of physical and chemical environment on microorganisms.

Prerequisite: General or Medical Microbiology and General Biochemistry

Microbial Genetics 3 semester hrs

Lectures, conferences and laboratory

Study of genetics of microbial organisms including biosynthesis of macromolecules, mechanisms of transfer of genetic information, mutation and mutagenesis and regulatory mechanisms.

Prerequisite: General or Medical Microbiology, General Biochemistry (or elementary genetics) and consent of instructor.

Pathogenic Bacteriology 3 semester hrs

Lectures only

Concerned primarily with bacterial diseases in man, with particular emphasis on mechanisms by which bacteria produce disease as well as host-parasite interactions.

Prerequisite: General or Medical Microbiology.

Introduction to Virology 4 semester hrs

Lectures and laboratory

Lectures: Basic non-medical general virology with emphasis on molecular and cellular biology of animal viruses (physical and chemical properties, biology of multiplication, effects on host cells, genetics, interferon).

Laboratory: Experimental work to emphasize the basic properties of viruses and their interactions with host cells.

Prerequisite: General Biology, General or Medical Microbiology, General Biochemistry and consent of instructors.

Introduction to Immunology 3 semester hrs

Lectures only

Study of immune-response - both cellular and antibody-mediated immune reactions:

(1) anatomy and physiology of the immune response; (2) initiation of antibody formation; (3) control of antibody formation; (4) unresponsiveness; (5) antigen-antibody union; (6) antigen-antibody reaction; (7) lymphocyte activation and mediators; (8) transplantation immunology; (9) complement; (10) antibody-

mediated immunopathology; (11) tumor immunology; (12) cell-mediated immunopathology.

Prerequisite: Consent of instructors.

Parasitic Protozoology and Helminthology 3 semester hrs

Lectures and laboratory

Study of the biology of the parasites and methods of identification, as well as epidemiology, prevention and control of parasitic diseases.

Prerequisite: Medical Microbiology

Pathogenic Fungi 3 semester hrs

Lectures and laboratory

Study of the fungi which cause disease in man and animals with emphasis on diagnosis, epidemiology and public health significance.

Prerequisite: Consent of instructor.

Clinical and Diagnostic Microbiology

Methods and techniques for laboratory diagnosis of disease caused by microbial agents.

- |                 |                |
|-----------------|----------------|
| 1. Bacteriology | 2 semester hrs |
| 2. Virology     | 2 semester hrs |
| 3. Parasitology | 2 semester hrs |

Prerequisite: Consent of instructors.

Advanced Virology

- |                      |                |
|----------------------|----------------|
| 1. Oncogenic Viruses | 3 semester hrs |
|----------------------|----------------|

Lectures only

Current concepts and research in the area of oncogenic viruses. Studies would cover the historical developments in this field as well as the biology, immunology and biochemical characteristics of selected "model" agents.

- |                            |                |
|----------------------------|----------------|
| 2. Slow and Latent Viruses | 3 semester hrs |
|----------------------------|----------------|

Lectures only

Study of recent developments with emphasis on human diseases.

- |                                       |                |
|---------------------------------------|----------------|
| 3. Molecular Basis of Animal Virology | 2 semester hrs |
|---------------------------------------|----------------|

Lectures only

Current concepts in the biochemistry of viral replication and cellular response to infection.

Prerequisite: Introduction to Virology, General Biochemistry and the consent of instructor.

Individual sections may be taken for credit.

## Advanced Immunology

1. Experimental Immunology and Immunopathology 4 semester hrs

Lectures and laboratory

Experimental methods used in vitro and in vivo for study of the antibody-mediated and the lymphocyte-mediated systems of immunity. Where possible, in vitro correlates will be compared with in vivo examples of the various immunologic mechanisms and associated immunopathologic conditions.

Prerequisite: Introduction to Immunology or consent of instructors

2. Immunobiology 3 semester hrs

Lectures only

Phylogeny and ontogeny of the immune response; immunobiology of lymphocytes, plasma cells and macrophages; immunosuppression, immunologic reconstitution and immunopathology; inflammation, immunity and infection; immunologic and clinical aspects of delayed type hypersensitivity; cell-mediated immunity to infection, tumors and transplantation; disorders of the immune system and immunodeficiency diseases.

Prerequisite: Introduction to Immunology or consent of instructors.

3. Immunochemistry 3 semester hrs

Lectures only

Immunogenicity and antigenicity; antibody formation, structure and function; complement activity; enzymatic reactions; immunogenetics; physico-chemical studies of immunoglobulins.

Prerequisite: General Biochemistry and Introduction to Immunology or consent of the instructor.

## Advanced Microbial Genetics

4 semester hrs

Lectures, conferences and laboratory.

In-depth study of selected areas of microbial genetics. Presentation and discussion of current literature in these areas.

Development of proficiency in the techniques of microbial and molecular genetics.

Prerequisite: Microbial Genetics and consent of instructor

## Applied Techniques in Microbiology I and II

4 semester hrs

2 semesters

Lectures and laboratory

Principles and application of key methods and techniques for the operation of diagnostic microbiology and immunology laboratories. To include cell and organ culture, purification methodology, electron microscopy and ultrastructure, fluorescence microscopy and spectroscopy and use of radioisotopes.

Primarily for Master's degree students.

Prerequisite: Medical Microbiology and consent of instructor.

#### Techniques in Microbiology

2 semester hours credit for each session. Any number of sections may be taken for credit but no section may be repeated for credit.

Principles and application of key techniques employed in microbiology and immunology.

- a. Cell and organ culture
- b. Purification methodology (ultracentrifugation, chromatography, etc.)
- c. Electron microscopy and ultrastructure
- d. Fluorescence microscopy and spectroscopy
- e. Use of radioisotopes

Primarily for Ph.D. degree candidates.

Prerequisite: Consent of instructors.

#### Clinical Epidemiology and

Preventive Medicine

(Credit to be arranged)

Up to 56 hours lectures and conferences

Principles of epidemiology and disease prevention with emphasis on chronic and infectious diseases.

Prerequisite: Medical Microbiology, consent of instructors.

#### Introduction to Pathology

3 semester hrs

Lectures and laboratory

Introduction to pathology begins the study of the causes, mechanisms and effects of disease. Topics include classic disease at the cellular level, acute and chronic inflammation and repair, hemodynamic derangements, neoplasia and disturbances of cell growth and disorders of immunity and beginning immunopathology. These are designed to give the student perspectives and preparation for pathophysiology.

Prerequisite: Consent of instructor.

#### Special Problems

(Credit to be arranged)

Course provides an opportunity for the student to engage in a special research project or to develop a proficiency in the use of certain laboratory methods.

Prerequisite: Consent of instructors.

#### Research

(Credit to be arranged)

Research may be conducted in bacteriology, virology, mycology, parasitology and immunology. The amount of credit will vary with the work performed.

Seminar 1 semester hr

Presentation and discussion of original and published research work by students and staff and occasionally by outside scientists. All students enrolled in Graduate Program in Microbiology are required to attend.

Special Topics (Credit to be arranged)

Students will select a topic and develop a bibliography of the pertinent literature.

Supervised Teaching 2 or 3 semester hrs

Teaching under the close supervision of instructors as laboratory assistants and as leaders in tutorial or review sessions. The more advanced students may present formal lectures in the classrooms or lead discussions in the laboratory.

Prerequisite: Consent of chairman of department.

Thesis (Credit to be arranged)

Prerequisite: Admission to candidacy for Master of Arts degree.

Dissertation (Credit to be arranged)

Prerequisite: Admission to candidacy for Ph.D. degree.

## PROGRAM IN PHARMACOLOGY

## OBJECTIVES OF GRADUATE WORK

The graduate program in Pharmacology is designed to provide the student with the academic, technical and experimental background to qualify as a professional pharmacologist. "A pharmacologist is one who is devoted to the discovery, testing and perfecting of drugs and the study of the way in which they act" (A Career in Pharmacology, ASPET). The objective of the training program is to give the student the broad background in the basic medical sciences (anatomy, biochemistry, physiology and pharmacology) necessary for his or her success in academic and experimental pharmacology. In addition, the student will receive in-depth training and experience in one or more particular areas of pharmacology. The training program will qualify the student to pursue a career in teaching and research in medical schools or other health science professional schools, or to enter into a full-time research or administrative position in the drug industry or in the service of the Federal Government.

## PROGRAMS OF GRADUATE WORK

The Department of Pharmacology has the responsibility for teaching medical, dental and graduate students the elements of medical and clinical pharmacology as well as the current medical and social problems of drug abuse. Efforts are continually made to improve the teaching of pharmacology by developing new and innovative techniques.

The foundation for the above teaching activities is provided by an active research program in many areas of pharmacology. These include research at the molecular and cellular levels, as well as whole animal and organ study areas of pharmacology. (Active investigations underway include the autonomic nervous system, the central nervous system and the cardiovascular system.) Approaches used in these studies are physiological, chemical, biochemical, behavioral and biophysical.

Graduate students as well as medical and dental students are offered a variety of approaches for learning and developing independent initiative and ability.

## PHYSICAL FACILITIES

Facilities for graduate instruction and research include approximately 8,000 square feet of laboratory and office space in the Department of Pharmacology.

A graduate student area is provided with individual study cubicles.

Equipment available for research is sufficient for pursuance of almost any pharmacological investigation. This includes atomic absorption, fluorometric, ultraviolet and visible spectrophotometers, an ultracentrifuge; a flame photometer; pH meters; balances (both preparatory and analytical); electrophysiological recording equipment; PDR8 computer and all the necessary accessories. A recent addition is a mass spectrograph gas chromatography system.

Within the department and available for use in graduate education are well over 1,000 books and journals. New books are added continuously. In addition, most major journals of physiology and pharmacology are received on a subscription basis. The department also subscribes to Current Contents and Excerpta Medica abstracts in Pharmacology and Endocrinology.

#### FACULTY

Department Chairman - Professor Arthur H. Briggs

Professor V. J. Blankenship

Bone regeneration and growth; obesity.

Professor Arthur H. Briggs

The experimental basis of essential hypertension; the investigations of the relaxing system in skeletal, cardiac and smooth muscles; and the cardiovascular effects of drugs of abuse.

Professor William B. Stavinoha

Neurochemistry of the cholinergic system and biochemical toxicology.

Professor Howard L. Zauder \*\*

The pharmacology of anesthetic agents.

Associate Professor Vernon S. Bishop

Neural control of the circulation and the cardiovascular responses to various stresses.

Associate Professor Oliver Carrier, Jr.

The cardiovascular system: the role of electrolytes, especially calcium, in vascular and cardiac muscle function and how they are influenced by drugs.

Associate Professor Ronald D. Huffman

Neuropharmacology with emphasis on electrophysiologic and pharmacologic investigation of synaptic transmission.

Assistant Professor Kenneth Blum

The effects of drugs of abuse, particularly alcohol and morphine, on the brain. The underlying causes of drug dependence and research dealing with biochemical correlation of behavior.

Assistant Professor Leslie Felpel

Neuropharmacology of the central nervous system; synaptic transmission.

Assistant Professor Miguel A. Medina

The neurochemistry of biogenic amines, brain histamine, brain intermediary metabolism, drug interaction and drug metabolism.

Assistant Professor Sandra Sabatini

Biochemical mechanism and metabolism of prostaglandins; calcium transport in cardiac muscle.

Assistant Professor Jack E. Wallace \*\*

Analytical and clinical toxicology; drug metabolism; instrumental methods of analysis.

Instructor Barrie J. Hodgson \*\*

The pharmacology of reproductive smooth muscle

Chairman, Committee on Graduate Studies - Arthur H. Briggs

Graduate Advisor - Oliver Carrier, Jr.

\*\* Staff members with joint appointment in the Department of Pharmacology and major appointment in another department.

#### SPECIFIC DEGREE REQUIREMENTS

Special emphasis is placed on flexibility in the graduate degree program in Pharmacology so it may relate to the interests, purposes and needs of the individual students. Opportunity is provided to develop deep insight into the fundamental principles and advanced theories of the discipline through course work, independent study and participation in discussion groups. In general, four years are required to complete a doctoral program.

The preliminary training for students will be expected to include an adequate background in biology, chemistry, physics and mathematics. Past academic performance should be of sufficiently high quality to warrant further progress in scholarly activity.

For the Master of Arts degree a minimum of 30 semester hours including the research for the thesis is required. Of these, from six to nine hours of work at graduate level in another area or areas comprise the minor field.

Although mastery of a well-chosen and meaningful program of graduate courses is required, no specific number of semester hours has been set for attainment of the Ph.D. degree. The basis on which the degree is awarded is the candidate's demonstration of acquired skills and knowledge in the selected field of specialization and the ability to do independent work in the area. The Committee on Graduate Studies will guide the program of study and make a recommendation for candidacy for the Ph.D. degree on the basis of a qualifying examination and performance in graduate courses.

Following admission to candidacy by the Graduate Executive Committee, a carefully selected Supervising Committee reviews the student's choice of research problem for the dissertation and proposals for its solution. Upon completion of the dissertation and its acceptance by the Committee, the Final Oral Examination on the dissertation is scheduled.

#### GRADUATE COURSES

Advanced Pharmacology I - IV and Medical Pharmacology are required of all students in the Pharmacology doctoral degree program. Other required courses include General Biochemistry, Microscopic Anatomy, Neuroscience, Principles of Physiology.

- Advanced Pharmacology I 4 semester hrs  
 3 hours lecture, 4 hours laboratory per week  
 Principles of drug action; molecular mechanisms of drug action; drug metabolism; drug receptor interactions; etc. Fall semester 1973 and every odd year thereafter.  
 Prerequisites: Organic Chemistry  
 Pharmacology faculty
- Advanced Pharmacology II 4 semester hrs  
 3 hours lecture, 4 hours laboratory per week  
 Action of drugs upon the nervous system. Neuropharmacological and psychopharmacological drugs and their actions. Spring semester 1974 and every even year thereafter.  
 Prerequisites: Neuroscience  
 Huffman, Blum and Felpel
- Advanced Pharmacology III 4 semester hrs  
 3 hours lecture, 4 hours laboratory per week  
 Biochemical and toxicological mechanisms of drug action. Fall semester 1974 and every even year thereafter.  
 Prerequisites: General Biochemistry or Cell and Molecular Biology  
 Medina and Stavinoha
- Advanced Pharmacology IV 4 semester hrs  
 3 hours lecture, 4 hours laboratory per week  
 Action of drugs on the autonomic nervous system; cardiovascular and renal action of drugs. Spring semester 1975 and every odd year thereafter.  
 Prerequisites: Mammalian physiology  
 Bishop, Briggs and Carrier
- Medical Pharmacology 4 semester hrs  
 2 semesters  
 2 hours lecture per week  
 This course consists of lectures and discussions covering the full spectrum of Medical Pharmacology. All classes of drugs which are of interest to the medical profession are studied. The second year medical school course will serve as the nucleus of this course and form the basis for further study.  
 Fall and Spring semesters every year.

Prerequisites: A good understanding of mammalian physiology, consent of instructor.

Pharmacology faculty

Endocrine Pharmacology 3 semester hrs

3 hours lecture per week

A series of lectures and library assignments on the endocrine system and its relationship to drug action. This will include a detailed analysis of the endocrine side-effects of drugs used for therapeutic reasons not primarily endocrine and of drugs used because of their direct endocrine function.

Prerequisite: Consent of instructor

Chemical Pharmacology 3 semester hrs

3 hours lecture per week

A study of the relationship of chemical structure to drug action.

Prerequisite: Consent of instructor

Carrier

Analytical Toxicology 3 semester hrs

1 hour lecture, 6 hours laboratory per week

Lectures and laboratory exercises designed to provide the student with an extensive knowledge of procedures and methods utilized to quantitatively determine drugs and toxic agents in biologic specimens and pharmaceutical dosage forms.

Prerequisite: Consent of instructor

Wallace

Clinical Pharmacology 4 semester hrs

3 hours lecture and 6 hours in wards per week

Patients in the hospital wards will be presented and discussed by the students. This will include therapeutics and toxic manifestations of drugs.

Prerequisite: Consent of instructor

Briggs

Biophysical Pharmacology 4 semester hrs

3 hours lecture and 4 hours laboratory per week

This course is designed to acquaint the student with biophysical techniques and concepts (radioisotopes, electronics, mathematical analysis, etc.) as they apply to pharmacology.

Prerequisite: Consent of instructor

Bishop

Biochemical Basis of Drug Dependence 3 semester hrs

3 hours lecture per week

The course will be designed to provide information with regard to the biochemical mechanisms associated with drug dependence. Nine categories of drugs with abuse potential, including volatile anesthetic solvents (glue sniffing); ethyl alcohol; hypnotics (barbiturates and non-barbiturates); minor tranquilizers; narcotic analgesics; tobacco, stimulants (speed); cannabit sativa (marijuana); and hallucinogens (psychedelics) will be critically evaluated.

Prerequisite: Consent of instructor

Blum

Pharmacological Literature Evaluation 1 semester hr

Students in this course analyze and critically evaluate current research literature in all areas of Pharmacology.

Prerequisite: Consent of instructor

Pharmacology faculty

Pharmacology Techniques 1 - 4 semester hrs

1 hour lecture and 8 hours laboratory per week

Students will participate in short research projects in particular areas of pharmacology in order to learn the various techniques used.

Prerequisite: Consent of instructor

Pharmacology faculty

Seminar in Pharmacology 1 semester hr

The staff and students will conduct seminars on recent advances and research in Pharmacology.

Special Topics in Pharmacology (Credit to be arranged)

Research (Credit to be arranged)

Thesis (Credit to be arranged)

Required of students admitted to candidacy for the M.A. degree.

Dissertation (Credit to be arranged)

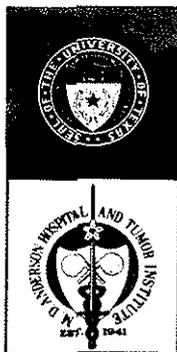
Required of students admitted to candidacy for the Ph.D. degree.

The following updated lists will be included in the published catalogue:

FACULTY ROSTER

STUDENT ROSTER

DEGREES CONFERRED



THE UNIVERSITY OF TEXAS AT HOUSTON  
M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE

Texas Medical Center Houston, Texas 77025

May 1, 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 seven pages, for your approval and presentation for formal approval of the Board of Regents at their meeting on June 1, 1973.

Sincerely yours,

*R. Lee Clark, M. D.*  
R. Lee Clark, M. D.  
President

RLC:sk

## THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

## DOCKET

Board of Regents Meeting June 1, 1973

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. & Mrs. Fagan Dickson 3200 Bowman Austin, Texas 78703	Expansion of M. D. Anderson Hospital	\$10,000.00
2. Mr. William A. Cook President Cook, Inc. 925 S. Curry Pike Bloomington, Indiana 47401	Gift for Use By the Department of Diagnostic Radiology	\$10,000.00*

\* No Letter of Transmittal Received

GRANTS, CONTRACTS, AND AGREEMENTS (NON-GOVERNMENTAL): The following grant has been awarded and is submitted for formal approval of the Board of Regents.

M. D. Anderson

1. The Population Council Grant No. M73.68 provides new funds in the amount of \$16,000 for the period April 1, 1973 through March 31, 1974, the total project period. This grant provides funds for a project to characterize the molecular events and to determine the biochemical control mechanisms involved in spermatogenic cell differentiation. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Marvin L. Meistrich.

BUSINESS CONTRACTS: The following Easement Deed has been approved by the Deputy Chancellor for Administration. I recommend your approval and ratification of signature:

M. D. Anderson

1. An Easement Deed has been executed whereby The University of Texas M. D. Anderson Hospital and Tumor Institute conveys to United Gas, Inc. right of way and easement on gas pipelines across the Annex and Rehabilitation Center property in Houston, Texas. The pipelines existed prior to transfer of ownership of this property to The University of Texas M. D. Anderson Hospital and Tumor Institute.

400

*[Faint signature and stamp]*

## THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

## GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)

Board of Regents Meeting June 1, 1973

The following Contracts, Grants and Amendments have been awarded and are submitted for formal approval of the Board of Regents.

M. D. Anderson

1. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01-CM-33737 provides new funds in the amount of \$233,900 for the period April 2, 1973 through March 31, 1974, the total project period. This contract provides funds to conduct studies of intensive multidisciplinary therapy of patients with bronchogenic carcinoma and to determine the efficacy of each of a number of therapeutic approaches. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Clifton F. Mountain.
2. Department of Health, Education and Welfare, Public Health Service, National Institute of Arthritis, Metabolism and Digestive Diseases Grant No. 5 R01 AM09155-09 HEM provides new funds in the amount of \$18,912 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 study of the relationship between the hormone erythropoietin and the regulation of marrow activity according to tissue requirements for oxygen. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Raymond Alexanian.
3. National Science Foundation Grant No. GB-37636 provides new funds in the amount of \$45,000 for the period April 1, 1973 through September 30, 1975, the total project period. This grant provides funds for a project to study the ultrastructure of isolated human metaphase chromosomes by whole amount electron microscopy following a variety of chemical and physical treatments. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. T. Elton Stubblefield.
4. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health Contract No. N01-HD-9-2221, Modification No. 4 provides new funds in the amount of \$19,754 for a total contract amount of \$223,281. This award is provided for the period June 19, 1972 through September 18, 1973, the total project period. This contract provides funds for a project to perform biological characterization of h, the a and b -subunits of ovine LH. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Darrell N. Ward.
5. Subcontract No. NIH-NCI-C-73-3713 with The University of Arizona for new funds in the amount of \$12,355 for the period January 1, 1973 through November 9, 1973, the total project period. This subcontract to a National Cancer Institute contract with The University of Arizona provides funds whereby this institution will participate in the Computer System program on myeloma case analysis. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Raymond Alexanian.

## THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

RECOMMENDED AMENDMENTS TO THE 1972-73 OPERATING BUDGET  
Board of Regents Meeting June 1, 1973M. D. AndersonGeneral Administration (Office of the President)

1. Appointment. Billy J. Lucas, Administrative Assistant, Office of the President (General Funds) payable at the full time rate of \$9,096.00 per annum effective March 8, 1973. The source of funds for this appointment is the Reserve for Classified Salaries Account. (RBC 157)
2. Appointment. Janice K. McDaniel, Secretary II, Office of the President (General Funds) payable at the full time rate of \$6,180.00 per annum effective March 26, 1973. The source of funds for this appointment is the Reserve for Classified Salaries Account. (RBC 158)

Medical Staff (Medicine)

3. Resignation. Nina Hollander, M. D., Faculty Associate in Medicine (Without Tenure), Department of Medicine, payable at the full time rate of \$20,000.00 per annum effective at the close of business March 27, 1973. Dr. Hollander has been paid from Medicine (General Funds). (RBC 149)
4. Revised Reappointment. Paul Y. Holoye, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), payable at the full time rate of \$20,000.00 per annum from Medicine (General Funds) effective September 1, 1972. The source of funds for this reappointment is the Reserve for Professional Salaries Account. (Rev. RBC 8)

Research (Biology)

5. Transfer of Funds. Transfer funds in the amount of \$3,000.00 from Biology, Maintenance and Operation Account to Medical Genetics, Maintenance and Operation Account for expenditures not previously anticipated, effective March 1, 1973. (RBC 152)

Research (Computer Science Laboratory of the Institute of Biomathematics)

6. Extended Leave of Absence Without Pay. Elisa Tan Lee, Operations Research Analyst, Department of Biomathematics, payable at the full time rate of \$13,800.00 per annum from Grant NIH-2-R01-CA-11430 effective at the close of business May 18, 1973. (RBC 156)

Education (Office of Education)

7. Appointment. George R. Blumenschein, M. D., Assistant Director for Education, Assistant Internist and Assistant Professor of Medicine (Without Tenure), Department of Education (General Funds) payable at the seventy-six percent time rate of \$22,000.00 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. (RBC 146)

Patient Care Activities (Clinic Administration)

8. Resignation. Richard E. Sherrill, IV, Systems Engineer, Clinic Administration, payable at the full time rate of \$13,500.00 per annum effective at the close of business March 25, 1973. Mr. Sherrill has been paid from Clinic Administration (General Funds). (RBC 150)

Patient Care Activities (Anesthesiology Service)

9. Increase in Salary. Rebecca S. Williams, Nurse Anesthetist Supervisor, Anesthesiology Service (General Revenue), from the full time rate of \$17,600.00 per annum to the full time rate of \$19,400.00 per annum effective April 1, 1973. The source of funds for this action is the Reserve for Professional Salaries. (RBC 154)

Patient Care Activities (Insurance)

10. Appointment. Mary B. Cobb, Administrative Assistant, Insurance (General Funds) payable at the full time rate of \$8,712.00 per annum effective April 16, 1973. The source of funds for this action is the Reserve for Classified Salaries Account. (RBC 161)

Patient Care Activities (Medical Social Service)

11. Temporary Appointment. Louise Gutierrez, Social Worker I, Medical Social Service (General Revenue) at the full time rate of \$10,704.00 per annum effective for the period March 1, 1973 through July 31, 1973. The source of funds for this temporary appointment is the Reserve for Classified Salaries Account. (RBC 151)

Patient Care Activities (Volunteer Services)

12. Resignation. Catherine C. Craig, Director of Volunteer Services, Volunteer Services, payable at the full time rate of \$12,000.00 per annum effective at the close of business April 18, 1973. She has been paid from Volunteer Services (General Funds). (RBC 155)

General Services (Special Projects)

13. Promotion. Richard G. Riker, Special Projects (General Funds) from Administrative Assistant (Classified Personnel) payable at the full time rate of \$11,664.00 per annum to Assistant Supervisor of Special Projects (Other Staff) payable at the full time rate of \$14,000.00 per annum effective March 1, 1973. Mr. Riker has assumed additional responsibilities and duties in regard to the approaching installation of the Centrex System and is also involved in assisting various departments in the new construction project. The source of funds for this promotion is the Reserve for Professional Salaries Account. (RBC 153)

General Services (General Services Travel Fund)

14. Transfer of Funds. Transfer funds in the amount of \$5,000.00 from the Reserve for Maintenance and Operation Appropriation to the General Services Travel Fund to cover estimated costs of travel and per diem expenses for Police Training Programs at Austin. (RBC 160)

Transfer of Funds.

15. Transfer funds as indicated below to various departmental Maintenance and Operation Appropriations to provide funds for expenditures for operations not previously anticipated. (RBC 159)

TRANSFER TO:

<u>Department</u>	<u>Appropriation Item and Title</u>	<u>Page No.</u>	<u>Amount</u>
Radiotherapy	Maintenance & Operation	36	\$ 3,500.00
Experimental Animals	" "	92	3,000.00
Extension Studies	" "	106	3,000.00
Research Medical Library	" "	114	5,000.00
Clinic Administration	" "	118	1,500.00
Blood Bank	" "	125	60,000.00

<u>Department</u>	<u>Appropriation Item and Title</u>	<u>Page No.</u>	<u>Amount</u>
Electroencephalograph Service	Maintenance & Operation	130	\$ 500.00
Insurance	" "	135	500.00
Clinical Chemistry and Laboratory Medicine	" "	143	40,000.00
Surgical Services	" "	167	2,500.00
Information Office	" "	183	7,500.00
Laundry	" "	184	12,500.00
Reserves	Reserve for Classified Salaries	199	150,000.00
Reserves	Reserve for Maintenance and Operation	199	<u>273,000.00</u>
	TOTAL		<u>\$562,500.00</u>

TRANSFER FROM:

<u>Department</u>	<u>Appropriation Item and Title</u>	<u>Page No.</u>	<u>Amount</u>
Linen Room	Maintenance & Operation	185	\$ 12,500.00
Reserves	Reserve for Professional Salaries	199	<u>550,000.00</u>
	TOTAL		<u>\$562,500.00</u>

## THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

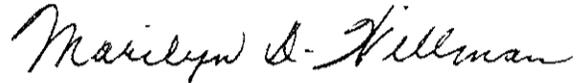
May 3, 1973

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 June 1, 1973. The docket consists of 18 pages.

Sincerely yours,



Marilyn D. Willman  
President

## THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

June 1, 1973

Catalogue Changes

1. Add new section as follows:

## PROFESSIONAL LIABILITY INSURANCE

All nursing students enrolling in nursing courses will be required, prior to official registration, to show evidence of professional liability insurance coverage in at least a minimum amount of \$5,000 limit each claim and \$15,000 limit aggregate.

2. Correspondence and Extension Work by Resident Students

Not more than [15] 9 hours required for the degree may be taken by correspondence and/or extension.

3. ADMISSION FROM OTHER INSTITUTIONS

A student seeking admission from another college must present (1) an application for admission to upper-division nursing courses, submitted after completion of the first thirty hours of prerequisite courses; (2) two official copies of transcripts from each institution attended, at least one of which must include high-school units and a report of scores on the admissions test; and (3) effective for students applying for spring, 1973, a health history and physical examination completed within three months prior to enrollment and reported on a form supplied by the Nursing School. All credentials should be sent directly to the Nursing School System Offices. Students applying to the nursing programs in Austin, El Paso, and Fort Worth must also have an acceptance to The University of Texas at Austin, The University of Texas at El Paso, and The University of Texas at Arlington respectively. Prospective students must adhere to the deadline dates on the application form.

4. Master of Science in Nursing

The program leading to the Master of Science in Nursing degree is offered in three semesters. Courses are offered in both Austin and San Antonio. [TWO AREAS OF SPECIALIZATION ARE REQUIRED: (1) NURSING ADMINISTRATION OR TEACHING AND (2) CLINICAL NURSING. EMPHASIS IS PLACED ON THE STUDENT'S ACQUISITION OF SKILL IN EACH OF THESE TWO AREAS AND ON THE DEVELOPMENT OF SKILL IN THE USE OF RESEARCH TECHNIQUES.] The curriculum is organized into five areas: (1) core courses, (2) research, (3) specialized clinical content courses, (4) functional content courses in teaching, administration, or clinical specialization, and (5) electives. The student may complete a clinical and/or functional major or he may elect a general program meeting the minimum requirements for the degree.

Clinical areas offered include medical-surgical, psychiatric, and maternity nursing. [AND A COMBINATION OF EITHER MEDICAL-SURGICAL OR MATERNITY WITH PSYCHIATRIC NURSING. ALL STUDENTS, REGARDLESS OF THEIR AREAS OF SPECIALIZATION, TAKE COURSES IN RESEARCH METHODS AND PERSPECTIVES. SUPPORTING COURSES AND] Electives may be taken in areas outside nursing.

## Degree Requirements

## [COURSE HOURS AND THESIS]

For this degree, a minimum of thirty-six semester hours of upper division and graduate courses [INCLUDING A THESIS OR THIRTY-NINE SEMESTER HOURS WITHOUT A THESIS] are required, including at least eighteen semester hours taken in the School of Nursing, six of which may be for thesis. The maximum number

## Degree Requirements

[COURSE HOURS AND THESIS]  
(continued)

of semester hours of courses of upper division rank which may be included is nine. [NINE HOURS MAY BE TAKEN IN OTHER SCHOOLS AND COLLEGES WITH SPECIFIC REQUIREMENTS DEPENDING UPON THE CLINICAL AND FUNCTIONAL SPECIALIZATION. THE REMAINING HOURS ARE TAKEN IN THE NURSING SCHOOL.] Completion of from two to three courses in a specialized clinical area constitutes a clinical major, and completion of two to three courses in a functional area constitutes a functional major. If a thesis is elected it is prepared under the direction of a supervising committee composed of graduate faculty members.

## Transfer of Credit

A student may transfer a maximum of six semester hours of credit for approved graduate courses counted toward the Master of Science in Nursing. The decision regarding the transfer of credit by individual students will be made by the Graduate Studies Committee. The transfer of credit will be authorized only after the student is enrolled in the Masters' program at The University of Texas School of Nursing. Courses in which a grade of C has been earned will not be authorized for transfer.

## [THESIS ALTERNATIVE]

[STUDENTS WHO ELECT THE THESIS ALTERNATIVE WILL BE REQUIRED TO COMPLETE TWO COURSES, ONE IN NURSING AND THE OTHER IN NURSING OR A COGNATE AREA. IN ADDITION, ONE COURSE MUST BE EITHER AN ADVANCED RESEARCH COURSE OR AN INDEPENDENT STUDY COURSE IN NURSING AT THE GRADUATE LEVEL.]

## Graduate Course Descriptions

[380. NURSING PERSPECTIVES.—PRESENT CONDITIONS AND PROBLEMS IN NURSING AND THE FORCES AFFECTING THEIR DEVELOPMENT. PREREQUISITE: GRADUATE STANDING OR CONSENT OF INSTRUCTOR. THREE LECTURE HOURS A WEEK. THREE SEMESTER HOURS.]

[681. ADMINISTRATION PRACTICUM.—OBSERVATION OF NURSING ADMINISTRATION IN SELECTED HOSPITALS AND SEMINARS ON THE ADMINISTRATION PROCESS. PREREQUISITE: GRADUATE STANDING AND NURSING 388. TWO LECTURES AND TWELVE LABORATORY HOURS A WEEK. SIX SEMESTER HOURS.]

[382. TEACHING IN SCHOOLS OF NURSING.—APPLICATION OF PRINCIPLES IN TEACHING NURSING. CLASS DISCUSSION; ANALYSIS OF TEACHING; LESSON PLANNING. PREREQUISITE: GRADUATE STANDING OR CONSENT OF INSTRUCTOR. THREE LECTURE HOURS A WEEK. THREE SEMESTER HOURS.]

[383. TEACHING PRACTICUM.—INCLUDES PLANNING, TEACHING IN CLASSROOM AND LABORATORY, TESTING, ANALYZING, AND EVALUATING TEACHING. PREREQUISITE: GRADUATE STANDING AND NURSING 382. ONE LECTURE AND SIX LABORATORY HOURS A WEEK. THREE SEMESTER HOURS. LABORATORY FEE \$3.]

[384K. MEDICAL-SURGICAL NURSING.—NURSING 384K AND 684a MAY NOT BOTH BE COUNTED. SEMINAR DEALING WITH NURSING PROCESSES IN THE ADULT POPULATION, AND PATIENT CARE SYSTEMS. PREREQUISITE: GRADUATE STANDING AND UPPER-DIVISION PHYSIOLOGY. TWO CLASS AND THREE LABORATORY HOURS A WEEK. THREE SEMESTER HOURS. LABORATORY FEE \$3.]

[384L. MEDICAL-SURGICAL NURSING.—NURSING 384L AND 684b MAY NOT BOTH BE COUNTED. SEMINAR DEALING WITH THE RATIONALE OF NURSING ACTION BASED ON THE PATHO-PHYSIOLOGIC PROBLEMS OF PATIENTS. RESEARCH FINDINGS AND NEW METHODOLOGIES ARE EXPLORED. PREREQUISITE: GRADUATE STANDING AND NURSING 384K (OR 684a). TWO CLASS AND THREE LABORATORY HOURS A WEEK. THREE SEMESTER HOURS. LABORATORY FEE \$3.]

Graduate Course Descriptions  
(continued)

[384M. MEDICAL-SURGICAL NURSING.—AN INDEPENDENT STUDY COURSE IN WHICH EACH STUDENT PURSUES AN AREA OF CONCENTRATION. PREREQUISITE: GRADUATE STANDING, NURSING 384K AND 384L. HOURS TO BE ARRANGED. THREE SEMESTER HOURS.]

385K. Psychotherapeutic Nursing with Individual Patients.—Theory and clinical practice emphasizing the concepts of anxiety, focal attention, and the self-system. Prerequisite: Graduate standing. One and one-half lecture and six laboratory hours a week. Three semester hours. Laboratory fee \$3.

385L. Nursing Therapy for Groups and Families.—Theory and clinical practice relating to in-patient psychiatric groups and families including a patient member. Prerequisite: Graduate standing and Nursing 385K. One lecture and eight laboratory hours a week. Three semester hours.

385M. Psychiatric Nursing in Focal Situations.—Behavior modification principles within the context of social learning, in working with groups of chronic adult patients and with groups of children. Prerequisite: Graduate standing, Nursing 385K and 385L. One lecture and eight laboratory hours a week. Three semester hours.

[388. NURSING ADMINISTRATION.—PROVIDES DEEPER KNOWLEDGE AND UNDERSTANDING OF THE PRINCIPLES OF ADMINISTRATION AND THEIR APPLICATION TO NURSING. PREREQUISITE: GRADUATE STANDING. A COURSE IN MANAGEMENT MUST BE TAKEN PRIOR TO OR CONCURRENTLY WITH NURSING 388. THREE LECTURE HOURS A WEEK. THREE SEMESTER HOURS.]

389. CURRICULUM DEVELOPMENT.—OVERVIEW OF THE PROCESS OF CURRICULUM DEVELOPMENT AND EVALUATION, FROM OVERALL COLLEGE AND PROGRAM PLANNING TO DEVELOPMENT OF A TEACHING-LEARNING UNIT. PREREQUISITE: GRADUATE STANDING OR CONSENT OF INSTRUCTOR. THREE LECTURE HOURS A WEEK. THREE SEMESTER HOURS.]

390. Community Mental Health Nursing.—Designed to acquaint the graduate student with community mental health and to assist the student in defining the role of nursing in the mental health movement. Prerequisite: Graduate standing, Nursing 385K or consent of instructor. One and one-half lecture and six laboratory hours a week. Three semester hours.

391. Nursing Intervention in Alcoholism and Other Drug Addictions.—To assist the graduate student to gain knowledges and skills relevant to case finding, referral, and treatment of alcoholism and other addictions. Prerequisite: Graduate standing, Nursing 385K or consent of instructor. One and one-half lecture and six laboratory hours a week. Three semester hours.

392K. [MATERNITY NURSING.—STUDY OF THE PHYSIOLOGICAL PROCESSES OF REPRODUCTION, BOTH NORMAL AND ABNORMAL, AND CURRENT MEDICAL AND NURSING INTERVENTIONS IN DEVIATIONS FROM THE NORMAL. INCLUDES CROSS-CULTURAL AND PSYCHOSOCIAL PERSPECTIVES.]

Overview of Maternal Child Health.—Readings, discussion, and selected experiences designed to provide a broad understanding of the field of maternal child health. Prerequisite: Graduate standing or consent of instructor. Two class and three laboratory hours a week. Three semester hours.

392L. [MATERNITY NURSING.—STUDY OF THEORIES RELEVANT TO THE PSYCHOLOGICAL AND SOCIAL INTEGRATION OF MEMBERS OF REPRODUCTIVE AND CARE-TAKING UNITS WITH APPLICATION TO A VARIETY OF SITUATIONS.]

Theoretical Aspects of Maternity Nursing.—Seminar in the utilization and evaluation of theoretical explanations applied to maternity nursing. Prerequisite: Graduate standing [AND NURSING 392K] or consent of instructor. One class and six laboratory hours a week. Three semester hours.

Graduate Course Descriptions  
(continued)

392M. [MATERNITY NURSING.—PROMOTION OF HIGH-LEVEL WELLNESS, INCLUDING ISSUES SUCH AS CONTRACEPTION AND ABORTION, ALTERNATIVES TO THE NUCLEAR FAMILY FOR CHILD CARE.]

Community Aspects of Maternity Nursing.—Seminar and experiences dealing with trends and issues, health statistics, and program planning in maternity nursing. Prerequisite: Graduate standing, Nursing 392K, [AND 392L] 393K, or 393L or consent of instructor. [TWO] One class and [THREE] six laboratory hours a week. Three semester hours.

395. Topics in Nursing.—Detailed or indepth study in a specific topic area. Topic and mode of study are agreed upon by student(s) and instructor. Registration may be repeated with varied topics. Prerequisite: Graduate standing and consent of instructor. Three semester hours.

396. Advanced Human Physiology.—Advanced concepts and recent research focused on the physiological systems of man and the significance of alterations in their functioning. Prerequisite: Graduate standing and an introductory course in physiology. Three lecture hours a week. Three semester hours. Laboratory fee \$3.

397. Fundamentals of Research.—[DESIGNED TO PROVIDE BASIC RESEARCH SKILLS AND PRACTICE IN CRITICAL EVALUATION OF RESEARCH REPORTS.] Overview presenting the logic, methods, and techniques of research. Students have the option (1) critiquing nursing literature and applying the research process at the level of replicating a study, or (2) identifying and delineating a nursing problem, and developing a research proposal. Prerequisite: Graduate standing. Three lecture hours a week. Three semester hours.

[398] 698. Thesis.—Prerequisite: Graduate standing, Nursing 397, and consent of instructor. Three semester hours. Assigned advisers.

The following are new courses:

- 480K. Core I.
- 480L. Core II.
- 280. Core III.
- 381K. Medical-Surgical Nursing I.
- 381L. Medical-Surgical Nursing II.
- 393K. Parent Education.
- 393L. Primary Health Services.
- 382K. Clinical Specialization I: Theoretical Foundations.
- 382L. Clinical Specialization II: Roles and Functions.
- 483. Curriculum and Instruction in Nursing.
- 383K. Roles and Functions of the Teacher in Nursing.
- 386K. Nursing Administration.
- 486. Problems and Field Study in Nursing Administration.
- 386L. Nursing Administration in Extended Care Facilities and Nursing Homes.
- 386M. Organizational Behavior.

Course Descriptions

480K. Core I. Theoretical Foundations of Nursing Process.—Relates philosophical and theoretical base to concepts and operations inherent in nursing process. Considers theories from the behavioral, natural and applied sciences with the aim of synthesis in the development and application of nursing process. Prerequisite: Graduate standing. Three class hours and three practicum hours a week. Four semester hours.

480L. Core II. Nursing Process in Clinical Situations.—Focuses on critical analysis of nursing process with selected patients. Expands and

Course Description  
(continued)

strengthens concepts and operations in the nursing process through systematic inquiry. Students choose patients for care and content of the course arises from both theory and the nursing situation presented by the patients selected. Prerequisite: Graduate standing and Nursing 480K. Two class hours and six laboratory hours a week. Four semester hours.

280. Core III. Professional Nursing—Influences and Issues.—Provides a forum for exploration and evaluation of concerns germane to contemporary nursing. Prerequisite: Graduate standing and Nursing 480L. Two seminar hours a week. Two semester hours.

381K. Medical-Surgical Nursing I.—Nursing responsibility for assessment and intervention with selected patients of any age who manifest deviations from health and require admission to a health care system. Prerequisite: Graduate standing and Nursing 480K and 396. Two class hours and three laboratory hours a week. Three semester hours.

381L. Medical-Surgical Nursing II.—Nursing responsibility for the continuum of care for selected patients of any age who manifest deviations from health. Prerequisite: Graduate standing and Nursing 381K. Two class hours and three laboratory hours a week. Three semester hours.

393K. Parent Education.—Seminar and experience in the use of group parent education. Prerequisite: Graduate standing or consent of instructor. One class and six laboratory hours a week. Three semester hours.

393L. Primary Health Services.—Seminar and experiences in providing primary health services to mothers and/or children. Prerequisite: Graduate standing or consent of instructor. One class and six laboratory hours a week. Three semester hours.

382K. Clinical Specialization I: Theoretical Foundations.—Develops and examines standards of health care and of health care delivery. Focuses on theory and methods of consultation. Prerequisite: Graduate standing. Nursing 480K must be taken prior to or concurrently with 382K. Three semester hours.

382L. Clinical Specialization II: Roles and Functions.—Develops the parameters of the role of the clinical specialist. Each student contacts clients, works with them to design their care, and functions interdependently with members of the health team to accomplish patient goals. Prerequisite: Graduate standing. Nursing 480L must be taken prior to or concurrently with 382L. One class hour and six laboratory hours a week. Three semester hours.

483. Curriculum and Instruction in Nursing.—Explores the nature of education and the major learning theories. Focuses on the development of curricula for a variety of programs in nursing and the design of teaching and learning strategies for their implementation. Prerequisite: Graduate standing or consent of instructor. Four class hours a week. Four semester hours.

383K. Roles and Functions of the Teacher in Nursing.—Investigation of the roles and functions of the teacher in contemporary nursing programs. Builds on the theory developed in the preceding course and an investigation of the teaching-learning situation of a group of students in a professional, technical, or vocational nursing program. Prerequisite: Nursing 480K and 483 and consent of instructor. One class hour and six laboratory hours a week. Three semester hours.

386K. Nursing Administration.—The application of theories of administration and management related to situations in which nurses work. Consideration is given to the philosophical base on which nursing administration occurs. Includes the study of the extension of administrative principles to the broader

Course Description  
(continued)

field of health care delivery including legislative process. Assessment of management tools and methods related to materials and human resources management. Special emphasis is placed on the development of hypotheses regarding the nature of nursing administration. Prerequisite: Graduate standing and graduate course in theories of administration or personnel management. Three class hours a week. Three semester hours.

486. Problems and Field Study in Nursing Administration.—Proposes and tests hypotheses in nursing administration. Applies theory and concepts to administrative practice in nursing. Prerequisite: Graduate standing and Nursing 386K. Two class hours and six laboratory hours a week. Four semester hours.

386L. Nursing Administration in Extended Care Facilities and Nursing Homes.—Application of nursing administration principles to the operation of agencies involved in providing health maintenance to a group of clients in a localized setting. Prerequisite: Graduate standing and Nursing 386K. Three class hours a week. Three semester hours.

386M. Organizational Behavior.—Problem-oriented case study approach to labor-management concerns which are applicable to nursing administrators. Prerequisite: Graduate and Nursing 386K or consent of instructor. Three class hours a week. Three semester hours.

## THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

## RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

June 1, 1973

System Nursing School

## 1. Transfer of Funds:

From: Office of the President - Travel	\$ 1,000.00
To : El Paso Nursing School - Travel	\$ 1,000.00
For : To provide funds for travel for the remainder of FY 1972-73. (RBC# N-137)	

## 2. Transfer of Funds:

From: Austin Teaching Salaries	\$ 1,288.10
Fort Worth Teaching Salaries	4,025.00
Galveston Teaching Salaries	27,826.67
San Antonio Teaching Salaries	31,585.23
	<u>\$64,725.00</u>
To : Austin Summer Session Salaries	\$12,592.00
El Paso Summer Session Salaries	2,964.00
Fort Worth Summer Session Salaries	1,396.00
Galveston Summer Session Salaries	30,861.00
San Antonio Summer Session Salaries	16,912.00
	<u>\$64,725.00</u>

For : To provide funds for summer session teaching salaries. (RBC# N-144)

## 3. Transfer of Funds:

From: Houston Summer Session Salaries	\$ 1,120.00
To : Austin Summer Session Salaries	\$ 1,120.00
For : To provide funds for Austin Nursing School's summer session teaching salaries. (RBC# N-145)	

## 4. Transfer of Funds:

From: San Antonio Teaching Salaries	<u>\$12,664.77</u>
To : El Paso Classified Salaries	\$ 5,984.00
System Offices - Unallocated	6,680.77
	<u>\$12,664.77</u>

For : To provide funds for employment of classified personnel at El Paso who will be employed with the phasing out of Hotel Dieu School of Nursing, and to transfer balance to unallocated. (RBC# N-147)

Austin Nursing School

## 1. Transfer of Funds:

From: Teaching Salaries	\$ 823.01
To : Classified Salaries	\$ 823.01
For : To provide funds for classified personnel for the remainder of FY 1972-73. (RBC# N-138)	

## 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)

June 1, 1973

Fort Worth Nursing School

## 1. Transfer of Funds:

From: Teaching Salaries	\$ 1,575.00
To : Administrative and Professional Salaries	\$ 1,575.00
For : To provide funds for salary increase for the Dean of the Fort Worth Nursing School. (RBC# N-146)	

Galveston Nursing School

## 1. Transfer of Funds:

From: Teaching Salaries	\$ 8,100.00
To : Maintenance, Operation and Equipment	\$ 8,100.00
For : To provide funds for operations for the remainder of FY 1972-73. (RBC# N-139)	

## 2. Transfer of Funds:

From: Teaching Salaries	\$ 240.00
To : Classified Personnel	\$ 240.00
For : To provide funds for classified personnel for the remainder of FY 1972-73. (RBC# N-140)	

Houston Nursing School

1. Appointment of Karen S. Heusinkveld, Assistant Professor (non-tenure) at a 9 months rate of \$12,000 for the period March 1, 1973 through May 31, 1973. Source of Funds: Teaching Salaries. (RBC# N-131)

## 2. Transfer of Funds:

From: Teaching Salaries	\$ 9,444.44
To : Maintenance, Operation and Equipment	\$ 9,444.44
For : To provide funds for operations for the remainder of FY 1972-73. (RBC# N-141)	

San Antonio Nursing School

1. Change the source of funds for salary of Margretta M. Styles, Dean and Professor (tenure) in the amount of \$1,666.64 from Capitation Grant NU-01360-01 to San Antonio Medical Foundation Salary Supplement for the period May 1, 1973 through August 31, 1973. (RBC# N-142 and 143)

1973 Summer Session Teaching Budget

The following 1973 Summer Session Teaching Budget is allocated from funds appropriated in the original operating budget previously approved by the Board for this purpose and from funds transferred from the amount appropriated for teaching salaries. Salary calculations are pro rata based on the nine-month academic rate. No merit salary rate increases are permitted in the Summer Session Budget.

THE UNIVERSITY OF TEXAS  
SYSTEM SCHOOL OF NURSING

1973 SUMMER SESSION  
TEACHING BUDGET

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THE UNIVERSITY OF TEXAS  
SYSTEM SCHOOL OF NURSING

1973 SUMMER SESSION TEACHING BUDGET

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THE UNIVERSITY OF TEXAS  
SYSTEM SCHOOL OF NURSING

1973 SUMMER SESSION TEACHING BUDGET ALLOCATION

Appropriated for 1973 Summer Session Teaching Budget

Austin Nursing School	\$ 20,000
El Paso Nursing School	12,000
Fort Worth Nursing School	12,000
Galveston Nursing School	12,000
Houston Nursing School	27,000
San Antonio Nursing School	29,000
Transfer from Amount Appropriated for Teaching Salaries	<u>64,725</u>
	<u>\$176,725</u>

Allocation for 1973 Summer Session Teaching Budget

Austin Nursing School	\$ 33,712
El Paso Nursing School	14,964
Fort Worth Nursing School	13,396
Galveston Nursing School	42,861
Houston Nursing School	25,880
San Antonio Nursing School	<u>45,912</u>
	<u>\$176,725</u>

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**(Noted: May 13, 2009)**

LAND AND INVESTMENT REPORT

Meeting of June 1, 1973

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## LAND AND INVESTMENT REPORT

For Month Ended March 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 March, 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 3/31/72	BOOK YIELD 3/31/72	BOOK VALUE 3/31/73	BOOK YIELD 3/31/73
<u>DEBT SECURITIES:</u>				
U. S. Government Obligations--				
Treasury Bonds	\$106,289,033.46	4.32%	\$ 88,961,700.79	5.13%
Government Agencies	24,950,694.89	6.93	28,397,822.43	6.94
FHA Mortgages	<u>16,170,073.06</u>	<u>6.86</u>	<u>14,728,868.79</u>	<u>7.01</u>
TOTAL - U. S. Government Obligations	<u>147,409,801.41</u>	<u>5.04</u>	<u>132,088,392.01</u>	<u>5.73</u>
Corporate Bonds	<u>233,972,635.43</u>	<u>4.93</u>	<u>239,320,359.63</u>	<u>4.91</u>
TOTAL - DEBT SECURITIES	<u>381,382,436.84</u>	<u>4.97</u>	<u>371,408,751.64</u>	<u>5.20</u>
<u>EQUITY SECURITIES:</u>				
Convertible Debentures	13,600,538.59	5.19	10,097,290.00	5.42
Convertible Preferred Stocks	15,848,192.03	4.16	6,342,900.64	3.80
Common Stocks	<u>199,053,727.91</u>	<u>4.27</u>	<u>240,508,011.57</u>	<u>4.43</u>
TOTAL - EQUITY SECURITIES	<u>228,502,458.53</u>	<u>4.32</u>	<u>256,948,202.21</u>	<u>4.45</u>
TOTAL - LONG TERM INVESTMENTS	<u>609,884,895.37</u>	<u>4.73</u>	<u>628,356,953.85</u>	<u>4.89</u>
<u>CASH &amp; EQUIVALENT:</u>				
Short Term U. S. Treasury Securities	--	--	9,765,979.71	5.73
Commercial Paper	3,740,000.00	<u>5.52</u>	18,311,100.00	<u>6.48</u>
Investment Transactions-- Accounts Payable	493,841.05		-0-	
Cash	<u>529,217.44</u>		<u>141,069.29</u>	
TOTAL - CASH & EQUIVALENT	<u>4,763,058.49</u>		<u>28,218,149.00</u>	<u>6.19</u>
TOTAL - SECURITIES, CASH & EQUIVALENT	<u>\$614,647,953.86</u>	<u>4.73%</u>	<u>\$656,575,102.85*</u>	<u>4.94%</u>

\*Includes \$39,260,873.37 Realized Net Profit

Indicated Annual Income           \$ 29,072,848.00                                   \$ 32,467,638.00

SUMMARY OF TRANSACTIONS  
March 31, 1973

	<u>Cost</u>		<u>Current Yield</u>
Purchases:			
U. S. Treasury Securities	\$ <u>693,109.38</u>		6.66%
TOTAL LONG TERM PURCHASES	\$ <u>693,109.38</u>		<u>6.66%</u>
	<u>Proceeds</u>	<u>Gain or (Loss)</u>	<u>Yield</u>
Sales:			
U. S. Government Obligations---			
Government Agencies	\$ 259,738.01	(\$ 5,548.00)	6.80%
FHA Mortgages	121,232.80	-0-	7.01
Corporate Bonds	<u>44,109.00</u>	<u>2,255.61</u>	<u>5.00</u>
TOTAL LONG TERM SALES	<u>\$ 425,079.81</u>	<u>(\$ 3,292.39)</u>	<u>6.68%</u>

PERMANENT UNIVERSITY FUND BOOK VALUE

February 28, 1973 Balance		\$654,818,528.16
Additions (March, 1973)		
Realized Net Gain or (Loss) on Security Transactions	(\$ 3,292.39)	
From General Land Office	<u>1,759,867.08</u>	<u>1,756,574.69</u>
March 31, 1973 Balance		<u>\$656,575,102.85</u>

## INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Net Cost	Current Yield
<u>U. S. GOVERNMENT OBLIGATIONS:</u>				
\$ 700,000	U. S. Treasury Bonds 4%, due 8/15/73	\$ 99.016	\$ <u>693,109.38</u>	<u>6.66%</u>
<u>COMMERCIAL PAPER:</u>				
1,470,000	Sears Roebuck Acceptance Corporation	100.00	<u>1,470,000.00</u>	<u>6.64</u>
TOTAL - INVESTMENTS ACQUIRED			<u>\$ 2,163,109.38</u>	<u>6.65%</u>

## INVESTMENTS DISPOSED OF

Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)	Yield
<u>U. S. GOVERNMENT OBLIGATIONS:</u>					
<u>Government Agencies--</u>					
\$ 87,299.35	Farmers Home Admin., Various Notes	\$100.00	\$ 87,299.35	(\$ 765.20)	5.75%
172,438.66	GNMA, Various Pools	100.00	<u>172,438.66</u>	( <u>4,782.80</u> )	<u>7.33</u>
TOTAL - Government Agencies			<u>259,738.01</u>	( <u>5,548.00</u> )	<u>6.80</u>
<u>FHA Mortgages--</u>					
121,232.80	Principal Payments	100.00	<u>121,232.80</u>	<u>-0-</u>	<u>7.01</u>
TOTAL - U. S. Government Obligations			<u>380,970.81</u>	( <u>5,548.00</u> )	<u>6.87</u>
<u>CORPORATE BONDS:</u>					
44,109	Shell Oil Co. 5% Debs., due 3/15/91	100.00	<u>44,109.00</u>	<u>2,255.61</u>	<u>5.00</u>
TOTAL - LONG TERM INVESTMENTS (TOTAL INVESTMENTS DISPOSED OF)			<u>\$ 425,079.81</u>	( <u>\$ 3,292.39</u> )	<u>6.68%</u>

PERMANENT UNIVERSITY FUND  
(March, 1973)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST</u> <u>TOTAL</u>	<u>YIELD</u>
<u>\$700,000</u>	U. S. Treasury Bonds, 4%, due 8/15/73	\$ 99.015625	<u>\$693,109.38</u>	<u>6.66%</u>

NOTE: There were no Bond Exchanges during the month of March, 1973 for the Permanent University Fund.

PERMANENT UNIVERSITY FUND  
(March, 1973)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. S. Government Obligations</u>				
\$ 32,879.78	Farmers Home Admin. 5-3/4% Insured Notes, due 6/30/2001	\$ 32,879.78	\$ 690.48	5.75%
54,419.57	Farmers Home Admin. 5-3/4% Insured Notes, due 6/29/2001	54,419.57	( 1,455.68)	5.75
9,342.98	GNMA, Pass-Through Pool #92, 8%, due 2/15/2001	9,342.98	( 148.55)	8.00
9,442.12	GNMA, Pass-Through Pool #114, 8%, due 1/15/2001	9,442.12	( 2,172.63)	8.00
837.52	GNMA, Pass-Through Pool #152, 8%, due 2/15/2001	837.52	( 185.26)	8.00
13,027.66	GNMA, Pass-Through Pool #236, 8%, due 1/15/2001	13,027.66	( 1,879.89)	8.00
6,255.52	GNMA, Pass-Through Pool #456, 8%, due 4/15/2001	6,255.52	( 506.70)	8.00
8,050.32	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	8,050.32	( 268.08)	8.00
61,262.81	GNMA, Pass-Through Pool #682, 7-1/2%, due 5/15/2001	61,262.81	( 1,948.16)	7.50
3,373.40	GNMA, Pass-Through Pool #832, 6-1/2%, due 1/15/2002	3,373.40	150.12	6.50
1,825.93	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	1,825.93	76.87	6.50
3,876.42	GNMA, Pass-Through Pool #905, 6-1/2%, due 7/15/2001	3,876.42	228.71	6.50
5,334.63	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	5,334.63	14.40	8.00
4,459.60	GNMA, Pass-Through Pool #1029, 6-1/2%, due 12/15/2001	4,459.60	285.41	6.50
2,219.80	GNMA, Pass-Through Pool #1033, 6-1/2%, due 2/15/2002	2,219.80	93.45	6.50
927.48	GNMA, Pass-Through Pool #1105, 6-1/2%, due 1/15/2002	927.48	34.04	6.50
10,391.21	GNMA, Pass-Through Pool #1157, 6-1/2%, due 1/15/2002	10,391.21	462.41	6.50
19,588.36	GNMA, Pass-Through Pool #1252, 6-1/2%, due 1/15/2002	19,588.36	628.79	6.50
4,285.62	GNMA, Pass-Through Pool #1306, 6-1/2%, due 1/15/2002	4,285.62	185.57	6.50
1,752.90	GNMA, Pass-Through Pool #1997, 6-1/2%, due 8/15/2002	1,752.90	89.40	6.50
6,184.38	GNMA, Pass-Through Pool #2084, 7%, due 9/15/2002	6,184.38	77.30	7.00
<u>259,738.01</u>	Total U. S. Government Obligations	<u>259,738.01</u>	( <u>5,548.00</u> )	<u>6.80</u>
<u>Corporate Bonds</u>				
<u>44,109.00</u>	Shell Oil Co. 5% Debs., due 3/15/91	<u>44,109.00</u>	<u>2,255.61</u>	<u>5.00</u>
<u>\$303,847.01</u>	TOTAL BONDS SOLD AND MATURED	<u>\$303,847.01</u>	( <u>\$ 3,292.39</u> )	<u>6.54%</u>

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CASH STATEMENT  
March 31, 1973

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>RECEIPTS:</u>		
From General Land Office	\$ 1,759,867.08	
From Disposition of Securities:		
U. S. Government Obligations		
Farmers Home Administration	87,299.35	
GNMA Principal Payments	172,438.66	
FHA Mortgages	121,232.80	
Corporate Bonds	44,109.00	
Interest Collected:		
U. S. Government Obligations		
U. S. Treasury Securities		\$ 84,116.57
Farmers Home Administration		493.45
GNMA Interest Payments		150,418.33
FHA Mortgages		83,203.58
Corporate Bonds		943,212.43
Commercial Paper		92,177.82
Dividends Collected:		
Common and Preferred Stocks		1,469,891.03
Amortization of Premium	<u>157.90</u>	
TOTAL RECEIPTS	2,185,104.79	<u>\$2,823,513.21</u>
Cash on Hand 3/1/73	<u>164,183.68</u>	
TOTAL RECEIPTS AND CASH	<u>\$ 2,349,288.47</u>	

CASH STATEMENT  
 March 31, 1973  
 (Continued)

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>DISBURSEMENTS:</u>		
Securities Acquired:		
U. S. Treasury Securities	\$ 693,109.38	
Commercial Paper	1,470,000.00	
Amortization of Discount	45,109.80	
To Clear Out Available Fund	<u>                    </u>	<u>\$2,823,513.21</u>
TOTAL DISBURSEMENTS	2,208,219.18	<u>\$2,823,513.21</u>
Cash on Hand 3/31/73	<u>141,069.29</u>	
TOTAL DISBURSEMENTS AND CASH	<u>\$ 2,349,288.47</u>	

For Month Ended March 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 March, 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</u>
	<u>SHORT TERM PAPER:</u>		
\$100,000	GMAC 6% Note, due 4/2/73 (Common Trust Fund)	\$ 100,000.00	6.03%
260,000	GMAC 6-3/8% Note, due 4/13/73 (Common Trust Fund)	260,000.00	6.41
276,000	SRAC 6.05% Note, due 5/1/73 (Common Trust Fund)	276,000.00	6.11
160,000	FMC 6-1/4% Note, due 5/1/73 (Common Trust Fund)	160,000.00	6.31
100,000	FMC 6.40% Note, due 5/1/73 (Common Trust Fund)	100,000.00	6.46
682,000	GMAC 6-1/8% Note, due 5/31/73 (\$ 20,000 - Lila Belle Etter Fund 46,000 - C. J. Thomsen Gift 2,150 - The Robertson Poth Foundation 15,900 - Jack G. Taylor Endowment Fund 5,000 - Littlefield Fund for Southern History - Second Fund 95,300 - The L. D. and Marie Gale Unitrust 2,300 - Charles F. and Agnes T. Wiebusch Unitrust 35,000 - Winedale Stagecoach Inn - Varner Acreage 15,800 - The Robertson-Poth Charitable Remainder Trust - GMB 179,300 - Clark W. Thompson Trust - GMB 106,500 - Libbie Moody Thompson Trust - GMB 26,050 - The Libbie Moody Thompson Memorial Trust - GMB 102,900 - Anderson-Mayfair Mortgage Retirement Fund - AH 4,800 - The William Buchanan Chair in Internal Medicine - DMS 25,000 - Josephine Clardy Fox Estate Fund - UTEP)	682,000.00	6.22
276,000	FMC 6-1/8% Note, due 5/31/73 (Common Trust Fund)	276,000.00	6.22
177,800	GMAC 6-1/8% Note, due 5/31/73 (Common Trust Fund)	177,800.00	6.22
402,000	SRAC 6-1/4% Note, due 5/31/73 (Common Trust Fund)	402,000.00	6.34
209,100	GMAC 6-3/8% Note, due 5/31/73 (Common Trust Fund)	209,100.00	6.47

INVESTMENTS ACQUIRED  
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Cost</u>	<u>Yield</u>
	<u>SHORT TERM PAPER: (Continued)</u>		
\$141,400	GMAC 6-5/8% Note, due 5/31/73 (Common Trust Fund - Undistributed Receipts)	\$ 141,400.00	6.71%
220,000	SRAC 6-3/4% Note, due 5/31/73 (Common Trust Fund)	220,000.00	6.84
67,700	GMAC 6-3/4% Note, due 5/31/73 (\$ 44,100 - Common Trust Fund - Undistributed Receipts 800 - Julia Ann Ross Memorial Scholarship - UTEP 2,500 - Patrick Romanell Visiting Professorship in Philosophy - UTEP 14,300 - The Presidents Associates Endowment Fund - UTEP 6,000 - Anderson-Mayfair Mortgage Retirement Fund - AH)	67,700.00	6.83
252,000	FMC 6-1/4% Note, due 6/6/73 (\$ 6,000 - Ima Hogg Foundation 10,000 - Department of Chemistry - Various Donors - Various Purposes 127,000 - College of Engineering - Ford Foundation Grant - Various Purposes 2,500 - Ruth Margaret Hull Gift for Dean of Women's Office for Cooperative Housing 1,900 - Texas Union Building Fund 100,000 - Littlefield Fund for Southern History - Reserve for Publication 3,500 - Dr. & Mrs. Proctor W. Day Gift for New Band Hall 600 - Lyndon B. Johnson School of Public Affairs - Scholar- ship Fund - Various Donors 500 - Texas Veterans of World War II Memorial Scholarship)	252,000.00	6.35

## INVESTMENTS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>	<u>Yield</u>
	<u>U. S. GOVERNMENT OBLIGATIONS:</u>			
	See Bond Sales and Maturities Schedule for Detail			
\$ 10,584.66	Common Trust Fund	\$ 10,584.66	(\$ 187.36)	7.82%
972.23	The William Buchanan Chair in Internal Medicine - DMS	972.23	( 6.27)	7.80
148.96	Reserve for Possible Fire Losses - Temporary Student Housing Units	148.96	1.85	6.50
347.88	Texas Union Building Fund	347.88	31.45	6.50
878.18	Student Property Deposit Scholarship Fund	878.18	26.61	6.59
610.95	Student Property Deposit Scholarship Fund - Temporary	610.95	21.29	6.50
12,059.99	U.T. System - General Tuition Revenue Bonds, Series 1971, 1972, & 1972A - Reserve Fund	12,059.99	650.32	6.50
2,521.14	U.T. Austin - Dormitory Revenue Bond Fund, Series 1954 - Reserve Fund	2,521.14	( 139.28)	8.00
646.25	U.T. Austin - Dormitory Revenue Bonds Fund, Series 1956 - Reserve Fund	646.25	( 33.24)	8.00
546.16	U.T. Austin - Student Housing Revenue Bonds of 1963 - Reserve Fund	546.16	12.73	7.19
3,515.25	U.T. Austin - Housing System Revenue Bonds, Series 1967 - Reserve Fund	3,515.25	61.31	7.11
1,367.00	U.T. Austin - Building Revenue Bonds, Series 1969 - Utility Plant - Student Fee Revenue Bonds - Reserve Fund	1,367.00	( 26.34)	8.00
5,897.05	U.T. Austin - Combined Fee Revenue Bonds, Series 1970, 1971 & 1972 - Reserve Fund	5,897.05	301.83	6.50
259.91	U.T. Austin - Student Union Revenue Bonds, Series 1958 - Reserve Fund	259.91	14.25	6.63
611.51	Galveston Medical Branch - Dormitory Revenue Bonds, Series 1955 - Reserve Fund	611.51	0.25	6.98
777.18	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Interest & Sinking Fund	777.18	46.63	6.50
1,436.51	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Reserve Fund	1,436.51	84.31	6.50
64.74	U.T. El Paso - Student Housing Revenue Bonds of 1961 - Reserve Fund	64.74	1.91	6.50
3,337.64	U.T. El Paso - Building Revenue Bonds, Series 1969 - Reserve Fund	3,337.64	197.49	6.58
338.42	U.T. El Paso - Student Union Building Revenue Bonds, Series A and B, 1967 - Reserve Fund	338.42	( 22.71)	8.00
1,872.13	U.T. El Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	1,872.13	94.66	6.83

INVESTMENTS DISPOSED OF  
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>	<u>Yield</u>
<u>U. S. GOVERNMENT OBLIGATIONS: (Continued)</u>				
\$ 86.17	U.T. Arlington - Housing System Revenue Bonds - Series 1963 - Reserve Fund	\$ 86.17	\$ 1.34	7.42%
71.92	U.T. Arlington - Student Center Fee Bonds, Series 1960 - Reserve Fund	71.92	-0-	8.00
74.17	U.T. Arlington - Gymnasium Fee Bonds - Series 1961 - Reserve Fund	74.17	-0-	8.00
1,236.93	U.T. Arlington - Student Fee Revenue Bonds - Series 1964, Series 1966, and Series 1968 - Reserve Fund	1,236.93	( 57.80)	7.84
328.37	U.T. Arlington - Combined Fee Revenue Bonds, Series 1971, 1971A & 1973 - Reserve Fund	<u>328.37</u>	<u>15.63</u>	<u>6.50</u>
	TOTAL - U. S. Government Obligations	<u>50,591.30</u>	<u>1,090.86</u>	<u>7.06%</u>

COMMON STOCKS:

See Stock Sales Schedule for Detail

	Dr. John Mattingly Grant to Dr. James Klinkhamer - Houston Dental Branch	25.64	--	--
	College of Business Administration Foundation - Anonymous Gift - General Purposes	8,166.77	( 2,027.40)	--
	Tom Slick Memorial Trust - U. T. Austin	<u>1,197.55</u>	<u>( 8.64)</u>	5.58%
	TOTAL - Common Stocks	<u>9,389.96</u>	<u>( 2,036.04)</u>	
	TOTAL - LONG TERM INVESTMENTS DISPOSED OF	<u>\$ 59,981.26</u>	<u>(\$ 945.18)</u>	

	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Yield</u>
<u>SHORT TERM PAPER:</u>			
14,000.00	City National Bank 4-1/2% CD, due 3/10/73 (Latin American Studies Development Program)	\$ 14,000.00	4.50%
821,143.06	City National Bank 5-3/8% CD, due 3/13/73 (Common Trust Fund)	821,143.06	5.375
200,000.00	FMC 5-1/4% Note, due 3/1/73 (Excellence in Education Fund - U. T. Dallas)	200,000.00	5.306
150,000.00	City National Bank 5-3/8% CD, due 3/12/73 (Common Trust Fund)	150,000.00	5.375

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(March, 1973)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. S. Government Obligations</u>				
\$ 194.15	GNMA, Pass-Through Pool #95, 8%, due 12/15/2000	\$ 194.15	(\$ 10.56)	8.00%
2,821.86	GNMA, Pass-Through Pool #163, 8%, due 2/15/2001	2,821.86	( 153.51)	8.00
553.88	GNMA, Pass-Through Pool #548, 8%, due 4/15/2001	553.88	( 30.31)	8.00
243.71	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	243.71	( 13.34)	8.00
123.94	GNMA, Pass-Through Pool #708, 6-1/2%, due 11/15/2001	123.94	5.24	6.50
1,117.80	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	1,117.80	110.22	6.50
<u>5,529.32</u>	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	<u>5,529.32</u>	( <u>95.10</u> )	<u>8.00</u>
<u>\$ 10,584.66</u>		<u>\$ 10,584.66</u>	<u>(\$ 187.36)</u>	<u>7.82%</u>

STOCK RECEIVED AND PURCHASED  
(March, 1973)

Teledyne, Inc. Common Stock 3% Stock Dividend Payable 3/1/73 to the Following:

<u>NAME OF FUND</u>	<u>NO. OF SHS. RECEIVED</u>	<u>ADDITIONAL SHS. PURCHASED</u>	<u>PURCHASE PRICE</u>	<u>TOTAL SHS. RECEIVED</u>
College of Business Administration Foundation -				
Various Donors	3.72 Shs.	.28 Shs.	\$5.57	4 Shs.
George M. Kozmetsky Memorial Scholarship	45 "	--		
Anonymous Gift - General Purposes	30 "	--		
Dr. John Mattingly Grant to Dr. James Klinkhamer - Houston Dental Branch	12 "	--		

STOCK SALES  
(March, 1973)

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>DR. JOHN MATTINGLY GRANT TO DR. JAMES KLINKHAMER - HOUSTON DENTAL BRANCH</u>				
1.29 Shs.	Teledyne, Inc. Common Stock	<u>\$ 25.64</u>	--	--
<u>COLLEGE OF BUSINESS ADMINISTRATION FOUNDATION - ANONYMOUS GIFT - GENERAL PURPOSES</u>				
500 Shs.	Teledyne, Inc. Common Stock	<u>\$ 8,166.77</u>	<u>(\$ 2,027.40)</u>	--

TOM SLICK MEMORIAL TRUST - U. T. AUSTIN

(March, 1973)

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
42 Shs.	Rex Chainbelt, Inc. (now Rexnord, Inc.) Common Stock	\$ 1,174.49	(\$ 1.51)	5.58%
3/4 Sh.	Louisiana-Pacific Corporation Common Stock	23.06	( 7.13)	--
	(Received in spin-off from Georgia-Pacific Corporation holdings)	<u>\$ 1,197.55</u>	<u>(\$ 8.64)</u>	<u>5.58%</u>

THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL

(March, 1973)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 845.58	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	\$ 845.58	(\$ 15.97)	8.00%
<u>126.65</u>	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	<u>126.65</u>	<u>9.70</u>	<u>6.50</u>
<u>\$ 972.23</u>		<u>\$ 972.23</u>	<u>(\$ 6.27)</u>	<u>7.80%</u>

GNMA PASS-THROUGH MATURITIES  
(March, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 148.96	\$ 1.85	6.50%
<u>TEXAS UNION BUILDING FUND:</u>			
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 347.88	\$ 31.45	6.50%
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 65.63	\$ -0-	8.00%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	372.71	0.22	6.50
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	439.84	26.39	6.50
	<u>\$ 878.18</u>	<u>\$ 26.61</u>	<u>6.59%</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 193.62	\$ 4.14	6.50%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	417.33	17.15	6.50
	<u>\$ 610.95</u>	<u>\$ 21.29</u>	<u>6.50%</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971, 1972, &amp; 1972A - RESERVE FUND:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 77.35	\$ 3.27	6.50%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	4,464.21	215.62	6.50
GNMA, Pool #1745, 6-1/2%, due 9/15/2002	7,518.43	431.43	6.50
	<u>\$ 12,059.99</u>	<u>\$ 650.32</u>	<u>6.50%</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 76.41	\$ -0-	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	2,444.73	( 139.28)	8.00
	<u>\$ 2,521.14</u>	<u>(\$ 139.28)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND:</u>			
GNMA, Pool #548, 8%, due 4/15/2001	\$ 502.95	(\$ 28.65)	8.00%
GNMA, Pool #650, 8%, due 4/15/2001	143.30	( 4.59)	8.00
	<u>\$ 646.25</u>	<u>(\$ 33.24)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 114.17	\$ -0-	8.00%
GNMA, Pool #650, 8%, due 4/15/2001	143.30	( 4.59)	8.00
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	288.69	17.32	6.50
	<u>\$ 546.16</u>	<u>\$ 12.73</u>	<u>7.19%</u>

GNMA PASS-THROUGH MATURITIES (Continued)  
(March, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. AUSTIN - HOUSING SYSTEM REVENUE BONDS, SERIES 1967 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 68.32	\$ -0-	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	821.28	( 46.79)	8.00
GNMA, Pool #650, 8%, due 4/15/2001	547.63	( 17.55)	8.00
GNMA, Pool #708, 6-1/2%, due 11/15/2001	38.62	1.87	6.50
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	787.34	48.66	6.50
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>1,252.06</u>	<u>75.12</u>	<u>6.50</u>
	<u>\$ 3,515.25</u>	<u>\$ 61.31</u>	<u>7.11%</u>
<u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u>			
<u>UTILITY PLANT - STUDENT FEE REVENUE BONDS - RESERVE FUND:</u>			
GNMA, Pool #548, 8%, due 4/15/2001	\$ 668.48	(\$ 38.08)	8.00%
GNMA, Pool #920, 8%, due 9/15/2001	<u>698.52</u>	<u>11.74</u>	<u>8.00</u>
	<u>\$ 1,367.00</u>	<u>(\$ 26.34)</u>	<u>8.00%</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970, 1971 &amp; 1972 -</u>			
<u>RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 15.74	\$ -0-	8.00%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	4,083.67	193.97	6.50
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>1,797.64</u>	<u>107.86</u>	<u>6.50</u>
	<u>\$ 5,897.05</u>	<u>\$ 301.83</u>	<u>6.50%</u>
<u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 22.47	\$ -0-	8.00%
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>237.44</u>	<u>14.25</u>	<u>6.50</u>
	<u>\$ 259.91</u>	<u>\$ 14.25</u>	<u>6.63%</u>
<u>GALVESTON MEDICAL BRANCH - DORMITORY REVENUE BONDS, SERIES 1955 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 194.18	\$ -0-	8.00%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>417.33</u>	<u>0.25</u>	<u>6.50</u>
	<u>\$ 611.51</u>	<u>\$ 0.25</u>	<u>6.98%</u>
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>			
<u>INTEREST &amp; SINKING FUND:</u>			
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>\$ 777.18</u>	<u>\$ 46.63</u>	<u>6.50%</u>
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>			
<u>RESERVE FUND:</u>			
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	\$ 583.86	\$ 35.03	6.50%
GNMA, Pool #1710, 6-1/2%, due 9/15/2002	<u>852.65</u>	<u>49.28</u>	<u>6.50</u>
	<u>\$ 1,436.51</u>	<u>\$ 84.31</u>	<u>6.50%</u>

GNMA PASS-THROUGH MATURITIES (Continued)  
(March, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</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	\$ 64.74	\$ 1.91	6.50%
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 66.53	\$ -0-	8.00%
GNMA, Pool #920, 8%, due 9/15/2001	123.07	2.94	8.00
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	3,148.04	194.55	6.50
	<u>\$ 3,337.64</u>	<u>\$ 197.49</u>	<u>6.58%</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	\$ 71.02	\$ -0-	8.00%
GNMA, Pool #548, 8%, due 4/15/2001	267.40	( 22.71)	8.00
	<u>\$ 338.42</u>	<u>(\$ 22.71)</u>	<u>8.00%</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 &amp; 1971 - RESERVE FUND:</u>			
GNMA, Pool #920, 8%, due 9/15/2001	\$ 411.13	\$ 6.37	8.00%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	350.37	21.65	6.50
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	1,110.63	66.64	6.50
	<u>\$ 1,872.13</u>	<u>\$ 94.66</u>	<u>6.83%</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 58.43	\$ -0-	8.00%
GNMA, Pool #708, 6-1/2%, due 11/15/2001	27.74	1.34	6.50
	<u>\$ 86.17</u>	<u>\$ 1.34</u>	<u>7.42%</u>
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 71.92	\$ -0-	8.00%
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND:</u>			
GNMA, Pool #184, 8%, due 4/1/2001	\$ 74.17	\$ -0-	8.00%
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND:</u>			
GNMA, Pool #548, 8%, due 4/15/2001	\$ 1,107.77	(\$ 63.11)	8.00%
GNMA, Pool #852, 6-1/2%, due 1/15/2002	129.16	5.31	6.50
	<u>\$ 1,236.93</u>	<u>(\$ 57.80)</u>	<u>7.84%</u>
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971, 1971A &amp; 1973 - RESERVE FUND:</u>			
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 39.68	\$ 1.92	6.50%
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	288.69	13.71	6.50
	<u>\$ 328.37</u>	<u>\$ 15.63</u>	<u>6.50%</u>

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND - RECOMMENDATION  
 RE ADDITIONS, TRANSFERS AND WITHDRAWALS.--The Associate Deputy Chancellor for  
 Investments, Trusts and Lands recommends that the following additions, transfers  
 and withdrawals made to the Common Trust Fund endowment account on March 1, 1973  
 at a market unit value of \$2.399986311, be approved:

Fund	Recommended Additions	No. Units Added
Jennie and Carl Sundberg Scholarship Fund (College of Arts & Sciences Foundation) (\$23,932.63 already in CTF)	\$ 2,118.75	883
J. C. Dolley Finance Education Fund (College of Business Administration) (\$175.15 already in CTF)	3.37	1
H. A. (Ted) Dulan Scholarship Fund (College of Business Administration) (\$4,809.06 already in CTF) Common Stock on hand 2/28/73 transferred at market close 2/28/73, last business day of quarter: 20 shares General Electric Co. @ 66-7/8	1,337.50	557
Mavis Alexander Fitzgerald Award (College of Business Administration) (\$253.65 already in CTF)	4.98	2
The Gilbreth Award Fund (College of Business Administration) (\$522.74 already in CTF)	9.35	4
Joseph Martin Hernandez, Jr., Memorial Scholarship (College of Business Administration) (\$1,109.89 already in CTF)	17.41	7
Karl and Helen McGinnis Scholarship (College of Business Administration) (\$2,290.00 already in CTF)	1,550.00	646
The Accounting Education Fund (College of Business Administration Foundation) (\$65,413.49 already in CTF)	571.00	238
J. Anderson Fitzgerald Special Scholarship Fund (College of Business Administration Foundation) (\$10,780.45 already in CTF)	125.00	52
Betty and Glenn Mortimer Student-Faculty Excellence Award (College of Business Administration Foundation) (NEW FUND)	24,328.75	10,137
J. L. Mosle Memorial Scholarship Fund (Department of Finance) (College of Business Administration Foundation) (\$37,020.56 already in CTF) Common Stock on hand 2/28/73 transferred at market close 2/28/73, last business day of quarter: 40 shares Texaco, Inc. Common Stock @ 38	1,974.19       1,520.00	
(Sub-total - Additions to J. L. Mosle Memorial Scholarship Fund)	( 3,494.19)	1,456
Additions - March 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

Fund	Recommended Additions	No. Units Added
Arthur Young Distinguished Professorship Fund (College of Business Administration Foundation) (\$57,925.00 already in CTF)	\$ 25,000.00	10,417
Communication Foundation - Office of the Dean - School of Communication - Special Projects (School of Communication - Department of Journalism) (NEW FUND)	53,976.50	22,490
Journalism Foundation - Paul J. Thompson-DeWitt Reddick Society (School of Communication - Department of Journalism) (\$39,266.95 already in CTF)	50.00	21
Ward C. Mayborn Journalism Scholarship (School of Communication - Department of Journalism) (NEW FUND)	2,500.00	1,042
DeWitt Reddick Journalism Scholarship Fund (School of Communication - Department of Journalism) (\$4,693.92 already in CTF)	80.04	33
W. A. (Bill) Cunningham Professorship (College of Engineering Foundation) (\$18,444.87 already in CTF)	10,425.13	4,344
Alfred and Nellie King Graduate Fellowship (College of Engineering Foundation) (\$20,765.16 already in CTF)	5,753.23	2,397
1966 M. E. Class Fund (College of Engineering Foundation) (\$314.97 already in CTF)	10.14	4
T. U. Taylor Scholarship Fund (College of Engineering Foundation) (\$8,352.73 already in CTF)	135.30	56
Lillian Barkley Scholarship Fund (College of Fine Arts Foundation) (\$7,023.97 already in CTF)	200.00	83
Mollie Fitzhugh Thornton Music Scholarship Fund (College of Fine Arts Foundation) (\$605.44 already in CTF)	9.72	4
Lucy Barton Scholarship (College of Fine Arts Foundation) (\$4,262.50 already in CTF)	100.00	42
The Morton Brown, Nellie Lea Brown and Minelma Brown Lockwood Scholarship Fund in Drama (College of Fine Arts Foundation) (\$22,005.00 already in CTF)	75.00	31
E. P. Conkle Playwriting Scholarship in Drama (College of Fine Arts Foundation) (NEW FUND)	3,680.00	1,533
Additions - March 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

Fund	Recommended Additions	No. Units Added
E. William Doty Scholarship Fund (College of Fine Arts Foundation) (\$4,717.62 already in CTF)	\$ 279.28	116
Department of Drama Ex-Students Scholarship Fund (College of Fine Arts Foundation) (\$11,767.52 already in CTF)	255.00	106
University Theatre Associates Endowment (College of Fine Arts Foundation) (NEW FUND)	22,132.79	9,222
The Loren Winship Scholarship Fund (College of Fine Arts Foundation) (\$6,003.85 already in CTF)	30.00	13
Wayne Franklin Bowman Scholarship Fund (Geology Foundation) (\$18,771.85 already in CTF) Common Stock on hand 2/28/73 transferred at market close 2/28/73, last business day of quarter: 10 shares Exxon Corporation @ 89-3/8	1,000.00     893.75	
(Sub-total - Additions to Wayne Franklin Bowman Scholarship Fund)	( 1,893.75)	789
Hal P. Bybee Memorial Fund (Geology Foundation) (\$237,650.55 already in CTF)	7,526.06	3,136
Dorothy Ogden Carsey Memorial Scholarship (Geology Foundation) (\$14,492.00 already in CTF)	1,105.00	460
Robert H. Cuyler Memorial Scholarship Fund (Geology Foundation) (\$20,279.32 already in CTF)	130.00	54
Miss Effie Graves Scholarship Fund (Geology Foundation) (\$11,000.00 already in CTF)	25.00	10
Guy E. Green Scholarship Fund (Geology Foundation) (\$14,578.00 already in CTF)	1,000.00	417
J. Hoover Mackin Scholarship Fund (Geology Foundation) (\$8,804.72 already in CTF)	505.00	210
Frederick W. Simonds Memorial Scholarship in Geology (Geology Foundation) (\$20,425.00 already in CTF)	100.00	42
Dr. F. L. Whitney Memorial Scholarship Fund (Geology Foundation) (\$23,026.75 already in CTF)	100.00	42
Additions - March 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

Fund	Recommended Additions	No. Units Added
F. L. Whitney Memorial Book Fund - Various Donors (Geology Foundation) (\$5,559.05 already in CTF)	\$ 540.00	225
Thomas Shelton Maxey Professorship in Law (School of Law) (\$89,839.97 already in CTF)	57.06	24
Pharmaceutical Research Fund (College of Pharmacy) (\$1,459.42 already in CTF)	34.51	14
Raoul Daniel Rene "Daddy" Cline Memorial Endowment Fund (Pharmaceutical Foundation) (\$1,190.21 already in CTF)	22.95	10
W. F. Gidley Appreciation Endowment Fund (Pharmaceutical Foundation) (\$3,528.53 already in CTF)	61.30	26
The Senior Class Endowment Fund (Pharmaceutical Foundation) (\$13,420.05 already in CTF)	225.57	94
E. Bagby Atwood Memorial Library Fund (\$8,616.40 already in CTF)	141.31	59
E. M. Barron Fund (\$75,587.76 already in CTF)	4,188.62	1,745
Carl Stone Benedict Scholarship Fund (\$27,108.07 already in CTF)	262.17	109
The Cline Collection of English and American Literature Since 1800 (\$26,001.40 already in CTF)	3,025.32	1,261
Roy Crane Award in the Arts (\$10,780.58 already in CTF)	39.80	17
Mamie Sue Bastian Scholarship (Delta Kappa Gamma) (\$10,000.00 already in CTF)	1,000.00	417
Annie Webb Blanton Scholarship (Delta Kappa Gamma) (\$18,010.92 already in CTF)	1,500.00	625
Eula Lee Carter Scholarship (Delta Kappa Gamma) (\$10,000.00 already in CTF)	1,000.00	417
Ethel V. Loving de Diaz Scholarship Fund (\$7,116.20 already in CTF)	95.88	40
Edward Louis Dodd and Alice Laidman Dodd Fellowship Fund (\$54,303.48 already in CTF)	201.22	84
James Leonard Duncan Scholarship Fund (\$8,903.19 already in CTF)	45.63	19
Additions - March 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

Fund	Recommended Additions	No. Units Added
Richard T. Fleming Library of The University of Texas Writer's Fund (\$1,905.90 already in CTF)	\$ 27.29	11
Maud McCain Harding Fund (NEW FUND)	18,300.06	7,625
Hinds-Webb Scholarship Fund (\$171.75 already in CTF)	2.94	1
Hogg Foundation: Will C. Hogg Fund (\$10,532,076.30 already in CTF)	44,271.94	18,447
Hogg Foundation: Varner Properties (\$2,891,186.38 already in CTF)	30,003.50	12,502
Hogg Foundation - Eloise Helbig Chalmers - Ima Hogg Fund (\$4,729.01 already in CTF)	265.47	111
Thomas E. Hogg - Residuary Legacy (\$8,028.03 already in CTF)	347.72	145
Archer M. Huntington Museum Fund (\$2,397,784.21 already in CTF)	13,932.19	5,805
Richard N. Lane Endowed Scholarship (NEW FUND)	20,000.00	8,333
C. L. Lundell Professorship of Systematic Botany (NEW FUND)	9,455.00	3,940
W. J. McDonald Observatory Fund (\$107,564.71 already in CTF)	62.70	26
The Roger Q. Mills Scholarship Fund (\$79.43 already in CTF)	1.67	1
Harry Estill Moore Disaster Study Collection (\$1,137.40 already in CTF)	17.71	7
Albert Noyes Distinguished Visiting Lecture Fund (\$3,090.00 already in CTF)	2,020.75	842
Shiela O'Gara Scholarship Fund (\$2,626.67 already in CTF)	38.12	16
The Perry and Tommie Patterson Fellowships in Political Science (\$1,721.61 already in CTF)	29.77	12
Dr. Edward Randall, Jr. Memorial Fund (\$2,062.87 already in CTF)	1,036.61	432
Lynda B. Johnson Robb Award (\$2,021.70 already in CTF)	38.75	16
Additions - March 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

Fund	Recommended Additions	No. Units Added
James M. Rockwell and Sarah Wade Rockwell Endowment Fund (\$144,187.50 already in CTF)	\$ 25,000.00	10,417
Tom Slick Memorial Trust for The University of Texas at Austin (\$36,617.34 already in CTF)	258,730.37	
Common Stock on hand 2/28/73 transferred at market close 2/28/73, last business day of quarter as follows:		
125 shares Caterpillar Tractor Co. @ 64-3/8	\$ 8,046.87	
125 shares Eastman Kodak Co. @ 138-3/4 . . .	17,343.75	
25 shares IBM @ 431-1/2 . . . . .	10,787.50	
63 shares Mobil Oil Corp. @ 64-1/8 . . . . .	4,039.87	
125 shares Phillips Petroleum Co. @ 42-3/4 . . . . .	5,343.75	
130 shares Exxon Corp. @ 89-3/8 . . . . .	11,618.75	
167 shares Texaco, Inc. @ 38 . . . . .	<u>6,346.00</u>	
	63,526.49	
(Sub-total - Additions to Tom Slick Memorial Trust for The University of Texas at Austin)	( 322,256.86)	134,274
Joanne Thaman Memorial Awards (\$1,367.00 already in CTF)	10.00	4
VanderPoel Fund for Research and Publication (\$29,357.03 already in CTF)	709.89	
Common Stock on hand 2/28/73 transferred at market close 2/28/73, last business day of quarter: 500 shares Union Carbide Corp. @ 44-3/8	22,187.50	
(Sub-total - Additions to VanderPoel Fund for Research and Publication)	( 22,897.39)	9,541
Excellence in Education Fund (U. T. Dallas) (\$200,000.00 already in CTF)	360,000.00	150,001
Gillette Professorship of Obstetrics and Gynecology (Dallas Medical School) (\$102,896.53 already in CTF)	349.35	146
The Josey Professorship of Community Health Services (Houston Medical School) (\$43,248.07 already in CTF)	10,736.26	4,473
Holman Taylor, Sr., M.D. and Holman Taylor, Jr., M.D. Scholarship Fund in Dermatology (Houston Medical School) (\$46,822.96 already in CTF)	18,308.93	7,629
Miss Eloise Alexander Memorial Fund (San Antonio Medical School) (\$208,560.80 already in CTF)	3,767.50	1,570
Holman Cartwright Fund (San Antonio Medical School) (\$728.00 already in CTF)	850.00	354
Additions - March 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

Fund	Recommended Additions	No. Units Added
Fitzhugh Carter Pannill Scholarship and Loan Fund (San Antonio Medical School) (\$4,648.29 already in CTF)	\$ 500.00	208
Phillip Pauerstein Memorial Fund (San Antonio Medical School) (\$1,180.00 already in CTF)	250.00	104
Dr. Witten B. Russ Chair in Surgery (San Antonio Medical School) (\$36,660.41 already in CTF)	35,397.81	14,749
Sudden Infant Death Research Fund (San Antonio Medical School) (NEW FUND)	22,000.00	9,167
Peter Allen Zanca Memorial Scholarship Fund (San Antonio Medical School) (\$7,048.00 already in CTF)	1,000.00	417
Carolyn Froebel Fund (Anderson Hospital) (\$1,400.76 already in CTF)	19.64	8
University Cancer Foundation (Anderson Hospital) (\$557,487.34 already in CTF)	111.43	46
Harry Carothers Wiess Chair for Cancer Research (Anderson Hospital) (\$605,936.54 already in CTF)	50,000.00	20,833
The Robert Cantrell Feamster Foundation (Galveston Medical Branch) (\$3,679.55 already in CTF)	67.08	28
The B. W. Henry Lectureship - Forensic Psychiatry (Galveston Medical Branch) (NEW FUND)	10,000.00	4,167
The Dr. Walter Junius Hildebrand Scholarship Fund (Galveston Medical Branch) (\$71,097.93 already in CTF)	458.77	191
Dr. Malcolm K. McCullough Lectureship in Ophthalmology (Galveston Medical Branch) (NEW FUND)	10,000.00	4,167
The James W. McLaughlin Fellowship Fund (Galveston Medical Branch) (\$821,235.98 already in CTF)	9,460.93	3,942
The Robertson Poth Professorship in Ophthalmology (Galveston Medical Branch) (\$21,714.83 already in CTF)	293.52	122
Additions - March 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

Fund	Recommended Additions	No. Units Added
James Wade Rockwell Endowment Fund (Galveston Medical Branch) (\$137,500.00 already in CTF)	\$ 12,500.00	5,208
William N. and Ida Zinn Alpha Omega Alpha Scholarship Fund (Galveston Medical Branch) (\$3,153.31 already in CTF)	67.72	28
Josephine Clardy Fox Estate Fund (U. T. El Paso) (\$1,614,118.06 already in CTF)	67,056.33	27,940
Patrick Romanell Visiting Professorship in Philosophy (U. T. El Paso) (\$2,589.64 already in CTF)	37.72	16
David Waddell Schillinger Scholarship (U. T. El Paso) (\$11,504.68 already in CTF)	195.50	81
Lydia Stark Memorial Scholarship in Speech Therapy (U. T. El Paso) (\$3,106.87 already in CTF)	15.27	6
The Mr. and Mrs. William Henry Wooldridge Library Fund (U. T. El Paso) (\$20,573.03 already in CTF)	3,551.03	1,480
TOTAL ADDITIONS TO COMMON TRUST FUND ON MARCH 1, 1973		
	<u>\$1,310,089.81</u>	<u>545,872</u>

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)

As of March 1, 1973, the following monies were withdrawn from the Common Trust Fund endowment account at a unit market value of \$2.399986311 based on market valuation as of February 28, 1973:

Fund	Cash Withdrawn
Morgan and Hamah Smith Callaway Fund	\$13,562.32
John Arch White Professorship in Business Administration (College of Business Administration Foundation)	4,496.37
TOTAL CASH WITHDRAWN ON MARCH 1, 1973	<u>\$18,058.69</u>

Results in Common Trust Fund endowment account after withdrawal:

Morgan and Hamah Smith Callaway Fund:

Book Value prior to withdrawal	\$24,437.84	Units Held prior to withdrawal	13,133
Book Value withdrawn	<u>10,515.36</u>	Units withdrawn	<u>5,651</u>
Book Value remaining after withdrawal	<u>\$13,922.48</u>	Units remaining after withdrawal	<u>7,482</u>

John Arch White Professorship in Business Administration:

Book Value prior to withdrawal	\$106,279.77	Units Held prior to withdrawal	51,895
Book Value withdrawn	<u>3,969.00</u>	Units withdrawn	<u>1,873</u>
Book Value remaining after withdrawal	<u>\$102,310.77</u>	Units remaining after withdrawal	<u>50,022</u>

Net Realized Profit on Sale of Investments:

Realized Profit prior to withdrawal		\$1,688,800.84
Reduction due to withdrawal:		
Morgan and Hamah Smith Callaway Fund	\$3,046.96	
John Arch White Professorship in Business Administration	<u>527.37</u>	<u>3,574.33*</u>
After withdrawal		<u>\$1,685,226.51</u>

\*Difference between Book Value in the amount of \$14,484.36 written off and cash withdrawn in the amount of \$18,058.69 based on Unit Value of \$2.399986311.

The results of the above additions and withdrawals will be THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND with a total Book Value of \$39,438,208.49 with 17,346,289 units outstanding as of March 1, 1973.

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND  
(Continued)SUMMARY

Cash Added 3/1/73	\$1,220,624.57
Cash Withdrawn 3/1/73	<u>18,058.69</u>
NET TOTAL CASH ADDED 3/1/73	<u>1,202,565.88</u>
Securities Added	<u>89,465.24</u>
TOTAL ADDITIONS TO COMMON TRUST FUND 3/1/73	<u>\$1,292,031.12</u>