

1922

THE UNIVERSITY OF TEXAS SYSTEM
Office of the Chancellor

April 6, 1972

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 April 29, 1972. 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 Austin
- The University of Texas at El Paso
- The University of Texas at Arlington
- The University of Texas at Dallas
- The University of Texas Southwestern Medical School at Dallas
- The University of Texas Medical School at San Antonio
- The University of Texas Dental School at San Antonio
- The University of Texas Medical Branch at Galveston
- The University of Texas Medical School at Houston
- The University of Texas Dental Branch at Houston
- The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston
- The University of Texas Graduate School of Biomedical Sciences at Houston
- Division of Graduate Studies
- The University of Texas School of Public Health at Houston
- The University of Texas Nursing School (System-wide)

Listed below are U. T. System and Institutional items which I recommend for the Board's ratification or approval, as appropriate, including my report of budget changes.

GIFTS

The following gifts have been received. I recommend acceptance by the Board of Regents:

<u>Donor</u>	<u>Item - Purpose</u>	<u>Amount</u>
1. *Mr. John C. Gibbs, Treasurer Benson and Edith Ford Fund 2600 Buhl Building Detroit, Michigan 48226	For Piano Workshops at Winedale Stagecoach Inn	\$ 6,000
2. *Anonymous	General University Development Purposes	\$10,000

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Item 4, A-1? Check this!

mapping cut - part out for use approving changes

GIFTS (Continued)

<u>Donor</u>	<u>Item - Purpose</u>	<u>Amount</u>
3. *The University of Texas Foundation, Inc. P. O. Box 7458, University Station Austin, Texas 78712	Support of Development Activities	\$ 5,000
4. Mr. J. H. Creekmore, President Houston Endowment, Inc. P. O. Box 52338 Houston, Texas 77052	Support for 1972 Program of The University of Texas Institute of Texan Cultures	\$15,000
5. *Mr. Larry Shortes District Manager Pioneer Natural Gas Company P. O. Box 4757 Odessa, Texas 70760	2,100 feet of 2-inch Plastic Gas Utility Pipeline serving the Administration Building at U. T. Permian Basin	---

*No letter of transmittal from donor.

PROPOSED CHANGES IN THE CLASSIFIED PERSONNEL PAY PLANSalary Rate Changes for University Police Titles -- System-wide.

In order to establish on a System-wide basis the same salary rates for all University police titles, it is proposed that the ranges indicated below be made effective September 1, 1972. These changes will change the salary range currently approved for each of the component institutions in the University System.

We have attempted to compare the salary ranges with the Department of Public Safety whose rates are set up by the State Classification Plan. The approach indicated is primarily one of expansion of the salary rates already approved. This approach will least affect most of the component institutions since their currently approved salary rates will fall within the proposed expansion of steps for each of the classifications.

For the Patrolman classification, only Galveston and El Paso are below the proposed minimum and only U. T. Houston is above the proposed maximum. For Sergeant, only El Paso, Galveston, San Antonio, and Dallas are currently below the proposed minimum and only Houston and Dallas Medical are above the proposed maximum. For Captain, only El Paso, Galveston, and San Antonio are currently below the proposed minimum. For the Assistant Chief, only Arlington and Galveston are below the proposed minimum. In most of these cases the differential is slight -- only one or two steps.

Because of the unique situation in which we are involved, however, there is a great deal of concern for the differences in salary rates throughout the System, particularly for this series of classifications. Since there is a great deal of interchange of University Policy with the thrust being toward a System Police Force, we believe that the proposed salary ranges will be a distinct advantage. Also, we believe that our recommendation, which primarily expands the salary ranges, will not be a serious problem for most Business Officers and Personnel Officers. We also plan to not include the Chief-of-Police in the Classified Personnel Pay Plan, which is already excluded at most component institutions. Each range includes eight salary steps.

<u>Code</u>	<u>Title</u>	<u>Proposed</u>	
		<u>Minimum</u>	<u>Maximum</u>
6335	Patrolman, University Police	\$592	\$ 800
6320	Sergeant, University Police	680	910
6318	Captain, University Police	770	1,050
6306	Assistant Chief-of-Police	870	1,200

PURCHASE FROM UNIVERSITY EMPLOYEE

U. T. Permian Basin requests permission to purchase from Dr. John J. McKetta, Professor of Chemical Engineering at U. T. Austin, twenty-three volumes of the Encyclopedia of Chemical Technology at a value set by him of \$20 per volume amounting to \$460, plus an additional charge for postage of \$6, making a total of \$466. Source of funds is from the State appropriation budgeted to the Learning Resources Center - Books (i.e., Library).

The twenty-three volumes of Encyclopedia of Chemical Technology is listed in Books in Print 1971 as \$50 per volume list price. Inasmuch as this is a short discount item, the discount quoted by Baker & Taylor is 16.5% or \$8.25 per volume.

U. T. SAN ANTONIO LEASE AGREEMENT

Lease agreement between the Kroger Properties, Inc. of San Antonio and The University of Texas at San Antonio for 8,037 square feet of space located in the San Jacinto Building at 4242 Piedras Drive East (Suite 250). The term of the lease is for twenty-nine months beginning January 1, 1972 and ending May 31, 1974. The rate is 0.4366 cents per square foot per month, amounting to \$3,508.95 per month. (Board of Control Lease No. U-2392L)

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGETOffice of the Chancellor - Bauer House

1. Transfer \$5,000 from the Classified Salaries account to the Maintenance and Operation account to reallocate funds needed for operating expenses. (RBC# D-103)

Law Office of The University of Texas System

2. Transfer \$4,500 from the Available University Fund Unallocated Operating Account to the Law Office Travel account. Unanticipated travel expenditures for trips to El Paso, Arlington, and to other component institutions have exhausted funds originally budgeted to this account. (RBC# D-95)

Special Services - Security Division

3. Appoint Joseph C. Webb as Deputy Director of Police effective June 1, 1972 at an annual salary rate of \$19,000. Source of funds: transfer from Maintenance and Operation account. (RBC's #D-96, D-97)
4. Appoint Robert K. Bratten as Special Investigator effective March 6, 1972 at an annual salary rate of \$10,500. Source of funds: transfer from Maintenance and Operation account. (RBC's #D-104, D-105)

Special Services - Development Division

5. The following transfer of funds reflects the movement of a portion of the development activity from U. T. Austin to System Administration. Personnel involved include Mr. W. D. Blunk, Executive Director, Mr. Joe C. Phillips, Administrative Assistant, and Mrs. Linda K. Dilday, Administrative Secretary:

Transfer of Funds:

<u>Account Title</u>	<u>Account Number</u>	<u>Amount</u>
From:		
<u>University Development Board:</u>		
Administrative and Professional Salaries	14-0605-1009	\$20,000
Classified Personnel	14-0605-1010	10,000
Clerical Assistants	14-0605-1020	1,000
Maintenance, Operation and Equipment	14-0605-1050	1,000
Travel	14-0605-1075	2,000
Publishing and Mailing	14-0605-1055	6,500
Total		<u>\$40,500</u>
To:		
<u>Special Services-Development Division</u>		
Administrative and Professional Salaries	14-0614-1009	\$15,500
Classified Personnel	14-0614-1010	14,500
Clerical Assistants	14-0614-1020	1,000
Maintenance, Operation and Equipment	14-0614-1050	1,000
Travel	14-0614-1075	2,000
Publishing and Mailing	14-0614-1055	6,500
Total		<u>\$40,500</u>

(RBC's #D-196, D-107)

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGET (Continued)Office of Facilities Planning and Construction (Revolving Fund)

6. Appoint Frank B. Brown as Construction Inspector effective March 20, 1972 at an annual salary rate of \$13,000. (RBC# D-102)
7. Appoint Bobby J. Haston as Mechanical Engineer effective April 10, 1972 at an annual salary rate of \$15,500. (RBC# D-108)

Central Medical Applications Division (Revolving Fund)

8. Transfer \$20,000 from the Central Medical Applications Division Income Account to a new account to be entitled Student Records Project. This will provide funds to initiate a program in keeping permanent records on students in the medical and dental units of the U. T. System. (RBC# D-98)

Regional Medical Program of Texas (U. S. Department of Health, Education and Welfare Contract Funds)

9. Appoint James C. Karsch as Operations Officer effective March 15, 1972 at an annual salary rate of \$13,000. (RBC# D-101)
10. Increase the annual salary rate of David K. Ferguson, Director of Program Management and Deputy Coordinator, from \$22,500 to \$23,500 effective March 1, 1972. (RBC# D-99)
11. Increase the annual salary rate of Maria A. Flood, Regional Representative, from \$12,000 to \$13,000 effective March 1, 1972. (RBC# D-100)

The University of Texas at San Antonio

12. Appoint Thomas M. Page as Director of Physical Plant Administration effective March 15, 1972 at an annual salary rate of \$17,500. (RBC# SAA-36)
13. Appoint Richard L. Lewis as Director of Admissions effective April 1, 1972 at an annual salary rate of \$17,500. Source of funds: Unallocated Account. (RBC's #SAA-38, SAA-39)
14. Transfer from the indicated departmental accounts to the institutional Unallocated Account, as follows:

<u>Department and Budget Category</u>	<u>Amount</u>
Office of the President	
Administrative and Professional Salaries	\$12,560.36
Classified Salaries	7,652.21
Wages	4,000.00
Maintenance, Operation, and Equipment	10,000.00
Travel	6,000.00
Office of Academic Affairs	
Administrative and Professional Salaries	24,000.00
Classified Salaries	6,594.00
Office of Fiscal Affairs	
Administrative and Professional Salaries	6,500.00
Classified Salaries	13,884.00
Equipment	6,000.00
Data Processing Services	
Classified Salaries	28,200.00
Wages	1,000.00
Maintenance, Operation, and Equipment	16,500.00
Travel	2,000.00
Office of Purchasing and Property	
Classified Salaries	252.00

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGETThe University of Texas at San Antonio (continued)

14. <u>Department and Budget Category</u>	<u>Amount</u>
Miscellaneous General Institutional Expense	
Consultants and Conferences	\$20,000.00
Catalogues and Bulletins	15,000.00
Office of the Dean of Humanities and Social Science	
Administrative and Professional Salaries	21,000.00
Classified Salaries	4,851.00
Wages	750.00
Maintenance, Operation, and Equipment	3,750.00
Travel	3,000.00
Faculty of Germanic and Slavic Languages	
Administrative and Professional Salaries	14,000.00
Classified Salaries	3,374.00
Wages	300.00
Maintenance, Operation, and Equipment	2,400.00
Travel	2,500.00
Faculty of Romance Languages and Linguistics	
Administrative and Professional Salaries	.56
Classified Salaries	5,784.00
Wages	450.00
Office of the Dean of Natural Sciences and Mathematics	
Administrative and Professional Salaries	21,000.00
Classified Salaries	4,851.00
Wages	900.00
Maintenance, Operation, and Equipment	2,000.00
Travel	2,000.00
Faculty of Biological Sciences	
Administrative and Professional Salaries	18,000.00
Classified Salaries	5,784.00
Wages	600.00
Maintenance, Operation, and Equipment	2,750.00
Travel	2,000.00
Office of the Dean of Business	
Wages	438.00
Maintenance, Operation, and Equipment	2,000.00
Travel	1,500.00
Dean of Multidisciplinary Studies and Education	
Administrative and Professional Salaries	34,500.00
Classified Salaries	4,851.00
Wages	750.00
Travel	4,000.00
Faculty of Professional Education	
Administrative and Professional Salaries	.56
Classified Salaries	3,374.00
Wages	750.00
Maintenance, Operation, and Equipment	1,500.00
Travel	1,500.00
Office of the Dean of Fine and Applied Arts	
Administrative and Professional Salaries	28,000.00
Classified Salaries	6,468.00
Wages	1,000.00
Maintenance, Operation, and Equipment	3,500.00
Travel	3,000.00
Library	
Administrative and Professional Salaries	13,400.00
Classified Salaries	3,955.00
Wages	2,000.00
Travel	3,000.00

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGETThe University of Texas at San Antonio (continued)

<u>14. Department and Budget Category</u>	<u>Amount</u>
Physical Plant General Services	
Administrative and Professional Salaries	\$ 2,408.60
Classified Salaries	2,933.00
Office of University and Student Affairs	
Classified Salaries	<u>5,784.00</u>
TOTAL	<u>\$432,799.29</u>

Reallocation of funds from various accounts initially established in the budget via the institutional Unallocated Account provides the source of funds for purchasing (or encumbering) library books and institutional equipment. (RBC's #SAA-32, SAA-37)

The University of Texas Institute of Texan Cultures at San Antonio

15. The following transfers among the various operating accounts represent reallocations through the institutional Unallocated Account for operating purposes:

From:	
Administration - Classified Salaries	\$ 2,010.27
Records - Classified Salaries	1,517.38
Research - Classified Salaries	6,402.86
Physical Plant - Classified Salaries	<u>4,378.01</u>
TOTAL	<u>\$14,308.52</u>
To:	
Administration - Wages	\$ 950.00
Exhibits - Classified Salaries	2,344.68
Physical Plant - Wages	5,000.00
Unallocated Account	<u>6,013.84</u>
TOTAL	<u>\$14,308.52</u>

(RBC's #TC-97, TC-98, TC-99, TC-100, TC-101, TC-102, TC-103)

16. The following operating accounts have been established from the Piper Foundation grant funds for research on the Negro in Spanish Texas:

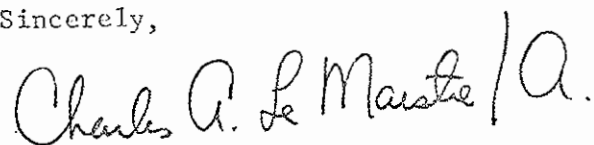
Classified Salaries	\$10,920
Maintenance, Operation, and Equipment	200
Travel	<u>500</u>
TOTAL	<u>\$11,620</u>

(RBC's # TC-104, TC-105, TC-106)

REPORT OF AMENDMENTS TO THE 1971-72 SYSTEM ADMINISTRATION BUDGET (Continued)The University of Texas of the Permian Basin

17. Transfer \$1,500 from the Office of the Executive Director of Student Services Clerical Assistants account to the Support Services Division Clerical Assistants account. This reallocates funds for utilization as needed for operation of U.T.P.B. (RBC# PB-89)

Sincerely,

Handwritten signature of Charles A. LeMaistre in cursive script, followed by a large capital letter 'A'.

Charles A. LeMaistre, M.D.
Chancellor

CAL:bb

THE UNIVERSITY OF TEXAS AT AUSTIN

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April 29, 1972

Meeting

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The University of Texas at Austin

The UNIVERSITY of TEXAS at AUSTIN

Office of the President

April 3, 1972

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

Dear Chancellor 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 in Austin on April 29, 1972.

RESEARCH AND OTHER ACADEMIC CONTRACTS: The following contracts, grants and amendments have been signed by the appropriate official upon recommendation of the respective technical directors, fiscal officers, and the Office of Sponsored Projects.

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 will conform to established procedures.

I recommend your approval and ratification of signatures. F

CONTRACTS and GRANTS (Federal):

1. Modification P00006, Supplemental Agreement to Contract F30602-70-C-0118, by which the Department of the Air Force, Headquarters Rome Air Development Center (AFSC), Griffiss Air Force Base, New York, increases the funds by \$146,895 to a new total cost of \$483,836; however, only \$369,726 is allocated for the period through July 31, 1972. The program entitled, "Development of German-English Machine Translation System," continues under the direction of Dr. W. P. Lehmann, Ashbel Smith Professor of Linguistics and of Germanic Languages.
2. Modification P00007 to Contract F30602-70-C-0118, by which the Department of the Air Force, Headquarters Rome Air Development Center (AFSC), Griffiss Air Force Base, New York, makes certain administrative changes in the fund citation of the contract. The program entitled, "Development of German-English Machine Translation System," continues under the direction of Dr. W. P. Lehmann, Ashbel Smith Professor of Linguistics and of Germanic Languages.
3. Modification P00004 to Contract F 30602-70-C-0129, by which the Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, makes certain administrative changes in the fund citation of the contract. The research entitled, "Theoretical Study Effort of High Quality Translation," was under the direction of Dr. W. P. Lehmann, Ashbel Smith Professor of Linguistics and of Germanic Languages.

4. Modification P00003 to Contract F33615-71-C-1203, by which the Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, reduces the cost of the contract by \$150,000 to a new total estimated cost of \$115,000, funds an additional \$30,000 to the allotted amount of \$115,000, and provides a new termination date of July 31, 1972. The research entitled, "Exploratory Development of Wide Bandwidth Propagation at 15 and 35 GHz," continues under the direction of Dr. A. W. Straiton, Ashbel Smith Professor of Electrical Engineering.
5. Modification P00002, Supplemental Agreement to Contract F41609-71-C-0001, by which the Department of the Air Force, Aerospace Medical Division, Brooks Air Force Base, Texas, transfers title to certain items of property to the contract. The research entitled, "Loss of Functional Vision Due to Lasers," continues under the direction of Dr. Ashley J. Welch, Associate Professor of Electrical Engineering.
6. Modification A013, Supplemental Agreement to Contract DA-29-040-AMC-1802, by which the Department of the Army, White Sands Missile Range, New Mexico, increases funds by \$1,380 and changes the final overhead rate for the period September 1, 1969 through August 31, 1970 from 43.5% to 46% of salaries and wages. The atmospheric and stratospheric analysis was under the direction of Kenneth H. Jehn, Associate Professor of Meteorology.
7. Modification P00001, Supplemental Agreement to Contract DAAB07-72-C 0086, by which the Department of the Army, U.S. Army Electronics Command, Fort Monmouth, New Jersey, agrees to and authorizes performance of unclassified laboratory work under the contract on the main campus in the Biomedical Laboratories of the Electrical Engineering Department. Other work continues in the Electrical Engineering Research Laboratory under the direction of Dr. Alfred H. LaGrone, Professor of Electrical Engineering.
8. Modification P00002, Supplemental Agreement to Contract DAAB07-72-C-0086, by which the United States Army, U.S. Army Electronics Command, Fort Monmouth, New Jersey, increases contract funds to \$84,495 in order to provide \$633 to cover Unemployment Compensation Insurance. The research continues in Electrical Engineering Research Laboratories under the direction of Dr. Alfred H. LaGrone, Professor of Electrical Engineering.
9. Contract DACW56-72-C-0084, by which the Department of the Army, Tulsa District, Corps of Engineers, Tulsa, Oklahoma, provides \$26,200 for support of a project entitled, "Assessment of the Archeological-Paleontological Resources of Lake Texoma (Denison Restudy) Red River, Texas and Oklahoma Area." The contract is effective for the period February 14, 1972 through August 17, 1972, and the project will be under the direction of David S. Dibble, Acting Director of the Texas Archeological Salvage Project.
10. Modification P-209 to Contract DADA-17-69-C-9067, by which the Department of the Army, U. S. Army Medical Research and Development Command, Washington, D. C., makes certain changes to the Accounting and Appropriation Data of the contract. The studies on prophylactic and curative treatment of malaria continues under the direction of Dr. Karl Folkers, Director, Institute for Biomedical Research.

11. Modification P-208, Change Order to Contract DADA17-69-C-9073, by which the Department of the Army, U. S. Army Medical Research and Development Command, Washington, D. C., adds \$251.25 to the contract funds due to overhead rate adjustment. The research entitled, "Process of Modeling of Biological Waste Treatment," continues under the direction of Dr. David M. Himmelblau, Professor of Chemical Engineering.
12. Modification P00002, Supplemental Agreement to Contract DAHC60-71-C-0053, by which the Department of the Army, U. S. Army Safeguard System Command, Huntsville, Alabama, extends the period of the contract through July 10, 1972. The research entitled, "Development of an Automated Software Evaluation System," continues under the direction of Dr. C. V. Ramamoorthy, Professor of Computer Sciences and of Electrical Engineering.
13. Modification No. 02, Supplemental Agreement to Contract N00014-67-A-0126-0014, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$37,500 and increases total funds and the estimated cost to \$112,114. The period for performance is extended through May 31, 1973, and the research entitled, "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.
14. Contract N00014-67-A-0126-0017, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$19,985 for support of research entitled, "The Study of Atom-Atom, Electron-Molecule and Photon Molecule Processes." The contract is effective for the period February 1, 1972 through January 31, 1973, and the research will be under the direction of Dr. J. C. Browne, Professor of Computer Sciences and of Physics.
15. Contract N00014-70-A-0166-0009, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$20,000 for support of research entitled, "Echo Structures." The contract is effective for the period February 1, 1972 through January 31, 1973, and its performance will be in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
16. Modification P00004 to Contract N00024-71-C-1073, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period of the contract through September 30, 1972, or whenever the funds are expended, whichever occurs first. The research continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
17. Contract N00024-72-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$869,000 for support of research entitled, "Naval Shipyard and TRF Sonar Support and Assistance." The contract is effective for the period February 4, 1972 through January 31, 1973, and the work will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

18. Modification P00001, to Contract N00024-72-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., changes the beginning effective date from February 4, 1972 to February 1, 1972, incorporates the advance payments, findings and authority clauses in accordance with the Advance Payments Pool Agreement between the Government and the University (dated February 3, 1971), and corrects the address of the Administrative Office. The research continues in Applied Research Laboratories under the direction of Chester M. McKinney, Jr., Director.
19. Contract N00024-72-C-1228 by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$72,000 for support of a project entitled, "Swimmer Delivery Vehicle Mark VII Sonar Installation." The contract is effective for the period February 15, 1972 through December 14, 1972, and includes an anticipatory cost clause allowing charges to begin December 31, 1971. The work is performed by Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
20. Modification P00001 to Contract N00024-72-C-1228, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., adds to the Schedule the provision: "Pro rata share of ARL's building, as provided by Contract NOw-66-0078m, 'Agreement for Special Use Allowance'," without changing the estimated cost of the contract. The Swimmer Delivery Vehicle Mark VII Sonar Installation continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
21. Modification P00003, Supplemental Agreement to Contract N00123-69-C-2116, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, provides \$1,172 for reimbursement of a cost overrun generated by a negotiated increase in overhead rate set at 17% of salaries and wages for the period ended August 31, 1970, and increases the estimated cost of the contract to \$96,905. The research utilizing a pulse compression radar, conducting flight tests, and data gathering as requested was performed by Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
22. Modification P00002 to Contract N00612-72-C-0220, by which the Department of the Navy, Naval Supply Center, Charleston, South Carolina, incorporates into the contract the advance payments and authority clauses in accordance with the Advance Payment Pool Agreement, dated February 3, 1971, between the Government and the University. The technical support for AN/FQM-10(V) test equipment continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
23. Contract N66604-72-C-0181 by which the Department of the Navy, Naval Underwater Systems Center, Newport, Rhode Island, provides \$3,000 for the period February 16, 1972, through April 30, 1972, to cover cost of travel, per diem, and salaries required to acquire and process transducer data in addition to that set forth in Contract N00024-70-C-1117. The research entitled, "High Level Impedance Measurements (USS DAMATO)" is performed by Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

24. Modification No. 2, Supplemental Agreement to Contract AT-(40-1)-4023, by which the United States Atomic Energy Commission, Oak Ridge, Tennessee, adds \$30,000 additional funds and extends the period of the contract through December 31, 1972. The research entitled, "Studies of Drosophila Dispersal and Migration by Neutron Activation and Genetic Techniques," continues under the direction of Dr. R. H. Richardson, Associate Professor of Zoology.
25. Amendment No. 2S to Contract NAS 9-10976, by which the National Aeronautics and Space Administration, Manned Spacecraft Center, Houston, Texas, provides \$10,000 additional funds and extends the period of the contract through December 31, 1972. The research entitled, "The Influence of Fuselage Nose Bluntness on the Aerothermodynamic Environment Around Space Shuttle Configurations," continues under the direction of Dr. John J. Bertin, Associate Professor of Aerospace Engineering and Engineering Mechanics.
26. Contract No. 14-10-3-930-221, by which the Department of the Interior, National Park Service, Arizona Archeological Center, University of Arizona, Tucson, Arizona, provides \$4,762 for a project entitled, "Investigation of the Cultural and Related Environmental Resources at the El Paso Local Protection Project, Range Dam, El Paso County, Texas." The contract is effective for the period January 26, 1972 through March 13, 1972, and the project will be under the direction of David S. Dibble, Acting Director of the Texas Archeological Salvage Project.
27. Change Order No. 3 to Contract No. 14-10-7:931-24, by which the Department of the Interior, National Park Service, Arizona Archeological Center, University of Arizona, Tucson, Arizona, extends the period of the contract through September 30, 1972. The test excavations at selected archeological sites in the North Fork Reservoir, Texas, continue under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.
28. Change Order No. 2 to Contract No. 14-10-7:931-44, by which the Department of the Interior, National Park Service, Arizona Archeological Center, University of Arizona, Tucson, extends the period of the contract through August 31, 1972. The test excavations at selected archeological sites in the Wallisville Reservoir, Texas, continue under the direction of David S. Dibble, Acting Director, Texas Archeological Salvage Project.
29. Modification No. 5, Supplemental Agreement to Contract No. 81-46-70-24, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., provides \$70,000 additional funds and extends the period of the contract through September 30, 1973. The research entitled, "Negro Employment in the South: The Federal Service and the Construction Industry," continues under the direction of Dr. F. Ray Marshall, Professor of Economics.
30. Modification No. 2, Supplemental Agreement to Contract No. 82-48-71-18, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., provides \$83,000 additional funds and extends the period of the contract through January 30, 1973. The research entitled, "Nonapprentice Entry to Selected Construction Trades," continues under the direction of Dr. F. Ray Marshall, Professor of Economics.
31. Modification No. 3 to Contract No. 82-48-71-38, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C. extends the period of the contract through February 20, 1973. The pilot project to overcome barriers to employment of minority women in white collar jobs continues under the direction of Dr. F. Ray Marshall, Professor of Economics.

32. Modification No. 2 to Grant No. 91-46-70-35, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., extends the period of the grant through March 31, 1973. The research entitled, "Doctoral Dissertation Research in Relationships between Population Decrease and Tertiary Employment Opportunities in Agricultural Communities," continues under the direction of Dr. Robert C. Mayfield, Professor of Geography.
33. Grant No. 92-48-72-06, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., provides \$40,747 for support of research entitled, "Employment and Manpower Implications of Urban Fields and Nonmetropolitan Development." The grant is effective for the period February 1, 1972 through September 30, 1972, and the research will be under the direction of Dr. Niles M. Hansen, Professor of Economics.
34. Action No. 1 to Grant No. 60051 [formerly CG-6611 A/O], by which the Office of Economic Opportunity, Washington, D. C., extends the period of the grant for one month through January 31, 1972, without additional funds. The research entitled, "Planning for Growth and Development in Rural Areas in the Context of a National System of Regions," continues under the direction of Dr. Niles M. Hansen, Professor of Economics.
35. Grant R-800987 (formerly #17090 EPW), by which the Environmental Protection Agency, Washington, D. C., provides \$28,611 for support of research entitled, "Center for Competence for Document Processing in the Area of Wastewater Treatment." The grant is effective for the period February 1, 1972, through January 31, 1973, and the research continues under the direction of Dr. R. E. Speece, Professor of Environmental Health Engineering.
36. Award Letter dated January 18, 1972, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides 10 new two-year fellowships in Junior College Administration for 1972-73; this program will be under the direction of Dr. John E. Roueche, Professor of Educational Administration. In addition, it provides 7 new one-year fellowships in Library-Educational Technology for 1972-73, and this program will be under the direction of Stanley McElderry, Dean, Graduate School of Library Science.
37. OEC-6-72-0724-(509), by which the Office of Education, Department of Health, Education, and Welfare, Washington, D. C., provides \$9,998 for support of research entitled, "A Study to Determine the Effectiveness of Electronically Paced Typewriting Instruction for Blind Students." The contract is effective for the period February 1, 1972 through April 30, 1973, and the research will be under the direction of Dr. Faborn Etier, Associate Professor of Office Administration.
38. Grant AI08286-04A1, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$25,888 for support of research entitled, "Regulation of Bacterial Cell Division." The grant is effective for the period January 1, 1972 through December 31, 1974, and the \$25,888 now appropriated is for the period January 1, 1972 through December 31, 1972. The research continues under the direction of Dr. James R. Walker, Associate Professor of Microbiology.
39. Grant GM18775-01, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$34,384 for support of research entitled, "Factors Controlling Protein Biosynthesis." The grant is effective for the period January 1, 1972 through December 31, 1974, and the \$34,384 now appropriated is for the period January 1, 1972 through December 31, 1972. The research will be under the direction of Dr. Joanne M. Ravel, Assistant Director of the Clayton Foundation Biochemical Institute.

40. Revised Grant HD 04149-04, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, reduces funding by \$24,704 to a new total of \$7,074 and changes the termination date to October 31, 1971. The research entitled, "Regulation of Reproduction in Rodent Populations," was conducted under the direction of Dr. Franklin H. Bronson, Associate Professor of Zoology.
41. Amendment No. 7 to Indemnity Agreement No. E-25, between The University of Texas at Austin and the U.S. Atomic Energy Commission, relative to the University's Nuclear Reactor Laboratory. This amendment has been issued to reflect the recent amendment to 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," effective March 1, 1972, increasing from \$82,000,000 to \$95,000,000 the available nuclear energy liability insurance provided by Nuclear Energy Liability Insurance Association and Mutual Atomic Energy Liability Underwriters. Dr. E. Linn Draper is the current Director of the University's Nuclear Reactor Laboratory.
42. Grant HD 06481-01, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$34,601 for support of research entitled, "NA and Protein Synthesis in the Mammalian Oviduct." The grant is effective for the period February 1, 1972 through January 31, 1975, and the \$34,601 now appropriated is for the period February 1, 1972 through January 31, 1973. The research will be under the direction of Dr. Terrell H. Hamilton, Professor of Zoology.
43. Revised Grant NS 08251-04, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, increases funds by \$1,805 to a new total of \$14,625. The research entitled, "Physiology of Chemoreception," was under the direction of Dr. Frank E. Hanson, Assistant Professor of Zoology.
44. Grant 5 T01 GM00337-13, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$143,099 for support of a training program entitled, "Genetics and Cell Biology." The grant is effective for the period July 1, 1972 through June 30, 1975, and the \$143,099 now appropriated is for the period July 1, 1972 through June 30, 1973. The program continues under the direction of Dr. Robert P. Wagner, Professor of Zoology.
45. Grant 5 T01 GM00600-13, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$68,510 for support of a training program in microbiology. The grant is effective for the period July 1, 1972 through June 30, 1975, and the \$68,510 now appropriated is for the period July 1, 1972 through June 30, 1973. The program continues under the direction of Dr. Orville Wyss, Professor of Microbiology.
46. Grant 5 K02 MH11174-05, Research Scientist Development Award—Research Career Program, by which the Department of Health, Education, and Welfare, Public Health Service, Bethesda, Maryland, provides \$27,505 for support of research entitled, "Single Cone Substitution and Behavior in Mice." The grant is effective for the period January 1, 1972 through December 31, 1972, and the research will be under the direction of Dr. Delbert D. Thiessen, Professor of Psychology, and Dr. Janet T. Spence, Professor of Psychology and of Educational Psychology.

47. Amendment No. 1 to Grant No. 44-P-30062/6-07, by which the Department of Health, Education, and Welfare, Social and Rehabilitation Service, Rehabilitation Administration—Division of Training, Washington, D. C. decreases the budget due to over-estimated balance from -06 year. Total amount of award remains the same. The training program in mental retardation continues under the direction of Dr. Jack Otis, Professor and Dean, Graduate School of Social Work.
48. Amendment No. 1 to Grant No. 44-P-30063/6-09, by which the Department of Health, Education and Welfare, Social and Rehabilitation Service, Rehabilitation Services Administration-Division of Training, Washington, D. C., increases the grant funds by \$6,475. The teaching grant and traineeships in speech pathology and audiology continues under the direction of Dr. Lennart L. Kopra, Professor of Speech and Education.
49. Revised Amendment No. 1 to Grant No. 44-P-30067/6-07, by which the Department of Health, Education, and Welfare, Social and Rehabilitation Service, Rehabilitation Services Administration-Division of Training, Washington, D. C., applies reported unobligated balance of \$1,275 from the -06 year toward the current budget. Total federal budget for -07 year remains unchanged. The rehabilitation counselor training program continues under the direction of Dr. Giles D. Carnes, Associate Professor of Special Education.
50. Amendment No. 2 to Grant No. 44-P-30067/6-07, by which the Department of Health, Education, and Welfare, Social and Rehabilitation Service, Rehabilitation Services Administration-Division of Training, Washington, D. C., adds \$21,427 to the grant funds and increases total funds to \$119,699 for the period through August 31, 1972. The rehabilitation counselor training program continues under the direction of Dr. Giles D. Carnes, Associate Professor of Special Education.
51. Amendment No. 1 to Grant No. 84-P-30017/6-07, by which the Department of Health, Education, and Welfare, Social and Rehabilitation Service-Community Services Administration, Washington, D. C., adjusts the budget to allow expenditure of additional unobligated funds remaining from previous budget. This training program [former Grant CWT-70-33] was continued for the period July 1, 1971 through June 30, 1972, by a new grant incorrectly designated as No. 84-P-30017/6-03, which instead should have been No. 84-P-30017/6-07 as reflected on the current amendment. The training program entitled, "Child Welfare Field Instruction Unit and Developmental Work in Field Instruction," continues under the direction of Dr. Jack Otis, Dean, Graduate School of Social Work.
52. Amendment No. 1 to Grant GB-27493, by which the National Science Foundation, Washington, D. C., provides \$117,600 additional funds and extends the period of the grant through June 30, 1973. The project entitled, "Coordination of Integrated Research Programs in the Environmental Management Component of the U.S./International Biological Program," continues under the direction of Dr. W. Frank Blair, Professor of Zoology.
53. Modification No. 1 to Grant GB-27937X, by which the National Science Foundation, Washington, D. C., provides \$30,000 additional funds and extends the period of the grant through September 30, 1973. The research entitled, "Biochemistry of Hemoglobins and Certain Other Proteins," continues under the direction of Dr. Austen F. Riggs, Professor of Zoology.
54. Grant GK-32595X, by which the National Science Foundation, Washington, D. C., provides \$25,000 for support of research entitled, "Real-time Visual Recognition by Digital Computer." The grant is effective for the period February 15, 1972, through July 31, 1973, and the research will be under the direction of Dr. J.K. Aggarwal, Associate Professor of Electrical Engineering.

55. Amendment No. 1 to Grant GJ-492, by which the National Science Foundation, Washington, D. C., extends the period of the grant through August 31, 1972, without additional funds. The research entitled, "Investigation of the User Micro-programmable Computing Systems," continues under the direction of Dr. C. V. Ramamoorthy, Professor of Computer Sciences and of Electrical Engineering.
56. Amendment No. 1 to Grant GJ-778, by which the National Science Foundation, Washington, D. C., provides \$34,200 additional funds and extends the period of the grant through November 30, 1974. The research entitled, "Formal Theory of Programming Language Definition," continues under the direction of Dr. Terrence W. Pratt, Assistant Professor of Computer Sciences.
57. Amendment No. 1 to Grant GN-28893, by which the National Science Foundation, Washington, D. C., provides \$5,000 additional funds and extends the period of the grant through October 12, 1972. The research entitled, "Legal Aspects of Information System and Data Bases," continues under the direction of Dr. Michael A. Duggan, Associate Professor of Business Law and of Computer Sciences.
58. Amendment No. 1 to Grant GP-13951, by which the National Science Foundation, Washington, D. C., extends the period of the grant through August 31, 1972. The research entitled, "Revision of Reference Catalogue of Bright Galaxies," continues under the direction of Dr. G. H. de Vaucouleurs, Professor of Astronomy.
59. Amendment No. 1 to Grant GP-25199, by which the National Science Foundation, Washington, D. C., extends the period of the grant through September 30, 1972. The research entitled, "Spectroscopy and Relaxation of Solids Containing Dilute Impurities," continues under the direction of Dr. A. Wilson Nolle, Professor of Physics.
60. Amendment No. 2 to Grant GS-3221, by which the National Science Foundation, Washington, D. C., extends the period of the grant through June 30, 1972. The doctoral dissertation research in linguistics continues under the direction of Dr. Edgar C. Polome, Professor of Germanic Languages and of Linguistics and of Oriental and African Languages and Literatures.
61. Grant GW-7544, by which the National Science Foundation, Washington, D. C., provides \$20,181 for support of a project entitled, "Student Science Training Program (Pre-College)." The grant is effective for the period February 25, 1972 through October 31, 1972, and the project will be under the direction of Dr. Irwin Spear, Professor of Botany.
62. Grant GY-9727, by which the National Science Foundation, Washington, D. C., provides \$68,900 for support of a College Science Improvement Program (Cooperative Projects for Two-Year Colleges). The grant is effective for the period February 11, 1972 through December 31, 1973, and the program will be under the direction of Dr. Robert E. Boyer, Professor of Geology and Education.
63. Grant GZ-2508, by which the National Science Foundation, Washington, D. C., provides \$152,750 for support of 26 continuation graduate traineeships; of these, 15 are third-year continuations of new traineeships granted in 1970, and 11 are fourth-year continuations of traineeships granted in 1969. The grant is effective for the period February 23, 1972 through September 30, 1973, and the program continues to be coordinated by Dr. Fred P. Ellison, Associate Dean of the Graduate School.

GRANTS, CONTRACTS and AGREEMENTS (Other):

1. Grant No. 1-C4-949, by which the Texas Criminal Justice Council, Executive Office of the Governor, Austin, Texas, provides \$22,010 for support of the delinquency rehabilitation and curriculum development project. The grant is effective for the period March 1, 1972 through August 31, 1972, and the project continues under the direction of Dr. Jack Otis, Dean, Graduate School of Social Work.
2. Agreement between the City of Austin Police Department and the Bureau of Government Research, The University of Texas at Austin, dated February 14, 1972, by which the City of Austin Police Department provides \$4,053.60 for support of an evaluation of police community relations program. The agreement is effective beginning February 14, 1972, for a period of one-year, and the program will be under the direction of Dr. Nicholas P. Thomas, Director, Bureau of Government Research, Lyndon B. Johnson School of Public Affairs.

CONTRACTS, GRANTS and AGREEMENTS (Non-Governmental):

1. Grant Award Letter dated March 6, 1972 [Extension to Award Letter dated March 3, 1971], by which the American Association of Petroleum Geologists, Tulsa, Oklahoma, provides \$6,239 for support of research entitled, "Mapping of Equilibrium Bottomhole Temperatures in Texas and Oklahoma." The grant is effective January 1, 1972 and extends through December 1, 1972, and the research continues under the direction of Dr. Ralph O. Kehle, Associate Professor of Geology.
2. Contract APL/JHU No. 372041, by which The Johns Hopkins University, Applied Physics Laboratory, Silver Spring, Maryland, provides \$68,365 for support of research entitled, "Geodetic and Upper Atmosphere Studies." The contract is effective for the period January 31, 1972 through February 28, 1973, and the work will be performed by Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
3. Grant No. 72/48, by which The Moody Foundation, Galveston, Texas, provides \$14,270 for support of development of a graduate course on college teaching techniques in engineering and science. The grant is effective for the period February 18, 1972 through August 31, 1973, and the program will be under the direction of Dr. James E. Stice, Associate Professor of Chemical Engineering.
4. Purchase Order No. 2360, by which The Population Council, New York, New York, provides \$17,787 for support of research in providing a leutinizing releasing hormone (LRH). The purchase order is effective February 14, 1972, and the research will be under the direction of Dr. Karl Folkers, Director, Institute for Biomedical Research.
5. Grant No. 6368, by which the Research Corporation, New York, New York, provides \$6,510 for support of research entitled, "X-ray X-ray Coincidence Studies in Heavy Ion Reactions." The grant is effective for the period beginning March 1, 1972, and the research will be under the direction of Dr. Patrick Richard, Associate Professor of Physics.

[Contracts, Grants and Agreements (Non-Governmental) - Cont'd]

6. Grant No. 6469, by which the Research Corporation, New York, New York, provides \$6,500 for support of research entitled, "X-ray Emission from Molecular Ions." The grant is effective for the period beginning March 1, 1972, and the research will be under the direction of Dr. C. Fred Moore, Professor of Physics.
7. Extension to Agreement between Solution Mining Research Institute, Inc., Flossmoor, Illinois, which provides additional funds of \$25,000 and extends the period of SMRI Contract No. 30852-2 through December 31, 1972. The research entitled, "Dissolution Mechanism," continues under the direction of Dr. Frank W. Jessen, Professor of Petroleum Engineering.
8. Subcontract No. 3661, by which Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, provides \$10,000 for support of research entitled, "An Evaluation of the Creep Behavior of Concrete." The subcontract is effective for the period January 1, 1972 through June 30, 1972, and the research will be under the direction of Dr. Thomas Kennedy, Associate Professor of Civil Engineering.
9. Renewal Grant F041, by which The Robert A. Welch Foundation, Houston, Texas, provides \$15,000 for support of research entitled, "Magnetic Resonance of Metal Ion Solutions and Compounds." The grant is effective for the period May 1, 1972 through April 30, 1973, and the research continues under the direction of Dr. L. O. Morgan, Professor of Chemistry and Education.
10. Grant F-350, by which The Robert A. Welch Foundation, Houston, Texas, provides \$15,000 for support of research entitled, "Ether-containing Lipids and Their Influence on Biological Membrane Metabolism." The grant is effective for the period May 1, 1972 through April 30, 1973, and the research will be under the direction of Dr. Guy A. Thompson, Jr., Associate Professor of Botany.
11. Grant F-365, by which The Robert A. Welch Foundation, Houston, Texas, provides \$50,000 for support of research entitled, "Non-equilibrium Thermodynamics and Statistical Mechanics." The grant is effective for the period May 1, 1972, through April 30, 1974, and the research will be under the direction of Dr. Ilya Prigogine, Professor of Physics and of Chemical Engineering.
12. Grant F-489, by which The Robert A. Welch Foundation, Houston, Texas, provides \$40,000 for support of research entitled, "Measurement of Forbidden Transition Probabilities in Highly Ionized Species." The grant is effective for the period May 1, 1972 through April 30, 1974, and the research will be under the direction of Dr. Roger D. Bengtson, Assistant Professor of Physics, and Dr. William E. Drummond, Professor of Physics.
13. Grant F-493, by which The Robert A. Welch Foundation, Houston, Texas, provides \$24,000 for support of research entitled, "Mass Spectrometric Metastable Ions." The grant is effective for the period May 1, 1972 through April 30, 1974, and the research will be under the direction of Dr. C. Cone, Assistant Professor of Chemistry.
14. Grant F-496, by which The Robert A. Welch Foundation, Houston, Texas, provides \$30,000 for support of research entitled, "The Origin of the Chemical Elements." The grant is effective for the period May 1, 1972 through April 30, 1974, and the research will be under the direction of Dr. Cary N. Davids, Assistant Professor of Physics.

[Contracts, Grants and Agreements (Non-Governmental) - Cont'd]

15. Grant F-508, by which The Robert A. Welch Foundation, Houston, Texas, provides \$24,000 for support of research entitled, "Conformational Studies by Electron Diffraction." The grant is effective for the period May 1, 1972 through April 30, 1974, and the research will be under the direction of Dr. Denis Alan Kohl, Assistant Professor of Chemistry.

16. Supplemental Grant F-261-1-196 to Grant F-261, by which The Robert A. Welch Foundation, Houston, Texas, provides \$4,500 additional funds for the year May 1, 1971 through April 30, 1972. The research entitled, "Ion Electron Scattering," continues under the direction of Dr. C. Fred Moore, Professor of Physics.

17. Supplemental Grant F-424-1-195 to Grant F-424, by which The Robert A. Welch Foundation, Houston, Texas, provides \$4,500 additional funds for the year May 1, 1971 through April 30, 1972. The research entitled, "X-rays and Auger Electrons from Atom-Ion Collisions," continues under the direction of Dr. Patrick Richard, Associate Professor of Physics.

J K F

ACADEMIC AND BUSINESS CONTRACTS. The following contracts have been executed at The University of Texas at Austin by the official indicated. I recommend approval and ratification of signatures.

1. Amendment No. 1 to Interagency Cooperation Contract No. IAC(72-73)-207, between The University of Texas at Austin (Computation Center) and the Office of the Governor (Division of Planning Coordination), signed by Vice President James H. Colvin, whereby the termination date is extended from February 28, 1972 to May 31, 1972. All other terms remain the same.
2. Interagency Cooperation Contract No. IAC(72-73)-405, between The Texas State Department of Health and The University of Texas at Austin (The Division of Extension), signed by Vice President James H. Colvin, whereby the University agrees to provide training session for the purpose of insuring an adequate staff of professional and supervisory personnel skilled in the techniques of instruction and to improve the efficiency and relationship of supervisor and employees. The period covered is from February 7, 1972 to June 30, 1972. Total amount of the contract not to exceed \$305.
3. Interagency Cooperation Contract No. IAC(72-73)-413, between The University of Texas at Austin (Computation Center) and the Central Texas Council of Governments, signed by Vice President James H. Colvin, whereby the University agrees to furnish the services of its Computation Center and its equipment on available time basis. Period covered is from February 1, 1972 to August 31, 1972. Total amount of the contract not to exceed \$12,000.
4. Interagency Cooperation Contract No. IAC(72-73)-425, between The University of Texas at Austin (Center for Building Research - College of Engineering) and the Texas Department of Community Affairs, signed by Vice President James H. Colvin, whereby the University will appoint Mr. Clayford T. Grimm to serve as executive secretary to the Technical Testing and Evaluation Council of the State of Texas Building Materials and Systems Testing Laboratory. Period covered is from March 1, 1972 to September 1, 1972. Total amount of the contract not to exceed \$6,000.
5. Interagency Cooperation Contract No. IAC(72-73)-432, between The Houston-Galveston Area Council and The University of Texas at Austin (Computation Center), signed by Vice President James H. Colvin, whereby the University agrees to furnish the services of the Computation Center and its equipment on available time basis. Period covered is from March 1, 1972 to August 31, 1972. Total amount of the contract not to exceed \$5,000.
6. Permit for Archeological Investigation No. 24, between The University of Texas at Austin (Texas Archeological Research Laboratory) and the Antiquities Committee of the State of Texas, signed by Vice President James H. Colvin, which grants the University an exclusive permit for archeological investigation of an area on lands owned or controlled by Harris County, more particularly described as Sites 41HR80 and 41HR85 at Harris County Boys School on Mud Lake. Period covered is from January 10, 1972 to January 9, 1973.

TRAVEL FOR FACULTY AND STAFF. The following trips are reported in accordance with Section 12 of the Budget Rules and Procedures for 1971-72 when expenses are paid from funds not specifically designated for travel; and in accordance with Section 13.23 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. Stanley N. Werbow, Dean of the College of Humanities, March 16, 1972 to Dallas, Texas, to act as representative of The University of Texas at Austin at a meeting of the American Association for the Advancement of Slavic Studies. Expenses in the approximate amount of \$51 to be paid from Miscellaneous Administrative Expenses.
2. James A. Dengate, Assistant Professor of Classics, February 25, 1972 to February 26, 1972, to Houston, Texas, to deliver a talk to the Gulf Coast Classical Society; to discuss the Summer Master of Arts program with teachers and talk to high school students about the opportunities at UT Austin; to establish liaison with high schools in Eastern Texas. Expenses in the approximate amount of \$46 to be paid from Classics Academic Development Fund.
3. Gareth Morgan, Acting Chairman of the Department of Classics, February 25, 1972 to February 26, 1972, to Houston, Texas, to deliver a talk to the Gulf Coast Classical Society; to discuss Summer Master of Arts program with teachers and talk to high school students about the opportunities at UT Austin, to establish liaison with high schools in Eastern Texas. Expenses in the approximate amount of \$46 to be paid from Classics Academic Development Fund.
4. Joseph F. Doherty, Assistant Professor of English, April 5, 1972 to April 7, 1972, to Toledo, Ohio, to deliver an original research paper at the Popular Culture Association meeting. Expenses in the approximate amount of \$204 to be paid from American Studies Program.
5. Joseph E. Slate, Associate Professor of English, February 18, 1972 to February 19, 1972, to Galveston, Texas, to deliver a research paper at a meeting of Texas Association of Junior College Teachers. Expenses in the approximate amount of \$22.50 to be paid from Academic Development Fund, Dean's Office.
6. Joseph H. Matluck, Associate Professor of Spanish - Portuguese, February 18, 1972 to February 19, 1972, to Galveston, Texas, to present an original research paper at the Texas Junior College Teachers Association meeting. Expenses in the approximate amount of \$17.50 to be paid from Academic Development Funds, Dean's Office.
7. Sidney Monas, Chairman of the Department of Slavic Languages, March 15, 1972 to March 18, 1972, to Dallas, Texas, to attend the annual meeting of the International Research and Exchanges Board; and to participate in the Fifth National Convention of the American Association for the Advancement of Slavic Studies. Expenses in the approximate amount of \$103 to be paid from Miscellaneous Administrative expenses.

8. Carlos Sole, Associate Professor of Spanish-Portuguese, March 17, 1972 to March 19, 1972, to attend the Keller Method Workshop Conference. Expenses in the approximate amount of \$48 to be paid from Humanities Dean Academic Development Fund.
9. Ralph R. Robbins, Assistant Professor of Astronomy, June 1, 1972 to July 1, 1972, to Liege, Belgium, to attend the 18th Liege Symposium (Colloque International d'Astrophysique), to present an original paper. Expenses in the approximate amount of \$216 to be paid from Attendance at Professional Meetings.
10. William T. Eaton, Associate Professor of Mathematics, March 13, 1972, to March 14, 1972, to Longview, Texas, to give an address as part of UT Mathematics Department Speakers Panel at LaTourneau College. Expenses in the approximate amount of \$85 to be paid from Academic Development Fund.
11. Edward L. Powers, Professor of Zoology, December 23, 1971 to June 1, 1972, to Jerusalem to read a paper at The Conference on Molecular Mechanisms of Radiation Effects in Cells held at the Hebrew University in Jerusalem, Israel; to take residence in Manchester, England for research at the Christie Hospital on mechanisms of radiation damage. Expenses in the approximate amount of \$1,000 per diem to be paid over a continuous period from PHS GM 13557-06 Travel funds; Transportation to be paid from NDEA Title IV Program, O.E. #1 (Powers).
12. Hafez F. Farmayan, Associate Professor of History and Center for Middle Eastern Studies, March 9, 1972, to March 12, 1972, to Salt Lake City, Utah, to represent the University on an inter-university committee which will select fellowship students for the summer program in which the University participates. Expenses in the approximate amount of \$221.78 to be paid from Center for Middle Eastern Studies Program Development Funds.
13. Warner Barnes, Advisor, Education for Health Professions, Division of General and Comparative Studies, February 12, 1972, to Houston to participate in Project 75 Conference: a conference on minorities in the health professions. Expenses in the approximate amount of \$4 to be paid from Office of the Provost Academic Development Fund/Division of General and Comparative Studies.
14. Donald A. Larson, Director, Education for the Health Professions, Division of General and Comparative Studies, April 11, 1972 to April 13, 1972, to San Antonio, Texas, to participate by invitation of the national officers in the Association of American Medical Colleges group in student affairs meetings. Expenses in the approximate amount of \$49.80 to be paid from Office of the Provost Academic Development Fund/Division of General and Comparative Studies.
15. John Frederick Schunk, Assistant Professor of Speech, March 15, 1972 to March 18, 1972, to Ardmore, Oklahoma, to accompany UT debate team to National Debate Tournament District III Qualifying Tournament. Expenses in the approximate amount of \$110 to be paid from Texas Forensic Union Funds.

16. Norman M. Prentice, Professor of Educational Psychology, April 24, 1972 to May 2, 1972, to Portland, Oregon, to attend the annual meeting and present a paper to the Western Psychological Association; and to evaluate several west coast psychiatric centers used for internships of graduate student in The University of Texas Clinical Psychology Training Program. Expenses in the approximate amount of \$240 for transportation to be paid from Academic Development Funds; per diem expenses in the approximate amount of \$105 to be paid from Grant No. 5-TO-MHO8293-09, NIMH School Psychology Training Grant travel funds.

17. Betty Broadhurst, Visiting Lecturer in the School of Social Work, February 27, 1972, to February 29, 1972, to Denver, Colorado, to learn what is going on in other education programs in the region, specifically in relation to linking BA with MA programs, the needs of ethnic and minority groups, and rural practice. Expenses in the approximate amount of \$136 to be paid from Academic Excellent Expenses.

18. Buford E. Farris, Jr., Assistant Professor of Social Work, March 30, 1972 to April 1, 1972, to San Antonio, Texas, to participate in conference with Sociologists and Social Scientists around the issues of "Alternative Life Styles" especially in the middle class, and their implications for human services. Expenses in the approximate amount of \$70 to be paid from Academic Excellence Expenses.

19. Hortense Kilpatrick, Instructor of Social Work, March 23, 1972 to March 25, 1972, to Richmond, Virginia, to attend CSWE seminar on Issues in Teaching Social Work Practice Theory to bring back information for students to use in studies. Expenses in the approximate amount of \$255 to be paid from Academic Excellence Expenses.

20. Dale G. Bettis, Assistant Professor of Aerospace Engineering and Engineering Mechanics, December 16, 1971, to January 15, 1972, to visit the University of Cambridge, Cambridge, England; the European Space Operations Center of ESRO in Germany; and the Swiss Federal Institute of Technology in Zurich, Switzerland to confer with personnel of these institutions regarding present research, both personal and graduate students. Expenses in the approximate amount of \$825 to be paid from NAS8-27931 - Other Expenses.

F

USE OF TEXTBOOKS WRITTEN BY FACULTY. In accordance with Chapter III, Section 24 of Part One of the Regents' Rules and Regulations for the Government of The University of Texas, I recommend approval of the use of the following faculty authored books as textbooks for the 1971-72 fiscal year:

<u>Title</u>	<u>Author(s)</u>	<u>Cost to Student</u>	<u>Royalty Per volume Per author</u>
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COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Department of Government

<u>Title</u>	<u>Author(s)</u>	<u>Cost to student</u>	<u>Royalty per volume per author</u>
* The Politics of Iran: Groups, Classes and Modernization	J. A. Bill	\$ 3.95	\$.40
The Constitution of the Supreme Court	W. Mendelson	13.50	1.35
<u>Department of Sociology</u>			
* Class, Conflict, and Mobility	J. Lopreato & L. E. Hazelrigg	Not yet published	10% of net price

COLLEGE OF EDUCATIONDepartment of Curriculum and Instruction

* Supervising Clinical Experiences in the Classroom	W. A. Bennie	7.50	10%
* Diagnostic reading instruction in the elementary school	F. J. Guszak	5.95	10%

CHANGE IN 1972-73 PERSONNEL PAY PLAN. A change in the Building Services Supervisor (6215) salary range is recommended as a result of a change in the duties and responsibilities of the position effective September 1, 1972. One of the incumbents occupying this position in the Physical Plant area is going to be recommended for a promotion to a higher position effective September 1, 1972; the only other person using this title is in the Housing and Food area and does not perform duties or have responsibilities that would justify the approved 1972-73 pay range. Therefore it is recommended that the salary range be changed to reflect the proposed change in the duties and responsibilities involved.

FROM:

<u>Code</u>	<u>Title</u>	<u>Monthly Range</u>
6215	Building Services Supervisor	910-1150

TO:

6215	Building Services Supervisor	710-870
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JOHN LEWIS KEEL MEMORIAL SCHOLARSHIP FUND. Mrs. John Lewis Keel and Mrs. Helen K. Keel Gould have given the University of Texas at Austin \$1,250 to establish a scholarship fund in the memory of John Lewis Keel. Mr. Keel received his Bachelor of Science in Physical Education from the University in 1930; and his Master of Education

in 1938 from the University. He also served as Manager of the football and track teams at the University in 1929. The scholarship award is to be made biannually in the amount of \$100 provided the endowment shall yield that amount. At the time the endowment reaches a sufficient size the award may be made annually. The selection of candidates shall be made through the Director of Student Financial Aids.

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 studies committees, and the names submitted by Dean W. G. Whaley, Dean of the Graduate School.

COLLEGE OF NATURAL SCIENCES

Department of Physics

Professor Bryce S. DeWitt
Associate Professor Lawrence C. Shepley

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Department of History

Associate Professor Lewis Ludlow Gould
Associate Professor Richard Graham

COLLEGE OF FINE ARTS

Department of Music

Associate Professor Warren Edwin George
Professor Karl Korte
Associate Professor Leeman L. Perkins
Professor Leonard Posner

FACULTY LEGISLATION. The following legislation has been passed by the University Council and/or General Faculty. I recommend approval. Deferred -
See P. 8.

1. The University Council on February 21, 1972, adopted without a dissenting vote the proposed change concerning the Provisional Admission Program forwarded to them by President Stephen H. Spurr. The proposal is as follows.

Present wording of General Information Catalog for 1971-72, pp. 35-36.

Provisional Admission Program:--Any Texas resident who has never attended a college, who has graduated from an accredited high school with the required units and subjects prescribed, but whose total score on the College Entrance Examination Board Scholastic Aptitude Test does not meet the minimum requirement for admission, may enter the University provided that he is enrolled in courses selected from English, mathematics, natural science, or language in the spring semester or the two summer terms (the entire summer session) for which he is registered initially. The student who demonstrates ability to perform college-level work by passing each course and maintaining an over-

all C average during the entire summer session (both summer terms) or during the spring semester may be admitted as a regular University student in subsequent semesters.

Proposed Change

Provisional Admission Program.--Any Texas resident who has never attended a college, who has graduated from an accredited high school with the required units and subjects prescribed, but whose total score on the College Entrance Examination Board Scholastic Aptitude Test does not meet the minimum requirement for admission, may enter the University provided that he is enrolled in 12 hours, nine of which must be selected from English, mathematics, natural science, or language in the spring semester or the two summer terms (the entire summer session) for which he is registered initially. The student who demonstrates ability to perform college-level work by passing each course and maintaining an overall 1.5 grade point average during the entire summer session (both summer terms) or during the spring semester may be admitted as a regular University student in subsequent semesters.

2. The University Council in its meeting on February 21, 1972, adopted the proposed changes in the College of Engineering Catalogue (D&P 5015) with one exception. The changes as adopted are as follows.

RECOMMENDATIONS OF THE COLLEGE OF ENGINEERING

1970-1972 Catalogue (page 28)
Special Regulations in the
College of Engineering

2. Any student who receives a grade below a C in any required course that is a prerequisite to a later course must repeat that course until a grade of C or higher is made. This applies also to transferred courses.

1972-1974 Catalogue:
Special Regulations in the
College of Engineering

2. Omit

COURSES INCLUDED IN ALL
ENGINEERING DEGREE PLANS
(pages 33 and 34)

This section has been changed to conform with changes listed on the following pages.

Changes in PLAN 1 - (LEADING TO THE DEGREE OF BACHELOR OF
SCIENCE IN AEROSPACE ENGINEERING)

For the Courses in the
1970-1972 Catalogue:
(pages 34-37)

Substitute in the
1972-1974 Catalogue:

Aerospace Engineering
211 Aerospace Engineering
Computation
120K Applications of Fluid
Mechanics
461K Aerospace Vehicle Design
362K Compressible Fluid
Mechanics

Aerospace Engineering
305 Introduction to Aero-
space Engineering
311 Engineering Computation
363P Experimental Mechanics
370K Dynamics of Particles
and Rigid Bodies
370L Dynamics of Systems

162M Applied Compressible Fluid Mechanics	
264K Experimental Structural Analysis	
365 Structural Dynamics	
366K Orbital Mechanics	
367K Flight Mechanics	
376K Propulsion	
Chemistry	Approved Natural Science Elective
302 Principles of Chemistry	3 semester hours
Engineering Mechanics	Engineering Mechanics
305 Mechanics I	306 Statics
310 Mechanics II	311 Dynamics
362 Mechanical Behavior of Materials	
370 Intermediate Dynamics	
English	English
317 Technical Writing, <u>or</u>	301 English Composition
Spe.319 Business and Professional Speaking	
Physics	Physics
415 Heat, Wave-Motion, and Optics	403K Mechanics, Heat and Sound
416 Electricity and Magnetism	403L Electricity and Magne- tism, Light, Atomic and Nuclear Physics
Approved Humanistic and Social Science Electives	Approved Non-technical Electives
9 semester hours	9 semester hours
Block Courses	Block Courses
9 semester hours	21 semester hours
	Total number of hours changed from 130 to 126

Option Programs
AEROSPACE ENGINEERING

Block Courses I, General
Aerospace Engineering

Any nine semester hours of upper-division technical courses which include aerospace engineering courses from at least two different disciplines. A student selecting this block must have his program approved in advance by the department chairman.

Block I, Special Programs

Using this block option a student can develop a program of study not covered by the standard block options. Study plans covered here include interdisciplinary programs, such as biomedical engineering and environmental engineering, and preparatory programs for further professional training in medicine, dentistry, business, law, or

public affairs. (see Option Programs, p. ___) Students selecting this option must have their program approved in advance by the department chairman.

Block Courses II, Aerothermodynamics and Propulsion

- A.S.E. 362L, Advanced Compressible Fluid Mechanics.
 A.S.E. 379L, Studies in Aerospace Engineering
 Topic 1, Continuum mechanics.
 Topic 2, Advanced propulsion.
 Topic 3, Hydrodynamics.
 Topic 4, Airfoil and wing theory.
 Topic 5, Mechanics of viscous fluids.
 Topic 11, Selected topics in fluid mechanics.
 Topic 12, Introduction to physical gas dynamics
 *Approved technical elective (3 hours).

Block Courses III, Structural Mechanics

- A.S.E. 379L, Studies in Aerospace Engineering
 Topic 1, Continuum mechanics
 Topic 6, Aeroelasticity
 Topic 7, Selected topics in structural analysis.
 Topic 9, Structural analysis of submersible vehicles
 Topic 10, Advanced Structural analysis.
 *Approved technical elective (3hours).

Block Courses IV, Orbital Mechanics and Flight Mechanics

- A.S.E. 366L, Applied Orbital Mechanics
 A.S.E. 367L, Advanced Flight Mechanics
 A.S.E. 379L.8, Studies in Aerospace Engineering: Flight Test and Simulation.

Block II, Aerothermodynamics

- This option enables a student to study advanced fluid mechanics, gasdynamics, heat transfer, aerodynamics, propulsion and experimental fluid mechanics. Knowledge gained in this area can be applied to the design of environmental systems, vehicles subjected to aerodynamic or hydrodynamic loads, and propulsion systems. Courses pertinent to this discipline include
 A.S.E. 342, Airfoil and Wing Theory.
 A.S.E. 362K, Compressible Fluid Mechanics.
 A.S.E. 363R, Experimental Fluid Mechanics.
 A.S.E. 376K, Propulsion.

Block III, Structural Mechanics

- This option enables a student to study advanced structural analysis, structural dynamics, materials, aeroelasticity, experimental structural mechanics, and design and optimization. Knowledge gained in these subjects is applicable to the design of aerospace vehicles, high-speed ground transportation vehicles and marine vehicles. Recommended courses include
 A.S.E. 363Q, Experimental Structural Mechanics
 A.S.E. 365, Structural Dynamics
 A.S.E. 352, Advanced Structural Analysis.
 E.M. 362, Mechanical Behavior of Materials.

Block IV, Vehicle Dynamics

- This block enables a student to learn about the dynamics of such vehicles as aircraft, rockets, spacecraft, reentry vehicles, hovercraft, hydrofoil craft, deep submersible vehicles, and high-speed ground vehicles. Topics such as performance,

*Approved technical elective
(3 hours).

Block Courses V, Aerospace
Design

A.S.E. 361L, Advanced Aerospace
Vehicle Design
A.S.E. 369K, Aerospace Instru-
mentation.
A.S.E. 379L.13, Studies in Aero-
space Engineering: Aerospace
Systems Synthesis and Analysis.

*Approved technical elective
(3 hours).

*A technical elective may be any
upper-division course in science,
mathematics, or engineering ap-
proved by the student's adviser.

Block Courses VI - NONE

Block Courses VII - NONE

stability, aerodynamic and auto-
matic control, optimization and
the effects of flexible structures
are considered. Fundamental
courses are

A.S.E. 355, Aeroelasticity.
A.S.E. 367K, Vehicle Dynamics.
A.S.E. 367L, Selected Topics
in Vehicle Dynamics
A.S.E. 379L.15, Systems
Optimization

Block V, Orbital Mechanics

This block combines classical
and celestial mechanics with
aerospace vehicle technology
to improve the quality of life
through better communications,
natural resource sensing,
weather forecasting, ship and
aircraft navigation, etc. The
goal is to achieve a better
understanding of man and the
universe through the use of
satellites, orbiting laboratories
and space probes. Basic
courses include

A.S.E. 366K, Orbital
Mechanics
A.S.E. 366L, Applied Orbital
Mechanics.
A.S.E. 367K, Vehicle Dynamics.
A.S.E. 379L.15, Systems
Optimization

Block VI, Experimental Mechanics

This block option enables a
student to pursue technical in-
terests in the areas of experi-
mental fluid mechanics and
structural mechanics. Topics
covered include instrumentation,
design of experiments, testing
procedures and interpretation
and analysis of test data.
Pertinent courses for this block
option include

A.S.E. 361K, Vehicle Design.
A.S.E. 363Q, Experimental
Structural Mechanics.
A.S.E. 363R, Experimental
Fluid Mechanics.
E.M. 362, Mechanical
Behavior of Materials.

Block VII, Ocean Engineering

This option deals with engineer-

ing applications in a marine environment; such applications include the analysis and design of sea-going vehicles (surface ships, hovercraft, submersibles), the design of oceanic structures, mining operations, and underwater communications. Important topics include design, material behavior, hydrodynamics, vehicle dynamics, physical oceanography, and acoustics. Fundamental courses include

- A.S.E. 345, Hydrodynamics.
- A.S.E. 367K, Vehicle Dynamics.
- A.S.E. 379L.9, Ocean Engineering Structures.
- E.M. 362, Mechanical Behavior of Materials

Block Courses VIII - NONE

Block VIII - Transportation Systems

This block option emphasizes the study of vehicles and their interactions with other elements in an integrated transportation network. Various vehicle types are studied and simulated along with the associated traffic control systems, automatic control and stability augmentation systems, scheduling systems, etc. Special emphasis is placed on aircraft, airway planning, and air traffic control problems. Fundamental courses include

- A.S.E. 379L.17, Vehicle Dynamics.
- A.S.E. 379L.14, Introduction to Transportation Systems.
- A.S.E. 379L.15, Simulation of Transportation Systems.
- A.S.E. 379L.16, Systems Optimization.

Changes in P LAN 2 - (LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ARCHITECTURAL ENGINEERING)

For the Courses in the
1970-1972 Catalogue:
(pages 37-39)

Architectural Engineering

- 335L Materials and Methods of Building Construction II
- 245 Environmental Systems in Building

Substitute in the
1972-1974 Catalogue:

Architectural Engineering

- 221 Architectural Engineering Computations.
- 235L Materials and Methods of Building

	345 Environmental Systems in Building	
Chemistry		Approved Natural Science Elective
302 Principles of Chemistry		3 semester hours
Civil Engineering		Civil Engineering
216 Introduction to Surveying		Omit C. E. 216
Engineering Mechanics		Engineering Mechanics
305 Mechanics I		306 Statics
310 Mechanics II		311 Dynamics
Physics		Physics
415 Heat, Wave-Motion, and Optics		403K Mechanics, Heat and Sound
416 Electricity and Magnetism		403L Electricity and Magne- tism, Light, Atomic and Nuclear Physics
Approved Humanistic and Social Science Electives		Approved Non-technical Elective
6 semester hours		3 semester hours
		Total number of hours remains 129

Option Programs
ARCHITECTURAL ENGINEERING

Block Courses I, Building Structures and Engineering
Ar.E. 261, Integration of Building Components II.
Ar.E. 362, Design of Structural Systems in Steel and Concrete.
Ar.E. 262L, Design of Structural Systems in Timber.
C.E. 357, Elementary Soil Mechanics.
Approved technical electives (5hours).

Block I, Structural Engineering
The structural engineering option places emphasis upon design and analysis of building structures and foundations. The basic curriculum courses in design, materials, construction, and environmental systems serve as an excellent complement for the structural engineering option. Upon graduation, students find employment in consulting engineering or industrial firms as structural engineers.
Ar.E. 261, Integration of Building Components II.
Ar.E. 362, Design of Structural Systems in Steel and Concrete.
Ar.E. 362L, Design of Structural Systems in Timber.
C.E. 357, Elementary Soil Mechanics.
Approved block electives (4 hours).

Block Courses II, Industrial Building Design

Ar.E. 258, Building Contracts.
 Ar.E. 261, Integration of Building Components II.
 M.E. 311, Materials Engineering I.
 M.E. 373K, Basic Industrial Engineering
 Approved technical electives (5 hours).

Block Courses III, General Building Construction

Acc. 311, Fundamentals of Financial Accounting.
 Acc. 312, Fundamentals of Managerial Accounting.
 Ar.E. 258, Building Contracts.
 Ar.E. 261, Integration of Building Components II.
 Approved technical electives (5 hours).

Block Courses IV, Environmental Systems

Ar.E. 367, Illumination Engineering.
 Ar.E. 377K, Studies in Architectural Engineering.
 M.E. 367L, Air Conditioning.
 Approved technical electives (6 hours).

Block II, Construction Management

In the construction management courses, the student will learn modern techniques for the planning, control, and administration of building construction projects. The architectural engineering graduate from this program will be prepared for an engineering management career in the construction industry.

Acc. 311, Fundamentals of Financial Accounting
 Acc. 312, Fundamentals of Managerial Accounting
 Ar.E. 358, Building Contracts.
 Ar.E. 261, Integration of Building Components II.
 Approved block electives (4 hours).

Block III, Environmental Systems

Engineering the controlled environment is of growing importance to the building industry. The Architectural Engineering graduate is able to assume a position of responsibility in companies dealing with the selection and design of mechanical and electrical equipment and systems for building. This option also develops expertise in the solution of acoustical and illumination problems in building and industrial facilities.

Ar.E. 367, Illumination Engineering.
 M.E. 364K, Air Conditioning.
 Approved block electives (9 hours).

Omit.

Changes in PLAN 3 - (LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING)

For the courses in the 1970-1972 Catalogue:
 (pages 40-43)

Substitute in the 1972-1974 Catalogue:

Chemical Engineering	Chemical Engineering
353 Transport Phenomena	453 Transport Phenomena
153M Transport Phenomena Laboratory	253M Chemical Engineering Fundamentals Laboratory
354 Unit Operations I: Fluid Flow, Heat Transfer, and Mass Transfer	454 Unit Operations I: Fluid Flow, Heat Transfer, and Mass Transfer
364 Chemical Engineering Laboratory	264 Chemical Engineering Process and Projects Laboratory
	Elective - 3 semester hours
Chemistry	Chemistry
3-hour upper-division elective	Omit upper-division elective
English	Communication Skills
305 Rhetoric and Composition	9 semester hours with a minimum requirement of:
317 Technical Writing	
3-hour elective (literature)	English
	301 English Composition
	305 Rhetoric and Composition
	317 Technical Writing, <u>or</u>
	Spe.319 Business and Pro- fessional Speaking
Engineering Mechanics	Engineering Mechanics
305 Mechanics I	314 Mechanics
310 Mechanics II	
Physics	Physics
415 Heat, Wave-Motion, and Optics	403K Mechanics, Heat and Sound
416 Electricity and Magnetism	403L Electricity and Magne- tism, Light, Atomic and Nuclear Physics
Speech	Speech
319 Business and Professional Speaking	Omit Spe. 319
Approved Humanistic or Social Science Elective	Approved Non-technical elective
3 semester hours	3 semester hours
	Technical Electives
	6 semester hours
Block Courses	Block Courses
15 semester hours	9 semester hours
	Total number of hours changed from 130 to 129

Option Programs
CHEMICAL ENGINEERING

Block Courses I, Engineering
Analysis
Ch.E. 360, Automatic Process

Block I, Computer Applications,
Process Analysis and Control
The chemical process industry

Control
 Ch.E. 376, Process Analysis and Simulation.
 Ch.E. 376K, Process Evaluation.
 Ch.E. 379.24, Topics in Chemical Engineering: Computer Applications in Chemical Engineering.
 Upper-division mathematics or computer science courses. (No more than 6 hours of mathematics may be selected.)
 *Upper-division chemical engineering courses.

*Upper-division chemical engineering courses acceptable for the several blocks announced at the time of offering.

Block Courses II, Engineering Chemistry

Ch.E. 355, Introduction to Polymer Engineering.
 Ch.E. 362L, Advanced Thermodynamics.
 Ch.E. 365, Water Treatment Engineering: Corrosion.
 Ch.E. 369, Physical Properties of Solids.
 Ch.E. 379.25, Topics in Chemical Engineering: Technology, Pollution, and the Environment.
 Upper-division chemistry courses. (no more than 6 hours of chemistry may be selected.)
 *Upper-division chemical engineering courses.

is one of the most advanced in the applications of modern control techniques and computer technology. These rapidly developing techniques are of great utility to the practicing engineer.

*Ch.E. 360, Automatic Process Control.
 *Ch.E. 379.24, Computer Applications in Chemical Engineering.
 *Ch.E. 376, Process Analysis and Simulation.
 Ch.E. 376K, Process Evaluation.
 C.S. 348, Survey of Numerical Techniques.

NOTE: Each Chemical Engineering block contains one or more core courses which are denoted by an asterisk (*). At least one such course must be taken to satisfy the requirements of that block. The remaining courses may be selected from those listed or others approved by the Chairman. These specific courses do not constitute an exclusive list for block courses, but merely illustrate the type of courses which are generally suitable for a given block. Those listed require only prerequisites that most chemical engineering juniors or seniors would have.

Block II, Materials Engineering and Chemistry

Courses selected in this block provide a broader background in the chemistry and physical properties of materials essential to the chemical and related industries.
 *Ch.E. 355, Introduction to Polymer Engineering.
 Ch.E. 362L, Advanced Thermodynamics.
 Ch.E. 365, Water Treatment Engineering: Corrosion.
 M.E. 360K, Physical Metallurgy.
 M.E. 361M, Thermodynamics of Materials.
 M.E. 370K, Structure and Properties of Materials.

Block Courses III, Engineering Operations

- Ch.E. 355, Introduction to Polymer Engineering.
- Ch.E. 360, Automatic Process Control.
- Ch.E. 376, Process Analysis and Simulation.
- Ch.E. 376K, Process Evaluation.
- Ch.E. 379.24, Topics in Chemical Engineering: Computer Applications in Chemical Engineering.
- Ch.E. 379.26, Topics in Chemical Engineering: Optimization Theory and Practice.
- M.E. 353, Engineering Economic Analysis.
- M.E. 366L, Introduction to Operations Research.
- Upper-division courses closely related to this block given in any engineering department.
- *Upper-division chemical engineering courses.

Block Courses IV, Engineering Materials

- Ch.E. 350, Chemical Engineering Materials.
- Ch.E. 355, Introduction to Polymer Engineering.
- Ch.E. 369, Physical Properties of Solids.
- Ch.E. 370, Properties of Hydrous Silicates.
- Ch.E. 431, Inorganic Chemistry.
- Materials courses in electrical or mechanical engineering. (No more than 6 hours may be selected.)
- *Upper-division chemical engineering courses.

Block Courses V, Environmental Engineering

- M.E. 378K, Mechanical Metallurgy.
- Ch. 471, Inorganic Chemistry (Quantum Mechanics).
- Ch. 354, Physical Chemistry.

Block III, Management and Management Decision Making

- Many practicing engineers eventually assume positions involving some managerial responsibilities. The decision making process used by modern managers is sophisticated and worthy of study as are the important questions of finance and human relations.
- *Ch.E. 356, Optimization: Theory and Practice.
- Man. 335, Operations Management.
- Man. 367, Production.
- M.E. 353, Engineering Economic Analysis.
- M.E. 366L, Introduction to Operations Research.
- M.E. 375K, Production Engineering Management.
- Fin. 357, Business Finance.
- Fin. 374, Financial Planning and Policy.
- B.L. 323, Business Law.
- B.L. 324, Business Law.

Block IV, Environmental Improvement

- The problems of industrial waste management become more and more acute as the complexity of the process industry increases. To develop satisfactory solutions to these problems, it is necessary to understand their general nature as well as the details of potential gas, liquid, or solid waste treatment processes.
- *Ch.E. 356, Technology and Its Impact on the Environment.
- *Ch.E. 365, Water Treatment.
- C.E. 369L, Air Pollution and Industrial Hygiene.
- C.E. 369M, Industrial Waste Treatment.
- Mic. 316, Elementary Microbiology.

Block V, Chemical Processing
The chemical engineering

Ch.E. 365, Water Treatment Engineering: Corrosion.
 Ch.E. 379.24, Topics in Chemical Engineering: Computer Applications in Chemical Engineering.
 Ch.E. 379.25, Topics in Chemical Engineering: Technology, Pollution and the Environment.
 C.E. 342, Water supply and Waste-Water Disposal.
 C.E. 369L, Air Pollution and Industrial Hygiene.
 C.E. 369M, Industrial Waste Treatment.
 Mic. 316, Elementary Microbiology.
 *Upper-division chemical engineering courses.

Block Courses VI, Engineering Management

Ch.E. 379.26, Topics in Chemical Engineering: Optimization Theory and Practice.
 M.E. 353, Engineering Economic Analysis.
 M.E. 366L, Introduction to Operations Research.
 Upper-division courses in business administration or economics approved by the Block VI Committee of the Chemical Engineering Department.

Block VII - NONE

graduate most often enters some phase of chemical processing as his first assignment. By an appropriate selection of courses from this block, the student has the opportunity to study a particular area in considerable detail.

Ch.E. 355, Introduction to Polymer Engineering.
 Ch.E. 360, Automatic Process Control.
 Ch.E. 362L, Advanced Thermodynamics.
 Ch.E. 365, Water Treatment Engineering: Corrosion.
 *Ch.E. 376, Process Analysis and Simulation.
 *Ch.E. 376K, Process Evaluation.
 Ch.E. 379.24, Computer Applications in Chemical Engineering.
 Ch.E. 357, Technology and Its Impact on the Environment.
 Ch.E. 356, Optimization: Theory and Practice.

Block VI, Biomedical Engineering

*Ch.E. 379.29, Transport Phenomena in Bioengineering.
 Ch.E. 355, Introduction to Polymer Engineering.
 Ch.E. 376, Process Analysis and Simulation.
 Ch.E. 316K, Introduction to Biochemistry.
 E.E. 374K, Biomedical Electronics.
 Zoo. 365L, Vertebrate Physiology I.
 Zoo. 365N, Vertebrate Physiology II.

Upper-division courses closely related to this block may be substituted with approval.

Block VII, Engineering Specialties and Preparation for Non-Engineering Professional School

Special block programs may be arranged to emphasize interdisciplinary areas such as biomedical engineering, ocean engineering, and nuclear engineering. This option program can also be utilized as preparation for further professional training in medicine,

dentistry, business or law. For further details on non-engineering professional programs, see page _____. To arrange a special program, the student should consult his adviser. All programs must be approved by the department chairman.

Changes in PLAN 4 - (LEADING TO THE DEGREE OF BACHELOR OF SCIENCE
IN CIVIL ENGINEERING)

For the Courses in the
1970-1972 Catalogue:
(pages 43-46)

Substitute in the
1972-1974 Catalogue:

Civil Engineering

- 210L Route Layout and Photo-
grammetry
- 241 Environmental Health
Engineering
- 256 Open Channel Hydraulics
- 329K Elementary Design in
Metals
- 331 Reinforced Concrete Theory
- 342 Water Supply and Waste-
Water Disposal

Civil Engineering

- 341 Environmental Health
Engineering
- 329K Elementary Design in
Metals, or
- 331 Reinforced Concrete
Theory
- 356 Open Channel Hydraulics

Chemistry

- 204 Introduction to Chemical
Practice
- 302 Principles of Chemistry

Approved Natural Science Elective
3 semester hours

Engineering Mechanics

- 305 Mechanics I
- 310 Mechanics II

Engineering Mechanics

- 306 Statics
- 311 Dynamics

English

- 3-hour elective (literature)

English

- 301 English Composition

Approved Elective in Literature
or Arts - 3 semester hours

Mathematics

- 427K Advanced Calculus for
Application I

Mathematics

Approved 3-hour Elective

Electrical Engineering

- E. E. 331 Electronic Circuits
- Met. 327 Engineering Meteor-
ology

M. E. 320 Applied Thermodynamics
(select 2 of above 3 courses)

Approved Engineering Science
Electives - 6 semester hours
(one course must be Thermo-
dynamics or Electrical
circuits)

Physics

- 415 Heat, Wave-Motion, and
Optics

Physics

- 403K Mechanics, Heat and
Sound

416 Electricity and Magnetism	403L Electricity and Magnetism, Light, Atomic and Nuclear Physics
Approved Humanistic and Social Science Electives 6 semester hours	Approved Humanistic or Social Science Electives 3 semester hours
Block Courses 12 semester hours	Approved Block Electives 18 semester hours
	Total number of hours changed from 130 to 127

Option Programs CIVIL ENGINEERING

The following blocks of courses are listed for the guidance of civil engineering students with Blocks II through VIII indicating courses closely related to specific areas. Blocks other than those shown may be arranged with the approval of the departmental chairman. At least six hours of technical electives must be taken from civil engineering.

The following blocks of courses are listed for the guidance of civil engineering students with Blocks II through X indicating courses closely related to specific areas. Blocks other than those shown may be arranged with the approval of the departmental chairman. In order to maintain a versatile general background for Civil Engineering students, one course must be selected from each of three different areas of Civil Engineering. Typical supporting electives are not to be considered a part of the area with which they are listed. At least four elective courses must be Civil Engineering courses.

Block Courses I, General Civil Engineering

Any twelve hours of approved technical electives that include civil engineering courses from three different areas.

Block I, General Civil Engineering

Any eighteen hours of approved technical electives that include civil engineering courses from three different areas. This option program also can be utilized as preparation for further professional training in medicine, dentistry, business, or law. The student should consult the departmental undergraduate advisor for details and program approval. Further details are given on page ___ of this catalogue.

Block Courses II, Environmental Health Engineering

C.E. 364, Design of Water and Waste-Water Systems.

Block II, Environmental Health Engineering

The Environmental Health Engineering Block provides a balanced

C.E. 365K, Hydraulic Engineering.
 C.E. 369L, Air Pollution and Industrial Hygiene.
 C.E. 369M, Industrial Waste Treatment.
 C.E. 274K, 374K, Hydrology.
Typical Supporting Electives:
 Ch. 310, Elementary Organic Chemistry
 M. 372, Fourier Series and Boundary Value Problems.
 Met. 374, Microclimatology.
 Mic. 316, Elementary Microbiology.

Block Courses III, Transportation Engineering

C.E. 366K, Design of Bituminous Mixtures.
 C.E. 367, Highway Engineering.
 C.E. 375, Earth Structures and Soil Stabilization.
 C.E. 376, Airport Design.
 C.E. 377K.1, Studies in Civil Engineering: Introduction to Systems Engineering.
Typical Supporting Electives:
 Arc. 369K, Planning I.
 C.E. 368, Analytical Photogrammetry.
 C.E. 374K, Hydrology.
 M. 427L, Advanced Calculus for Applications II (or M. 418E).

engineering program for students interested in evaluating environmental quality and instituting engineering pollution controls.

Area Courses:

C.E. 342, Water Pollution Control.
 C.E. 364, Design of Pollution Control Systems.
 C.E. 369L, Air Pollution and Industrial Hygiene.
 C.E. 369M, Solid and Industrial Waste Engineering.
 C.E. 377K, Environmental Sampling and Analyses.

Typical Supporting Electives:

Hydraulics and Hydrology (3 hours).
 Ocean Engineering (3 hours).
 Meteorology (3 hours).
 Chemistry or Microbiology (3 hours).

Block III, Transportation Engineering

Transporting people and goods safely, efficiently, and economically requires the optimum use of innovative technology in planning, designing, constructing, operating, and maintaining an integrated transportation system. This option introduces students to the engineering aspects of providing practical ground and air transport for individuals, groups, or materials and provides a basis for interrelating the technical, economic, social, and environmental factors involved.

Area Courses:

C.E. 323, Site Layout and Photogrammetry.
 C.E. 366K, Design of Bituminous Mixtures.
 C.E. 367, Highway Engineering.
 C.E. 367T, Traffic Engineering.
 C.E. 376, Airport Design.
 C.E. 377K.12, Introduction to Systems Engineering.

Typical Supporting Electives:

C.E. 331, Reinforced Concrete Theory.
 C.E. 334, Engineering Materials.
 C.E. 368, Analytical Photogrammetry.
 C.E. 374K, Hydrology.

Block Courses IV, Hydraulic Engineering

- C.E. 364, Design of Water and Waste-Water Systems.
 C.E. 365K, Hydraulic Engineering.
 C.E. 368K, Photogrammetry and Mapping.
 C.E. 374K, Hydrology.
 C.E. 375, Earth Structures and Soil Stabilization.
 C.E. 377K.21, Studies in Civil Engineering: Introductory Ocean Engineering.

Typical Supporting Electives:

- M. 427L, Advanced Calculus for Applications II (or M. 418F).
 M.E. 366L, Introduction to Operations Research.
 Met. 327, Engineering Meteorology.
 Met. 376, Physical Oceanography.
 P.En. 323, Fluid Flow in Porous Media.

Block Courses V, Materials

- C.E. 334, Engineering Materials;
 or
 M.E. 311, Materials Engineering I.
 C.E. 362M, Reinforced Concrete Design
 C.E. 366K, Design of Bituminous Mixtures.
 C.E. 275, 375, Earth Structures and Soil Stabilization.
 C.E. 377K, Studies in Civil Engineering (Advanced Materials of Construction).

C.E. 375, Earth Structures and Soil Stabilization.

C.E. 377K.91, Advanced Computational Methods for Civil Engineering.

Block IV, Hydraulic Engineering

Hydraulic engineering is concerned with the physical aspects of water resources development and control for purposes such as municipal and industrial use, irrigation, navigation, flood control, and water power.

Employment opportunities are in numerous agencies at all governmental levels and with consulting engineering and construction firms.

Area Courses:

- C.E. 342, Water Pollution Control.
 C.E. 365K, Hydraulic Structures and Machinery.
 C.E. 374K, Hydrology.

Typical Supporting Electives:

- C.E. 368, Analytical Photogrammetry.
 C.E. 375, Earth Structures and Soil Stabilization.
 C.E. 377K.21, Studies in Civil Engineering: Introductory Ocean Engineering.
 Met. 376, Physical Oceanography.
 Met. 327, Engineering Meteorology.
 M. 427L, Advanced Calculus for Applications II (or M. 418E).
 M.E. 366L, Introduction to Operations Research.
 P.En. 323, Fluid Flow in Porous Media.

Block V, Materials

The basic purpose of the block program for materials is to expand the student's understanding of the mechanical and durability properties of a broad range of construction materials including silicate, organic, and metallic materials. Students completing the program may choose from a range of opportunities including applied materials engineering, research and development of new construc-

Typical Supporting Electives:

Ar.E. 335K, Materials and Methods of Building Construction I.
 Ar.E. 335L, Materials and Methods of Building Construction II.
 Ar.E. 262L, Design of Structural Systems in Timber.
 E.M. 370, Intermediate Dynamics.
 M.E. 360K, Physical Metallurgy.

Block Courses VI, Soil Mechanics and Foundation Engineering

C.E. 360K, Foundation Engineering.
 C.E. 362M, Reinforced Concrete Design.
 C.E. 366K, Design of Bituminous Mixtures.
 C.E. 374K, Hydrology.
 C.E. 375, Earth Structures and Soil Stabilization.

Typical Supporting Electives:

C.E. 334, Engineering Materials.
 M. 427L, Advanced Calculus for Applications II (Or M. 418E).
 P.En. 323, Fluid Flow in Porous Media.

tion materials, and continued studies in the graduate school.

Area Courses:

C.E. 334, Engineering Materials, or
 M.E. 311, Materials Engineering I.
 C.E. 366K, Design of Bituminous Mixtures.
 C.E. 375, Earth Structures and Soil Stabilization.
 C.E. 377K, Studies in Civil Engineering (Advanced Materials of Construction).

Typical Supporting Electives:

Ar.E. 362L, Design of Structural Systems in Timber.
 Ch.E. 355, Introduction to Polymer Engineering.
 M.E. 311Q, Manufacturing Materials and Processes.
 M.E. 378K, Mechanical Metallurgy.
 M.E. 360K, Physical Metallurgy.
 C.E. 329K, Elementary Design in Metals.
 C.E. 331, Reinforced Concrete.

Block VI, Soil Mechanics and Foundation Engineering

The courses in this option are designed to enlarge the student's understanding of soil as a material of construction and to further develop his ability to solve design problems in soil mechanics and foundation engineering.

Area Courses:

C.E. 360K, Foundation Engineering.
 C.E. 375, Earth Structures and Soil Stabilization.

Typical Supporting Electives:

C.E. 329K, Elementary Design in Metals.
 C.E. 331, Reinforced Concrete Theory.
 C.E. 362M, Reinforced Concrete Theory.
 C.E. 362N, Steel Design.
 C.E. 366K, Design of Bituminous Materials.
 C.E. 377K.91, Computer Methods for Civil Engineering.
 Geo. 316M, Depositional Processes.

Block Courses VII, Structural Engineering

C.E. 360K, Foundation Engineering.

C.E. 362M, Reinforced Concrete Design.

C.E. 362N, Steel Design.

C.E. 363, Indeterminate Structures.

Typical Supporting Electives:

Ar.E. 262L, Design of Structural Systems in Timber.

E.M. 370, Intermediate Dynamics.

M. 427L, Advanced Calculus for Applications II (or M.418E).

Block Courses VIII, Surveying and Photogrammetry

C.E. 322, Principles of Engineering Mapping.

C.E. 340, Engineering Geodesy.

C.E. 268, 368, Analytical Photogrammetry.

C.E. 274K, 374K, Hydrology.

C.E. 377K, Studies in Civil Engineering (Boundary Surveying).

Block VII, Structural Engineering

The Structural Engineering option provides advanced programs in the analysis, design, and construction of structural systems for buildings, bridges, and other public and industrial facilities. It emphasizes current design procedures in reinforced concrete, metals, and timber.

Area Courses:

C.E. 329K, Elementary Design in Metals, or

C.E. 331, Reinforced Concrete Theory.

(Only one of these courses is to be considered an elective. The other is required for all degree candidates.)

C.E. 362M, Reinforced Concrete Design.

C.E. 362N, Steel Design.

C.E. 363, Indeterminate Structures.

C.E. 377K.91, Studies in Civil Engineering: Computer Methods for Civil Engineering.

Ar.E. 362L, Design of Structural Systems in Timber.

Typical Supporting Electives:

Ar.E. 358, Building Contracts.

C.E. 360K, Foundation Engineering.

E.M. 360.3, Studies in Engineering Mechanics: Advanced Strength of Materials.

M. 427K, Advanced Calculus for Applications I, or

M. 427L, Advanced Calculus for Applications II.

Block VIII, Surveying and Photogrammetry

This block is satisfactory preparation for performance in surveying and mapping agencies, both government and private, and is acceptable in lieu of four years of experience required for eligibility to take the examination to become a Registered Public Surveyor in Texas.

Typical Supporting Electives:

Arc. 369K, Planning I.
 B.L. 323, Business Law, First Course.
 M. 427L., Advanced Calculus for Applications II (or M. 418E).
 M.E. 366S, Engineering Statistics.

Area Courses:

C. E. 323, Site Layout and Photogrammetry.
 C.E. 340, Engineering Geodesy.
 C.E. 361K, Boundary Surveying.
 C.E. 367T, Traffic Engineering.
 C.E. 368, Analytical Photogrammetry.

Typical Supporting Electives:

C.E. 367, Highway Engineering.
 C. E. 375, Earth Structures and Soil Stabilization.
 Arc. 369K, Planning I.
 B.L. 323, Business Law, First Course.
 C.E. 377K.12, Introduction to Systems Engineering.
 C.E. 377K.91, Advanced Computational Methods for Civil Engineering.

Block Courses IX, Ocean Engineering

C.E. 334, Engineering Materials.
 C.E. 260K, Foundation Engineering.
 C.E. 369M, Industrial Waste Treatment.
 C.E. 377K.21, Studies in Civil Engineering: Introductory Ocean Engineering.
 Ch.E. 350, Chemical Engineering Materials.
 E.E. 379K.14, Topics in Electrical Engineering: Introduction to Engineering Acoustics.
 Met. 376, Physical Oceanography.

Block IX, Ocean Engineering

Ocean engineering combines knowledge of the ocean and engineering to enhance man's utilization of the ocean's resources and boundaries and to minimize his impact. Areas of interest in ocean engineering include: waves and tides, coastal and estuarine processes, waste disposal, water quality, and structures in harbor, coastal and offshore environments.

Area Courses:

C.E. 377K.21, Studies in Civil Engineering: Introductory Ocean Engineering.
 Met. 376, Physical Oceanography.

Typical Supporting Electives:

C.E. 334, Engineering Materials.
 C.E. 360K, Foundation Engineering.
 C.E. 342, Water Pollution Control.
 M.E. 379M, Problems in Ocean Engineering.
 Ch.E. 350, Chemical Engineering Materials.
 E.E. 379K.14, Introduction to Acoustics.

Block Courses X - NONEBlock X, Structural Mechanics

Structural Mechanics is a discipline in which the student studies the stresses and deformations in engineering structures. These studies include experimental investigations to mechanically characterize materials and to verify analytical predictions of structural response. In addition to the analysis of stress and deformation through advanced strength of material solutions, the student will study modern computer techniques for obtaining numerical results.

Area Courses:

C.E. 377K.9, Experimental Projects in Structural Mechanics.

C.E. 377K.91, Computer Methods for Civil Engineering.

E.M. 360.3, Advanced Strength of Materials.

Typical Supporting Electives:

C.E. 360K, Foundation Engineering.

C.E. 362M or N, Reinforced Concrete or Steel Design.

C.E. 363, Indeterminate Structures.

A.S.E. 321, Structural Analysis.

E.M. 363, Theoretical and Applied Measurements.

E.M. 370, Intermediate Dynamics.

C.S. 348, A Survey of Numerical Analysis.

Changes in PLAN 5 - (LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING)

For the Courses in the
1970-1972 Catalogue:
(pages 46-49)

Substitute in the
1972-1974 Catalogue:

Electrical Engineering
212 Electrical Engineering
Computation
221K Electrical Engineering
Laboratory II

Electrical Engineering
312 Electrical Engineering
Computation
321K Electrical Engineering
Laboratory II

364	Electrical Engineering Laboratory III	264	Electrical Engineering Laboratory III
325	Electromagnetic Theory I	338K	Electronic Circuits II
334	Electrical Engineering Materials		
*Electrical Engineering			
323K	Network Theory III		
325K	Electromagnetic Theory II		
338K	Electronics II		
339	Electron Device Theory		
341	Electromechanical Systems I		
362K	Introduction to Automatic Control		
371K	Stochastic Processes: Fundamentals		
*Five out of seven of these courses are required.		Approved Technical Electives: 9 semester hours	
Chemistry		Chemistry	
301	Introductory Chemistry	3 semester hours of Natural Science may be substituted for 3 hours of chemistry.	
302	Principles of Chemistry		
Engineering Mechanics		Engineering Mechanics	
305	Mechanics I	314	Mechanics
310	Mechanics II		
English		English	
3-hour Elective (literature)		301	English Composition
		*3-hour Elective (literature)	
		*Three hours of aesthetics, architecture, art, drama, or music may be substituted for the literature requirement.	
Mathematics		Mathematics	
427L	Advanced Calculus for Applications II	Block Option I students may substitute M. 311, Linear Algebra and Matrix Calcula- tions.	
Mechanical Engineering		Mechanical Engineering	
333	Statistical Thermodynamics	Omit M.E. 333	
Physics		Physics	
415	Heat, Wave-Motion, and Optics	403K	Mechanics, Heat and Sound
416	Electricity and Magnetism	403L	Electricity and Magne- tism, Light, Atomic and Nuclear Physics
Block Electives 18 semester hours		Block Option Courses 24 semester hours	

Approved Humanistic and Social
Science Electives
6 semester hours

*Approved Electives
9 semester hours

*Three hours of approved
electives must be chosen in
conformance with the General
Education Requirement.

Total number of hours changed
from 130 to 128.

Option Programs
ELECTRICAL ENGINEERING

1970-1972 Catalogue
Block Courses I - NONE

1972-1974 Catalogue
Block I, Computer Engineering

Computer Engineering is concerned with organization, design, and utilization of digital processing systems as general purpose computers or as components of larger systems. Both hardware and programming of digital computers are studied. Students completing this option will be prepared technically and conceptually to solve problems relating to design and application of modern computing systems.

C.S. 310, Computer Organization and Programming.

C.S. 340, Information Structures.

*C.S. 345, Programming Languages.

C.S. 372, Computer and Programming Systems.

E.E. 360M, Digital Systems Engineering II.

E.E. 360N, Computer Organization.

E.E. 362K, Introduction to Automatic Control.

E.E. 351K, Probability Theory and Applications.

*An approved Computer Science course may be substituted for C.S. 345.

Block Courses II, Biomedical Electronics

*E.E. 323K, Network Theory III.

*E.E. 325K, Electromagnetic Theory II.

*E.E. 338K, Electronics II.

*E.E. 339, Electron Device Theory.

Block II, Bio-medical Engineering#

This block of electives provides a means for a student to obtain an introduction to this rapidly expanding area of engineering. An interdisciplinary group of courses can be taken to prepare a student

- *E.E. 362K, Introduction to Automatic Control.
- **E.E. 464, Electrical Engineering Laboratory III (1 additional hour).
- **E.E. 374K, Biomedical Electronics.
- **Ch. 810, Organic Chemistry.
- **Ch. 369, Biochemistry: Intermediary Metabolism.
- **Zoo. 311, Cellular and Developmental Biology.

*These courses are required of students in this block to complement the eighteen hours of block electives.

**These courses must be taken as block electives.

Block Courses III, Modern Wave Phenomena#

- *E.E. 323K, Network Theory III.
 - *E.E. 325K, Electromagnetic Theory II.
 - *E.E. 338K, Electronics II.
 - *E.E. 339, Electron Device Theory.
 - *E.E. 371K, Stochastic Processes: Fundamentals.
 - E.E. 363K, Electromagnetic Theory III.
 - E.E. 363L, Traveling-Wave Engineering.
 - E.E. 363M, Introduction to Micro-waves.
 - E.E. 379K, Topics in Electrical Engineering.
 - Section 6, Quantum electronics.
 - Section 14, Introduction to engineering acoustics.
 - Section 17, Classical and modern optics.
 - M. 361, Theory of Functions of a Complex Variable.
 - Phys. 373, Modern Physics I: Introductory Quantum Mechanics.
- Approved mathematics electives.
Approved electrical engineering elective.

for graduate work in Bio-Medical Engineering. The judicious use of the block electives and other electives provides a means for the student to meet requirements to enter dental school or medical school.

- E.E. 325, Electromagnetic Theory I.
- E.E. 362K, Introduction to Automatic Control.
- E.E. 351K, Probability Theory and Applications.
- E.E. 374K, Biomedical Electronics.
- Zoo. 311, Cellular and Development Biology.
- Zoo. 325, Genetics.
- Ch. 204, Introduction to Chemical Practice.
- Ch. 810a, Organic Chemistry.

#Pre-Medical students should see the Pre-Med Advisor regarding recommended electives. For additional information regarding Pre-Medical programs, refer to page xx of this catalog.

Block III, Electromagnetic Systems

Modern electromagnetic systems utilize frequencies extending beyond microwave through infrared to optical bands. This block emphasizes basic electromagnetic and other physical phenomena relating to generation, transmission, propagation and reception of signals throughout this extended spectrum. The basic principles of information theory relevant to applications to practical communications systems are included.

- E.E. 314, Electrical Engineering Materials.
- E.E. 325, Electromagnetic Theory I.
- E.E. 325K, Electromagnetic Theory II.
- E.E. 339, Electron Device Theory.
- E.E. 363M, Introduction to Micro-waves.
- E.E. 351K, Probability Theory and Applications.
- E.E. 371M, Transmission of Information.

E.E. 348, Quantum Electronics.

*These courses are required of students in this block to complement the eighteen hours of block electives.

#Eight of the electrical engineering courses listed in this block must be taken.

Block Courses IV, Computer, Information and Control Engineering#

- *E.E. 323K, Network Theory III.
- *E.E. 338K, Electronics II.
- *E.E. 362K, Introduction to Automatic Control.
- *E.E. 371K, Stochastic Processes: Fundamentals.
- E.E. 360K, Pulse and Digital Techniques.
- E.E. 360M, Digital Systems Engineering II.
- E.E. 370, Automatic Control II.
- E.E. 371L, Information Theory.
- E.E. 375P, Network Analysis and Synthesis.
- E.E. 375R, Introduction to Non-linear Analysis.
- E.E. 375S, Solid-State Circuit Design.
- E.E. 379K, Topics in Electrical Engineering.
- Section 13, Transmission of information.
- Section 17, Computer organization.
- C.S. 310, Computer Organization and Programming.
- C.S. 340, Information Structures.
- C.S. 345, Programming Languages.

*These courses are required of students in this block to complement the eighteen hours of block electives.

#Six of the electrical engineering courses listed in this block must be taken.

Block Courses IV, Computer, Information and Control Engineering
(continued)

- C.S. 368K, Introduction to Numerical Analysis.
- C.S. 372, Computer and Programming Systems.

Block IV, Communication and Control Engineering

Communications and automation are expanding fields today. This block of courses stresses analysis and design techniques of both a single system and large scale systems whose primary mission may include information transmission, control, and signal processing. Engineering applications include industrial process control, radar, communication systems, navigation and guidance, and information coding. Key requirements arise in both private industry and government.

- E.E. 325, Electromagnetic Theory I.
- E.E. 362K, Introduction to Automatic Control.
- E.E. 370, Automatic Control II.
- E.E. 351K, Probability Theory and Applications.
- E.E. 351L, Signals and Systems.
- E.E. 371M, Transmission of Information.
- *C.S. 348, Survey of Numerical Techniques.
- *M. 311, Linear Algebra and Matrix Calculations.

*Approved Computer Science or Mathematics courses may be substituted for C.S. 348 or Math 311.

C.S. 375, Algorithmic Languages and Compilers.
 **M. 311, Linear Algebra and Matrix Calculations.
 M. 343K, Introduction to Algebraic Structures.
 M. 361, Theory of Functions of a Complex Variable.
 M. 665, Intermediate Analysis.
 M. 370K, Differential Equations I.
 M. 370L, Differential Equations II.
 M. 373K, Algebraic Structures I.
 M. 373L, Algebraic Structures II.
 M.E. 366L, Introduction to Operations Research.
 Approved upper-division elective.

**M.311 may be substituted for M.E. 333 in the electrical engineering core.

Block Courses V, Management and Production

*E.E. 366, Engineering Economy.
 E.E. 379K, Topics in Electrical Engineering.
 (When topic is appropriate for this block.)
 **M.E. 353, Engineering Economic Analysis.
 Acc. 365, Fundamentals of Management Information Systems.
 B.L. 323, Business Law, First Course.
 B.L. 324, Business Law, Second Course.
 Fin. 354, Money, Banking and Economic Conditions.
 Man. 335, Operations Management.
 Man. 336, Organizational Behavior and Administration.
 Man. 372, Interpersonal Dynamics and Administrative Practices.
 Mkt. 337, Principles of Marketing.
 Sta. 332, Elementary Business Statistics.

*These courses must be taken as block electives.

**Must be taken as block elective if Eco. 303 not included as approved humanistic and social science elective.

Block Courses VI, Electronic Systems

*E.E. 323K, Network Theory III.

Block V, Physical Electronics

This block provides students with an introduction to electronic devices and systems and the physical principles underlying their operation. The student selecting this option should emerge with an understanding of how practical electronic devices work, and be able to use this understanding in their design and imaginative use in systems.

E.E. 314, Electrical Engineering Materials.
 E.E. 325, Electromagnetic Theory I.
 E.E. 334K, Theory of Engineering Materials.
 E.E. 339, Electron Device Theory.
 E.E. 360K, Pulse and Digital Techniques.
 E.E. 351K, Probability Theory and Applications.
 E.E. 348, Quantum Electronics.
 M.E. 333, Statistical Thermodynamics.

Block VI, Power Systems and Energy Conversion

Engineering involved with control and conversion of

- *E.E. 325K, Electromagnetic Theory II.
- *E.E. 338K, Electronics II.
- *E.E. 339, Electron Device Theory.
- *E.E. 341, Electromechanical Systems I.
- *E.E. 362K, Introduction to Automatic Control; and/or E.E. 371K, Stochastic Processes: Fundamentals.

*These courses are required of students in this block to complement the fifteen hours of block electives.

Block Courses VI, Electronic Systems (continued)

- **E.E. 360K, Pulse and Digital Techniques.
- E.E. 360M, Digital Systems Engineering II.
- E.E. 363K, Electromagnetic Theory III.
- E.E. 363L, Traveling-Wave Engineering.
- E.E. 363M, Introduction to Microwaves.
- E.E. 366, Engineering Economy.
- E.E. 371L, Information Theory.
- **E.E. 375S, Solid-State Circuit Design.
- **E.E. 378K, Electron Device Design.
- E.E. 379K, Topics in Electrical Engineering.
- Ch.E. 369, Physical Properties of Solids.
- M.E. 360K, Physical Metallurgy.
- Phy. 362K, Modern Physics II: Atomic Physics.
- Phy. 373, Modern Physics I: Introductory Quantum Mechanics.
- Phy. 375S, Introductory Solid State Physics.

**These courses must be taken as block electives.

Block Course VII, Power Systems and Energy Conversion#

- *E.E. 323K, Network Theory III.
- *E.E. 325K, Electromagnetic Theory II.
- *E.E. 341, Electromechanical Systems I.
- *and 6 hours from E.E. 338K, Electronics II, E.E. 339, Electron

energy is required in a wide range of industrial applications. Studies in materials, fields, thermodynamics, mechanics, and circuits are integrated in analysis and design of systems in which economic and reliable operation is the objective.

Block VI, Power Systems and Energy Conversion (continued)

- E.E. 314, Electrical Engineering Materials.
- E.E. 325, Electromagnetic Theory I.
- E.E. 341, Electromechanical Systems I.
- E.E. 362K, Introduction to Automatic Control.
- E.E. 368, Electrical Power Transmission and Distribution.
- E.E. 369, Power Systems Engineering.
- M.E. 333, Statistical Thermodynamics or
- M.E. 320, Applied Thermodynamics.
- M.E. 337, Nuclear Engineering: Introduction to Nuclear Power Systems.

Block VII, Management and Production

This block option provides the student an opportunity to broaden his program by including topics from other branches of engineering and business. Students with an aim towards manufacturing activities, project management,

Device Theory, E.E. 362K, Introduction to Automatic Control.
 E.E. 362, Electromechanical Energy Conversion II.
 E.E. 366, Engineering Economy.
 E.E. 368, Electrical Power Transmission and Distribution.
 E.E. 379K, Topics in Electrical Engineering (Power System and Energy Conversion Topics).
 C.S. 368K, Introduction to Numerical Analysis.
 E.M. 319, Mechanics of Solids
 **M.E. 320, Applied Thermodynamics.
 M.E. 328, Thermodynamics II.
 M.E. 339, Heat Transfer and Rate Processes.
 M.E. 345, Fluid Mechanics.
 M.E., Nuclear engineering electives.

other non-technical aspects of a technically-based vocation or a graduate program in Business Administration will find this a suitable block selection.
 E.E. 314, Electrical Engineering Materials.
 E.E. 325, Electromagnetic Theory I.
 E.E. 362K, Introduction to Automatic Control.
 E.E. 351K, Probability Theory and Applications.
 M.E. 353, Engineering Economic Analysis.
 Man. and Mkt. (9 hours upper-division).

#Eight of the electrical engineering courses listed in this block must be taken.

*These courses are required of students in this block to complement the eighteen hours of block electives.

**M.E. 320 may be substituted for M.E. 333 in the electrical engineering core-

Changes in PLAN 6 - (LEADING TO THE DEGREE OF BACHELOR OF ENGINEERING SCIENCE)

For the Courses in the
1970-1972 Catalogue:
 (pages 49-53)

Substitute in the
1972-1974 Catalogue:

Curriculum for Four Years

Semester
Hours

*Aerospace Engineering 211	2
Chemistry 301, 302, 204, 353	11
**Electrical Engineering 335K, 435L	7
Engineering Mechanics 305, 310, 319, 361, 363	15
English 305, 317 (or Speech 319)	6
General Engineering 202	2
Government 610	6
American History	6

Curriculum for Four Years

Semester
Hours

Chemistry 301, 302, * 204#	8
Engineering Mechanics 306 ¹ , 311 ¹	6
English 301, 305	6
General Engineering 202	2
**American Government	6
**American History	6
***Approved nontech-nical electives	6
Mathematics 808, 427K, 427L	16
Computer Programming	3

Mathematics 808, 427K, 427L, and 3 hours of upper-division mathematics	19	Physics 403K, 403L	8
Mechanical Engineering 333, 334, 368K	9	Courses required for specific programs and electives	60-63
Physics 415, 416	8	Total	127-129
Upper-division science elective	3		
Upper-division design elective	3		
***Approved humanistic and social science electives	12		
Block courses	21		
Total	130		

*With committee approval any other course treating fundamentals of numerical computation and digital computer programming may be substituted for A.S.E. 211.

**With committee approval, E.E. 411 and E.E. 325 may be substituted for E.E. 335K and E.E. 435L for students whose option program contains other electrical engineering courses.

***In order to meet the minimum general education requirements for undergraduate degrees, three hours of the humanistic and social science electives must be chosen from the area of arts and literature.

*An approved natural science elective may be substituted for Ch. 302 in some programs.

#Not required in all programs.

A single mechanics course, E.M. 314, may be sufficient in some programs.

**Must satisfy Legislative requirements.

***Must satisfy the General Education and ECPD requirement.

NOTE: Individual programs developed under Plan 6 must satisfy the general requirements stated below.

For 1972-1974 Catalogue

The Engineering Science Program is designed to serve the needs of students who have a high aptitude in mathematics and science, but cannot fit their educational requirements into other existing degree programs in either engineering or science. While degree requirements under this Program are stated in general terms, it is expected that all approved interdisciplinary programs will assure the student of: (1) an adequate foundation in science, mathematics, and the humanities and social sciences; (2) an introduction to engineering science and methodology; and (3) experience in engineering analysis, design, and synthesis as they are practiced in his particular area of interest.

Two groups of students will find the Engineering Science Program attractive. The first consists of those students who are interested in following one of the established interdisciplinary curricula offered under this program. Recommended plans of study have been developed for the following options: atmospheric science, bio-medical engineering, engineering science, environmental engineering, materials science, and nuclear science. Faculty advisers are available to discuss these

programs with interested students and to counsel with students after they enroll.

The second group consists of students who desire to develop completely new and individualized programs. It is possible to do this within the general guidelines established for the Engineering Science Program, but the student must work closely with a faculty sponsor who is competent to advise him about his program of study. All special programs must be reviewed and approved in advance by the Engineering Science Committee.

General Requirements for All Programs.--An acceptable program will normally be characterized by:

- (a) Approximately two and one-half years devoted to mathematics, the basic sciences, the engineering sciences, and integration of these into a meaningful educational experience directed toward development of the ability to apply pertinent knowledge to the identification and solution of practical engineering problems.
 - (1) Required work shall include a minimum of 15 hours of mathematics including the equivalent of at least 2 semester hours of differential equations. Facility in computer programming is also required of all students.
 - (2) Required work in the basic sciences will provide fundamental knowledge about natural phenomena, preferably including quantitative expression. A minimum of 14 hours is required including 3 hours of chemistry, 8 hours of physics, and 3 additional hours in chemistry, physics, life sciences, or the earth sciences.
 - (3) A minimum of 30 hours will be selected from engineering science courses which provide breadth of coverage, and should include extensions of several fields from mathematics and basic sciences. These courses should not be limited to those having specific relevance to the major fields. The curriculum should be designed to provide a sequential development in the scientific and engineering area, including both analytic and experimental studies.
- (b) All programs shall contain at least 24 hours of courses chosen from the humanities and social sciences, including:
 - (1) 6 hours of English composition,
 - (2) 6 hours of American government,
 - (3) 6 hours of American history, and
 - (4) 6 hours of arts and literature courses, which satisfy the General Education requirement.

- (c) The above specifications total less than the minimum of 127 hours required for a degree. Additional time is available for full implementation of the student's educational objectives in the areas listed above.

Recommended plans of study for the following options are to be printed in the 1972-1974 catalogue: atmospheric science, bio-medical engineering, engineering science, environmental engineering, materials science, and nuclear science. Since these are only recommendations, they are not submitted for approval.

Changes in PLAN 7 - (LEADING TO THE DEGREE OF BACHELOR OF SCIENCE
IN MECHANICAL ENGINEERING)

For the Courses in the
1970-1972 Catalogue:
(pages 53-56)

Substitute in the
1972-1974 Catalogue:

Mechanical Engineering

219 Engineering Computation
426 Thermodynamics I
442 Engineering Measurements
and Statistics
246 Fluid Mechanics and Heat
Transfer Laboratory
364L Dynamic Systems: Synthesis

Mechanical Engineering

319 Engineering Computation
326 Thermodynamics I
328 Thermodynamics II
335 Probability and
Statistics for Engineers
3AA Measurements and
Instrumentation
3XX Element Design

Chemistry
302

Approved Natural Science
Elective
3 semester hours

Electrical Engineering

335L Engineering Electronics

Electrical Engineering

435L Engineering Electronics

Engineering Mechanics

305 Mechanics I
310 Mechanics II

Engineering Mechanics

306 Statics
311 Dynamics

English

English

301 English Composition

Approved Humanistic and Social
Science Elective
12 semester hours

Approved Non-technical
Electives
6 semester hours

Mathematics

427L Advanced Calculus for
Applications II

Mathematics

Omit M. 427L

Physics

415 Heat, Wave-Motion, and
Optics
416 Electricity and Magnetism

Physics

403K Mechanics, Heat and
Sound
403L Electricity and Magne-
tism, Light, Atomic
and Nuclear Physics

Total number of hours changed
from 130 to 127.

Option Programs
MECHANICAL ENGINEERING

1970-1972 Catalogue

Block Courses I, General
Mechanical Engineering

(Includes special programs such as biomedical engineering, ocean engineering, and environmental engineering.)

M.E. 328, Thermodynamics II.

M.E. 363L, Mechanical Engineering Laboratory.

M.E. 365K, Analytical Basis of Design I.

*Six semester hours of approved technical electives.

1972-1974 Catalogue

Block I, Professional Mechanical
Engineering Practice

This option program is recommended for those who wish to gain the broadest possible education in mechanical engineering applications and who expect to enter professional practice immediately upon graduation. Courses may be selected from the following list which covers many aspects of Mechanical Engineering.

General.

** M.E. 325L, Co-operative Engineering Program.

** M.E. 362K, Readings in Engineering.

** M.E. 377K, Projects in Mechanical Engineering.

Materials Engineering.

M.E. 378K, Mechanical Metallurgy.

M.E. 379M.3, Mechanical Processing of Materials.

Mechanical and Energy Systems.

* M.E. 3ee, Analysis and Design of Machine Elements.
M.E. 363L, Energy Systems Laboratory.

M.E. 364M, Control of Industrial Systems and Processes.

*M.E. 374L, Design of Thermal Systems.

M.E. 379K, Combustion Engine Processes.

M.E. 379M.13, Industrial Design for Production.

M.E. 379N, Noise and Vibration Control.

Up to six credit hours selected from Block III Courses.

Nuclear Engineering.

M.E. 337, Nuclear Engineering: Introduction to Nuclear Power Systems.

M.E. 361E, Nuclear Engineering : Nuclear Reactor Engineering.

Operations Research.

M.E. 366L, Introduction to Operations Research.

M.E. 375K, Production Engineering Management.

*A technical elective is usually an upper-division course in engineering, mathematics, chemistry, physics, or geology. A list of recommended electives for each block is available in the Mechanical Engineering Office. All other technical electives must be approved in advance by the Mechanical Engineering Departmental Chairman.

*Both of these courses are required.

**Only one of these courses may be selected.

Block Courses II, Materials Engineering

M.E. 360K, Physical Metallurgy.

M.E. 361M, Thermodynamics of Materials.

M.E. 378K, Mechanical Metallurgy.

Six semester hours selected from:

M.E. 362K, Readings in Engineering.

M.E. 370K, Structure and Properties of Materials.

M.E. 377K, Projects in Mechanical Engineering.

Upper-division materials courses in chemical engineering or engineering mechanics.

*Approved technical electives.

Block II, Materials Engineering

The design, production, and reliability of many devices depend upon careful selection of evaluation of materials for specific requirements. This option program allows the student to obtain additional depth in the materials area. It is recommended especially for those who expect to pursue graduate study in this field.

*M.E. 360K, Physical Metallurgy.

*M.E. 361M, Thermodynamics of Materials.

*M.E. 370K, Properties of Materials.

*M.E. 378K, Mechanical Metallurgy.

*M.E. 379M.3, Mechanical Processing of Materials.

**M.E. 362, Readings in Engineering.

**M.E. 377K, Projects in Mechanical Engineering.

**M.E. 325L, Co-operative Engineering.

M.E. 337, Nuclear Engineering: Introduction to Nuclear Power Systems.

M.E. 366L, Introduction to Operations Research.

E.E. 334, Electrical Engineering Materials.

Ch. 353, Physical Chemistry.
 Ch.E. 355, Introduction to
 Polymer Engineering.
 Phy. 375S, Introductory
 Solid State Physics.
 M. 427L, Advanced Calculus
 for Applications II.
 Up to six credit hours from
 Block III.

*At least nine credit hours must
 be selected from this group of
 courses.

**Only one of these courses may
 be counted toward the degree.

Block Courses III, Mechanical
 Systems

M.E. 365K, Analytical Basis of
 Design I.
 Nine semester hours selected
 from:
 M.E. 364M, Analysis and Design
 of Feedback Control Systems.
 M.E. 365L, Analytical Basis of
 Design II.
 M.E. 366N, Advanced Design
 Concepts.
 M.E. 379M.9, Studies in Me-
 chanical Engineering: Noise
 and Vibration Control.
 Three semester hours of approved
 mathematics.
 *Three semester hours selected
 from courses above or approved
 technical elective.

Block III, Mechanical and Energy
 Systems

This option program allows the
 student to obtain additional depth
 in the traditional areas of mechan-
 ical engineering which encompass
 the analysis and creative design
 of mechanical systems and power
 devices. It is recommended
 especially for those who wish
 to pursue graduate study in
 this field.

*M.E. 365K, Analytical
 Basis of Design I.
 *M.E. 360N, Intermediate
 Heat Transfer.
 M.E. 360L, Intermediate
 Fluid Mechanics.
 M.E. 360M, Compressible
 Fluid Flow.
 M.E. 361E, Nuclear Engi-
 neering: Nuclear Reactor
 Engineering.
 M.E. 364L, Dynamic
 Systems: Synthesis.
 M.E. 365L, Analytical
 Basis of Design II.
 M.E. 366L, Introduction
 to Operations Research.
 M.E. 366N, Advanced
 Design Concepts.

*Both of these courses are re-
 quired.

Block III, Mechanical and Energy
 Systems (continued)

M.E. 374L, Design of Thermal
 Systems.
 M.E. 369L, Engineering
 Computational Methods.

- M.E. 379M.11, Fluid Power Systems.
- **M.E. 377K, Projects in Engineering.
- **M.E. 362K, Readings in Engineering.
- **M.E. 325L, Co-operative Engineering.
- ***M. 427L, Advanced Calculus for Applications II.
- ***M. 372, Fourier Series and Boundary Value Problems.
- Ch.E. 354, Unit Operations I: Fluid Flow, Heat Transfer and Mass Transfer.
- Ch.E. 363, Unit Operations II: Separation Processes.
- Up to six credit hours of Block I Courses listed under Mechanical and Energy Systems.

**Only one of these courses may be selected.

***Only one of these courses may be counted toward the degree.

Block Courses IV, Nuclear Engineering

- M.E. 361E, Nuclear Engineering: Radiation and Reactor Fundamentals I.
- M.E. 361F, Nuclear Engineering: Radiation and Reactor Fundamentals II.
- Nine semester hours selected from:
- M.E. 328, Thermodynamics II.
- M.E. 337, Nuclear Engineering: Introduction to Nuclear Power Systems.
- M.E. 362K, Readings in Engineering.
- M.E. 374L, Design of Thermal Systems.
- M. 368K, Introduction to Numerical Analysis.
- M. 372, Fourier Series and Boundary Value Problems.
- Phy. 326, Introduction to Nuclear Physics.
- Phy. 373, Modern Physics I: Introductory Quantum Mechanics.
- *Approved technical electives.

Block IV, Nuclear Engineering

This option program allows the student to obtain additional depth in the field of nuclear-mechanical engineering, which encompasses the release, control, and utilization of radiation and heat from nuclear sources: radioactivity, fission, and fusion. This option is recommended especially for those who wish to pursue graduate study in this field.

- *M.E. 337, Nuclear Engineering: Introduction to Nuclear Power Systems.
- *M.E. 361E, Nuclear Engineering: Nuclear Reactor Engineering.
- *M.E. 361F, Nuclear Engineering: Introductory Laboratory.
- **M.E. 362K, Readings in Engineering.
- **M.E. 377K, Projects in Mechanical Engineering.
- **M.E. 325L, Co-operative Engineering.

M.E. 366L, Introduction to Operations Research.
 M.E. 369L, Engineering Computational Methods.
 M.E. 374L, Design of Thermal Systems.
 M. 427L, Advanced Calculus for Applications II.
 M. 372, Fourier Series and Boundary Value Problems.
 Phy. 326, Introduction to Nuclear Physics.
 Phy. 373, Modern Physics I: Introductory Quantum Mechanics.

Any three credit hours from Block III.

*All three of these courses are required.

**Only one of these courses may be counted toward the degree.

Block Courses V, Operations Research and Management

M.E. 366L, Introduction to Operations Research.

M.E. 375K, Production Engineering Management.

Nine semester hours selected from:

M. 348, Survey of Numerical Techniques.

M. 372, Fourier Series and Boundary Value Problems.

M.E. 362K, Readings in Engineering.

M.E. 371K, Engineering Contracts and Specifications.

M.E. 373K, Basic Industrial Engineering.

*Approved technical or business administration electives.

Block V, Operations Research

This option program allows the student to obtain additional depth in the area of modern industrial engineering and management which emphasize methods and techniques associated with quantitative decision making and optimization. It is recommended especially for those who wish to pursue graduate study in this field.

*M.E. 366L, Introduction to Operations Research.

*M.E. 375K, Production Engineering Management.

**M.E. 325L, Co-operative Engineering.

**M.E. 377K, Projects in Mechanical Engineering.

M.E. 366S, Statistical Process Analysis.

M.E. 373K, Basic Industrial Engineering.

M.E. 379M.1, Hospital Methods Analysis and Improvement.

M.E. 379M.12, Intermediate Operations Research.

***Man. 336, Organizational Behavior and Administration.

***Man. 372, Interpersonal Dynamics and Administrative Practices.

*Both of these courses are required.

**Only one of these courses may be counted toward the degree.

***Only one of these courses may be counted toward the degree.

Block Courses VI, Energy Systems

M.E. 328, Thermodynamics II.

M.E. 363L, Mechanical Engineering Laboratory.

Nine semester hours selected from:

M.E. 337, Nuclear Engineering: Introduction to Nuclear Power Systems.

M.E. 360M, Fundamentals of Compressible Fluid Flow.

M.E. 362K, Readings in Engineering.

M.E. 364K, Air Conditioning and Refrigeration.

M.E. 371K, Engineering Contracts and Specifications.

M.E. 374L, Design of Thermal Systems.

M.E. 379K, Combustion Engine Processes.

*Approved technical electives.

Block VI, Special Programs

Special block programs may be arranged to emphasize interdisciplinary areas such as bio-medical engineering, ocean engineering, environmental engineering and transportation engineering. This option program can also be utilized as preparation for further professional training in medicine, dentistry, business, or law. Further details are given in the catalogue. The student should consult the Department Undergraduate adviser for details and program approval.

Changes in PLAN 8 - (LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN PETROLEUM ENGINEERING)

For the Courses in the
1970-1972 Catalogue :
(pages 56-58)

Substitute in the
1972-1974 Catalogue:

Petroleum Engineering
001 Petroleum Engineering
Orientation

Petroleum Engineering
368 Well-logging and
Correlation

Chemistry
204 Introduction to Chemical
Practice

Chemistry
Omit Ch. 204

Civil Engineering
354 Elementary Mechanics of
Fluids

Civil Engineering
354 Elementary Mechanics
of Fluids, or
Mechanical Engineering
345 Fluid Mechanics

Drawing 202 Descriptive Geometry	Drawing Omit Drw. 202
Electrical Engineering 331 Electric Circuits and Machinery	Electrical Engineering 331 Electric Circuits and Machinery, <u>or</u> 335K Fundamentals of Electricity and Electric Circuits
Engineering Mechanics 305 Mechanics I 310 Mechanics II	Engineering Mechanics 306 Statics 311 Dynamics
English 317 Technical Writing 3-hour elective (literature) Spe. 319 Business and Professional Speaking	English 301 English Composition 317 Technical Writing, <u>or</u> Spe. 319 Business and Professional Speaking
Mathematics 427L Advanced Calculus for Applications II	Mathematics 3-hour upper division elective
Mechanical Engineering 426 Thermodynamics I	Mechanical Engineering 319 Engineering Computation 326 Thermodynamics I
Physics 415 Heat, Wave-Motion, and Optics 416 Electricity and Magnetism	Physics 403K Mechanics, Heat and Sound 403L Electricity and Magnetism, Light, Atomic and Nuclear Physics
Approved Humanistic or Social Science Elective 3 semester hours	Non-technical Electives 6 semester hours
Block Courses 16 semester hours	Program Electives 15 semester hours
	Total number of hours changed from 130 to 129

Option Programs
PETROLEUM ENGINEERING

1970-1972 Catalogue:
Block Courses I, Reservoir Engineering
Geology elective (3 semester hours); or P.En. 369.
M.E. 219, Engineering Computation.

Typical Elective Programs
1972-1974 Catalogue:
Oil and Natural Gas Reservoir Engineering
Reservoir engineers design and supervisor projects which will provide the maximum

P.En. 661b, Petroleum Reservoir Engineering.
 P.En. 363, Land-Leasing, Royalty, and Conservation Practices.
 P.En. 368, Well-Logging and Correlation.
 Technical elective (2 semester hours).

Block Courses II, Production Engineering

M.E. 334, Engineering Materials.
 P.En. 363, Land-Leasing, Royalty, and Conservation Practices.
 P.En. 464, Natural Gas Engineering.
 P.En. 368, Well-Logging and Correlation.
 Related technical elective (3 semester hours).

Block Courses III, Finance-Economics-Management

Fin. 357, Business Finance; or
 Fin. 374, Financial Planning and Policy.
 Man. 365, Administration and Organization; or
 Man. 372, Interpersonal Dynamics and Administrative Practices.
 P.En. 363, Land-Leasing, Royalty, and Conservation Practices.
 Related technical electives (7 semester hours).

economic recovery of oil and/or from petroleum reservoirs. They determine the number and location of wells to be drilled, estimate the amount of oil and/or gas which can be recovered, and continually study the performance of the reservoir to determine methods of increasing recovery. In the course work, emphasis is placed upon applied mathematics, reservoir mechanics, economics, statistics, conservation practices, and computer modeling.

Oil and Natural Gas Production Engineering

Production engineers design and supervise projects for the drilling completion, stimulation and workover of wells, and are responsible for all technical aspects of oil and/or gas production. Their primary efforts are directed toward keeping production continuous in the most profitable and efficient manner. Their activities also include selection and installation of surface and subsurface equipment, oil and gas treatment and processing, all phases of well testing programs and corrosion control. Courses emphasize drilling and production technology, economics, equipment design, rock mechanics, computer technology and conservation practices.

Petroleum Finance and Management

Petroleum finance and management engineers estimate the economic value of oil and gas properties and are generally part of the management team. They are responsible for the value determination of recoverable reserves, the economics of field and company wide operations, and are generally the policy and decision makers. Courses emphasized in the areas of economics, finance, management, business, law, geology, petroleum evaluation, conservation practices and computer science.

Block Courses IV, Analytics of Reservoir Engineering
 M.E. 219, Engineering Computation.
 P.En. 661b, Petroleum Reservoir Engineering.
 P.En. 464, Natural Gas Engineering.
 Related electives in mathematics (7 semester hours).

Block Courses V, Design and Technology
 M.E. 324, Kinematics and Dynamics of Mechanical Systems.
 M.E. 334, Engineering Materials.
 M.E. 365K, Analytic Basis of Design I.
 M.E. 366K, Engineering Design.
 Related technical electives (4 semester hours).

Block Courses VI, Drilling and Rock Mechanics
 C.E. 124L, Materials Laboratory.
 M.E. 334, Engineering Materials.
 P.En. 368, Well-Logging and Correlation.
 Related technical electives (9 semester hours).

Block Courses VII, Natural Gas Engineering
 M.E. 328, Thermodynamics II.
 P.En. 464, Natural Gas Engineering.
 P.En. 368, Well-Logging and Correlation.
 Related technical electives (6 semester hours).

3. On February 24, 1972, the University Council by the circularization procedure, adopted the following proposed revision of the requirements for the degree of Bachelor of Science in Chemistry (D&P 5016-17).

Item 3, under "A. Prescribed Work," presently reads: "German 406, 407, and 314K (or such portion thereof as may be required by the score on the language classification test). If a second language is desired, French or Russian is recommended."

The new item 3 is to read: "German 406, 407, plus three hours of German that requires 407 as a prerequisite (or such portion thereof

Resource Engineering

Resource Engineers primarily utilize and apply petroleum engineering techniques in those areas not associated with the production of oil and gas. Their specific areas include rock mechanics, geothermal energy production, in-situ combustion of oil shales, solution mining, earthquake research, fluid waste and salt water disposal, environmental proration and conservation practices. Course emphasize drilling technology, rock mechanics, reservoir engineering, computer technology, applied mathematics, economics and conservation practices.

as may be required by the score on the language classification test). If a second language is desired, French or Russian is recommended."

Item 4, under "A. Prescribed Work," presently reads: "Either Physics 401, 416 and 415; or Physics 810a, 416, and 415, with the former preferred."

The new item 4 is to read: "Physics 401, 416 and 415."

4. At its meeting on February 28, 1972, the General Faculty adopted the recommendation of the University Council on the Membership of the University Council, which constitutes a revision of the first three paragraphs in Section 1.A of the Rules and Regulations Governing the University Council (page 10416). The revision is as follows.

- (1) Members ex-officio with vote. The University Council shall include 25 ex-officio members with vote as follows: President of The University of Texas at Austin, Vice-President, Vice-President for Academic Affairs, Vice-President for Business Affairs, Vice-President for Student Affairs, Provost for Arts and Sciences, University Librarian¹, Dean of the School of Architecture, Dean of the College of Business Administration, Dean of the School of Communication, Dean of the College of Education, Dean of the College of Engineering, Dean of the College of Fine Arts, Dean of the Graduate School, Dean of the College of Humanities, Dean of Interdisciplinary Programs, Dean of the School of Law, Dean of the Graduate School of Library Science, Dean of the College of Natural Sciences, Dean of the College of Pharmacy, Dean of the Lyndon B. Johnson School of Public Affairs, Dean of the College of Social and Behavioral Sciences, Dean of the Graduate School of Social Work, Dean of Extension, and Dean of Students.
- (2) Members ex-officio without vote. The Council shall include one ex-officio member without vote as follows: the Registrar and Director of Admissions.
- (3) Members elected with vote. The Council shall include the following members with vote elected from the following areas:
 - (a) General Faculty: 21 members of the General Faculty, 20 of whom are elected at large, plus the Secretary of the General Faculty (to serve as ex-officio Secretary of the University Council), who is annually elected at the regular spring meeting of the General Faculty.
 - (b) Colleges and Schools: 24 or more, with 24 to be apportioned among the independent schools and colleges,²

¹The University Librarian and the Dean of Students become members ex-officio with vote as of September 1, 1972.

²The number of members to be apportioned among schools and colleges increases from 22 to 24 as of September 1, 1972.

plus such additional members as are provided for in paragraph 2.B.

- (c) Student Body: 4 students, including the President and Vice-President of the Students' Association and two students to be elected by the Student Senate.

Explanation: This proposed revision with respect to Membership of the University Council involves the following changes.

1. Includes the Vice-President, the Provost for Arts and Sciences, the Deans of the Colleges of Humanities, Natural Sciences, and Social and Behavioral Sciences, and the Dean of Interdisciplinary Programs as members ex-officio with vote (as approved by the University Council on May 17 and October 18, 1971 and by the General Faculty on October 26, 1971; see D&P 4850, 4893-94, 4929, 4957-58, D&M 10379).
2. Shifts the University Librarian to the category of members ex-officio with vote, effective September 1, 1972.
3. Places the Dean of Students in the category of members ex-officio with vote, effective September 1, 1972.
4. Removes the Director of Physical Plant and the Director of Housing and Food Service from the category of members ex-officio without vote.
5. Lists the Secretary of the General Faculty under the General Faculty heading in paragraph (3).
6. Shifts one representative of the Student Body from the House of Delegates, which has been abolished, to the Student Senate (formerly known as the Student Assembly), which will now have two representatives rather than one.
7. Adds two more faculty members to be apportioned among the independent schools and colleges, effective September 1, 1972.

These changes are such that the members ex-officio with vote do not exceed one-half the number of faculty members elected with vote, which is the ratio accepted by the University Council as its guideline. The membership of the Council will be as follows at this time and in September 1972:

	<u>February 1972</u>	<u>September 1972</u>
Members ex-officio with vote	23	25
Members elected with vote		
Faculty	47	50
Students	4	4
Total members with vote	<u>74</u>	<u>79</u>
Members ex-officio without vote	<u>3</u>	<u>1</u>
Total Members	77	80

Note: Another faculty member will automatically be added on September 1, 1972 when the Lyndon B. Johnson School of Public Affairs becomes entitled to an elected representatives.

5. On March 14, 1972 the University Council approved by circularization the proposal to change the requirements for a major in Ethnic Studies under the degree of Bachelor of Arts, Plan I (D&P 5034-35).

It is recommended that the statement of requirements for a major in Ethnic Studies appearing in Arts and Sciences Catalogues (Humanities, pages 115-116; Natural Sciences, pages 114-115, Social and Behavioral Sciences, pages 102-03) be changed as follows:

From: The major in Ethnic Studies shall consist of twenty-four semester hours selected as follows: (a) Twelve semester hours, including six upper-division hours, of courses in one discipline; (b) twelve semester hours of upper-division courses, the content of which is directly related to ethnic studies.

The courses under requirements (a) and (b) shall be chosen subject to principles established by the Committee on Ethnic Studies and must be approved by the Chairman of the Committee or his representative. Individual programs should be a concentration in the study of one ethnic group or be of such a nature as to reflect a perspective of one discipline upon the general issue of ethnic studies.

To: Majors in Ethnic Studies must choose one of three areas of concentration and meet the requirements of that concentration as outlined below.

Afro-American Studies

- (a) ETS 301.
- (b) Eighteen semester hours in a single discipline, of which at least twelve hours must be upper-division, and including six hours of Afro-American content courses.
- (c) Nine semester hours of Afro-American content courses in disciplines other than (b), including at least six upper-division hours.

Mexican-American Studies

- (a) ETS 310, 318, 371, 372.
- (b) Spanish 346 or an approved equivalent.
- (c) Eighteen semester hours in a single discipline, of which at least nine hours must be upper-division, and including six hours of Mexican-American content courses and a three-hour Mexican content course. Students using English to meet requirement (c) may substitute an approved three-hour Mexican content course in another discipline.

Comparative Ethnic Studies

- (a) ETS 301, 310, or 318.
- (b) Eighteen semester hours in a single discipline, of which at least twelve must be upper-division, and including six hours of ethnic studies content courses.

- (c) Six semester hours of upper-division ethnic studies content courses in disciplines other than (b).
- (d) No more than two ethnic studies content courses dealing with the same ethnic group may be counted.

The Ethnic Studies program, and the Afro-American and Mexican-American concentrations, are directed by faculty committees appointed by the Dean of Inter-disciplinary Programs. Members of these committees advise students, prescribe groups of courses that satisfy the content requirements, and authorize course substitutions when appropriate.

Reason: To strengthen the requirements for the degree, to indicate more specifically the required distribution of courses, and to permit students to choose between the study of one or more ethnic groups. The three areas of concentration have been developed and approved by representatives of the Afro-American and Mexican-American Studies faculty.

GIFTS TO THE UNIVERSITY OF TEXAS AT AUSTIN

S + F

The following gifts have been received at The University of Texas at Austin. I recommend acceptance and that the thanks and appreciation of the Board be sent the donors by the Secretary. In the case of scholarships where the recipient is designated by the donor, it has been ascertained that the donor is a charitable or public institution and that the donation does not constitute an evasion of taxes.

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. Gifts for endowment purposes are indicated by an "E" following the dollar amount.

	DONOR	PURPOSE AND CONDITIONS	AMOUNT
1	Amoco Production Company Dr. Sam Martner P. O. Box 591 Tulsa, Oklahoma 74102	College of Engineering Contribution to Department of Petroleum Engineering for the Rock Mechanics Research Program	\$15,000.00
2	Atlantic Richfield Company Louis F. Davis Executive Vice President North American Producing Division P. O. Box 2819 Dallas, Texas 75221	College of Engineering Contribution for the unrestricted use of the Engineering Foundation	5,000.00
3	* Dwight D. Book Estate c/o Trust Department, San Antonio Loan and Trust Company P. O. Box 1228 San Antonio, Texas 78206	U. T. Austin Regular distribution of income from the Book Estate, to be used for scholarships	11,951.96
4	* Champlin Petroleum Co. Roger S. Plummer, Jr. President P. O. Box 9365 Fort Worth, Texas 76107	Dept. of Geological Sciences Contribution to the endowment fund to establish a Professorship of Energy Resources	5,000.00 E
5	Cities Service Oil Company J. O. Scott, Manager, Production Research P. O. Box 50408 Tulsa, Oklahoma 74105	College of Engineering Contribution to Department of Petroleum Engineering for the Rock Mechanics Research Program	67,500.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
6 * Clayton Foundation for Research 1621 Bank of the Southwest Building Houston, Texas 77002	U. T. Austin Quarterly contribution toward coordinating the curriculum of the Department of Chemistry with the Biochemical Institute research program	8,750.00
7 Continental Oil Company Conoco Production Research Division F. R. Conley, Manager P. O. Box 1267 Ponca City, Oklahoma 74601	College of Engineering Contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
8 * Corporation for Public Broadcasting Don Trapp Radio Projects Manager 888 16th Street, N.W. Washington, D.C. 20006	Center for Communication Research Continuation of support for U. T. Austin radio station KUT-FM	7,500.00
9 C. J. Davidson 1004 Continental Life Building Fort Worth, Texas 76102	U. T. Austin Contribution to the Department of Home Economics, to be added to the Davidson Family Scholarship Fund	10,000.00 E
10 * Mrs. Genevieve Tarlton Dougherty P. O. Box 640 Beeville, Texas 78102	College of Engineering Contribution of two checks for \$3,000 each in memory of Robert M. Dunham and Charles John Nibbi	6,000.00
11 * Dowell Division of Dow Chemical Company R. E. Hurst P. O. Box 21 Tulsa, Oklahoma 74102	College of Engineering Contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
12 E. I. du Pont de Nemours & Company, Inc. C. B. McCoy, President Wilmington, Delaware 19898	Department of Chemistry Contribution to provide a Du Pont Science and Engineering Grant for the Department of Chemistry	15,000.00
13 E. I. du Pont de Nemours & Company, Inc. C. B. McCoy, President Wilmington, Delaware 19898	College of Engineering Contribution to provide a Du Pont Science and Engineering Grant for the Department of Chemical Engineering	10,000.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
14 *Engineering-Science Inc. 150 East Foothill Boulevard Arcadia, California 91006 c/o Davis L. Ford 3109 North Interregional Austin, Texas 78722	College of Engineering Contribution to the Bureau of Engineering Research for a research program in petro- chemical waste treatment	\$7,500.00
15 *Getty Oil Company John Mintz P. O. Box 36367 Houston, Texas 77001	College of Engineering Contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
16 *Gulf Oil Foundation Gulf Oil Company W. B. Hopkins P. O. Box 1150 Midland, Texas 79701	Dept. of Geological Sciences Unrestricted contribution to this department	5,000.00
17 Halliburton Services Chemical Research and Development W. T. Malone, Assistant Manager Drawer 1431 Duncan, Oklahoma 73533	College of Engineering Contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	7,500.00
18 Hughes Tool Company R. A. Cunningham P. O. Box 2539 Houston, Texas 77001	College of Engineering Contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
19 Humble Companies Foundation Charles F. Jones Vice Chairman of the Board Humble Oil & Refining Co. P. O. Box 2180 Houston, Texas 77001	U. T. Austin Contributions as follows: College of Business Administration 1,500 Dept. of Accounting 3,000 College of Engineering Chemical Engineering 1,500 Civil Engineering 1,000 Electrical Engineering 1,500 Engineering Mechanics 2,000 Mechanical Engineering 1,500 Petroleum Engineering 1,500 Engineering Foundation 6,000 Chemical Engineering 2,000 Petroleum Engineering 2,000 Program to Aid Disadvantaged Students in Engineering 3,000 School of Law 2,500 Department of Geological Sciences 5,000 Department of Physics 1,000	35,000.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
20 Industrial Generating Company Big Brown Division Dick White, Director of Environmental Research Fairfield, Texas 75840	U. T. Austin Grant to the Department of Zoology to cover the costs of a research program to be conducted at Fairfield Lake	\$7,997.00
21 *Johns-Manville Service Corporation P. O. Box 159 Manville, New Jersey 08835	College of Engineering Contribution to the Bureau of Engineering Research for continuation of a research program on virus filtration	7,500.00
22 Kinney Services Foundation Morton Rosenthal 10 Rockefeller Plaza New York, New York 10020	U. T. Austin Contribution to the Lyndon Baines Johnson School of Public Affairs, to be used to reimburse Edward Rosenthal for funds which he advanced for student scholarships	15,000.00
23 *Latin American Scholarship Program of American Universities, Inc. 25 Mt. Auburn Street Cambridge, Massachusetts	International Office Continuation of regular support to provide scholarships for foreign students	29,972.00
24 Marathon Oil Company L. C. Gibbons Associate Research Director Denver Research Center Littleton, Colorado 80120	College of Engineering Contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
25 Merck Sharp & Dohme Research Laboratories H. J. Robinson, Vice President for Scientific Affairs Merck & Co., Inc. Rahway, New Jersey 07065	U. T. Austin Contribution to the Institute for Biomedical Research, to be used by Dr. Karl Folkers	5,000.00
26 *Mobil Research and Development Corporation Nathan Stein P. O. Box 900 Dallas, Texas 75221	College of Engineering Contribution to the Department of Petroleum Engineering for the Rock Mechanics Research Program	15,000.00
27 *Moody Foundation Edward L. Protz Grant Coordinator 704 Moody National Bank Building Galveston, Texas 77550	U. T. Austin Final installment on \$100,000 grant to the Arts and Sciences Foundation	7,100.00

DONOR	PURPOSE AND CONDITIONS	AMOUNT
28 C. B. Smith, Sr. P. O. Drawer 579 Austin, Texas 78767	U. T. Austin Gift to the Arts and Sciences Foundation of 400 shares of American First Corporation stock to assist with expenses of the Walter Prescott Webb Symposium	\$12,000.00**E
29 C. B. Smith, Sr. P. O. Drawer 579 Austin, Texas 78767	U. T. Austin Additional gift to the Arts and Sciences Foundation of 400 shares of American First Cor- poration stock to assist with expenses of the Walter Prescott Webb Symposium	10,000.00**E
30 Texas Interscholastic League Foundation R. J. Kidd, Secretary P. O. Box 8028 Austin, Texas 78712	U. T. Austin Contribution to provide scholarship funds for numerous designated students	21,975.00
The following nonmonetary gifts have also been received:		
31 *George G. Arnakis 1010 West 22nd Street Austin, Texas 78705	Humanities Research Center Gift of papers and other research materials relating to the history of Rumania	1,250.00**
32 Thomas M. Cranfill 1901 Cliff Street Austin, Texas 78705	U. T. Austin Gift of 13 Latin American works of art to be added to previous gifts	9,210.00**
33 Gulf Publishing Company Clayton A. Umbach, Jr. Director, Book Publishing P. O. Box 2608 Houston, Texas 77001	College of Engineering Gift of selected books for the D. V. Carter Memorial Library	248.40**
34 *Alfred A. Knopf 201 East 50th Street New York, New York 10022	Humanities Research Center Gift of approximately 73 books from his personal library, to be added to the Alfred A. and Blanche W. Knopf Library	1,325.00**
35 Col. Alexis B. McMullen 6103 Woodmont Road Alexandria, Virginia 22307	Humanities Research Center Gift of booklets, photographic materials, and personal papers relating to aviation, for the History of Aviation Collection	600.00**

DONOR	PURPOSE AND CONDITIONS	AMOUNT
36 Mrs. J. R. Nicholas Ross Cobblestones Kilkhampton, Bude Cornwall, England	Humanities Research Center Gift of the Adelaide and J. R. Nicholas Ross books, papers, manuscripts, and photographs for the Ross and Phillipott Collections of the Library	\$5,000.00**
37 *John Symonds 66 Lyncroft Mansions London, England	Humanities Research Center Gift of a collection of papers, books, magazines, photographs, and manuscripts relating to Gerald Hamilton, for the Library	2,500.00**
38 Wayland D. Towner 306 East San Antonio Street Fredericksburg, Texas 78624	Humanities Research Center Gift of a stamp collection, "Many Mexicos," in four volumes, and three volumes of personal papers relating to the War Chest Fund in Texas during World War II	2,300.00**

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET

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.

<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 SERVICESOffice of the President

Appointment

Assistant to the President

1. David M. Clay (RBC# 1877)	2/1 - 8/31	100	12	\$ 26,000
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Transfer of Funds

2. Amount of Transfer - \$18,000

To: Office of the President - Administrative and Professional Salaries

From: Unallocated Special Library

To fund the appointment of David Clay, Assistant to the President, and an assistant.
(RBC# 1835)

University Personnel Office

Transfer of Funds

3. Amount of Transfer - \$1,440

To: University Personnel Office - Wages

From: Unallocated Classified Personnel

Funds were used for clerical assistants needed in conjunction with insurance, Unemployment Compensation Insurance and other records maintained in this office.
(RBC# 1794)

Office of the Dean of Students

Salary Increase

Assistant Dean of Students

4. Margaret J. Barr

To:	9/1 - 2/29	100	12	13,500
	3/1 - 8/31	100	12	14,000

From:	9/1 - 8/31	100	12	<u>13,500</u>
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Rate Increase (RBC# 1970)			<u>12</u>	<u>500</u>
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Interdepartmental Transfer

5. Amount of Transfer - \$500

To: Office of the Dean of Students - Maintenance and Operation

From: Office of the President - Development of Student Services

Funds were used to acquire additional materials for the Drug Abuse Library in the Office of the Dean of Students.
(RBC# 1878)

<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>GENERAL ADMINISTRATION</u> <u>AND STUDENT SERVICES (Continued)</u>				
<u>Counseling-Psychological Services Center</u>				
Interdepartmental Transfer				
6. Amount of Transfer - \$9,000				
To: Counseling-Psychological Services Center - Wages				
From: Office of the Dean of Students - Administrative and Professional Salaries				
Funds available in the Dean's office due to an unfilled position were needed to provide additional summer staffing in the Center. (RBC# 1974)				
<u>Measurement and Evaluation Center</u>				
Interdepartmental Transfer				
7. Amount of Transfer - \$230				
To: Measurement and Evaluation Center - Wages				
From: Office of the Vice President for Student Affairs - Classified Salaries				
To reimburse the Center's wages account for funds paid for keypunching in connection with a housing survey being conducted by the Office of the Vice President for Student Affairs. (RBC# 1973)				
<u>Student Financial Aids</u>				
Interdepartmental Transfer				
8. Amount of Transfer - \$2,106				
To: Student Financial Aids - Classified Salaries (\$1,008) - Wages (\$1,098)				
From: Vice President for Student Affairs - Classified Salaries				
Salary funds available in the Vice President for Student Affairs' Office were needed to establish a new 1/2 T. clerical position and to provide for the reclassification of a member of classified staff in the Student Financial Aids' Office. (RBC# 1972)				
<u>International Office</u>				
Transfer of Funds				
9. Amount of Transfer - \$3,808				
To: International Office - Wages (\$2,308) - Maintenance and Operation (\$1,500)				
From: Unallocated Maintenance and Operation				
To return to the International Office 85% of the tuition and fees paid in by 22 participants in the International Teacher Development Program held during the Fall Semester. A 15% overhead charge has been retained. These funds were deposited to General Budget Income but are needed now to defray expenses incurred for this program by the International Office. (RBC# 1936)				

<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 INSTITUTIONAL EXPENSEUniversity News and Information Service

Transfer of Funds

10. Amount of Transfer - \$180

To: University News and Information Service - Classified Salaries

From: Unallocated Classified Salaries

Additional funds were needed for the salary of the replacement for an Informational Writer III.

(RBC# 1920)

University Film Program

Transfer of Funds

11. Amount of Transfer - \$200

To: University Film Program - Maintenance and Operation

From: Unallocated Maintenance and Operation

To return to the University Film Program an amount equal to the receipts from a pay show which were deposited to General Budget Income, but are needed now to defray expenses incurred in the presentation of the show.

(RBC# 1796)

SCHOOL OF ARCHITECTURE

Appointment

Instructor

12. Jon H. Thompson (Non-tenure) (RBC# 1839)	1/16 - 5/31	100	9	\$ 9,000
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Change of Status and Salary Increase

13. Michael J. Jordan (Non-tenure)

To: Instructor 1/16 - 5/31 100 9 9,000

From: Assistant Instructor 1/16 - 5/31 67 9 8,000Rate Increase 9 1,000

Source of Funds: Transfer from Unallocated Faculty Salaries
(RBC# 1790, 1795)

Leave of Absence

Associate Professor

14. Claudio Arenas (Tenure)	9/1 - 5/31	100	9	13,000
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Term of Leave 1/16 - 5/31

(RBC# 1869)

<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 HUMANITIESOffice of the Dean

Transfer of Funds

15. Amount of Transfer - \$9,426

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

(1) Classics (RBC# 1802)	\$ 746	(6) Philosophy (RBC# 1809)	\$ 450
(2) English (RBC# 1798)	1,770	(7) Slavic Languages (RBC# 1824)	600
(3) French and Italian (RBC# 1927)	640	(8) Spanish and Portuguese (RBC# 1808)	380
(4) Germanic Languages (RBC# 1799)	530	(9) Language Laboratories (RBC# 1825)	3,230
(5) Oriental and African Languages and Literatures (RBC# 1810)	1,080		

Classics

Resignation

Assistant Professor

16. Frederick M. Ahl (Non-tenure) 9/1 - 5/31 LWOP 9 (\$ 13,500)

Date of Resignation 8/31/71
(RBC# 1782)Classics, Germanic Languages and Oriental and African Languages and Literatures

Interdepartmental Transfer

17. Amount of Transfer - \$6,885

To: Classics - Wages (\$3,300)
Germanic Languages - Wages (\$2,067)
Oriental and African Languages and Literatures - Wages (\$1,518)

From: English - Teaching Assistants

Reallocation of funds within this college to provide graders and clerical assistants, as needed.
(RBC# 1792)

English

Appointment

Lecturer (Spring 1972, Only)

18. Wilson Harris (Non-tenure) 1/16 - 5/31 100 9 \$ 16,000

Sources of Funds:

Departmental Faculty Salaries and transfers from Ethnic Studies Faculty Salaries and Teaching Assistants accounts.
(RBC# 1834, 1287, 1291)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF HUMANITIES</u>				
<u>English (Continued)</u>				
Resignation				
Assistant Professor				
19. John S. Lambert (Non-tenure)	9/1 - 5/31	LWOP	9	(\$11,000)
Date of Resignation (RBC# 1964)	5/31/72			
Resignation				
Assistant Professor				
20. Patricia J. Crunden (Non-tenure)	1/16 - 5/31	100	9	10,000
Date of Resignation	1/15/72			
Dr. Crunden was on leave during the Fall Semester. (RBC# 1906)				
Resignation				
Assistant Instructor				
21. Anne P. Freeman (Non-tenure)	9/1 - 5/31	50	9	8,000
Date of Resignation (RBC# 1783)	1/15/72			
Resignation				
Assistant Instructor				
22. James F. Stewart (Non-tenure)	9/1 - 11/13	50	9	8,000
	11/14 - 5/31	50	9	8,400
Date of Resignation (RBC# 1833)	1/15/72			
<u>French and Italian</u>				
Appointment				
Instructor				
23. Monique M. B. Mindak (Non-tenure)	1/16 - 5/31	33	9	9,000
(RBC# 1966)				
Assistant Instructor				
24. Janine M. Torigian (Non-tenure)	1/16 - 5/31	33	9	8,000
(RBC# 1855)				
<u>Philosophy</u>				
Interdepartmental Transfer				
25. Amount of Transfer - \$500				
To: Philosophy - Teaching Assistants				
From: English - Teaching Assistants				
Reallocation of Teaching Assistants funds within the College of Humanities to provide support where needed. (RBC# 1937)				

<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 SOCIAL AND BEHAVIORAL SCIENCES

Office of the Dean

Transfer of Funds

26. Amount of Transfer - \$692

Transfers were made from the Dean's Visiting Lecturers and Consultants account to the various departmental Visiting Lecturers and Consultants accounts as follows:

(1) Government (RBC# 1950)	\$292
(2) Sociology (RBC# 1892)	400

Anthropology

Transfer of Funds

27. Amount of Transfer - \$2,892

To: Anthropology - Wages

From: Unallocated Classified Salaries

Funds were used for student graders for large classes during the Spring Semester.
(RBC# 1876)

Geography

Appointment

Visiting Professor

28. Metod Vojvode (Non-tenure)	1/16 - 5/31	100	9	\$ 16,000
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Source of Funds:
Transfer from Unallocated
Faculty Salaries
(RBC# 1776, 1795)

Government

Reappointment

Assistant Instructor

29. Walter L. Weisberg (Non-tenure)	1/16 - 5/31	50	9	8,000
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Previous appointment was at the same rate.
(RBC# 1901)

History

Change of Status and Salary Increase

30. Clarence G. Lasby (Tenure)

To: Associate Professor	9/1 - 2/15	100	9	14,000
Associate Professor and Acting Chairman	2/16 - 5/31	100	9	15,500
From: Associate Professor	9/1 - 5/31	100	9	<u>14,000</u>
Rate Increase			<u>9</u>	<u>1,500</u>

Source of Funds:
Transfer from the Dean's Reserve
(RBC# 1962, 1928)

<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 SOCIAL AND BEHAVIORAL SCIENCES (Continued)

Psychology

Appointment

Visiting Professor

31. Philip G. Zimbardo (Non-tenure) (RBC# 1948)	2/1 - 2/15	100	Academic Rate \$ 21,000	Stipend \$1,000
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COLLEGE OF NATURAL SCIENCES

Office of the Dean

Transfer of Funds

32. Amount of Transfer - \$20,000

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

(1) Astronomy (RBC# 1868)	\$1,500	(6)	Geological Sciences (RBC# 1816)	\$3,500
(2) Biological Sciences (RBC# 1819)	1,000	(7)	Home Economics (RBC# 1804)	1,000
(3) Botany (RBC# 1807)	2,000	(8)	Mathematics (RBC# 1805)	2,000
(4) Chemistry (RBC# 1818)	3,000	(9)	Microbiology (RBC# 1887)	1,000
(5) Computer Sciences (RBC# 1817)	1,000	(10)	Physics (RBC# 1866)	4,000

Astronomy

Transfer of Funds

33. Amount of Transfer - \$1,425

To: Astronomy - Teaching Assistants

From: Dean's Reserve for Faculty Salaries

Funds were needed for additional Teaching Assistants to staff Spring course offerings.
(RBC# 1797)

Botany

Transfer of Funds

34. Amount of Transfer - \$200

To: Botany - Visiting Lecturers and Consultants

From: Office of the Dean - Visiting Lecturers and Consultants

To provide the stipend for a visiting lecturer.
(RBC# 1955)

Chemistry

Transfer between Dissimilar Appropriations

35. Amount of Transfer - \$1,200

To: Wages

From: Maintenance and Operation

To transfer to an appropriate account funds budgeted in the Maintenance and Operation account for Work-Study personnel.
(RBC# 1933)

<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 and Clayton Foundation</u>				
<u>Biochemical Institute</u>				
Appointment, Change of Status, and Salary Increase				
36. Joanne M. Ravel (Tenure)				
Appointment:				
Chemistry Associate Professor	1/16 - 5/31	50	9	\$ 14,000
Change of Status:				
Clayton Foundation Biochemical Institute Assistant Director				
To:	9/1 - 1/15	100	12	17,000
	1/16 - 5/31	50	9	14,000
From:	9/1 - 8/31	100	12	17,000
			9	<u>12,750</u>
			(equiv)	
Rate Increase (RBC# 1679, 1635)			<u>9</u>	<u>1,250</u>
<u>Home Economics</u>				
Transfer between Dissimilar Appropriations				
37. Amount of Transfer - \$2,700				
To: Wages				
From: Faculty Salaries (\$1,140) Teaching Assistants (\$1,560)				
Reallocation of departmental funds to provide for two academic assistants needed due to reassignment of duties of members of the Home Economics faculty. (RBC# 1924)				
<u>Mathematics</u>				
Appointment				
Instructor (Spring Semester, Only)				
38. David Kincaid (Non-tenure)	1/16 - 5/31	25	9	9,000
Concurrent Employment:				
Center for Numerical Analysis Research Scientist Associate IV (RBC# 1943)				
	1/16 - 5/31	75	12	12,000
Change of Status				
Assistant Instructor				
39. Giles E. Bradford, III (Non-tenure)				
To:	1/16 - 5/31	75	9	8,000
From:	1/16 - 5/31	50	9	8,000
(RBC# 1873)				
Assistant Instructor				
40. John M. Camden (Non-tenure)				
To:	1/16 - 5/31	75	9	8,000
From:	1/16 - 5/31	50	9	8,000
(RBC# 1858)				

<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</u>				
<u>Mathematics (Continued)</u>				
Change of Status				
Assistant Instructor				
41. Arnold M. Eisenstein (Non-tenure)				
To:	1/16 - 5/31	75	9	\$ 8,000
From:	1/16 - 5/31	50	9	8,000
(RBC# 1854)				
Assistant Instructor				
42. Kenneth F. Gregory (Non-tenure)				
To:	1/16 - 5/31	75	9	8,000
From:	1/16 - 5/31	50	9	8,000
(RBC# 1856)				
Assistant Instructor				
43. Edward E. Schleicher, III (Non-tenure)				
To:	1/16 - 5/31	75	9	8,000
From:	1/16 - 5/31	50	9	8,000
(RBC# 1853)				
Assistant Instructor				
44. Jimmy C. Lewis (Non-tenure)				
To:	1/16 - 5/31	50	9	8,000
From:	1/16 - 5/31	25	9	8,000
(RBC# 1857)				
Change of Status and Salary Increase				
45. James L. Gilchrist (Non-tenure)				
To: Instructor (Spring Semester, Only)	1/16 - 5/31	100	<u>Academic Rate</u> \$ 9,000	<u>Stipend</u> \$ 4,000
From: Assistant Instructor	1/16 - 5/31	75	<u>8,000</u>	3,000
Rate Increase - 9 mos.			<u>1,000</u>	
(RBC# 1944)				
Resignation				
Assistant Instructor				
46. Gary W. Cobb (Non-tenure)				
Date of Resignation	9/1 - 5/31	25	9	8,800
(RBC# 1788)	1/15/72			

<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>Microbiology</u>				
Salary Increase				
Associate Professor				
47. William J. Mandy (Tenure)				
To:	9/1 - 12/31	100	12	\$ 25,000
	1/1 - 8/31	100	12	26,000
Academic Rate - \$19,500				
From:	9/1 - 8/31	100	12	<u>25,000</u>
Academic Rate - \$18,750				
Rate Increase			<u>12</u>	<u>1,000</u>
Sources of Funds:				
USPHS Career Development Award and Departmental Faculty Salaries (RBC# 1969, 1945)				
Transfer of Funds				
48. Amount of Transfer - \$2,099				
To: Microbiology - Wages				
From: Unallocated Classified Salaries				
Funds were needed for graders and a storeroom assistant for the Spring Semester. (RBC# 1935)				
<u>Physics</u>				
Reappointment				
Instructor (1971-72 Only)				
49. Narayanan S. Menon (Non-tenure)	1/16 - 5/31	50	Academic Rate	Stipend
			\$ 9,000	\$ 2,000
Previous appointment was at the same rate. (RBC# 1941)				
<u>Zoology</u>				
Appointment				
Assistant Professor (Spring Semester, Only)				
50. Gervasia M. Schreckenber (Non-tenure)	1/16 - 5/31	100	9	\$ 12,000
(RBC# 1861)				
Appointment and Salary Increase				
Instructor (Spring Semester, Only)				
51. Margaret W. Shen (Non-tenure)	1/16 - 5/31	100	9	9,000
Previous appointment:				
Zoology				
Research Scientist Associate II				
			12	10,020
			9	<u>7,515</u>
			(equiv)	
Rate Increase			<u>9</u>	<u>1,485</u>
(RBC# 1859)				

<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>

DIVISION OF GENERAL
AND COMPARATIVE STUDIES

Comparative Studies

Resignation

Visiting Professor

52. Tosco R. Fyvel (Non-tenure) 1/16 - 5/31 100 9 \$ 24,000

Date of Resignation 1/31/72
(RBC# 1851)

Ethnic Studies

Interdepartmental Transfer

53. Amount of Transfer - \$238

To: Ethnic Studies - Classified Salaries

From: Office of the Provost - Classified Salaries

To provide funds for a salary increase for a member of Ethnic Studies
classified staff.
(RBC# 1929)

COLLEGE OF BUSINESS ADMINISTRATION

Office of the Dean

Transfer between Dissimilar

Appropriations

54. Amount of Transfer - \$5,000

To: Classified Salaries

From: Administrative and Professional Salaries

The needs of the Dean's office require the employment of additional
classified personnel.
(RBC# 1982)

Interdepartmental Transfer

55. Amount of Transfer - \$15,600

To: Office of the Dean - Computer Rental and Purchased Services

From: Management - Computer Rental and Purchased Services (\$4,000)
Marketing Administration - Computer Rental and Purchased Services (\$11,600)

The Dean's office is responsible for all computer funds allocated to the
College of Business Administration. This transfer is to facilitate
control of these funds.
(RBC# 1954, 1953)

General Business

Appointment

Lecturer

56. Nick P. Woodward (Non-tenure) 1/16 - 5/31 33 --- ---
(RBC# 1778)

<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</u>				
<u>Curriculum and Instruction</u>				
Appointment			Academic	
Instructor			<u>Rate</u>	<u>Stipend</u>
57. Sheila R. B. Carson (Non-tenure) (RBC# 1899)	1/16 - 5/31	50	\$ 9,000	\$ 1,200
Instructor			<u>Rate</u>	<u>Stipend</u>
58. Shirley E. M. Hord (Non-tenure)	1/16 - 5/31	50	\$ 9,000	\$ 2,000
Concurrent Employment:				
Research and Development Center for Teacher Education				
Training Specialist II (RBC# 1996)	9/1 - 8/31	50	12	\$ 11,400
Instructor			<u>Rate</u>	<u>Stipend</u>
59. Susan W. Weaver (Non-tenure) (RBC# 1888)	1/16 - 5/31	100	\$ 9,000	\$ 3,000
Appointment and Salary Increase			Academic	
Instructor			<u>Rate</u>	<u>Stipend</u>
60. Cecil N. Marshall (Non-tenure)	1/16 - 5/31	50	\$ 9,000	\$ 1,800
Previous appointment:				
Curriculum and Instruction Teaching Assistant				
Rate Increase - 9 mos. (RBC# 1903)			<u>7,200</u>	
			<u>1,800</u>	
Change of Status				
Professor (M.S.)				
61. James G. Umstattd				
To:	9/1 - 1/15	50	9	\$ 13,100
	1/16 - 5/31	33		
From:	9/1 - 5/31	50	9	13,100
Professor Umstattd retired 1/15/72 but will teach 1/3 T. for the Spring Semester as permitted by Regents Rules and Regulations regarding employment of retired faculty. (RBC# 1898)				
Transfer between Dissimilar Appropriations				
62. Amount of Transfer - \$21				
To: Classified Salaries				
From: Maintenance and Operation				
To provide the additional funds needed for a merit increase for a member of the department's classified staff. (RBC# 1914)				

<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 EDUCATIONCurriculum and Instruction (Continued)

Transfer between Dissimilar Appropriations

63. Amount of Transfer - \$100

To: Computer Rental and Purchased Services

From: Maintenance and Operation

Reallocation of departmental funds to provide for computer services.
(RBC# 1983)

Curriculum and Instruction and Office of the Dean Interdepartmental Transfer

64. Amount of Transfer - \$4,207

To: Curriculum and Instruction - Wages (\$2,418)

From: Office of the Dean - Visiting Lecturers (\$2,418)

To: Office of the Dean - Reserve for Faculty Salaries (\$1,789)

From: Curriculum and Instruction - Teaching Assistants (\$1,789)

Reallocation of funds within the College of Education to permit the employment of Training Specialists needed to assist instructors of large classes in elementary education methods courses.
(RBC# 1815, 1842)

Educational Psychology

Change of Status

Assistant Instructor

65. Joe B. Hansen (Non-tenure)

To: 9/1 - 5/31 33 9 \$ 9,000

From: 9/1 - 1/15 33 9 9,000
(RBC# 1891)

Interdepartmental Transfer

66. Amount of Transfer - \$160

To: Educational Psychology - Wages

From: Office of the Dean - Wages

Funds were used for payment of part-time personnel involved in the preparation and presentation of technical reports for classroom use by the Department of Educational Psychology.
(RBC# 1915)

COLLEGE OF ENGINEERINGAerospace Engineering and EngineeringMechanics - Engineering Mechanics Division

Transfer of Funds

67. Amount of Transfer - \$573

To: Aerospace Engineering and Engineering Mechanics - Engineering Mechanics Division - Teaching Assistants

From: Aerospace Engineering and Engineering Mechanics - Engineering Mechanics Division - Wages (\$473)

Aerospace Engineering and Engineering Mechanics - Teaching Assistants (\$100)

Reallocation of funds within the College of Engineering to provide support where needed. (RBC# 1841, 1875)

<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 ENGINEERING (Continued)Aerospace Engineering and Engineering Mechanics

Interdepartmental Transfer

68. Amount of Transfer - \$1,450

To: Aerospace Engineering and Engineering Mechanics - Faculty Salaries

From: Dean's Reserve for Teaching Salaries

Funds were needed to support the salary of Professor Victor G. Szebehely who has changed from 2/3 T. to F.T. teaching during the Spring Semester.
(RBC# 1644)

Civil Engineering

Interdepartmental Transfer

69. Amount of Transfer - \$600

To: Civil Engineering - Wages

From: Civil Engineering - Architectural Engineering Division - Wages

To provide student graders needed by the Civil Engineering Department.
(RBC# 1801)

Interdepartmental Transfer

70. Amount of Transfer - \$1,750

To: Civil Engineering - Teaching Assistants

From: Civil Engineering - Meteorology - Teaching Assistants (\$1,150)
Civil Engineering - Architectural Engineering Division -
Teaching Assistants (\$600)

Reallocation of Teaching Assistants funds to provide support where needed.

(RBC# 1884, 1994)

Civil Engineering and Center for Highway Research

Reappointment

71. Mohammad R. S. Abdelraouf (Non-tenure)

Civil Engineering

Instructor

1/16 - 5/31

50

9

\$ 10,000

Center for Highway Research -

Government Contract - Payroll

Clearing Account Funds

Research Engineer (Faculty)

1/1 - 5/31

33

9

10,000

Previous appointments were at the same rate.

(RBC# 1777, 1774)

Electrical Engineering

Transfer between Dissimilar

Appropriations

72. Amount of Transfer - \$1,100

To: Wages

From: Maintenance and Operation

Reallocation of departmental funds to provide for student graders needed for the Spring Semester.

(RBC# 1814)

<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 (Continued)</u>				
<u>Mechanical Engineering</u>				
Reappointment				
Assistant Instructor				
73. Carl F. Boehm, Jr. (Non-tenure)	1/16 - 5/31	75	9	\$ 8,100
Previous appointment was at the same rate. (RBC# 1785)				
Salary Increase				
Instructor				
74. Eldon J. Reynolds (Non-tenure)				
To:	9/1 - 1/15	75	9	9,000
	1/16 - 5/31	62.5	9	10,800
From:	9/1 - 5/31	75	9	<u>9,000</u>
Rate Increase (RBC# 1771)			<u>9</u>	<u>1,800</u>
Change of Status				
Instructor				
75. Kenneth M. Ragsdell (Non-tenure)				
To:	9/1 - 1/15	75	9	9,000
	1/16 - 5/31	87.5		
From:	9/1 - 5/31	75	9	9,000
(RBC# 1770)				
<u>COLLEGE OF FINE ARTS</u>				
<u>Art</u>				
Appointment				
Instructor				
76. Audrey A. McClinchie (Non-tenure)	1/16 - 5/31	33	9	9,000
(RBC# 1995)				
Change of Status				
77. Hunter Ingalls (Non-tenure)	9/1 - 5/31	100	9	13,750
Change Title, Only:				
To: Visiting Associate Professor				
From: Assistant Professor (RBC# 1965)				
Transfer of Funds				
78. Amount of Transfer - \$1,000				
To: Art - Wages				
From: Dean's Reserve for Faculty Salaries				
To provide part-time non-teaching personnel needed by this department for the Spring Semester. (RBC# 1925)				

<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>SCHOOL OF LAW</u>				
Appointment				
Lecturer				
79. Duncan E. Osborne (Non-tenure) (RBC# 1947)	2/18 - 5/31	50	9	\$ 16,000
Reappointment				
Lecturer				
80. Donald F. Nobles (Non-tenure) Previous appointment was at the same rate. (RBC# 1907)	2/10 - 5/31	50	9	18,000
Remove from Budget				
Professor				
81. William F. Fritz (Tenure) Deceased (RBC# 1872, 1871)	9/1 - 5/31 2/9/72	100	9	28,000

GRADUATE SCHOOL OF LIBRARY SCIENCE
AND COMPUTATION CENTER

Resignation				
82. Gerald D. Everett (Non-tenure)				
Graduate School of Library Science				
Lecturer	9/1 - 5/31	33	9	11,000
Date of Resignation	1/15/72			
Computation Center				
Research Scientist (Faculty)	9/1 - 5/31	67	9	11,000
Date of Resignation (RBC# 1769, 1597)	12/31/71			

COLLEGE OF PHARMACY

Transfer between Dissimilar
Appropriations

83. Amount of Transfer - \$10,000

To: Maintenance and Operation

From: Administrative and Professional Salaries

Reallocation of funds to provide for the College's operational needs
during the remainder of the fiscal year.
(RBC# 1843)

COMMUNICATION CENTER

Transfer between Dissimilar
Appropriations

84. Amount of Transfer - \$1,792

To: Administrative and Professional Salaries

From: Classified Personnel Salaries

Funds were needed for change of status of Mr. Robert F. Schenkkan,
Director, who will be 3/4 T. in this capacity rather than the 1/2 T.
originally budgeted effective March 1 through May 31.
(RBC# 1865)

<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>LBJ SCHOOL OF PUBLIC AFFAIRS</u>				
Appointment			Academic	
Visiting Professor			<u>Rate</u>	<u>Stipend</u>
85. Harvey C. Mansfield (Non-tenure) (RBC# 1768, 1850)	1/10 - 5/31	50	\$25,000	\$ 6,500

UNALLOCATED FACULTY SALARIES

Transfer of Funds

86. Amount of Transfer - \$17,636

Transfers were made from the Unallocated Faculty Salaries account to the following departments to support Spring Semester appointments:

(1) Government - Faculty Salaries	\$2,000
(2) Psychology - Faculty Salaries	1,000
(3) Microbiology - Faculty Salaries	556
- Teaching Assistants	1,250
(4) Physics - Faculty Salaries	2,000
(5) Zoology - Faculty Salaries	8,500
(6) Speech - Faculty Salaries	1,630
(7) Special Education - Teaching Assistants	700
(RBC# 1863, 1926, 1993)	

LIBRARY

Transfer of Funds

87. Amount of Transfer - \$15,062

To: Administrative and Professional Salaries (\$4,080)
Classified Personnel (\$10,982)

From: Unallocated Special Library

To establish the position of Reference Librarian for the Business Administration and Economics Library and four classified positions in the Main Library.
(RBC# 1977, 1976)

ORGANIZED RESEARCHBureau of Business Research

Transfer between Dissimilar Appropriations

88. Amount of Transfer - \$1,000

To: Maintenance and Operation

From: Computer Rental and Purchased Services

To reimburse the Bureau's Maintenance and Operation account for payments made for Taurus line time at the University Computation Center. Funds were budgeted for the service in the Bureau's Computer Rental and Purchased Services account.
(RBC# 1864)

<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</u>				
<u>Bureau of Business Research (Continued)</u>				
Transfer between Dissimilar Appropriations				
89. Amount of Transfer - \$140				
To: Special Equipment				
From: Maintenance and Operation				
<p style="margin-left: 40px;">To transfer to the appropriate account the additional funds needed for this fiscal year for the rental of MT/MS composing system. (RBC# 1803)</p>				
<u>Bureau of Engineering Research</u>				
Transfer between Dissimilar Appropriations				
90. Amount of Transfer - \$13,025				
To: Administrative and Professional Salaries				
From: Maintenance and Operation				
<p style="margin-left: 40px;">Reallocation of the Bureau's funds for better utilization. (RBC# 1951)</p>				
<u>Center for Nuclear Studies</u>				
Transfer between Dissimilar Appropriations				
91. Amount of Transfer - \$3,000				
To: Maintenance and Operation				
From: Administrative and Professional Salaries				
<p style="margin-left: 40px;">Funds available due to personnel changes in the Center's staff are needed for current operating expenses. (RBC# 1890)</p>				
<u>Center for Relativity Theory</u>				
Appointment				
Research Scientist (Faculty)				
92. Bryce S. DeWitt (Tenure)	1/1 - 1/15	100	9	\$ 25,000
Academic Status:				
Professor (Physics)				
Source of Funds:				
Transfer from the Center's Classified Salaries account. (RBC# 1909, 1952)				
<u>Center for Statistical Mechanics and Thermodynamics</u>				
Transfer between Dissimilar Appropriations				
93. Amount of Transfer - \$4,000				
To: Administrative and Professional Salaries				
From: Classified Salaries				
<p style="margin-left: 40px;">Reallocation of the Center's salary funds. (RBC# 1984)</p>				

<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 - Bureau of Economic Geology</u>				
Transfer between Dissimilar Appropriations				
94. Amount of Transfer - \$1,250				
To: Wages				
From: Administrative and Professional Salaries				
Funds available in the Administrative and Professional Salaries account due to personnel changes were needed for wages. (RBC# 1912)				
<u>Humanities Research Center</u>				
Remove from Budget				
Office Manager and Executive Assistant				
95. Frances H. Hudspeth	9/1 - 8/31	100	12	\$ 18,500
Deceased (RBC# 1847)	1/29/72			
<u>Institute of Latin American Studies</u>				
Reappointment				
Assistant Instructor				
96. Charles W. Lindsey (Non-tenure)	1/16 - 5/31	25	9	8,000
Previous appointment was at the same rate.				
Concurrent Employment:				
Economics				
Assistant Instructor (RBC# 1874)	9/1 - 5/31	50	9	8,000
<u>Learning Disabilities Center</u>				
Interdepartmental Transfer				
97. Amount of Transfer - \$87				
To: Learning Disabilities Center - Maintenance and Operation				
From: Reading-Study Center (Revolving Funds)				
Transfer funds to permit the Learning Disabilities Center to meet current operating expenses. (RBC# 1956)				
<u>EXTENSION TEACHING AND FIELD SERVICE BUREAU</u>				
Transfer between Dissimilar Appropriations				
98. Amount of Transfer - \$22,750				
To: Maintenance and Operation				
From: Administrative and Professional Salaries				
Reallocation of funds to provide for actual and anticipated expenses for the remainder of the fiscal year. (RBC# 1911)				

<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>PHYSICAL PLANT</u>				
<u>Buildings and Grounds</u>				
Interdepartmental Transfer				
99. Amount of Transfer - \$105				
To: Fire Prevention - Classified Personnel				
From: Office of the Superintendent - Classified Personnel				
Transfer classified salaries funds within the budget of the Department of Buildings and Grounds to provide a merit increase to a staff member. (RBC# 1845)				
<u>Balcones Research Center</u>				
Interdepartmental Transfer				
100. Amount of Transfer - \$521				
To: Administration - Salaries				
From: General Services - Salaries				
Reallocation of salary funds within this area to provide merit increases for two members of the classified staff. (RBC# 1820)				
<u>SPONSORED PROJECTS</u>				
<u>Botany</u>				
Appointment				
Director (Faculty)				
101. Tom J. Mabry (Tenure)	6/1 - 8/31	100	9	\$ 17,500
Sources of Funds:				
USPHS Contract	6/1 - 7/31			
NSF Grant	8/1 - 8/31			
Academic Status:				
Professor (Botany)				
(RBC# 1862, 1860)				
<u>Zoology</u>				
Appointment				
Director (Faculty)				
102. E. L. Powers (Tenure)	6/1 - 8/31	100	9	26,500
Source of Funds:				
USPHS Contract				
Academic Status:				
Professor (Zoology)				
(RBC# 1612)				
Project Director (Faculty)				
103. Crodowaldo Pavan (Tenure)	2/28 - 3/11	100	9	30,500
Source of Funds:				
USPHS Contract				
Academic Status:				
Professor (Zoology) - On Leave Spring Semester				
(RBC# 1968)				

<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</u>				
<u>Zoology (Continued)</u>				
Appointment				
Project Director (Faculty)				
104. Robert K. Selander (Tenure)	1/16 - 8/31	100	9	\$ 19,000
Source of Funds: USPHS Contract				
Academic Status: Professor (Zoology) (RBC# 1883)				
Reappointment				
Research Executive Director				
105. William W. Milstead	1/1 - 8/31	100	12	25,000
Source of Funds: NSF Grant				
Previous appointments were at the same rate. (RBC# 1547, 1775, 1967)				
<u>Center for Economic Development</u>				
Reappointment				
Project Director				
106. Niles M. Hansen (Tenure)	1/1 - 8/31	50	9	25,000
Source of Funds: OEO Grant				
Previous appointment was at the same rate.				
Concurrent Employment:				
Economics				
Professor	9/1 - 5/31	50	9	25,000
(RBC# 1780, 1963)				
<u>Laboratory for Computer-Assisted Instruction</u>				
Reappointment				
Director				
107. C. Victor Bunderson (Tenure)	2/16 - 5/31	75	9	17,000
Source of Funds: MITRE Contract				
Previous appointment was at the same rate.				
Concurrent Employment:				
Laboratory for Computer-Assisted Instruction - General Budget Funds				
Director	9/1 - 5/31	25	9	17,000
Academic Status: Associate Professor (Educational Psychology) (RBC# 1881)				

<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</u>				
<u>Laboratory for Computer-Assisted Instruction (Continued)</u>				
Reappointment				
Assistant Director				
108. M. Rex Arnett	2/16 - 5/31	100	12	\$ 18,600
Source of Funds: MITRE Contract				
Previous appointment was at the same rate. (RBC# 1879)				
Research Scientist (Faculty)				
109. Theodore U. Boessenroth	2/16 - 8/31	100	9	12,600
Source of Funds: MITRE Contract				
Previous appointment was at the same rate. (RBC# 1880)				
Research Scientist (Faculty)				
110. Gerald W. Faust (Tenure)	2/16 - 5/31	50	9	15,000
Source of Funds: MITRE Contract				
Previous appointment was at the same rate.				
Concurrent Employment: Educational Psychology Associate Professor (RBC# 1904)				
	9/1 - 5/31	50	9	15,000
Research Scientist (Faculty)				
111. Harold F. O'Neil, Jr. (Non-tenure)	3/1 - 3/31	50	9	13,500
Source of Funds: NSF Grant				
Previous appointments were at the same rate.				
Concurrent Employment: Educational Psychology Assistant Professor (RBC# 1940)				
	9/1 - 5/31	50	9	13,500
<u>Extension Teaching and Field Service Bureau</u>				
Resignation				
Assistant Director				
112. J. Peter Williams, Jr.	9/1 - 6/30	100	12	15,500
Date of Resignation (RBC# 1946)				
	1/31/72			

<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>

REVOLVING FUNDSExtension Teaching and Field Service
Bureau - Office of the Dean

Reappointment

Director of Management
Development Programs

113. Robert E. Anderson 3/1 - 5/31 100 12 \$ 15,000

Source of Funds:

Management Development
Programs Revolving FundPrevious appointment was
at the same rate.

(RBC# 1939)

ACADEMIC DEVELOPMENT FUNDAcademic Development Fund
Allotment Account

Transfer of Funds

114. Amount of Transfer - \$9,000

Transfers were made from the Academic Development Fund Allotment Account
as follows:

(1) Microbiology - Departmental Program Development (RBC# 1793)	\$5,000
(2) College of Fine Arts - College-wide Development Fund (RBC# 1992)	1,500
(3) Office of the Dean of Graduate School - Academic Development Fund (RBC# 1885)	2,500

Office of the Provost for
Arts and Sciences

Transfer of Funds

115. Amount of Transfer - \$5,250

Transfers were made from the Provost's Academic Development Fund to the
various College and Department Academic Development Funds as follows:

(1) College of Humanities \$ 500 (RBC# 1821)	(4) Center for Asian Studies \$1,750 (RBC# 1932, 1957)
(2) English 500 (RBC# 1823)	(5) Radio/Television/Film 500 (RBC# 1931)
(3) Microbiology 2,000 (RBC# 1812)	

College of Humanities - Office
of the Dean

Transfer of Funds

116. Amount of Transfer - \$1,500

Transfers were made from the Dean's Academic Development Fund as follows:

(1) Germanic Languages - Departmental Development Program (RBC# 1806)	\$ 500
(2) Office of the Dean of Graduate School - Academic Development Fund (RBC# 1958)	1,000

<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 FUNDCollege of Social and Behavioral Sciences - Office of the Dean

Transfer of Funds

117. Amount of Transfer - \$1,097

Transfers were made from the Dean's Academic Development Fund account to the departmental Academic Development Fund accounts as follows:

(1) Government (RBC# 1917)	\$857
(2) Psychology (RBC# 1893)	240

College of Natural Sciences - Office of the Dean

Transfer of Funds

118. Amount of Transfer - \$6,500

Transfers were made from the Dean's Academic Development Fund to the departmental Academic Development Funds as follows:

(1) Botany (RBC# 1867)	\$ 500
(2) Microbiology (RBC# 1822)	6,000

CURRENT RESTRICTED FUNDSEngineering Foundation

Transfer between Dissimilar Appropriations

119. Amount of Transfer - \$22,000

To: Industrial Associates (\$10,000)
Maintenance and Operation (\$8,000)
Official Entertainment (\$4,000)

From: Faculty Awards (\$14,000)
Salaries (\$8,000)

Reallocation of the Foundation's funds to provide for current and anticipated needs.

(RBC# 1991, 1990, 1988)

Fine Arts Foundation - Office of the Dean

Interdepartmental Transfer

120. Amount of Transfer - \$1,000

To: Opera Theatre Fund - Various Donors

From: Drama Laboratory Theatre - Revolving Fund

To transfer to an appropriate account Opera's share of Drama Season Ticket sales.

(RBC# 1886)

<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>

CURRENT RESTRICTED FUNDS (Continued)

Fine Arts Foundation - Music

Transfer between Dissimilar Appropriations

121. Amount of Transfer - \$300

To: Official Entertainment

From: Camps and Contests

Reallocation of the Foundation's funds to provide for expenses of entertaining guest professors, artists and prospective faculty members visiting the U. T. Austin campus.
(RBC# 1800)

AUXILIARY ENTERPRISES

Intercollegiate Athletics

Appointment

Assistant Football Coach

122. Alvin L. Matthews

2/7 - 7/6

100

Twelve Months

Rate

\$ 12,000

Stipend

\$ 5,000

Sources of Funds:

Intercollegiate Athletics
Salaries and Transfer from
Intercollegiate Athletics -
Allocation for Budget
Adjustments
(RBC# 1910, 1916)

Transfer of Funds

123. Amount of Transfer - \$5,200

To: Operating Expenses

From: Allocation for Budget Adjustments

To provide for unemployment compensation charges for departmental employees.
(RBC# 1894)

Transfer between Dissimilar

Appropriations

124. Amount of Transfer - \$45,000

To: Dining Service - Salaries

From: Dining Service - Wages (\$25,000)
- Other Expenses (\$20,000)

Operational changes effected since the original Dining Service Budget was written have eliminated the need for Wages and Other Expenses accounts and increased the amount needed for salaries.
(RBC# 1987)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED FUNDS (Continued)</u>				
<u>Special Concessions</u>				
Transfer of Funds				
125. Amount of Transfer - \$3,081				
Transfers were made from Special Concessions - Unallocated Projects as follows:				
(1) University Chess Team (RBC# 1923)	\$1,250			
(2) Campus to Counselor (RBC# 1922)	1,831			
<u>Student Health Center</u>				
Resignation				
Physician, Specialist, Psychiatry				
126. John D. Rollyson	9/1 - 8/31	10	12	\$ 22,000
Date of Resignation (RBC# 1971)	1/31/72			

1971-72 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.	Helen-Jo J. Hewitt Linguistics Research Center	Humanities Research Associate II (1/2 T)	Humanities Research Associate IV (F.T.)	
	Salary Rate	\$ 7,440	\$ 9,600	1/16 - 5/31
	Source of Funds: Government Contract - Payroll Clearing Account (RBC# 1830)			
2.	Lea Ann Huie Applied Research Laboratories	Research Scientist Assistant I	Research Scientist Associate I	
	Salary Rate	\$ 6,168	\$ 9,600	1/1/72
	Source of Funds: Government Contract - Payroll Clearing Account (RBC# 1828)			
3.	Syed I. Husain (Non-tenure) Civil Engineering		Instructor (1/4 T)	
	Academic Rate		\$ 9,000	1/16/72
	Center for Highway Research	Research Engineer Associate I (F.T.)	Research Engineer Associate I (3/4 T)	
	Salary Rate - 12 mos.	\$ 9,240	\$ 9,240	
	- 9 mos. equiv.	6,930	6,930	
	(RBC# 1979)			
4.	William D. Inman Computation Center	Computer Programmer Assistant	Computer Programmer I	
	Salary Rate	\$ 6,168	\$ 9,600	3/1/72
	Source of Funds: Computation Center Revolving Fund (RBC# 1961)			

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
5.	Margaret H. Knox Electrical Engineering	Computer Programmer Assistant		
	Dean of Engineering		Computer Programmer I	
	Salary Rate	\$ 6,168	\$ 9,600	1/1 - 5/31
	Source of Funds: Academic Development Program Funds (RBC# 1905)			
6.	Grace S. Lo (Non-tenure) Home Economics	Teaching Assistant (1/2 T)	Instructor (1/2 T)	
	Academic Rate (RBC# 1827)	\$ 6,000	\$ 9,000	1/16/72
7.	Russell J. Miget Marine Science Institute at Port Aransas	Research Scientist Associate IV	Research Scientist Associate V	
	Salary Rate	\$12,000	\$14,400	3/1/72
	Source of Funds: Environmental Protection Agency Grant (RBC# 1870)			
8.	Percy A. Morehouse Extension Teaching and Field Service Bureau	Training Specialist II	Assistant Director	
	Salary Rate	\$11,400	\$14,000	2/1 - 6/30
	Source of Funds: Office of Education Contract (RBC# 1882)			
9.	Narasri Padunchewit (Non-tenure) General Business	Teaching Assistant (1/2 T)	Assistant Instructor (1/2 T)	
	Academic Rate (RBC# 1840)	\$ 5,500	\$ 8,000	1/16/72
10.	David M. Phillips Computation Center	Computer Programmer Assistant	Computer Programmer I	
	Salary Rate	\$ 6,168	\$ 9,600	3/1/72
	Source of Funds: Computation Center Revolving Fund (RBC# 1960)			

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
11.	Jack L. Reynolds LBJ School of Public Affairs	Special Assistant for Operations	Principal Research Associate	
	Salary Rate	\$13,200	\$18,000	2/15/72
	Source of Funds: Ford Foundation Grant for LBJ School of Public Affairs (RBC# 1908)			
12.	Karen S. Ryker (Non-tenure) Drama	Teaching Assistant (1/2 T)	Instructor (3/4 T)	
	Academic Rate (RBC# 1918)	\$ 5,000	\$ 9,000	1/16/72
13.	James G. Sherrill Research and Development Center for Teacher Education	Technical Staff Assistant II	Computer Programmer I	
	Salary Rate	\$ 4,200	\$ 9,240	3/1/72
	Source of Funds: Office of Education Contract (RBC# 1919)			
14.	Robert D. Tollen (Non-tenure) Economics	Teaching Assistant (1/2 T)	Assistant Instructor (1/2 T)	
	Academic Rate (RBC# 1900)	\$ 5,800	\$ 8,000	1/16/72

1972 SUMMER SESSION BUDGET

The following Summer Session Budget is allocated within funds set aside in the original operating budget previously approved by the Board for this purpose. The Summer Session includes generally two terms -- the First Term running June 1 through July 15, and the Second Term from July 16 through August 31. Certain courses are scheduled on an overlapping nine weeks basis (June 1 through July 31), and others on a full twelve weeks basis (June 1 through August 31). Salary calculations are pro rata based on the nine-month academic rate with a cut-off for this purpose at a ceiling of \$18,000, the same as used in previous years. No merit salary rate increases are permitted in the Summer Session Budget.

THE UNIVERSITY OF TEXAS

AT AUSTIN

ALLOCATION FOR 1972 SUMMER SESSION

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EDUCATIONAL AND GENERAL
ALLOCATION FOR 1972 SUMMER SESSION

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THE UNIVERSITY OF TEXAS AT AUSTIN
 EDUCATIONAL AND GENERAL
 1972 SUMMER SESSION ALLOCATION

Appropriation for 1972 Summer Session		
(See Budget adopted by the Board of Regents, page 461)		\$3,040,000
College of Engineering		11,785
Lyndon B. Johnson School of Public Affairs		<u>12,549</u>
		\$3,064,334
Allocations for 1972 Summer Session		
3. Resident Instruction		
3a Faculty Salaries	\$2,895,322	
3b Departmental Operating Costs	112,026	
3c Instructional Administration	<u>23,933</u>	<u>\$3,031,281</u>
Unallocated Summer Session Balance		\$ 33,053

THE UNIVERSITY OF TEXAS AT AUSTIN
 1972 SUMMER SESSION ALLOCATION
 (Elements of Institutional Cost)

3. RESIDENT INSTRUCTION

	<u>TOTAL RESIDENT INSTRUCTION</u>	<u>FACULTY SALARIES</u>	<u>DEPARTMENTAL OPERATING COSTS</u>	<u>INSTRUCTIONAL ADMINISTRATION</u>
SCHOOL OF ARCHITECTURE	\$ 52,247	\$ 49,147	\$ 1,200	\$ 1,900
PROVOST OF ARTS AND SCIENCES	30,000	30,000		
COLLEGE OF HUMANITIES				
Classics	34,995	34,995		
English	160,800	160,800		
French and Italian	43,801	43,801		
Germanic Languages	46,109	46,109		
Oriental and African Languages	14,473	14,473		
Philosophy	29,414	29,414		
Slavic Languages	15,170	15,170		
Spanish and Portuguese	70,237	70,237		
Sub-Total	<u>414,999</u>	<u>414,999</u>		
COLLEGE OF NATURAL SCIENCES				
Astronomy	12,366	12,366		
Division of Biological Sciences	17,247	16,414	833	
Botany	13,517	13,517		
Chemistry	60,330	60,062	268	
Computer Sciences	25,016	23,657	1,359	
Geological Sciences	42,083	40,882	1,201	
Home Economics	22,015	21,148	867	
Mathematics	163,000	158,000	5,000	
Microbiology	26,646	26,133	513	
Physical Instruction	10,206	10,206		
Physics	34,300	32,230	2,070	
Zoology	46,000	44,000	2,000	
Office of the Dean	2,274	2,274		
Sub-Total	<u>475,000</u>	<u>460,889</u>	<u>14,111</u>	

M-101

2031

3. RESIDENT INSTRUCTION (Continued)

	<u>TOTAL RESIDENT INSTRUCTION</u>	<u>FACULTY SALARIES</u>	<u>DEPARTMENTAL OPERATING COSTS</u>	<u>INSTRUCTIONAL ADMINISTRATION</u>
COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES				
Anthropology	31,876	31,876		
Economics	43,200	43,000	200	
Geography	24,315	24,115	200	
Government	77,744	75,244	2,500	
History	76,313	71,290	5,023	
Linguistics	15,432	14,432	1,000	
Psychology	46,344	45,844	500	
Sociology	34,780	34,480	300	
Office of the Dean	3,063	3,063		
Sub-Total	<u>353,067</u>	<u>343,344</u>	<u>9,723</u>	
DIVISION OF GENERAL AND COMPARATIVE STUDIES				
American Studies	5,699	5,499	200	
Asian Studies - Summer Program in South Asian Studies	18,000	18,000		
Ethnic Studies	11,370	11,370		
Middle Eastern Studies	3,000	3,000		
Office of the Dean	9,931	9,931		
Sub-Total	<u>48,000</u>	<u>47,800</u>	<u>200</u>	
COLLEGE OF BUSINESS ADMINISTRATION				
Accounting	70,758	64,428	6,330	
Finance	43,304	42,204	1,100	
General Business	59,984	58,611	1,373	
Management	47,761	45,764	1,997	
Marketing	37,437	36,112	1,325	
Office of the Dean	10,830	10,830		
Sub-Total	<u>270,074</u>	<u>257,949</u>	<u>12,125</u>	

3. RESIDENT INSTRUCTION (Continued)

	<u>TOTAL RESIDENT INSTRUCTION</u>	<u>FACULTY SALARIES</u>	<u>DEPARTMENTAL OPERATING COSTS</u>	<u>INSTRUCTIONAL ADMINISTRATION</u>
SCHOOL OF COMMUNICATION				
Journalism	26,830	26,830		
Radio-Television-Film	16,789	16,789		
Speech	41,404	41,204	200	
Office of the Dean	6,000	6,000		
Sub-Total	<u>91,023</u>	<u>90,823</u>	<u>200</u>	
COLLEGE OF EDUCATION				
Cultural Foundations of Education	23,899	22,980	919	
Curriculum and Instruction	154,000	148,291	5,709	
Educational Administration	34,548	31,698	2,850	
Educational Psychology	74,000	73,255	745	
Physical and Health Education	27,649	27,192	457	
Special Education	49,000	49,000		
Office of the Dean	12,902	6,000	1,069	5,833
Sub-Total	<u>375,998</u>	<u>358,416</u>	<u>11,749</u>	<u>5,833</u>
COLLEGE OF ENGINEERING				
Aerospace Engineering & Engineering				
Mechanics	37,249	32,829	4,420	
Engineering Mechanics Division	27,604	24,299	3,305	
Chemical Engineering	29,774	24,274	5,500	
Civil Engineering	46,349	44,120	2,229	
Architectural Division	14,947	14,665	282	
Meteorological Division	2,373	2,208	165	
Electrical Engineering	68,313	60,963	7,350	
Mechanical Engineering	68,080	64,080	4,000	
Engineering Graphics Division	4,550	4,150	400	
Petroleum Engineering	11,732	10,982	750	
Office of the Dean	8,186	3,686	4,500	
Sub-Total	<u>319,157</u>	<u>286,256</u>	<u>32,901</u>	

3. RESIDENT INSTRUCTION (Continued)

	TOTAL RESIDENT INSTRUCTION	FACULTY SALARIES	DEPARTMENTAL OPERATING COSTS	INSTRUCTIONAL ADMINISTRATION
COLLEGE OF FINE ARTS				
Art	63,894	62,077	1,817	
Drama	47,062	47,062		
Music	179,982	158,982	21,000	
Office of the Dean	12,565	12,565		
Sub-Total	<u>303,503</u>	<u>280,686</u>	<u>22,817</u>	
SCHOOL OF LAW	<u>123,000</u>	<u>113,800</u>	<u>5,000</u>	<u>4,200</u>
GRADUATE SCHOOL OF LIBRARY SCIENCE	<u>42,999</u>	<u>40,999</u>	<u>2,000</u>	
OFFICE OF THE GRADUATE DEAN	<u>12,000</u>			<u>12,000</u>
COLLEGE OF PHARMACY	<u>78,000</u>	<u>78,000</u>		
GRADUATE SCHOOL OF SOCIAL WORK	<u>29,665</u>	<u>29,665</u>		
LYNDON B. JOHNSON SCHOOL OF PUBLIC AFFAIRS	<u>12,549</u>	<u>12,549</u>		
TOTAL RESIDENT INSTRUCTION	<u><u>\$3,031,281</u></u>	<u><u>\$2,895,322</u></u>	<u><u>\$ 112,026</u></u>	<u><u>\$ 23,933</u></u>

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(Noted: May 12, 2009)

THE UNIVERSITY OF TEXAS AT EL PASO
El Paso, Texas

April 3, 1972

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

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin on April 29, 1972:

USE OF TEXTBOOKS WRITTEN BY FACULTY MEMBERS

I recommend approval for the use beginning with the 1972 Spring Semester the following textbooks written by faculty members:

1. New Approaches to Behavioral Objectives by Richard W. Burns, Professor of Curriculum and Instruction, sold in the Bookstore for \$2.25 per copy with a royalty of ten percent to the author.
2. Vasconcelos of Mexico, Philosopher and Prophet by John H. Haddox, Professor of Philosophy, sold in the Bookstore for \$3.50 per copy with a royalty of ten percent to the author.
3. Antonio Caso, Philosopher of Mexico by John H. Haddox, Professor of Philosophy, sold in the Bookstore for \$5.50 per copy with a royalty of ten percent to the author.

TRAVEL

The following trip has been made by a staff member with my approval with travel expense reimbursement to be made from the account, not containing the word "travel," indicated:

Mary S. Colley, Counselor, for travel to Chicago, Illinois, July 26-30, 1972, to attend the Americal Personnel and Guidance Association Conference. Travel expense reimbursement will be made from the Counseling Service Maintenance and Operation account.

GIFTS

The following gifts have been received by The University of Texas at El Paso. I recommend acceptance and that expressions of thanks and appreciation of the Board be sent the donors by the Secretary. In the case of scholarships where the recipient is designated by the donor, it has been determined that the donor is a public or charitable institution and that the donation does not constitute an evasion of taxes.

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. * El Paso Natural Gas Company P. O. Box 1492 El Paso, Texas 79948 Mr. John McFall	The Excellence Fund - Unrestricted	\$6,750.00
2. * The Spencer Foundation John Hancock Center 875 North Michigan Avenue Chicago, Illinois 60611 Mr. H. Thomas James, President	For research conducted by the Cross Cultural South- west Ethnic Study Center	15,925.25

*No letter of transmittal received from donor.

INTERAGENCY CONTRACTS

I recommend ratification of the following interagency contract:

Interagency Contract No. IAC(72-73)-397, beginning February 1 and ending August 31, 1972, between The University of Texas Nursing School (System-Wide) and The University of Texas at El Paso whereby the University will furnish general stores supplies, telephone and postage, photographic services, art work, duplication, and such other needed supplies and services as The University of Texas Nursing School (System-Wide) may consider necessary to its operation. Receiving Agent will not require performing Agent to furnish any supplies or services not presently available. Receiving Agent will pay Performing Agent at the same rates Performing Agent charges its own internal operating departments. The contract was approved by the Board of Control on February 1, 1972.

GOVERNMENT CONTRACTS AND GRANTS

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. Order No. DABE32-72-D-3691, dated March 2, 1972, to Basic Agreement No. DABD07-71-A-0001, whereby the Contracting Officer, Procurement Division, DIO, P. O. Box 6078, Fort Bliss, Texas 79906, authorizes the enrollment of 394 students and 1,444 credit hours during the Spring semester 1972 for a total obligation of \$16,245.
2. Modification No. A018, dated March 15, 1972, to Contract No. DAAD07-67-C-0245, whereby the Contracting Officer, Procurement Division, STEWS-LG-PA, Building 1830, White Sands Missile Range, New Mexico 88002, adds certain government furnished property to the contract and which is to be returned to the Missile Electronic Warfare Technical Area when requested by the government or upon completion of the contract whichever occurs first. The original of this modification has been forwarded to the System Security Supervisor.
3. Contract No. DAAD07-72-C-0016, dated August 2, 1971, whereby the Contracting Officer, Procurement Division, LG-PC, Building 1830, White Sands Missile Range, New Mexico 88002, awards \$8,167 for a Study of "The Theoretical Investigation of Wind Gradient Effects on Atmospheric Shadow Zones" during the period from August 2, 1971 through July 31, 1972.
4. Contract No. OEC-6-72-0723-(509), dated March 7, 1972, whereby the Contracting Officer, U. S. Office of Education, Washington, D. C. 20202, awards \$9,961 as the federal share in support of an Investigation into Linguistic Cues Involved in English Noun Pluralization of Six Year Old Mexican-American Children during the period from the effective date of the contract through August 31, 1973.
5. Contract No. V349V-2143, dated January 26, 1972, whereby the Adjudication Officer, VA Regional Office, 1400 North Valley Mills Drive, Waco, Texas 76710, awards a contract for 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. The rate of payment for private individual tutoring will not exceed \$3.75 per hour and the contract will be in effect during the period January 31, 1972 through January 30, 1973.
6. Contract No. F41609-72-C-0020, dated March 1, 1972, whereby the Contracting Officer, Aerospace Medical Division (AFSC), Attn: PMR, P. O. Box 35448, Brooks Air Force Base, Texas 78235, awards \$81,739 for research on the Assessment of Visual Acuity in High-Risk Environments during the period March 1, 1972 through February 28, 1973.
7. Modification No. A026, dated February 24, 1972, to Contract No. DA-29-040-AMC-1507(X), whereby the Contracting Officer, Procurement Division, STEWS-LG-PA, Building 1830, White Sands Missile Range, New Mexico 88002, increases the cost of Task V by \$392.80 to cover the cost of the final negotiation agreement, 17 August 1971, changing the overhead rates between the Department of Health, Education, and Welfare and The University of Texas at El Paso.

GOVERNMENT CONTRACTS AND GRANTS (CONTINUED)

8. Modification No. A001, dated February 22, 1972, to Contract ^{DAADc7} ~~DAD07~~-72-C-0077, whereby the Contracting Officer, Procurement Division, STEWS-LG-PA, Building 1830, White Sands Missile Range, New Mexico 88002, extends the delivery schedule of the initial units to be supplied under this contract as an action deemed to be in the best interests of the government. Neither the contract price nor the final delivery date of all units is changed by this contract action.

9. Formal agreement, dated May 3, 1971, whereby the Executive Director, El Paso Council of Governments, Suite 1019 Southwest Center, El Paso, Texas 79901, awards \$8,594 for the collection of population and other statistical data for El Paso, Culberson, Hudspeth, Jeff Davis, Presidio, and Brewster counties and publication of a report with 200 copies provided to El Paso Council of Governments during the period May 3, 1971 through February 15, 1972.

10. Agreement, dated January 25, 1972, whereby the Executive Director, El Paso Council of Governments, Suite 1019 Southwest Center, El Paso, Texas 79901, awards \$58,175 for the performance and completion of a grant program known as Regional Law Enforcement Training Program during the period June 1, 1971 through June 30, 1972. This agreement replaces an informal letter agreement dated May 28, 1971, and docketed as Item 1 on the September 1971 docket.

NON-GOVERNMENT CONTRACTS AND GRANTS

I recommend ratification of the following non-government contracts and grants:

1. Letter Agreement, dated January 17, 1972, whereby the Executive Director of the Robert A. Taft Institute of Government, 420 Lexington Avenue, New York, New York 10017, awards \$10,482.84 in new funding to conduct a second Robert A. Taft Institute of Government Seminar at The University of Texas at El Paso during the Summer of 1972.

2. Letter Agreement, dated December 23, 1971, whereby the Manager, Gas Supply, Southern Union Gas Company, Fidelity Union Tower, Dallas, Texas 75201, awards \$1,600 for a study and report on climatography and air pollution in the El Paso-Juarez air shed during the period December 23, 1971 through January 5, 1972.

3. Letter Agreement, dated December 1, 1971, whereby the Vice President, El Paso Natural Gas Company, El Paso, Texas 79999 awards \$2,500 to put into operation a hearing conservation program which will include a training program for El Paso Natural Gas Company employees, maintenance of various pieces of speech and hearing center equipment and counseling services for a period of one year beginning February 1, 1972 and ending January 31, 1973.

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET

The following amendments to the 1971-72 budget are written on the basis of "budget rates" rather than the "freeze rates" resulting from the President's Executive Order. For the duration of the wage-price freeze, while reported amendments to the budget are based on budget rates, all payrolls are processed in compliance with the rules, regulations, and guidelines issued under authority of the Executive Order.

EDUCATIONAL AND GENERAL
GENERAL ADMINISTRATION AND STUDENT SERVICES
Office of the Registrar

1. Apoint Guillermina Mascarenas as Clerk-Typist effective January 24 through August 31, 1972, at an annual rate of \$3,348.00 with the necessary funds in the amount of \$2,025.00 to come from Unallocated Salaries. (RBC 253)

2. Appoint Brenda K. Cancellare as Clerk-Typist effective January 10 through August 31, 1972, at an annual rate of \$3,504.00 with the necessary funds in the amount of \$2,251.23 to come from Unallocated Salaries. (RBC 265)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (CONTINUED)EDUCATIONAL AND GENERAL (CONTINUED)GENERAL ADMINISTRATION AND STUDENT SERVICES (CONTINUED)Office of the Vice President for Student Affairs

3. Appoint Alvin D. Rivera as Assistant Dean of Students effective January 17 through August 31, 1972, at an annual rate of \$11,000.00 with the necessary funds in the amount of \$6,860.16 to come from Unallocated Salaries. (RBC 267)
4. Appoint Barbara J. Harrid as Secretary effective January 18 through August 31, 1972, at an annual rate of \$4,020.00 with the necessary funds in the amount of \$2,496.29 to come from Unallocated Salaries. (RBC 268)

Student Financial Aid and Placement

5. Appoint Cheryl A. Sampson as Clerk-Typist effective February 8 through August 31, 1972, at an annual rate of \$3,504.00 with the necessary funds in the amount of \$1,973.52 to come from Unallocated Salaries. (RBC 274)
6. Appoint Marlene L. Wagoner as Clerk-Typist effective February 8 through August 31, 1972, at an annual rate of \$3,504.00 with the necessary funds in the amount of \$1,973.52 to come from Unallocated Salaries. (RBC 275)

GENERAL INSTITUTIONAL EXPENSEDevelopment Office

7. Increase the annual rate of Bryan S. Jones, Assistant to the President, effective February 1, 1972 from \$15,600.00 to \$16,500.00 with the necessary funds in the amount of \$525.00 to come from Unallocated Salaries. (RBC 244)
8. Transfer of Funds:
- | | |
|--|----------|
| From: Wages | \$600.00 |
| To: Maintenance and Operation | 600.00 |
| For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 255) | |

Information Services

9. Increase the annual rate of Dale L. Walker, Director, effective February 1, 1972, from \$12,168.00 to \$13,068.00 with the necessary funds in the amount of \$525.00 to come from Unallocated Salaries. (RBC 245)

RESIDENT INSTRUCTIONSCHOOL OF BUSINESS ADMINISTRATIONBusiness

10. Remove Jesse F. Pickrell (tenure), Professor, from the budget. Dr. Pickrell died January 15, 1972. Funds in the amount of \$9,300.00 budgeted for this position have been lapsed to Unallocated Salaries. (RBC 247)
11. Reappoint Martha B. Garrison (non-tenure) as Instructor (1/2 Time) effective January 16, 1972 for the 1972 Spring Semester, at her full-time nine-months rate of \$4,800.00 with the necessary funds in the amount of \$1,200.00 to come from the appropriation for Instructors, Part-time. (RBC 249)
12. Reappoint Carl Johnson (non-tenure) as Instructor (1/2 Time) effective January 16, 1972 for the 1972 Spring Semester, at his full-time nine-months rate of \$4,800.00 with the necessary funds in the amount of \$1,200.00 to come from the appropriation for Instructors, Part-time. (RBC 250)
13. Reappoint Ruth E. Kern (non-tenure) as Instructor (1/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at her full-time nine-months rate of \$5,600.00 with the necessary funds in the amount of \$700.00 to come from the appropriation for Instructors, Part-time. (RBC 251)

SCHOOL OF EDUCATIONCurriculum and Instruction

14. Appoint Gloria Robinson (non-tenure) as Instructor effective January 16, 1972 for the 1972 Spring Semester, at a nine-months rate of \$7,500.00 with the necessary funds in the amount of \$3,750.00 to come from Instructors, Part-time in the amount of \$850.00 and in the amount of \$2,900.00 from Unallocated Salaries. (RBC 240)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (CONTINUED)EDUCATIONAL AND GENERAL (CONTINUED)SCHOOL OF EDUCATION (CONTINUED)Educational Administration

15. Appoint Lilia H. Valdez as Senior Secretary effective January 19 through August 31, 1972, at an annual rate of \$4,800.00 with the necessary funds in the amount of \$2,967.74 to come from Unallocated Salaries. (RBC 266)

SCHOOL OF LIBERAL ARTSArt

16. Appoint John W. Hogan (non-tenure) as Instructor (1/2 Time) effective January 16, 1972 for the 1972 Spring Semester, at a full-time nine-months rate of \$6,400.00 with the necessary funds in the amount of \$1,600.00 to come from the appropriation for Instructors, Part-time. (RBC 241)

English

17. Change the status of E. Haywood Antone (non-tenure) from Assistant Professor (Full-time) to Assistant Professor (1/2 Time) effective February 1, 1972 for the remainder of the 1972 Spring Semester, at his full-time nine-months rate of \$10,100.00 and lapse to Unallocated Salaries \$2,244.00 budgeted for this position. He will also serve as Director (1/2 Time) of Texas Western Press. (RBC 256)

History

18. Reappoint Michael H. Holcomb (non-tenure) as Lecturer (Visiting) (1/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at his full-time nine-months rate of \$13,100.00 with the necessary funds in the amount of \$1,638.00 to come from the appropriation for Teaching Assistants. He will also serve as Housing Assistant (1/4 Time) in the Director of Housing Department and Housing Assistant (1/4 Time) in Barry Hall. (RBC 259)

Mass Communication

19. Transfer of Funds:

From: Travel	\$135.00
To: Wages	135.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 277)	

Political Science

20. Transfer of Funds:

From: Unallocated Maintenance and Operation	\$1,000.00
To: Maintenance and Operation	1,000.00
For: Transfer between similar appropriations to provide funds for the department to cover the cost for moving expense and new furnishings for new departmental offices, plus charges for additional telephone service. (RBC 276)	

SCHOOL OF SCIENCEBiological Science

21. Reappoint Guy W. Johnson (non-tenure) as Teaching Assistant (1/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at his full-time nine-months rate of \$5,000.00 with the necessary funds in the amount of \$625.00 to come by transfer of dissimilar appropriations from Wages. (RBC 242)

Chemistry

22. Appoint Barbara Prater (non-tenure) as Instructor (1/4 Time) effective January 16, 1972 for the 1972 Spring Semester, at a full-time nine-months rate of \$8,000.00 with the necessary funds in the amount of \$1,000.00 to come from the appropriation for Teaching Assistants. (RBC 264)

1972 SUMMER SESSION

23. I recommend approval of the following proposed 1972 Summer Session Budget in the amount of \$914,507.00, which is within the appropriation for the summer session of \$921,290.00.

2173

THE UNIVERSITY OF TEXAS AT EL PASO

EL PASO, TEXAS

1972 SUMMER SESSION BUDGET

First Term: June 7 - July 14
Second Term: July 19 - August 25

RESIDENT INSTRUCTION

SCHOOL OF BUSINESS ADMINISTRATION

Accounting	\$ 21,884
Business	40,678
Economics and Finance	<u>28,581</u>
Total School of Business Administration	<u>\$ 91,143</u>

SCHOOL OF EDUCATION

Curriculum and Instruction	\$ 77,352
Educational Psychology and Guidance	44,387
Educational Administration	22,742
Health and Physical Education	<u>40,300</u>
Total School of Education	<u>\$184,781</u>

SCHOOL OF ENGINEERING

Civil Engineering	\$ 20,135
Electrical Engineering	33,650
Mechanical Engineering	19,367
Metallurgical Engineering	<u>19,506</u>
Total School of Engineering	<u>\$ 92,658</u>

SCHOOL OF LIBERAL ARTS

Art	\$ 20,568
Drama and Speech	27,001
English	96,582
History	39,503
Linguistics	14,095
Mass Communication	10,142
Modern Languages	50,177
Music	16,242
Philosophy	19,109
Political Science	42,066
Psychology	25,719
Sociology	<u>25,908</u>
Total School of Liberal Arts	<u>\$387,112</u>

SCHOOL OF SCIENCE

Biological Sciences	\$ 30,017
Chemistry	36,181
Geological Sciences	8,768
Mathematics	52,125
Physics	<u>31,722</u>
Total School of Science	<u>\$158,813</u>

TOTAL 1972 SUMMER SESSION BUDGET	<u>\$914,507</u>
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Summary of 1972 Summer Session Budget
(Elements of Institutional Costs)

RESIDENT INSTRUCTION

Faculty Salaries	\$914,507
Unallocated Faculty Salaries	<u>6,783</u>
Summer Session Appropriation in 1971-72 Budget	<u>\$921,290</u>

THE UNIVERSITY OF TEXAS AT EL PASOEL PASO, TEXAS1972 SUMMER SESSION BUDGET

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>RESIDENT INSTRUCTION</u>					
<u>SCHOOL OF BUSINESS ADMINISTRATION</u>					
<u>ACCOUNTING</u>					
Associate Professor					
			T \$ 2,133	\$ --	\$ 2,133
			Gerald R. Bovard		
			F. Brigg Flores	2,600	5,200
			Fayez S. Nourallah	--	2,667
			John G. Pate, Jr.	2,667	2,667
			Wilfrid F. Rylander	2,667	5,334
			Edward J. Sanders	1,983	1,983
Assistant Professor					
			T --	1,900	1,900
			Florence B. Buckner		
			<u>\$ 10,067</u>	<u>\$ 11,817</u>	<u>\$ 21,884</u>
<u>BUSINESS</u>					
Professor					
			T \$ 2,500	\$ --	\$ 2,500
			Allen O. Baylor		
			Lola B. Dawkins	--	2,483
			Everett G. Dillman	--	2,767
			Edward Y. George	3,017	3,017
			Wade J. Hartrick	2,350	4,700
			George Joyce	--	2,933
			Sherwood H. Peres	--	2,917
Associate Professor					
			T 2,417	2,417	4,834
			Lawrence P. Blanchard		
			Charles E. Stenicka	--	2,617
Assistant Professor					
\$ 1,042	\$ 1,042		T --	1,717	1,717
			Donald K. Freeland		
			T 1,042(1/2)	1,042(1/2)	2,084
			Arthur S. Gifford		
			Assistant Director, Bureau of Business and Economic Research (1/2 Time)		
<u>1,041</u>	<u>1,042</u>		Total Salary		
<u>\$ 2,083</u>	<u>\$ 2,084</u>		Grover V. Johnson	959(1/2)	2,876
\$ 1,083	\$ 1,083		Glenn L. Palmore	1,083(1/2)	2,166
			Director, Bureau of Business and Economic Research (1/2 Time)		
<u>1,083</u>	<u>1,084</u>		Total Salary		
<u>\$ 2,166</u>	<u>\$ 2,167</u>		T 1,750	--	1,750
			George C. Tompkins		
Instructor					
			1,317	--	1,317
			Gertrude W. Dawson		
			<u>\$ 28,093</u>	<u>\$ 12,585</u>	<u>\$ 40,678</u>
<u>ECONOMICS AND FINANCE</u>					
Professor					
			T \$ 3,017	\$ --	\$ 3,017
			Paul E. Fenlon		
			T 2,617	--	2,617
			John J. Hooker		
\$ 1,531	\$ 1,531		T 1,531(1/2)	1,531(1/2)	3,062
			John M. Richards Dean, School of Business Administration (1/2 Time)		
<u>1,531</u>	<u>1,532</u>		Total Salary		
<u>\$ 3,062</u>	<u>\$ 3,063</u>		T 2,767	2,767	5,534
			Paul D. Zook		

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>ECONOMICS AND FINANCE</u>					
<u>(Continued)</u>					
Associate Professor					
		Michael Brand	T \$ 2,050	\$ --	\$ 2,050
		Philip Duriez	T --	2,417	2,417
		Dilmus D. James	T --	1,967	1,967
Assistant Professor					
		Weldon C. Neill	T 1,983	--	1,983
		Timothy P. Roth	--	1,917	1,917
		Ben B. Tarwater	1,867	--	1,867
			--	2,150	2,150
			<u>\$ 15,832</u>	<u>\$ 12,749</u>	<u>\$ 28,581</u>
Total School of Business Administration			<u>\$ 53,992</u>	<u>\$ 37,151</u>	<u>\$ 91,143</u>
<u>SCHOOL OF EDUCATION</u>					
<u>CURRICULUM AND INSTRUCTION</u>					
Professor					
\$ 942	\$ 942	Lou E. Burmeister	T \$ 2,800	\$ --	\$ 2,800
		Richard W. Burns	T --	1,250(1/2)	1,250
		Alonzo N. Foster	T 942(1/2)	942(1/2)	1,884
		Professor, Educational Administration (1/2 Time)			
<u>942</u>	<u>942</u>	Total Salary			
<u>\$ 1,884</u>	<u>\$ 1,884</u>	Oscar T. Jarvis	T 1,475(1/2)	1,475(1/2)	2,950
<u>\$ 1,475</u>	<u>\$ 1,475</u>	Dean, School of Education (1/2 Time)			
<u>1,475</u>	<u>1,475</u>	Total Salary			
<u>\$ 2,950</u>	<u>\$ 2,950</u>	Jack H. Meadows	T 1,217(1/2)	1,217(1/2)	2,434
<u>\$ 1,217</u>	<u>\$ 1,217</u>	Professor, Educational Administration (1/2 Time)			
<u>1,217</u>	<u>1,217</u>	Total Salary			
<u>\$ 2,434</u>	<u>\$ 2,434</u>	Marion Rice (Visiting)	--	1,667(1/2)	1,667
Associate Professor					
		Seth J. Edwards	--	2,150	2,150
		Eldon E. Ekwall	T 2,250	1,125(1/2)	3,375
		Beulah M. Kidson	--	2,167	2,167
		Edgar W. Lichtenberger	1,067(1/2)	1,067(1/2)	2,134
\$ 1,000	\$ --	Thomas A. Mote (Visiting)	1,000(1/2)	--	1,000
		Associate Professor (Visiting), Educational Psychology and Guidance (1/2 Time)			
<u>1,000</u>	<u>--</u>	Total Salary			
<u>\$ 2,000</u>	<u>--</u>	Luiz F. Natalicio	T 2,167	2,167	4,334
		John P. Scarbrough	T 2,250	2,250	4,500
		Hilmar E. Wagner	T 2,050	2,050	4,100
			2,167	--	2,167
			--	2,000	2,000
			1,158(1/2)	--	1,158
			1,000(1/2)	--	1,000
Assistant Professor					
		Mary L. Aho	T 1,633	817(1/2)	2,450
		Stanley E. Ball	1,833	1,833	3,666
		Dennis L. Brown	917(1/2)	--	917
		Velma L. Davis	T 1,383	--	1,383
		Joe L. Klingstedt	1,933	967(1/2)	2,900
		Joseph W. Scruggs	T 850(1/2)	850(1/2)	1,700
		Hannah B. Selig	1,433	1,433	2,866
			933(1/2)	--	933
		(Visiting)			

Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>CURRICULUM AND INSTRUCTION</u>					
<u>(Continued)</u>					
Instructor					
		Elizabeth A. Grubb	\$ 1,500	\$ 1,500	\$ 3,000
		Gwendolyn H. Lawrence	--	1,417	1,417
		Florence W. Munn	T 1,450	1,450	2,900
		Frances H. Rice	1,250	1,250	2,500
		Gloria Robinson	1,250	625 (1/2)	1,875
		Angela J. Schroder	1,250	625 (1/2)	1,875
		Icle J. Stevens	T 1,533	1,533	3,066
Teaching Assistant					
			<u>417 (1/2)</u>	<u>417 (1/2)</u>	<u>834</u>
			<u>\$ 41,108</u>	<u>\$ 36,244</u>	<u>\$ 77,352</u>
<u>EDUCATIONAL PSYCHOLOGY AND GUIDANCE</u>					
Professor					
		James F. Day	T \$ 2,467	\$ 2,467	\$ 4,934
		Carl Walker	T 2,367	2,367	4,734
Associate Professor					
\$ 1,000	\$ --	Everett E. Davis	T 1,883	1,883	3,766
		Thomas A. Mote (Visiting)	1,000 (1/2)	--	1,000
		Associate Professor			
		(Visiting), Curriculum			
		and Instruction (1/2			
		Time)			
<u>1,000</u>	<u>--</u>	Total Salary			
<u>\$ 2,000</u>	<u>\$ --</u>	Jimmy R. Walker	T 2,210	2,210	4,420
		(Visiting)	2,000	2,000	4,000
		(Visiting)	2,000	2,000	4,000
		(Visiting)	2,000	2,000	4,000
		(Visiting)	--	2,000	2,000
Assistant Professor					
		Bonnie S. Brooks	T 1,963	1,963	3,926
		Richard Calkins	875 (1/2)	--	875
		Robert L. Slettedahl	1,883	1,883	3,766
Instructor					
		Nadine H. Prestwood	<u>1,483</u>	<u>1,483</u>	<u>2,966</u>
			<u>\$ 22,131</u>	<u>\$ 22,256</u>	<u>\$ 44,387</u>
<u>EDUCATIONAL ADMINISTRATION</u>					
H. Y. Benedict Professor					
\$ 1,875	\$ --	Joseph M. Ray	T \$ 1,875 (1/2)	\$ --	\$ 1,875
		H. Y. Benedict			
		Professor, Political			
		Science			
<u>1,875</u>	<u>3,750</u>	Total Salary			
<u>\$ 3,750</u>	<u>\$ 3,750</u>				
Professor					
\$ 942	\$ 942	William G. Barber	T 2,400	2,400	4,800
		Alonzo N. Foster	T 942 (1/2)	942 (1/2)	1,884
		Professor, Curriculum			
		and Instruction (1/2			
		Time)			
<u>942</u>	<u>942</u>	Total Salary			
<u>\$ 1,884</u>	<u>\$ 1,884</u>	Jack H. Meadows	T 1,217 (1/2)	1,217 (1/2)	2,434
<u>\$ 1,217</u>	<u>\$ 1,217</u>	Professor, Curriculum			
		and Instruction (1/2			
		Time)			
<u>1,217</u>	<u>1,217</u>	Total Salary			
<u>\$ 2,434</u>	<u>\$ 2,434</u>				

Supplemental Data

<u>First Term</u>	<u>Second Term</u>	<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>EDUCATIONAL ADMINISTRATION</u>				
<u>(Continued)</u>				
Associate Professor				
Thomas A. Arciniega		\$ 2,333	\$ 2,333	\$ 4,666
Roger L. Harrell (Visiting)		--	2,500	2,500
		1,833	--	1,833
		1,833	--	1,833
		--	917(1/2)	917
		<u>\$ 12,433</u>	<u>\$ 10,309</u>	<u>\$ 22,742</u>
<u>HEALTH AND PHYSICAL EDUCATION</u>				
Professor				
Donald H. Hardin	T	\$ 2,433	\$ 2,433	\$ 4,866
William H. Harris	T	2,417	2,417	4,834
James G. Mason	T	2,700	2,700	5,400
Associate Professor				
Benny W. Collins	T	2,400	2,400	4,800
Assistant Professor				
Kathleen P. Craigo	T	1,483	--	1,483
Jerry Freischlag		1,917	1,917	3,834
Florence L. Clardon	T	1,883	--	1,883
Brian J. Kelly	T	2,083	2,083	4,166
Mona H. Loper	T	1,767	1,767	3,534
John R. Poteet		1,900	1,900	3,800
Lecturer				
Noeline L. Kelly		--	1,700	1,700
		<u>\$ 20,983</u>	<u>\$ 19,317</u>	<u>\$ 40,300</u>
Total School of Education		<u>\$ 96,655</u>	<u>\$ 88,126</u>	<u>\$184,781</u>
<u>SCHOOL OF ENGINEERING</u>				
<u>CIVIL ENGINEERING</u>				
Professor				
Howard C. Applegate	T	\$ 1,417(1/2)	\$ 1,417(1/2)	\$ 2,834
Paul C. Hassler	T	2,050	2,050	4,100
William G. Henderson	T	--	2,367	2,367
Associate Professor				
Robert Coltharp	T	2,067	--	2,067
Hong S. Oey		1,225(1/2)	1,225(1/2)	2,450
David B. Rozendal	T	--	2,167	2,167
Phillip W. Young	T	1,983	--	1,983
Assistant Professor				
Anthony J. Tarquin		2,167	--	2,167
		<u>\$ 10,909</u>	<u>\$ 9,226</u>	<u>\$ 20,135</u>
<u>ELECTRICAL ENGINEERING</u>				
Professor				
Julius O. Kopplin	T	\$ 3,167	\$ 3,167	\$ 6,334
Joseph S. Lambert	T	2,900	--	2,900
Associate Professor				
Michael E. Austin	T	2,800	--	2,800
Glenn A. Gibson	T	2,550	--	2,550
Jack Smith	T	2,750	2,750	5,500
Assistant Professor				
Yu-Cheng Liu		--	2,000	2,000
Carlos McDonald	T	2,000	--	2,000
Gerald G. Maxwell		--	2,083	2,083
Joseph H. Pierluissi		--	2,267	2,267
Darrell C. Schroder		--	2,083	2,083
Frederick J. Taylor		2,333	--	2,333
Teaching Assistant				
		400(PT)	400(PT)	800
		<u>\$ 18,900</u>	<u>\$ 14,750</u>	<u>\$ 33,650</u>

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>MECHANICAL ENGINEERING</u>					
Professor					
		Ralph M. Coleman	T \$ 2,050	\$ --	\$ 2,050
		Kenneth S. Edwards, Jr.	T --	2,417	2,417
		John M. Levosky	T 2,733	2,733	5,466
		John A. Whitacre	T --	2,450	2,450
Associate Professor					
		Sachindranarayan Bhaduri	T --	2,250	2,250
		Jack A. Dowdy	T 2,567	--	2,567
Assistant Professor					
		William L. Craver, Jr.	2,167	--	2,167
			<u>\$ 9,517</u>	<u>\$ 9,850</u>	<u>\$ 19,367</u>
<u>METALLURGICAL ENGINEERING</u>					
Professor					
\$ 1,719	\$ 1,719	Ray W. Guard	T \$ 1,719(1/2)	\$ 1,719(1/2)	\$ 3,438
		Dean, School of Engineering (1/2 Time)			
<u>1,719</u>	<u>1,719</u>	Total Salary			
<u>\$ 3,438</u>	<u>\$ 3,438</u>				
		Donald P. Kedzie	T 2,917	2,917	5,834
		Joseph C. Rintelen	T 2,317	--	2,317
Associate Professor					
		Henry P. Ehrlinger	T 2,067	--	2,067
		Frank E. Rizzo	T 2,567	--	2,567
		Walter R. Roser	T 2,483	--	2,483
Teaching Assistant					
			800	--	800
			<u>\$ 14,870</u>	<u>\$ 4,636</u>	<u>\$ 19,506</u>
Total School of Engineering			<u>\$ 54,196</u>	<u>\$ 38,462</u>	<u>\$ 92,658</u>
<u>SCHOOL OF LIBERAL ARTS</u>					
<u>ART</u>					
Professor					
		Clarke H. Garnsey	T \$ 2,733	\$ 2,733	\$ 5,466
		Wiltz A. Harrison	T --	2,450	2,450
		Robert J. Massey	T --	2,450	2,450
Associate Professor					
		Allen E. DePagter	T 2,317	--	2,317
Assistant Professor					
		John C. Arnold	1,667	--	1,667
		Sally M. Bishop	1,567	--	1,567
		Ellen W. Coogler	T --	1,517	1,517
		Loren G. Janzen	1,567	--	1,567
Instructor					
		David L. Deming	1,567	--	1,567
			<u>\$ 11,418</u>	<u>\$ 9,150</u>	<u>\$ 20,568</u>
<u>DRAMA AND SPEECH</u>					
Professor					
		Robert M. Leech	T \$ 3,750	\$ --	\$ 3,750
		Harold N. Williams	T 2,733	2,733	5,466
		Gifford W. Wingate	T 2,567	2,567	5,134
Associate Professor					
		Joseph A. Perozzi	2,250	2,250	4,500
Assistant Professor					
		Charles L. Etheridge	T --	1,800	1,800
		Clarice M. Jones	T 1,817	--	1,817
		James H. Tucker	T 1,817	--	1,817

Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>DRAMA AND SPEECH (Continued)</u>					
Instructor					
		Madeline Brand	\$ 1,467	\$ --	\$ 1,467
		Joe E. Smith	1,250	--	1,250
			<u>\$ 17,651</u>	<u>\$ 9,350</u>	<u>\$ 27,001</u>
<u>ENGLISH</u>					
Professor					
		Haldeen Braddy	T \$ 2,850	\$ --	\$ 2,850
		Robert M. Burlingame	T --	2,417	2,417
		Joseph L. Leach	T 2,817	2,817	5,634
\$ 1,500	\$ 1,500	Ray Small	T 1,500(1/2)	1,500(1/2)	3,000
		Dean, School of Liberal Arts (1/2 Time)			
<u>1,500</u>	<u>1,500</u>	Total Salary			
<u>\$ 3,000</u>	<u>\$ 3,000</u>	John O. West	T 2,750	2,750	5,500
Associate Professor					
		James M. Day	T 2,383	2,383	4,766
		Joseph H. James	T --	2,017	2,017
		Robert E. Richeson	T 2,150	2,150	4,300
		Tony J. Stafford	T 2,133	2,133	4,266
		Walter F. Taylor, Jr.	T 2,250	2,250	4,500
		Jon M. White	T 1,900	--	1,900
Assistant Professor					
		Francis A. Ehmann	T 1,833	--	1,833
		Francis L. Fugate	1,650	--	1,650
		William R. Lacey	T 1,833	--	1,833
		James K. Mortensen	T 1,817	1,817	3,634
		Philip D. Ortego	1,800	1,800	3,600
		Joan P. Quarm	T 1,800	--	1,800
		Pearl M. Waddell	T 1,817	--	1,817
Instructor					
		James T. Bratcher	--	1,600	1,600
		Holly L. Cabarrus	1,250	--	1,250
		Donald F. Castro	1,500	1,500	3,000
		Mary E. Corn	1,267	--	1,267
		Delle F. Dowell	1,433	--	1,433
\$ 709	\$ 709	Charles C. Elerick	709(1/2)	709(1/2)	1,418
		Instructor, Linguistics (1/2 Time)			
<u>709</u>	<u>709</u>	Total Salary			
<u>\$ 1,418</u>	<u>\$ 1,418</u>	Robert M. Esch	1,500	1,500	3,000
		Billie W. Etheridge	1,483	1,483	2,966
		Clenda E. Gill	1,433	1,433	2,866
		Stephen Justice	T 1,417	1,417	2,834
		Pauline Kiska	1,600	--	1,600
		Deane Mansfield	--	1,250	1,250
		Maureen A. Potts	1,317	--	1,317
\$ 700	\$ 700	Charles F. Springstead	700(1/2)	700(1/2)	1,400
		Instructor, Linguistics (1/2 Time)			
<u>--</u>	<u>700</u>	Total Salary			
<u>\$ 700</u>	<u>\$ 1,400</u>	Dorothy J. Stroud	1,333	--	1,333
		Ruth E. Vise	1,333	--	1,333
		Carlene A. Walker	1,400	--	1,400
			1,333	1,333	2,666
			1,333	1,333	2,666
			<u>1,333</u>	<u>1,333</u>	<u>2,666</u>
			<u>\$ 56,957</u>	<u>\$ 39,625</u>	<u>\$ 96,582</u>

Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>HISTORY</u>					
Professor					
		Wayne E. Fuller	T \$ 2,800	\$ 2,800	\$ 5,600
		Oliver H. Knight	T 2,700	2,700	5,400
		John H. McNeely	T 2,167	2,167	4,334
		Kenneth B. Shover	T --	2,483	2,483
Associate Professor					
		Laurens Perry (Visiting)	2,167	2,167	4,334
Assistant Professor					
		John M. Broaddus	T 1,700	1,700	3,400
		Eugene E. Kuzirian	T 1,833	--	1,833
		John Van Til (Visiting)	1,750	--	1,750
		Ralph H. Vigil	2,167	--	2,167
		Marina Wikramanayake (Visiting)	--	1,667	1,667
Instructor					
		Alexander B. Burke	--	1,533	1,533
		Philip E. Isett	1,633	1,633	3,266
Teaching Assistant					
		John Douglass	434(1/2)	434(1/2)	868
		Charles Santaguida	--	434(1/2)	434
		Charles Wilson	434(1/2)	--	434
			<u>\$ 19,785</u>	<u>\$ 19,718</u>	<u>\$ 39,503</u>
<u>LINGUISTICS</u>					
Professor					
		Edward L. Blansitt	T \$ --	\$ 2,333	\$ 2,333
		Raymond E. Past	T 2,750	2,750	5,500
\$ --	\$ 1,350	John M. Sharp	T --	1,350(1/2)	1,350
		Professor, Modern Languages (1/2 Time)			
<u>--</u>	<u>1,350</u>	Total Salary			
<u>\$ --</u>	<u>\$ 2,700</u>				
Assistant Professor					
\$ 917	\$ --	Diana S. Natalicio (Visiting)	917(1/2)	--	917
		Assistant Professor (Visiting), Modern Languages (1/2 Time)			
<u>917</u>	<u>--</u>	Total Salary			
<u>\$ 1,834</u>	<u>\$ --</u>				
Instructor					
\$ 709	\$ 709	Charles G. Elerick	709(1/2)	709(1/2)	1,418
		Instructor, English (1/2 Time)			
<u>709</u>	<u>709</u>	Total Salary			
<u>\$ 1,418</u>	<u>\$ 1,418</u>				
\$ 584	\$ 584	Richard L. Hayden	584(1/2)	584(1/2)	1,168
		Instructor, Modern Languages (1/2 Time)			
<u>584</u>	<u>584</u>	Total Salary			
<u>\$ 1,168</u>	<u>\$ 1,168</u>				
\$ 709	\$ --	Karen G. Ramirez	709(1/2)	--	709
		Instructor, Sociology (1/2 Time)			
<u>709</u>	<u>--</u>	Total Salary			
<u>\$ 1,418</u>	<u>\$ --</u>				
\$ --	\$ 700	Charles F. Springstead	--	700(1/2)	700
		Instructor, English (1/2 Time)			
<u>700</u>	<u>700</u>	Total Salary			
<u>\$ 700</u>	<u>\$ 1,400</u>				
			<u>\$ 5,669</u>	<u>\$ 8,426</u>	<u>\$ 14,095</u>

Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>MASS COMMUNICATION</u>					
		Professor			
		John J. Middagh	T \$ --	\$ 2,167	\$ 2,167
		Assistant Professor			
		John I. Siqueiros	2,250	2,250	4,500
		Instructor			
		Dallas A. Brown	1,000	--	1,000
		John Chapman	--	858(3/4)	858
		Luis Perez	1,617	--	1,617
			<u>\$ 4,867</u>	<u>\$ 5,275</u>	<u>\$ 10,142</u>
<u>MODERN LANGUAGES</u>					
		Professor			
		George W. Ayer	T \$ 2,883	\$ 2,883	\$ 5,766
		Caleb A. Bevans	T 2,367	--	2,367
		Edgar T. Ruff	T --	2,483	2,483
\$ --	\$ 1,350	John M. Sharp	T --	1,350(1/2)	1,350
		Professor, Linguistics (1/2 Time)			
--	1,350	Total Salary			
<u>\$ --</u>	<u>\$ 2,700</u>				
		Associate Professor			
		Chester C. Christian	T --	2,317	2,317
		Ralph W. Ewton, Jr.	T --	2,217	2,217
		William M. Russell	T 2,483	--	2,483
		Robert L. Tappan	T 2,200	--	2,200
		William F. Webb	T 1,817	--	1,817
		Assistant Professor			
		Gloria C. Astiazaran	--	1,783	1,783
		Jack S. Bailey	T 1,667	--	1,667
		Fred M. Brewer	T 1,783	--	1,783
		Dean L. Castle	1,717	--	1,717
\$ 917	\$ --	Diana S. Natalicio (Visiting) Assistant Professor (Visiting), Linguistics (1/2 Time)	917(1/2)	--	917
917	--	Total Salary			
<u>\$ 1,834</u>	<u>\$ --</u>				
		Arturo Perez	1,750	--	1,750
		Fermin Rodriguez	T 1,750	--	1,750
		Emma G. Scruggs	T --	1,600	1,600
		John L. Walker	--	1,733	1,733
		Instructor			
		Howard W. Baldwin	--	1,400	1,400
		María E. Garcia	--	1,125(3/4)	1,125
		Stuart W. Goldberg	--	1,417	1,417
\$ 584	\$ 584	Richard L. Hayden	584(1/2)	584(1/2)	1,168
		Instructor, Linguistics (1/2 Time)			
584	584	Total Salary			
<u>\$ 1,168</u>	<u>\$ 1,168</u>				
		Eugenia S. Johnson	1,450	--	1,450
		Frederick J. Kluck	1,650	--	1,650
		Richard L. Landy	--	1,433	1,433
		Alfredo Ortega	--	1,417	1,417
		Wilhelmina Thomas	1,417	--	1,417
			<u>\$ 26,435</u>	<u>\$ 23,742</u>	<u>\$ 50,177</u>
<u>MUSIC</u>					
		Professor			
		Olav E. Eidbo	T \$ --	\$ 2,617	\$ 2,617
		Associate Professor			
		Harold L. Hillyer	T --	2,217	2,217
		Lynn M. Thayer	T 2,050	--	2,050

Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>MUSIC (Continued)</u>					
Assistant Professor					
		Hugh F. Cardon	T \$ --	\$ 1,833	\$ 1,833
		Marcia T. Fountain	--	792(1/2)	792
		Arryl S. Paul	1,800	--	1,800
		Charles R. Stanley	1,800	--	1,800
Instructor					
		Rudolf O. Inselmann	--	1,533	1,533
			800(PT)	800(PT)	1,600
			<u>\$ 6,450</u>	<u>\$ 9,792</u>	<u>\$ 16,242</u>
<u>PHILOSOPHY</u>					
H. Y. Benedict Professor					
		Patrick Romanell	T \$ 3,250	\$ --	\$ 3,250
Professor					
		John H. Haddox	T 2,800	2,800	5,600
Associate Professor					
		William C. Springer	1,967	--	1,967
Assistant Professor					
		Federico Ferro	1,333	1,333	2,666
		David L. Hall	1,933	967(1/2)	2,900
		Peter Robinson	909(1/2)	1,817	2,726
			<u>\$ 12,192</u>	<u>\$ 6,917</u>	<u>\$ 19,109</u>
<u>POLITICAL SCIENCE</u>					
\$ 1,875	\$ 3,750	H. Y. Benedict Professor			
		Joseph M. Ray	T \$ 1,875(1/2)	\$ 3,750	\$ 5,625
		H. Y. Benedict Professor, Educational Administration (1/2 Time)			
<u>1,875</u>	<u>--</u>	Total Salary			
<u>\$ 3,750</u>	<u>\$ 3,750</u>				
Professor					
\$ 1,532	\$ 1,532	Kenneth E. Beasley	T 1,532(1/2)	1,532(1/2)	3,064
		Dean, Graduate School (1/2 Time)			
<u>1,531</u>	<u>1,532</u>	Total Salary			
<u>\$ 3,063</u>	<u>\$ 3,064</u>				
		Melvin P. Straus	T 2,050	2,050	4,100
Associate Professor					
		Joseph B. Graves	T 2,183	--	2,183
		Edward A. Leonard	T 2,167	2,167	4,334
		Howard D. Neighbor	T 2,200	2,200	4,400
		Robert L. Peterson	T 2,067	2,067	4,134
Assistant Professor					
		Charles R. Bath	T 1,850	1,850	3,700
		John A. Hovel	T 1,467	1,467	2,934
		James W. Lamare	1,650	1,650	3,300
		Thomas J. Price	1,750	1,750	3,500
Instructor					
		Philip H. Bethune	792(1/2)	--	792
			<u>\$ 21,583</u>	<u>\$ 20,483</u>	<u>\$ 42,066</u>
<u>PSYCHOLOGY</u>					
Professor					
		Edmund B. Coleman	T \$ 1,459(1/2)	\$ 2,917	\$ 4,376
		Phillip Himelstein	T 2,950	1,475(1/2)	4,425
Associate Professor					
		Guido A. Barrientos	T 1,125(1/2)	1,125(1/2)	2,250
		James V. Devine	T --	2,167	2,167
		Gerald R. Miller	T 1,125(1/2)	2,250	3,375
		Randolph H. Whitworth	T 2,417	2,417	4,834

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>PSYCHOLOGY (Continued)</u>					
Assistant Professor					
		William G. Lucker	T \$ 1,750	\$ 875(1/2)	\$ 2,625
		Paul I. Williams	1,667	--	1,667
			<u>\$ 12,493</u>	<u>\$ 13,226</u>	<u>\$ 25,719</u>
<u>SOCIOLOGY</u>					
Professor					
		Winfred G. Steglich	T \$ 3,133	\$ 3,133	\$ 6,266
		Ellwyn R. Stoddard	T 2,600	2,600	5,200
Associate Professor					
		David B. Eyde	T --	2,250	2,250
		Paul W. Goodman	T 2,100	2,100	4,200
		Robert S. Hiatt	T 2,167	--	2,167
Assistant Professor					
		Leobardo Estrada (Visiting)	--	2,000	2,000
Instructor					
		Robert R. Brischetto	1,533	--	1,533
		James E. Hamby	--	1,583	1,583
\$ 709	\$ --	Karen G. Ramirez	709(1/2)	--	709
		Instructor, Linguistics (1/2 Time)			
709	--	Total Salary			
<u>\$ 1,418</u>	<u>\$ --</u>		<u>\$ 12,242</u>	<u>\$ 13,666</u>	<u>\$ 25,908</u>
Total School of Liberal Arts			<u>\$207,742</u>	<u>\$179,370</u>	<u>\$387,112</u>
<u>SCHOOL OF SCIENCE</u>					
<u>BIOLOGICAL SCIENCES</u>					
Professor					
		Albert G. Canaris	T \$ 3,217	\$ 3,217	\$ 6,434
		Curtis E. Eklund	T 2,333	--	2,333
		Arthur H. Harris	T 2,250	--	2,250
		James B. Reeves	T 1,425(1/2)	--	1,425
		Gordon W. Robertstad	T --	2,500	2,500
Associate Professor					
		Peter S. Chrapliwy	T 1,967	1,967	3,934
		Jerry D. Hunter	T --	1,933	1,933
		John S. Williams	T 1,933	--	1,933
Assistant Professor					
		John R. Bristol	--	921(1/2)	921
		Joanne T. Ellzey	T 900(1/2)	--	900
		Charles E. Freeman	T --	1,975	1,975
		Elizabeth C. Manning	T 1,700	850(1/2)	2,550
		Richard D. Worthington	T 929(1/2)	--	929
			<u>\$ 16,654</u>	<u>\$ 13,363</u>	<u>\$ 30,017</u>
<u>CHEMISTRY</u>					
Professor					
		Harold E. Alexander	T \$ 2,500	\$ 2,500	\$ 5,000
		Michael I. Davis	T 2,500	2,500	5,000
		Jesse A. Hancock	T 1,167(1/2)	1,167(1/2)	2,334
		Leonard S. Levitt	T 2,367	--	2,367
		Cyril Parkanyi	T 596(1/4)	596(1/4)	1,192
\$ 1,625	\$ 1,625	James W. Whalen	T 1,625(1/2)	1,625(1/2)	3,250
		Dean, School of Science (1/2 Time)			
1,625	1,625	Total Salary			
<u>\$ 3,250</u>	<u>\$ 3,250</u>				
Associate Professor					
		William R. Cabaness	T 1,600(3/4)	1,600(3/4)	3,200
		Winston D. Lloyd	T 1,725(3/4)	1,725(3/4)	3,450

Supplemental Data

<u>First Term</u>	<u>Second Term</u>		<u>First Term</u>	<u>Second Term</u>	<u>Total</u>
<u>CHEMISTRY (Continued)</u>					
Assistant Professor					
		Michael P. Eastman	\$ 458(1/4)	\$ --	\$ 458
		Marion L. Ellzey	--	513(1/4)	513
		Keith H. Pannell	1,967	1,967	3,934
		Keith B. Prater	479(1/4)	--	479
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
			417(1/2)	417(1/2)	834
			<u>417(1/2)</u>	<u>417(1/2)</u>	<u>834</u>
			<u>\$ 19,486</u>	<u>\$ 16,695</u>	<u>\$ 36,181</u>
<u>GEOLOGICAL SCIENCES</u>					
Associate Professor					
		David V. LeMone	T \$ 2,067	\$ --	\$ 2,067
		Earl M. Lovejoy	T 2,183	--	2,183
Assistant Professor					
		Gerald E. Mueller	--	1,767	1,767
		Robert H. Schmidt	T 1,917	--	1,917
Teaching Assistant					
			417(1/2)	417(1/2)	834
			<u>\$ 6,584</u>	<u>\$ 2,184</u>	<u>\$ 8,768</u>
<u>MATHEMATICS</u>					
Professor					
		Delmar L. Boyer	T \$ 2,483	\$ 1,242(1/2)	\$ 3,725
		William J. Leahey	T 2,967	--	2,967
Associate Professor					
		Charles H. Gladman	T --	2,217	2,217
		Carl E. Hall	T 2,583	2,583	5,166
		James E. Nymann	T 2,383	--	2,383
		Frederick B. Strauss	T 2,450	2,450	4,900
Assistant Professor					
		Frederick H. Bailey	T 1,883	942(1/2)	2,825
		William J. Dodge	1,817	--	1,817
		Joe W. Fitzpatrick	T --	1,833	1,833
		Rex E. Fox	T --	1,800	1,800
		James M. Gray	1,750	--	1,750
		Lawrence Huntley	T --	1,717	1,717
		Clinton E. Kennel	1,833	--	1,833
		Orville C. Kruschwitz	T --	1,667	1,667
		Kennith W. Lopp	2,050	--	2,050
		Bernard Martin-Williams	T 1,667	--	1,667
		Vladik A. Miculka	T --	1,800	1,800
		John A. Narvarte	1,750	--	1,750
		Charles W. Neville	1,833	--	1,833
		Jesus R. Provencio	--	900(1/2)	900
\$ --	\$ 900	Assistant Professor, Physics (1/2 Time)			
--	900	Total Salary			
<u>\$ --</u>	<u>\$ 1,800</u>	Eugene F. Schuster	2,350	1,175(1/2)	3,525
		Vilappakkam K. Srinivasan	--	2,000	2,000
			<u>\$ 29,799</u>	<u>\$ 22,326</u>	<u>\$ 52,125</u>
<u>PHYSICS</u>					
Professor					
		Thomas G. Barnes	T \$ 2,633	\$ --	\$ 2,633
		Robert G. McIntyre	T 2,500	--	2,500
		Oscar H. McMahan	T --	2,467	2,467

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>PHYSICS (Continued)</u>					
Associate Professor					
			T \$ 1,059(1/2)	\$ 1,059(1/2)	\$ 2,118
		Michael H. Blue	T 2,400	2,400	4,800
		Donald E. Bowen	T 2,317	2,317	4,634
		Samuel J. Brient, Jr.	T 2,367	2,367	4,734
		Rufus E. Bruce	T 2,217	2,217	4,434
		Eugene A. Dean			
		Assistant Professor			
\$ --	\$ 900	Jesus R. Provencio	T --	900(1/2)	900
		Assistant Professor,			
	900	Mathematics (1/2 Time)			
<u>\$ --</u>	<u>\$ 1,800</u>	Total Salary			
		Teaching Assistant			
		_____	417(1/2)	417(1/2)	834
		_____	417(1/2)	417(1/2)	834
		_____	417(1/2)	417(1/2)	834
			<u>\$ 16,744</u>	<u>\$ 14,978</u>	<u>\$ 31,722</u>
		Total School of Science	<u>\$ 89,267</u>	<u>\$ 69,546</u>	<u>\$158,813</u>
		Total 1972 Summer Session Budget	<u>\$501,852</u>	<u>\$412,655</u>	<u>\$914,507</u>

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (CONTINUED)EDUCATIONAL AND GENERAL (CONTINUED)ORGANIZED RESEARCHBureau of Business and Economic Research

24. Accept the resignation of Everett G. Dillman, Director, effective January 15, 1972 and lapse to Unallocated Salaries \$2,767.00 budgeted for this position. He will return to full-time teaching. (RBC 262)

25. Appoint Glenn L. Palmore as Director (1/2 Time) effective January 16, 1972 through August 31, 1972. He is paid through May 31, 1972 at his full-time nine-months rate of \$13,000.00 as Assistant Professor from the Department of Business. Funds in the amount of \$2,167.00 for the period June 1 through August 31, 1972 will come from Unallocated Salaries. (RBC 263)

OPERATION AND MAINTENANCE OF PHYSICAL PLANTGeneral Services

26. Reclassify William K. Neely from Clerk to Senior Clerk effective January 1, 1972 and adjust his annual rate from \$3,828.00 to \$4,200.00 with the necessary funds in the amount of \$248.00 to come by transfer between departments from Building Maintenance salaries in the amount of \$30.36 and \$217.64 from Unallocated Salaries. (RBC 243)

CONTRACT RESEARCH AND SERVICESOEO Grant CG 8669 E/O - High School Equivalency Program - 5th Year

27. Increase the annual rate of Salvador P. Acosta, Head Resident Counselor, from \$5,700.00 to \$6,780.00 effective March 1, 1972 with the necessary funds in the amount of \$540.00 to come from budgeted salaries for this grant. (RBC 278)

HEW Grant 20-P-3007/6-03 - Undergraduate Social Work

28. Reappoint Dorothy N. Lee as Assistant Professor (1/4 Time) effective January 16 through May 31, 1972, at her full-time annual rate of \$14,667.00 with the necessary funds in the amount of \$1,379.95 to come from budgeted salaries for this grant. (RBC 269)

HEW Grant OEG-0-714339 - UTEP/Special Services Program for Student Assistance

29. Appoint David Morales as Tutorial Coordinator effective December 17, 1971 through June 30, 1972, at an annual rate of \$9,000.00 with the necessary funds in the amount of \$4,862.90 to come from budgeted salaries for this grant. (RBC 228)

El Paso Council of Governments - Regional Law Enforcement Training

30. Appoint Edward A. Farris as Assistant Project Director (1/2 Time) effective January 16 through May 31, 1972, at a full-time nine-months rate of \$16,000.00 as Professor (Visiting) in the Department of Political Science, with the necessary funds in the amount of \$4,000.00 to come from budgeted salaries for this grant. (RBC 273)

Air Force Contract F29601-71-C-0028 - Assessment of Visual Acuity

31. Reappoint Paul V. Garcia as Research Scientist effective January 1 through February 29, 1972, at his annual rate of \$10,800.00 with the necessary funds in the amount of \$1,800.00 to come from budgeted salaries for this contract. (RBC 279)

32. Reappoint Zane M. Fractor as Research Assistant effective January 1 through February 29, 1972, at his annual rate of \$8,400.00 with the necessary funds in the amount of \$1,400.00 to come from budgeted salaries for this contract. (RBC 280)

33. Reappoint Guy M. Crook, II as Assistant Research Scientist effective January 1 through February 29, 1972, at his annual rate of \$9,840.00 with the necessary funds in the amount of \$1,640.00 to come from budgeted salaries for this contract. (RBC 281)

34. Reappoint Paul R. Krausman as Research Assistant (1/2 Time) effective January 1 through February 29, 1972, at his full-time annual rate of \$6,000.00 with the necessary funds in the amount of \$500.00 to come from budgeted salaries for this contract. (RBC 282)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (CONTINUED)EDUCATIONAL AND GENERAL (CONTINUED)CONTRACT RESEARCH AND SERVICES (CONTINUED)Air Force Contract F29601-71-C-0028 - Assessment of Visual Acuity (Continued)

35. Reappoint Charles Link as Research Assistant effective January 1 through February 29, 1972, at his annual rate of \$6,600.00 with the necessary funds in the amount of \$1,100.00 to come from budgeted salaries for this contract. (RBC 283)

36. Reappoint Dolores R. Salas as Research Assistant effective January 1 through February 29, 1972, at her annual rate of \$7,560.00 with the necessary funds in the amount of \$1,260.00 to come from budgeted salaries for this contract. (RBC 284)

37. Appoint Douglas J. McMillan as Research Assistant effective January 3 through February 29, 1972, at an annual rate of \$5,400.00 with the necessary funds in the amount of \$870.97 to come from budgeted salaries for this contract. (RBC 285)

OTHER RESTRICTED CURRENT FUNDSCorporation for Public Broadcasting Grant - Mass Communications

38. Increase the annual rate of Louis H. Valles, Operations Manager, Radio Station KTEP, effective February 1, 1972 from \$4,800.00 to \$5,880.00 with the necessary funds in the amount of \$630.00 to come from the Corporation for Public Broadcasting Grant - Mass Communication account. (RBC 246)

AUXILIARY ENTERPRISESIntercollegiate Athletics

39. Appoint James F. Eddy as Assistant Football Coach effective February 1 through August 31, 1972, at an annual rate of \$14,000.00 with the necessary funds in the amount of \$8,166.62 to come from budgeted salaries for this department. (RBC 258)

40. Appoint Tommy J. Hudspeth as Assistant Football Coach effective February 1 through August 31, 1972, at an annual rate of \$15,000.00 with the necessary funds in the amount of \$8,750.00 to come from budgeted salaries for this department. (RBC 272)

Housing System - Barry Hall

41. Reappoint Michael H. Holcomb as Housing Assistant (1/4 Time) effective January 16 through August 31, 1972, at his full-time annual rate of \$7,270.00 with the necessary funds in the amount of \$1,138.42 to come from budgeted salaries for this department. He will receive room and board valued at \$110.00 per month. He will also serve as Lecturer (Visiting) (1/4 Time) in the Department of History and Housing Assistant (1/4 Time) in the Office of the Director of Housing. (RBC 261)

Housing System - Director of Housing

42. Reappoint Michael H. Holcomb as Housing Assistant (1/4 Time) effective January 16 through August 31, 1972, at his full-time annual rate of \$7,270.00 with the necessary funds in the amount of \$1,138.42 to come from budgeted salaries for this department. He will also serve as Lecturer (Visiting) (1/4 Time) in the Department of History and Housing Assistant (1/4 Time) in Barry Hall. (RBC 260)

Texas Western Press

43. Appoint Carl Hertzog as Advisor (1/3 Time) effective February 1 through August 31, 1972, at a full-time annual rate of \$19,000.00 with the necessary funds in the amount of \$3,694.39 to come from budgeted salaries for this department. (RBC 254)

SERVICE DEPARTMENTSPrinting Division

44. Accept the resignation for retirement of James E. Davis, Jr., Manager, Printing Division, effective at noon February 22, 1972. Budgeted funds for this position in the amount of \$6,571.55 are lapsed to Printing Division - Balance. (RBC 270)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET (CONTINUED)EDUCATIONAL AND GENERAL (CONTINUED)SERVICE DEPARTMENTS (CONTINUED)Printing Division (Continued)

45. Appoint Mayo Cleveland as Director, Printing Division, effective January 21 through August 31, 1972, at an annual rate of \$10,000.00 with the necessary funds in the amount of \$6,129.01 to come from budgeted salaries for this department. (RBC 271)

PLANT FUNDS - UNEXPENDEDCombined Fee Revenue Bonds - Interest on Time Deposits

46. Appropriate \$1,485.00 for Repairs to Swimming Pool. (RBC 252)

OTHER FISCAL ITEMSAuxiliary Enterprises

47. Transfer of Funds:

From:

No. 285-00-000-00 \$164,520

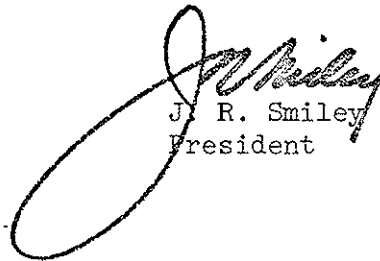
No. 286-00-000-00 386,554

To:

No. 250-90-950-00 \$386,554

No. 281-90-950-00 164,520

Sincerely,



J. R. Smiley
President

THE UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, Texas

March 24, 1972

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

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin on April 29, 1972:

MEMBERSHIP ON THE GRADUATE FACULTY

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

Dr. James V. Cornehl, Institute of Urban Studies
 Dr. John L. Fry, Department of Physics
 Dr. Paul N. Geisel, Institute of Urban Studies
 Dr. Roy S. Rubins, Department of Physics

BUSINESS CONTRACTS

I recommend ratification of a contract between Texas Student Services Corporation and The University of Texas at Arlington whereby T. S. S. C. agrees to furnish to The University of Texas at Arlington 5000 copies of the student directory at no cost to the University.

CHANGE IN ADMISSION TESTING REQUIREMENTS

I recommend approval of a change in the Catalog of The University of Texas at Arlington reflecting the following modification of admission testing requirements:

- A. Effective with the fall semester 1972, the Achievement Tests portion of the College Entrance Examination Board Tests shall no longer be required as a condition for admission; however, specific achievement tests may be required for placement in certain degree programs.
- B. Effective with the fall semester of 1972, the Director of Admissions shall have authority to waive the test requirements for the admission of students who are 25 years of age or older.

We also recommend approval of the following change in the Catalog:

Effective with the fall semester 1972, The University of Texas at Arlington will adopt the four point system of determining grade point averages.

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.

PROJECTS SUPPORTED BY NON-FEDERAL SPONSORS:

1. Sub-Grant Number 72 060 001, between the Coordinating Board, Texas College and University System, and The University of Texas at Arlington whereby \$20,000 is granted for a project entitled "Local Government Advisory Service Program," submitted by Jay Stanford. The grant is for the period January 14, 1972, to June 30, 1973.
2. New Grant No. Y-484 by The Robert A. Welch Foundation to Dr. A. L. Ternay in the amount of \$24,000 for a project entitled "Magnetic and Spectral Studies of Alkylated Thioxanthenes and Their Oxides."
3. New Grant No. Y-488 by The Robert A. Welch Foundation to Dr. Edward Bellion in the amount of \$45,000 for a project entitled "Biosynthesis of Thiamine."
4. Renewal Grant No. Y-307 by The Robert A. Welch Foundation to Dr. Robert F. Francis in the amount of \$10,000 for a project entitled "Synthesis and Electrophilic Aromatic Substitution Reactions of Alkylpyridines."

GOVERNMENT SUPPORTED PROJECTS

1. Grant GZ-2507 by the National Science Foundation under the 1972 National Science Foundation Graduate Traineeship Program. The grant in the amount of \$5,875 will be under the direction of Dr. W. A. Baker, Graduate Dean.

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGETGENERAL ADMINISTRATIONPersonnel Office

1. Transfer of Funds:

From: Travel \$400.
 To: Wages Hourly \$400.
 For: Needed to pay wages for three student workers for
 the remainder of the fiscal year.

(RBC #235)

LIBERAL ARTSDepartment of Architecture

2. Transfer of Funds:

From: Travel \$800.
 To: Maintenance
 and Operation \$800.
 For: Essential Maintenance and Operation expenses have
 exceeded the budget. Travel anticipated for program
 development can be postponed.

(RBC #242)

Department of Foreign Languages and Linguistics

3. Transfer of Funds:

From: Maintenance
 and Operation \$44.
 To: Travel \$44.
 For: Additional travel funds necessitated by payment of new
 per diem rates for out-of-state trips. Original travel
 budget did not anticipate this change.

(RBC #234)

Department of Psychology

4. Grant Leave of Absence without pay to James D. Phillips (Tenure), Associate Professor with academic rate of \$11,800, effective January 16, 1972.

(RBC #240)

Department of Speech Drama

5. Re-appoint Myra Sue Livingston (Non-Tenure) as Lecturer, part-time (25%) with stipend of \$660, academic rate of \$5280, 9 months, effective January 16, 1972. Funds are available from Institutional Lecturers-Unallocated. (RBC #241)

ENGINEERINGDepartment of Electrical Engineering

6. Transfer of Funds:

From: Capital Outlay \$800.
 To: Wages Hourly \$800.
 For: Funds needed in Wages Hourly for the remainder of the
 year to supply necessary student graders to faculty in
 the department.

(RBC #246)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET continuedEngineering Special Operations

7. Appoint Robert E. Lakey as Graduate Research Assistant, 50% with stipend of \$900, effective March 1, 1972. Funds available from Capital Outlay within the departmental account. (RBC #249)

AUXILIARY ENTERPRISESStudent Congress

8. Transfer of Funds:

From:	40-120 Unallocated Student Activity Fees	\$150.
To:	40-137 Student Congress Maintenance and Operation	\$150.
For:	To establish an emergency ambulance fund for the current fiscal year to be administered by Student Congress through its executive committee.	

(RBC #239)

Book Store

9. Transfer of Funds:

From:	Unallocated	\$2200.
To:	Capital Outlay	\$2200.
For:	Needed to purchase one belt conveyor system over existing stairway to transfer supplies from basement warehouse to first floor supply store.	

(RBC #236)

Housing System-Supervision

10. Transfer of Funds:

From:	Unallocated Salaries	\$2228.
To:	Maintenance and Operation	\$2228.
For:	This amount needed because of the inclusion of the Un-employment Compensation Insurance as of January 1, 1972.	

(RBC #243)

Student Activities - General

11. Transfer of Funds:

From:	40-120 Unallocated Student Activity Fees	\$232.
To:	40-338 Student Activities - General Travel	\$232.
For:	Additional travel needed to help with cheerleader travel for the year.	

(RBC #237)

I. D. Card Account

12. Transfer of Funds:

From:	40-480 Special Concessions Maintenance and Operation	\$1020.
To:	40-342 I. D. Card Account Maintenance and Operation	\$1020.
For:	Additional funds needed in this account to cover expense of Faculty/Staff I. D. Cards.	

(RBC #244)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET continuedSERVICE AND REVOLVING FUNDSLibrary-Duplication Fund

13. Transfer of Funds:

From:	Estimated Income	\$7,380.
	Travel	\$ 500.
	Capital Outlay	\$ 370.
To:	Wages Hourly	\$ 250.
	Maintenance and Operation	\$8,000.

For: This is a local account that is relatively new. Revised income estimates based on duplication fees for the first six months of fiscal 1971-72 indicate that a more realistic amount for the year is \$33,880.

(RBC #247)

Library Film Rental

14. Transfer of Funds:

From:	Travel	\$ 557.60
	Estimated Income	\$15,000.00
To:	Wages Hourly	\$ 3,557.60
	Capital Outlay	\$ 1,630.00
	Maintenance and Operation	\$10,370.00

For: This is a new local account. Revised income estimates based on recent experience and bookings received for fiscal 1971-72 indicate that a more realistic amount for the year is \$25,000.

(RBC #245)

1972 SUMMER SESSION BUDGET

I recommend approval of the 1972 Summer Budget. The budget reflects an expenditure of \$1,030,000, the amount allocated for the Summer Session in the 1971-72 Operating Budget.

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDATIONS FOR SALARY BUDGET
FOR
SUMMER SESSION 1972

ARLINGTON, TEXAS

March 24, 1972

THE UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, Texas

1972 SUMMER SESSION BUDGETFirst Term: June 1 - July 15
July 16 - August 31RESIDENT INSTRUCTIONSCHOOL OF LIBERAL ARTS

Architecture	\$ 10,863
English	102,243
Art	12,239
Music	8,931
Foreign Languages	51,025
Government	54,856
History and Philosophy	91,426
Physical Education - Men	16,362
Physical Education - Women	1,525
Psychology	25,276
Education	20,719
Sociology	21,274
Speech-Drama	12,814
 Total School of Liberal Arts	 <u>429,553</u>

SCHOOL OF SCIENCE

Biology	36,074
Chemistry	42,727
Geology	13,964
Mathematics	128,218
Physics	34,349
 Total School of Science	 <u>255,332</u>

SCHOOL OF BUSINESS

Accounting	42,070
Business Administration	75,761
Economics	50,605
 Total School of Business	 <u>168,436</u>

SCHOOL OF ENGINEERING

Civil Engineering	32,780
Technical Institute	8,532
Aerospace and Mechanical Engineering	43,963
Electrical Engineering	46,402
Industrial Engineering	19,099
 Total School of Engineering	 <u>150,776</u>

RESERVE

Reserve for Additional Positions	<u>25,903</u>
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TOTAL 1972 SUMMER SESSION BUDGET	<u><u>\$1,030,000</u></u>
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SUMMARY OF 1972 SUMMER SESSION BUDGET
(ELEMENTS OF INSTITUTIONAL COST)

<u>RESIDENT INSTRUCTION</u>	
Teaching Salaries Only	<u>\$1,030,000</u>
	<u>SOURCE OF FUNDS</u>
Summer Session Appropriation in 1971-72 Budget	<u>\$1,030,000</u>
TOTAL 1972 SUMMER SESSION BUDGET	<u>\$1,030,000</u>

SCHOOL OF LIBERAL ARTS

ITEM NO.	PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-115 ARCHITECTURE							
PROFESSOR & CHAIRMAN							
001A	HAROLD BOX	18,000	100	3,000	100	3,000	6,000
ASSISTANT PROFESSOR							
014	PETER J WOOD	8,000	100	1,333	100	1,333	2,666
LECTURER							
101	.....	13,185	050	1,099	050	1,098	2,197
SUB-TOTAL				5,432		5,431	10,863

SCHOOL OF LIBERAL ARTS

ITEM N.J.	- PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-120 ENGLISH						
ASSOCIATE PROFESSOR & CHAIRMAN						
012A	EMORY D ESTES	T	14,900	100 2,483	100 2,483	4,966
PROFESSOR						
001A	STANTON GARNER	T	20,000	100 3,333	050 1,666	4,999
003	LYLE H KENDALL JR	T	18,000	100 3,000	050 1,500	4,500
004	CLAYTON L EICHELBERGER	T	17,500	100 2,916	050 1,458	4,374
005	CLARENCE S TURNER	T	17,500		100 2,916	2,916
006A	COTHURN M ONEAL	T	17,600	100 2,933	100 2,933	5,866
007	DUNCAN W ROBINSON	T	17,200	100 2,866		2,866
008	ARLIE V GOYNE JR	T	16,500	100 2,750		2,750
009	ANNE WHALING	T	13,300	100 2,216		2,216
010	ROBERT L LITTLEFIELD	T	13,200	100 2,200	050 1,100	3,300
011	ALBERTA E HARRINGTON	T	12,500	100 2,083		2,083
ASSOCIATE PROFESSOR						
013	GEORGE E FORTENBERRY	T	13,700	100 2,283	050 1,141	3,424
014	CORINNE E KAUFFMAN	T	13,200	100 2,200	050 1,100	3,300
015	JOHN S BURNS	T	13,200	100 2,200		2,200
016	PAUL S BLAKNEY	T	13,200	100 2,200		2,200
017	GERTRUDE L GOLLADAY	T	13,200	100 2,200	050 1,100	3,300
019	FIGRELLA S TURREVILLE	T	12,900	100 2,150		2,150
020	DON R SWADLEY	T	12,600	050 1,050	100 2,100	3,150
021	RICHARD B ZACHA	T	11,300	100 1,883		1,883
022	JOHN S LEWIS	T	10,900	050 908	100 1,816	2,724
023	WILLIAM M RICHARDSON	T	10,900	100 1,816	050 908	2,724

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-120 ENGLISH							
ASSOCIATE PROFESSOR							
024	ERNESTINE M SEWELL	T 10,900			100	1,816	1,816
025	MARGUERITE S HOLTON	T 10,500	100	1,750			1,750
026	MELBA HAMMACK	T 10,400			100	1,733	1,733
027	THOMAS S SUTHERLAND	T 10,200	100	1,700			1,700
ASSISTANT PROFESSOR							
028	JAMES M MUFFETT	T 11,000	100	1,833	050	916	2,749
029	MAURICE I CARLSON	T 11,000	100	1,833	050	916	2,749
031	BILLI M WILEMON	T 10,700	100	1,783			1,783
032	NDEL POLK	10,700	100	1,783			1,783
033	DALLAS L LACY	T 10,600	100	1,766	050	883	2,649
034	HARRY S HANKS	T 10,500	100	1,750			1,750
035	KENNETH M RDEMER	10,500	100	1,750	050	875	2,625
037	NEITA W FLENNIKEN	T 10,400			100	1,733	1,733
039	AILSEY FORESTER	T 10,000			100	1,666	1,666
041	JEANETTA BOSWELL	T 9,900			100	1,650	1,650
044	JEANNE D FURD	T 9,600	100	1,600	100	1,600	3,200
045	BORBIE SIMMS	9,400	100	1,566			1,566
046	ISABELLE P FRENCH	T 8,700			100	1,450	1,450
SUB-TOTAL				64,784		37,459	102,243

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-131 ART						
ASSOCIATE PROFESSOR & CHAIRMAN						
001	FRANCES R BETTS	T	11,600	100 1,933	050 966	2,899
ASSOCIATE PROFESSOR						
002	JRTON HAMBY	T	12,500	100 2,083		2,083
004	WILLIAM E TURNER	T	11,200	100 1,866		1,866
ASSISTANT PROFESSOR						
006	STEPHEN T RASCOE	T	10,500		100 1,750	1,750
009	JIM M HENDERSON		9,400	100 1,566		1,566
INSTRUCTOR						
011	HARLEY J SCOTT JR		8,300	050 692	100 1,383	2,075
	SUB-TOTAL			8,140	4,099	12,239

SCHOOL OF LIBERAL ARTS

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-132 MUSIC						
PROFESSOR & CHAIRMAN						
001	JACK H MAHAN	T	14,600	050 1,216	050 1,216	2,432
PROFESSOR						
002	LLOYD C TALIAFERRO	T	14,000		050 1,166	1,166
ASSOCIATE PROFESSOR						
003	DANIEL C BURKHOLDER	T	11,400	050 950		950
ASSISTANT PROFESSOR						
004	GARY L EBENSBERGER		11,400	025 475	075 1,425	1,900
005	WILLIAM F POSTELTHWAITE	T	10,500	050 875	050 875	1,750
INSTRUCTOR						
009	RAY C LICHENWALTER		8,800		050 733	733
	SUB-TOTAL			3,516	5,415	8,931

SCHOOL OF LIBERAL ARTS

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-140 FOREIGN LANGUAGE & LINGUISTICS						
ASSOCIATE PROFESSOR & CHAIRMAN						
001	VIRGIL L PJULTER	T	14,000	100 2,333	100 2,333	4,666
PROFESSOR						
004	DUANE A ADAMS	T	15,200	100 2,533		2,533
ASSOCIATE PROFESSOR						
008	ALAN Q STEINECKE	T	14,600	100 2,433	100 2,433	4,866
009	ALVIN D JETT JR	T	14,400	100 2,400	050 1,200	3,600
010	CHARLES MCDJWELL	T	14,000	100 2,333	100 2,333	4,666
011	JOHN A STUART	T	13,700	050 1,142	050 1,141	2,283
012	ANNIE L GIBSON	T	11,000		100 1,833	1,833
ASSISTANT PROFESSOR						
014	TED E FRANK		10,800		100 1,800	1,800
015	FREDERICK VINA	T	10,600	100 1,766	100 1,766	3,532
017	CARLOS NOGUEIRA-MARTINS		10,300	100 1,716	100 1,716	3,432
019	BERTIE W ACKER	T	10,100	100 1,683	100 1,683	3,366
020	DUANE V KEILSTRUP	T	9,700	100 1,616		1,616
022	NORMAN A WHITLOCK	T	9,300	100 1,550	100 1,550	3,100
INSTRUCTOR						
023	JACK PALANGIAN		9,100	100 1,516		1,516
025	MINETTA A GOYNE		8,700	100 1,450		1,450
027	RIMMA B PALANGIAN		8,200	100 1,366		1,366
GRADUATE TEACHING ASSISTANT						
101	.....		5,400	050 450	050 450	900
102	.....		5,400	050 450	050 450	900

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-140 FOREIGN LANGUAGE & LINGUISTICS							
GRADUATE TEACHING ASSISTANT							
103	5,400	050	450	050	450	900
104	5,400	050	450	050	450	900
105	5,400	050	450	050	450	900
106	5,400	050	450			450
107	5,400			050	450	450
SUB-TOTAL				28,537		22,488	51,025

SCHOOL OF LIBERAL ARTS

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-145 GOVERNMENT						
PROFESSOR & CHAIRMAN						
001	SAMUEL B HAMLITT	T	16,300	100 2,716	100 2,716	5,432
PROFESSOR						
002	LUTHER G HAGARD JR	T	16,400	100 2,733	100 2,733	5,466
003	IRVING D DAWSON	T	14,600	100 2,433	100 2,433	4,866
004	EDWARD B RICHARDS	T	14,500	100 2,416	100 2,416	4,832
ASSOCIATE PROFESSOR						
005	LUTHER W MOON	T	14,500	100 2,416	100 2,416	4,832
007	JHANG S MOON	T	14,000	100 2,333	100 2,333	4,666
009	IVAN TABORSKY	T	12,800	100 2,133	100 2,133	4,266
010	CHARLES W VAN CLEVE	T	11,400	100 1,900	100 1,900	3,800
ASSISTANT PROFESSOR						
011	GILBERT D SMITH		11,800	100 1,966	100 1,966	3,932
012	ALLAN SAXE	T	11,300	100 1,883	100 1,883	3,766
014	STEPHEN L DAIGLE		10,200	100 1,700		1,700
015	HUNTER SCHMIDT JR		9,200	100 1,533	100 1,533	3,066
016	MARINNE LONG		8,400	100 1,400		1,400
INSTRUCTOR						
017	SUZANNE M KATSIKAS		8,500	100 1,416	100 1,416	2,832
	SUB-TOTAL			28,978	25,878	54,856

SCHOOL OF LIBERAL ARTS

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-150 HISTORY & PHILOSOPHY						
PROFESSOR & CHAIRMAN						
101	LECKIE WILLIAM H	T	21,600	100 3,600	100 3,600	7,200
PROFESSOR						
001	CASPER G WOLFSKILL	T	18,400	100 3,066	100 3,066	6,132
003	ROBERT W AMSLER	T	15,000	050 1,250	050 1,250	2,500
004	HOWARD LACKMAN	T	14,400	050 1,200		1,200
005	HOMER L KERR	T	13,800		100 2,300	2,300
006	CARTER E BOREN	T	13,300	100 2,216	100 2,216	4,432
007	CHARLES D RICHARDS	T	12,600	100 2,100	100 2,100	4,200
008	MARTIN H HALL	T	12,100	100 2,016	100 2,016	4,032
ASSOCIATE PROFESSOR						
009	VAN MITCHELL SMITH	T	13,800		100 2,300	2,300
010	GLEN M RODGERS	T	13,200	100 2,200		2,200
011	ARTHUR W TUCKER JR	T	12,000		100 2,000	2,000
012	LEON BLAIR		12,000	050 1,000		1,000
013	EDWARD W CHESTER	T	11,900	100 1,983	050 991	2,974
015	EDWARD C BOCK	T	11,600	100 1,933	100 1,933	3,866
016A	ROBERT WILLIAMSON	T	12,600	100 2,100		2,100
017A	SANDRA L MYRES	T	12,200	100 2,033		2,033
018	JEROME L RUDNITZKY	T	11,000	100 1,833	100 1,833	3,666
ASSISTANT PROFESSOR						
020	J W KNOX	T	12,100	100 2,016	100 2,016	4,032
021	GUSTAVE A ANGUIZOLA		11,300	100 1,883	100 1,883	3,766
024	PAUL M MAGINNIS		10,700	100 1,783	100 1,783	3,566

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-150 HISTORY & PHILOSOPHY							
ASSISTANT PROFESSOR							
026	DAVID DE BOE	10,300			100	1,716	1,716
027	ROBERT F DAKS	10,100	100	1,683	100	1,683	3,366
028	BRUCE I AMBACHER	10,100	100	1,683	100	1,683	3,366
029	RICHARD G MILLER	10,100	100	1,683	100	1,683	3,366
031	ELLIOTT WEST	9,500			100	1,583	1,583
032	AUDRA L PREWITT	T 9,500	100	1,583	100	1,583	3,166
045	THOMAS W KING	10,000	100	1,666	100	1,666	3,332
INSTRUCTOR							
034A	LARRY D SALL	9,500	100	1,583	100	1,583	3,166
035	EDWARD SPANSKI	8,600	100	1,433	100	1,433	2,866
	SUB-TOTAL			45,526		45,900	91,426

SCHOOL OF LIBERAL ARTS

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-170 PHYSICAL EDUCATION-MEN						
PROFESSOR						
002	THOMAS J TINKER	T	12,300	100 2,050	050 1,025	3,075
ASSOCIATE PROFESSOR						
003	JIMMY W GARRETT	T	12,000	050 1,000	100 2,000	3,000
004	BURLEY L BEARDEN	T	11,250	050 938	100 1,875	2,813
ASSISTANT PROFESSOR						
006A	WILLIAM F REEVES		9,200	050 767	100 1,533	2,300
007	WILLIAM F ROARK	T	9,000	100 1,500		1,500
008	TOMMY S BEASLEY		8,500	050 708	100 1,416	2,124
INSTRUCTOR						
011	THOMAS D BOONE		9,300	050 775	050 775	1,550
	SUB-TOTAL			7,738	8,624	16,362

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-175 PHYSICAL EDUCATION-WOMEN					
ASSOCIATE PROFESSOR					
001	MARY L DESPOSITO	T 10,400		050 867	867
INSTRUCTOR					
004	ALLISON A SLOAN	7,900	050 658		658
	SUB-TOTAL		658	867	1,525

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-181 PSYCHOLOGY							
ASSISTANT PROFESSOR & CHAIRMAN							
009A	JAMES W BAERWALDT	12,000	075	1,500	075	1,500	3,000
PROFESSOR							
001A	GARVIN M MCCAIN	T 17,500	075	2,187	075	2,187	4,374
002	IRA H BERNSTEIN	T 14,800	050	1,233	050	1,233	2,466
ASSOCIATE PROFESSOR							
004	VERNE C COX	15,500	050	1,291	050	1,291	2,582
005	JAMES N BOWEN	T 13,100	050	1,091	050	1,091	2,182
006	DUANE R MARTIN	T 12,000	050	1,000	050	1,000	2,000
007	JAMES D PHILLIPS JR	T 11,800			100	1,966	1,966
ASSISTANT PROFESSOR							
008	JAMES KOPP	13,100	025	546	025	546	1,092
010	JOE L LEWIS	11,500	050	958	050	958	1,916
011	PAUL E MALONE	11,300	050	941	050	941	1,882
013A	PAUL B PAULUS	10,900	050	908	050	908	1,816
SUB-TOTAL				11,655		13,621	25,276

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-182 EDUCATION							
PROFESSOR & CHAIRMAN							
001	ALLEN J HERNDON	T 17,200	100	2,866	100	2,866	5,732
PROFESSOR							
003	NORMAN C MUHN	T 13,000	050	1,083	100	2,166	3,249
ASSISTANT PROFESSOR							
005	JOYCE B STEVENS	10,600	100	1,766	050	883	2,649
006	MARY L CROW	10,600	100	1,766			1,766
007	KATHRYN L HOPKINS	T 10,300	100	1,716	050	858	2,574
008	EVA L WILLIAMS	10,000	050	833	100	1,666	2,499
009A	R JUN LEFFINGWELL	9,000	050	750	100	1,500	2,250
	SUB-TOTAL			10,780		9,939	20,719

SCHOOL OF LIBERAL ARTS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME SALARY		PERCENT OF TIME SALARY		
12-195 SPEECH-DRAMA							
ASSOCIATE PROFESSOR & CHAIRMAN							
001	CHAPIN ROSS	T 12,500	050	1,041	050	1,041	2,082
PROFESSOR							
002	RICHARD L SLAUGHTER	T 12,500	100	2,083			2,083
003	MARGARET A CAMERON	T 11,600			100	1,933	1,933
ASSOCIATE PROFESSOR							
004	NITA F COX	T 10,200	100	1,700			1,700
ASSISTANT PROFESSOR							
005	HICKEY CARROLL	11,300	075	1,412	025	471	1,883
007	CHARLES S PROCTOR	9,900	050	825	050	825	1,650
009	MARY LOU HOYLE	9,300			050	775	775
INSTRUCTOR							
012	MICHAEL W MCBRIDE	8,500			050	708	708
SUB-TOTAL				7,061		5,753	12,814

SCHOOL OF SCIENCE

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-270 BIOLOGY						
PROFESSOR & CHAIRMAN						
001	WILLIAM R MEACHAM	T	18,700	050 1,558	100 3,116	4,674
PROFESSOR						
003	THOMAS E KENNERLY JR	T	15,400	100 2,566	050 1,283	3,849
004	CLARENCE C HALL JR	T	15,400	100 2,566		2,566
ASSOCIATE PROFESSOR						
006	THOMAS R HELLIER JR	T	14,100	100 2,350		2,350
007	WILLIAM B MCCRADY	T	14,000	100 2,333	050 1,166	3,499
009	LOUIS H BRAGG	T	13,300	050 1,108	100 2,216	3,324
010	ROBBY RUY ELLER	T	12,800	075 1,599	075 1,599	3,198
011	ROBERT B BULFY	T	12,700	100 2,116	050 1,058	3,174
012	FRANK G GLADDEN	T	12,600	050 1,050	100 2,100	3,150
ASSISTANT PROFESSOR						
013	ROBERT L NEILL		11,300	100 1,883		1,883
014	RONALD KNAUS		11,000	100 1,833		1,833
015	BERNARD L FRYE	T	10,300	100 1,716	050 858	2,574
	SUB-TOTAL			22,678	13,396	36,074

SCHOOL OF SCIENCE

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-230 CHEMISTRY						
PROFESSOR & CHAIRMAN						
001	DONALD R MARTIN	T	22,000	100 3,666	100 3,666	7,332
PROFESSOR						
004	JOHN T MURCHISON	T	15,600	100 2,600		2,600
005	HUGH D MCAFFEE	T	14,300	100 2,383	100 2,383	4,766
006	HAROLD G BURMAN	T	13,700	100 2,283		2,283
ASSOCIATE PROFESSOR						
008	ROBERT F FRANCIS	T	14,600	100 2,433		2,433
009	SARAH M WILLOUGHBY	T	14,000		100 2,333	2,333
ASSISTANT PROFESSOR						
010	THOMAS J COGDILL		14,600		100 2,433	2,433
011	A T ARMSTRONG		13,800	100 2,300		2,300
012	GROVER L JOHNSON	T	11,600	100 1,933		1,933
013	DANIEL M BLAKE		11,500		100 1,916	1,916
014	LANNY M CASEY		11,500	100 1,916		1,916
015	EDWARD BELLION		11,400	100 1,900		1,900
016	MARY L JOHNSON		10,400		100 1,733	1,733
017	ANN H BENHAM	T	9,200		100 1,533	1,533
ASSISTANT INSTRUCTOR						
018	MARTHA L HARDIN		8,500		100 1,416	1,416
019	CLOVIS HUDDLESTON	T	8,400	100 1,400	050 700	2,100
GRADUATE TEACHING ASSISTANT						
101	.....		5,400	050 450	050 450	900
102	.....		5,400	050 450	050 450	900
SUB-TOTAL				23,714	19,013	42,727

SCHOOL OF SCIENCE

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-240 GEOLOGY							
PROFESSOR & CHAIRMAN							
003A	CHARLES F DODGE	T 14,400	100	2,400	050	1,200	3,600
PROFESSOR							
001A	JOHN D BRON	T 15,200	100	2,533			2,533
002	CHARLES L MCNULTY JR	T 15,200			075	1,899	1,899
ASSISTANT PROFESSOR							
004	BURKE BURKART	12,400			100	2,066	2,066
005	ROBERT W SCOTT	12,200	100	2,033			2,033
009	DONALD F REASER	11,000	100	1,833			1,833
	SJB-TOTAL			8,799		5,165	13,964

SCHOOL OF SCIENCE

ITEM NO.	- PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-250 MATHEMATICS						
/ PROFESSOR & CHAIRMAN						
001	BASIL M WALL	T	20,100	100 3,350	100 3,350	6,700
PROFESSOR						
003	HARRISON A D DUNSWORTH	T	16,000	100 2,666		2,666
004	JAMES L SHAWN	T	13,900	100 2,316	100 2,316	4,632
005	LLOYD L LASSEN	T	13,100		100 2,183	2,183
ASSOCIATE PROFESSOR						
007	ROBERT L TENNISON	T	16,600	100 2,766	100 2,766	5,532
008	JOHN K PERRYMAN	T	16,400	100 2,733		2,733
009	ALFRED R MITCHELL	T	15,700	075 1,962	075 1,962	3,924
010	ROGER W MITCHELL	T	15,700	100 2,616		2,616
011	LARRY F HEATH	T	15,000	100 2,500	050 1,250	3,750
012	BENNIE B WILLIAMS	T	15,000	100 2,500	100 2,500	5,000
013A	STILLMAN A SIMS	T	14,900	075 1,862	075 1,862	3,724
014	MARION E MOORE	T	14,200	100 2,366		2,366
015	C W MARSHALL	T	13,900		100 2,316	2,316
016	JAMES C BOLEN	T	13,600	100 2,266	100 2,266	4,532
017	GERALD L MORRIS	T	13,600	075 1,699	075 1,699	3,398
018	WILLIAM W HAMILTON	T	13,400	100 2,233	100 2,233	4,466
019	ROBERT L NOLEN	T	12,800	100 2,133	100 2,133	4,266
020	WILLIAM E BEEMAN	T	12,600		100 2,100	2,100
021	WILLIAM LAWLEY	T	12,600	100 2,100		2,100
022	THURMAN M JASPER	T	12,200	075 1,524	075 1,524	3,048
024	LEDLIE R HOLLAND	T	12,000		100 2,000	2,000

SCHOOL OF SCIENCE

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-250 MATHEMATICS							
ASSOCIATE PROFESSOR							
025	JOHN A GARDNER	T 12,000			100	2,000	2,000
026	HAROLD R GREEN	T 11,300	100	1,883			1,883
027	JACOB T B BEARD	11,300	100	1,883	100	1,883	3,766
ASSISTANT PROFESSOR							
028	FRANK N HUGGINS	13,500	100	2,250	100	2,250	4,500
029	JAMES R HARVEY	T 13,500	100	2,250			2,250
030	MERLYND K NESTELL	13,400			100	2,233	2,233
031	M E LORD	12,900	075	1,612	075	1,612	3,224
032	DANNY D DYER	T 12,500	075	1,562	075	1,562	3,124
033	WESLEY E MEAD JR	T 12,150	050	1,012			1,012
034	JAMES C NICHOLSON	T 11,800	100	1,966			1,966
035	GAY B TURNEY	T 11,800	100	1,966			1,966
036	WILLIAM D MILLER	T 11,700	100	1,950	100	1,950	3,900
037	MERVIN R CHILDERS	T 11,700	100	1,950	050	975	2,925
038	JOE GILBREATH	T 11,175			050	931	931
039	ARTHUR A GILLFSPIE	T 11,000	075	1,374	075	1,374	2,748
040	ROBERT J FOSTER	T 10,800			100	1,800	1,800
041	EJDA E DEAN	T 10,800	075	1,350	075	1,350	2,700
043	KIRBY D WATKINS	T 10,200	100	1,700			1,700
044	LEE G SHILLING JR	T 9,900	075	1,237	075	1,237	2,474
045	MARIAN E PAYSINGER	T 9,600			100	1,600	1,600
046	EDDIE N WARREN	T 9,400	075	1,174	075	1,174	2,348
INSTRUCTOR							

SCHOOL OF SCIENCE

ITEM NO.	PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-250 MATHEMATICS							
INSTRUCTOR							
048	HENRY T WISE JR	9,800			100	1,633	1,633
049	GEORGE W BREWER	8,900	100	1,483			1,483
	SUB-TOTAL			68,194		60,024	128,218

SCHOOL OF SCIENCE

ITEM NO.	- PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
				PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-260 PHYSICS								
PROFESSOR & CHAIRMAN								
001	LOUIS A RAYBURN	T	20,300	100	3,383	100	3,383	6,766
PROFESSOR								
002	RICHARD J MARQUIS	T	16,350	070	1,910	070	1,910	3,820
003	LEONARD M DIANA	T	16,300			100	2,716	2,716
ASSOCIATE PROFESSOR								
004	TRUMAN D BLACK	T	16,300	100	2,716			2,716
006	ULRICH D HERRMANN	T	14,700	100	2,450			2,450
007	JASON A ELLIS	T	14,700	050	1,225			1,225
008	NOLEN G MASSEY	T	14,500	050	1,208	050	1,208	2,416
009	GLEN E TERRELL	T	14,100			100	2,350	2,350
010	R S RUBINS	T	13,700			050	1,142	1,142
011	BONNIE C THOMPSON	T	13,300	100	2,216			2,216
013	JOHN L FRY		13,500			100	2,250	2,250
ASSISTANT PROFESSOR								
014	WILLIAM B SELF	T	13,000	100	2,166			2,166
016	ERWIN G DOUGHTY	T	12,700	050	1,058	050	1,058	2,116
	SJB-TOTAL				18,332		16,017	34,349

SCHOOL OF BUSINESS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-320 ACCOUNTING							
PROFESSOR & CHAIRMAN							
001	JOHN J WILLINGHAM	20,500	100	3,416	100	3,416	6,832
PROFESSOR							
002	HOWARD J SNAVELY	T 17,700	100	2,950	100	2,950	5,900
003	RALPH W ESTES	T 17,600	100	2,933			2,933
ASSOCIATE PROFESSOR							
004	AUSTIN M SMITH JR	T 16,900	075	2,112	075	2,112	4,224
005	HARLEY M COURTNEY	16,800	075	2,100	075	2,100	4,200
006	BILLIE W MOUCK	T 11,100	100	1,850	100	1,850	3,700
ASSISTANT PROFESSOR							
010	PATRICIA C ELLIOTT	14,200	075	1,775	075	1,774	3,549
011	WAYNE A LABEL	13,800			100	2,300	2,300
012	JAMES F COOK	T 10,900	100	1,816	100	1,816	3,632
013	ELBERT C PAGE	T 9,600	100	1,600			1,600
014	TERRY J WITT	9,600	100	1,600	100	1,600	3,200
	SUB-TOTAL			22,152		19,918	42,070

SCHOOL OF BUSINESS

ITEM NO.	- PAYROLL TITLE - NAME	9 MUS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-330 BUSINESS ADMINISTRATION							
PROFESSOR							
002	LAWRENCE L SCHKADE	T 20,100			100	3,350	3,350
003	JOHN D STANLEY	T 19,400	100	3,233			3,233
004	JERRY C WOFFORD	T 18,000	025	750	075	2,250	3,000
005	JESSE D BRYANT	T 13,800	100	2,300	100	2,300	4,600
ASSOCIATE PROFESSOR							
006	WILLIAM P GREEN	T 16,000	025	666	075	1,999	2,665
007	WILLIAM W LUCAS	T 16,800	050	1,400	050	1,400	2,800
009	HIRAM M HELM JR	T 14,600	100	2,433	100	2,433	4,866
101	MARNA K CARNEY	T 14,000	050	1,166			1,166
102	PAUL M HAYASHI	T 15,000	050	1,250			1,250
ASSISTANT PROFESSOR							
012	WILLIAM E PINNEY	14,300	100	2,383	100	2,383	4,766
013	BURLEY WALKER JR	T 15,000	100	2,500	100	2,500	5,000
014A	THOMAS I KINDEL	13,900	100	2,316			2,316
015	CARL D MCDANIEL JR	13,700	050	1,141	100	2,283	3,424
016	PHILIP F LYNCH	13,000	075	1,624	025	541	2,165
017	THEODORE T HERBERT	13,000	100	2,166	100	2,166	4,332
018	ROGER H GATES	13,000			100	2,166	2,166
019	SANFORD M EDGAR	13,000	075	1,624	075	1,624	3,248
020	PAULA A HUGHES	13,000			100	2,166	2,166
022	SAM G CAROTHERS	12,600	050	1,050	100	2,100	3,150
023	EDWIN A GERLUFF	12,500	100	2,083	100	2,083	4,166
024	RICHARD W FERGUSON	12,200	050	1,016	050	1,016	2,032

SCHOOL OF BUSINESS

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-330 BUSINESS ADMINISTRATION							
ASSISTANT PROFESSOR							
025	BILLY W TURNER	T 10,800	100	1,800	100	1,800	3,600
026	DONALD W CANTWELL	T 9,900	100	1,650	100	1,650	3,300
027	ALBERT S LEWIE JR	9,000	100	1,500	100	1,500	3,000
	SUB-TOTAL			36,051		39,710	75,761

SCHOOL OF BUSINESS

ITEM NO.	PAYROLL TITLE - NAME		9 MOS. RATE	FIRST TERM 6-1/7-15 PERCENT OF TIME SALARY	SECOND TERM 7-16/8-31 PERCENT OF TIME SALARY	TOTAL SALARY
12-340 ECONOMICS						
PROFESSOR & CHAIRMAN						
001	SAMUEL T KEIM JR	T	21,800	100 3,633	100 3,633	7,266
PROFESSOR						
003	WILLIAM C REHER	T	17,400	100 2,900		2,900
004	THOMAS E HOLLAND		17,400	050 1,450	100 2,900	4,350
005	THEODORE L WHITESEL	T	17,100	100 2,850		2,850
ASSOCIATE PROFESSOR						
006	GHAZI DUWAJI	T	15,900	100 2,650	100 2,650	5,300
007	JOAN M MCCREA	T	15,900	100 2,650		2,650
008A	JOHN B MCCALL	T	16,000	067 1,791	067 1,791	3,582
009	PAUL M HAYASHI	T	15,000	050 1,250	050 1,250	2,500
010	WALTER E MULLENDRE	T	14,700	050 1,225	100 2,450	3,675
011	MARNA K CARNEY	T	14,000	050 1,166		1,166
012	LAWRENCE F ZIEGLER	T	13,700	050 1,142	100 2,283	3,425
ASSISTANT PROFESSOR						
014	CHARLES M HARGROVE		12,300		100 2,050	2,050
015A	GURDON M KELLEY		9,000	050 750	050 750	1,500
017	RICHARD WILSON		9,200	050 767	050 766	1,533
030	JOHN M TRAPANI III		11,500	100 1,917		1,917
101	CARL D MCDANIEL JR		13,700	050 1,142		1,142
INSTRUCTOR						
018	ARTHUR L EKHOLM		9,200	050 767	050 766	1,533
019	LAWRENCE M TURNER		7,600	100 1,266		1,266
	SUB-TOTAL			29,316	21,289	50,605

SCHOOL OF ENGINEERING

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-416 CIVIL ENGINEERING							
PROFESSOR & CHAIRMAN							
001	JOHN J HAYNES	T 20,000	100	3,333	100	3,333	6,666
PROFESSOR							
003	NOEL J EVERARD	T 19,200	067	2,144	067	2,144	4,288
004	RICHARD L TUCKER	T 17,850	050	1,487	050	1,488	2,975
005	ISENG HUANG	T 17,500	067	1,954	067	1,954	3,908
006	JAMES E CAFFEY	T 15,500	067	1,731	067	1,731	3,462
ASSOCIATE PROFESSOR							
008	CHARLES H CONNALLY	T 12,900	050	1,075			1,075
009	GROVER C GRUBB	T 12,500	100	2,083	100	2,083	4,166
010	FRANK M SMITH JR	T 12,400	033	682	033	682	1,364
ASSISTANT PROFESSOR							
013	JAMES R GLASER	13,100	067	1,463	067	1,463	2,926
015	ROBERT L YUAN	11,700	050	975	050	975	1,950
	SUB-TOTAL			16,927		15,853	32,780

SCHOOL OF ENGINEERING

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-430 TECHNICAL INSTITUTE							
ASSOCIATE PROFESSOR & CHAIRMAN							
001	EDMUND H FORD	T 13,000	100	2,166	100	2,166	4,332
ASSOCIATE PROFESSOR							
002	CHARLES R CLAY	T 12,600	100	2,100	100	2,100	4,200
	SUB-TOTAL			4,266		4,266	8,532

SCHOOL OF ENGINEERING

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-433 AERUSPACE & MECHANICAL ENGR							
PROFESSOR & CHAIRMAN							
001	CARL W FILES	T 20,000	100	3,333	100	3,333	6,666
PROFESSOR							
004	JOSEPH W DALLEY	T 19,100	033	1,061	033	1,061	2,122
006	JACK E FAIRCHILD	T 17,800	050	1,483	050	1,483	2,966
007	CARL D WISEMAN	T 16,800			100	2,800	2,800
008	CALVIN L BARKER	T 16,600	100	2,766			2,766
009	GEORGE E SMITH	T 16,350	033	908	033	908	1,816
010	CHARLES C BLACKWELL JR	T 16,000	050	1,333	050	1,333	2,666
011	A HAJI-SHEIKH	T 15,700	050	1,308	050	1,308	2,616
ASSOCIATE PROFESSOR							
012	DONALD D SEATH	T 15,800	100	2,633			2,633
013	FRED R PAYNE	T 15,600	050	1,300	050	1,300	2,600
014	KENT L LAWRENCE	T 15,200	050	1,267	050	1,266	2,533
015	J H GAINES	T 15,000	025	625	025	625	1,250
016	JOSEPH J STANOVSKY	T 13,200	050	1,100			1,100
017	ROBERT M JOHNSON	T 13,000	100	2,166			2,166
ASSISTANT PROFESSOR							
018	DAVID A HULLENDER	14,200	050	1,183	050	1,183	2,366
INSTRUCTOR							
021	RONALD C FOSTER	T 9,000	100	1,500			1,500
022	RICHARD M ALEXANDER	8,800	067	982	067	982	1,964
023	THOMAS S HUNTER II	8,600	050	716	050	717	1,433
	SUB-TOTAL			25,664		18,299	43,963

SCHOOL OF ENGINEERING

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-435 ELECTRICAL ENGINEERING							
PROFESSOR & CHAIRMAN							
001	FLOYD L CASH	T 20,000	100	3,333	100	3,333	6,666
PROFESSOR							
003	STEPHEN F CRUMB	T 20,000	100	3,333	100	3,333	6,666
005	CHARLES W JILES	T 18,700	100	3,116	100	3,116	6,232
006	ALTON W SISSOM	18,500	100	3,083	100	3,083	6,166
ASSOCIATE PROFESSOR							
007A	ALFRED R POTVIN	16,500	100	2,750	100	2,750	5,500
010	JOHN W MC CONNELL	T 15,200	100	2,533	100	2,533	5,066
012	K R RAO	T 14,100	075	1,762	075	1,762	3,524
ASSISTANT PROFESSOR							
101	CHARLES V SMITH	13,500	100	2,250	100	2,250	4,500
INSTRUCTOR							
013A	WILLIAM E DILLON	12,500	050	1,041	050	1,041	2,082
SUB-TOTAL				23,201		23,201	46,402

SCHOOL OF ENGINEERING

ITEM NO.	- PAYROLL TITLE - NAME	9 MOS. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			PERCENT OF TIME	SALARY	PERCENT OF TIME	SALARY	
12-440 INDUSTRIAL ENGINEERING							
PROFESSOR & CHAIRMAN							
001	FRANCE A MEIER	T 18,000	100	3,000	100	3,000	6,000
ASSOCIATE PROFESSOR							
004A	MELVIN L PIERCE	T 14,100	050	1,175	050	1,175	2,350
ASSISTANT PROFESSOR							
003A	HERBERT W CORLEY	13,000	075	1,625	075	1,624	3,249
005	JOHN W FOX	15,600	075	1,950	075	1,950	3,900
008	KURT A SCHEMBER	10,800	100	1,800	100	1,800	3,600
	SUB-TOTAL			9,550		9,549	19,099

RESERVE

ITEM NO.	- PAYROLL TITLE - NAME	9 MO. RATE	FIRST TERM 6-1/7-15		SECOND TERM 7-16/8-31		TOTAL SALARY
			% OF TIME	SALARY	% OF TIME	SALARY	
12-802	RESERVE FOR ADDITIONAL POSITIONS			<u>13,000</u>		<u>12,903</u>	<u>25,903</u>
	TOTAL SUMMER SCHOOL SALARIES - EDUCATIONAL AND GENERAL			<u>\$554,025</u>		<u>\$475,975</u>	<u>\$1,030,000</u>

Very truly yours,



Frank Harrison
President

THE UNIVERSITY OF TEXAS AT DALLAS
Office of the President
April 29, 1972

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

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 in Austin, Texas on April 29, 1972.

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, 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.

CONTRACTS AND GRANTS (Federal):

1. Grant No. NGL 44-004-130, by which the National Aeronautics and Space Administration, Headquarters, provided \$80,000 for the period April 1, 1972 through March 31, 1973, for research entitled "A Research Program in Support of NASA's Space Science", under the direction of Dr. Francis S. Johnson, Executive Director, Center for Advanced Studies.
2. Amendment No. 8, Contract NASr-198, by which the National Aeronautics and Space Administration, Headquarters, incorporated the final negotiated overhead rates for Fiscal Years 1964, 1965, 1966, 1967, and 1968. This was for research entitled, "To Develop and Evaluate Techniques and Instrumentation for the Measurement of Cosmic Radiation Anisotropies", under the direction of Dr. K. G. McCracken, Professor, Division of Atmospheric and Space Sciences.
3. Supplement No. 7, Grant NGL 44-004-026, by which the National Aeronautics and Space Administration, Headquarters, provided an additional \$90,000, raising the total amount granted from \$893,751 to \$983,751, and extending the period of performance through March 31, 1975, for research entitled "Investigations into the Mechanisms and Rates of Stmospheric Mixing in the Lower Thermosphere", under the direction of Dr. Francis S. Johnson, Professor, Division of Atmospheric and Space Sciences, and Executive Director, Center for Advanced Studies.
4. Supplement No. 1, Grant NGR 44-004-120, by which the National Aeronautics and Space Administration, Headquarters, provided an additional \$120,000, raising the total amount granted from \$75,000 to \$195,000, and extending the period of performance through January 31, 1973, for research entitled "Rocket Studies of the Upper F Region", under the direction of Dr. William B. Hanson, Professor, Division of Atmospheric and Space Sciences.
5. Modification No. 7, Contract NAS 5-9444, by which the National Aeronautics and Space Administration, Goddard Space Flight Center, provided an additional \$431, raising the total amount of the contract from \$73,312 to \$73,743 and covering additional funds due resulting from negotiated indirect cost rates, for research entitled "Ion Mass Spectrometer (Experiment D) on Explorer 31," under the direction of Dr. John H. Hoffman, Associate Professor, Division of Atmospheric and

Space Sciences.

6. Revised Modification No. 03, Contract N00014-67-A-0310, Task Order 0004, by which the Office of Naval Research corrected the statement that overhead provisions are set forth in Section E rather than Section D, as stated in the original modification. There is no change in the estimated cost of the research, entitled "Investigations of Some Topics in Numerical Mathematics", under the direction of Dr. T. N. L. Patterson, Division of Atmospheric and Space Sciences.
7. Contract No. F19628-72-C-0230, by which the Air Force Systems Division, Air Force Systems Command, provided \$40,000 for the period March 1, 1972 through February 28, 1973, for research entitled "Auroral Data Analysis", under the direction of Dr. W. J. Heikkila, Professor, Division of Atmospheric and Space Sciences.
8. Supply Allowance No. 5, F02 GM41836-02, by which the National Institute of General Medical Sciences, Department of Health, Education and Welfare, provided \$1,000 for expenditures during the period October 1, 1970 through September 30, 1971, in connection with the fellowship awarded Dr. Stephen L. Goldman, Research Associate, Division of Biology.
9. Grant No. AT503, by which The Robert A. Welch Foundation provided \$24,000 for the period May 1, 1972 through April 30, 1974, for research entitled "The Circular Dichroism of Oligonucleotides", under the direction of Dr. Donald M. Gray, Assistant Professor, Division of Biology.

GIFTS TO THE UNIVERSITY OF TEXAS AT DALLAS

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

<u>DONOR</u>	<u>PURPOSE AND CONDITIONS</u>	<u>AMOUNT</u>
Mr. J. Erik Jonsson President Excellence in Education Foundation 3300 Republic Bank Tower Dallas, Texas 75201	In support of and for use by the Office of the President	\$26,500.00
Mr. Blake Hamman Continental Life Building Ft. Worth, Texas 76102	Well logs and well completion cards for Geological Information Library of Dallas	\$10,238.75
Mr. Thornton Lomax, Jr. 4321 Republic National Bank Tower Dallas, Texas 75201	Lots and plats for Geological Information Library of Dallas	\$ 8,221.05

1972-1973 THE UNIVERSITY OF TEXAS AT DALLAS CATALOG:

Approval is requested for the publication of the 1972-1973 The University of Texas at Dallas catalog as shown on the following pages DA-3 through DA-83.

Cover Page of Catalog - with picture and seal

THE UNIVERSITY OF TEXAS AT DALLAS

1972-73

Inside Cover

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

Sam Houston

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

Mirabeau B. Lamar

Statement on Equal Educational Opportunity

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

THE UNIVERSITY OF TEXAS AT DALLAS PUBLICATION

Published by The University of Texas at Dallas, P.O. Box 30365, Dallas, Texas 75230

Page 1

THE UNIVERSITY OF TEXAS AT DALLAS

1972-73

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BOARD OF REGENTS
THE UNIVERSITY OF TEXAS SYSTEM

OFFICERS

John Peace, Chairman
Frank N. Ikard, Vice-Chairman
Betty Anne Thedford, Secretary

MEMBERS

Terms Expire January, 1973

Frank N. Ikard-----Wichita Falls
Joe M. Kilgore-----Austin
John Peace-----San Antonio

Terms Expire January, 1975

Frank C. Erwin, Jr.-----Austin
Jenkins Garrett-----Fort Worth
Dan C. Williams-----Dallas

Terms Expire January, 1977

Mrs. Lyndon B. Johnson-----Stonewall
A. G. McNeese, Jr.-----Houston
Joe T. Nelson, M.D.-----Weatherford

THE UNIVERSITY OF TEXAS SYSTEM
Officers of the Administration

Charles A. LeMaistre, M.D.-----Chancellor
Harry Hunt Ransom, Ph.D., Litt.D., LL.D.-----Chancellor-Emeritus
Everitt Donald Walker, M.B.A., C.P.A.-----Deputy Chancellor for
Administration
Kenneth H. Ashworth, Ph.D.-----Vice-Chancellor for
Academic Affairs

THE UNIVERSITY OF TEXAS AT DALLAS
Administration

Bryce Jordan, Ph.D.-----President
Lee H. Smith, Ph.D.-----Dean of Faculties
Stewart C. Fallis, B.S.-----Vice President for
Business Affairs
Francis S. Johnson, Ph.D.-----Executive Director of
the Center for Advanced
Studies
James L. Crowson, B.A., LL.B.-----Assistant to President
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Teacher Education and
Undergraduate Studies
B. Allan Watson, Ph.D.-----Director of Admissions
and Registrar
Sandra M. Budreck, M.S.-----Director of Student
Services
Grady C. Starnes, M.B.A., C.P.A.-----Business Manager
Alfred T. Mitchell, B.A.-----Director, News and
Information Service

INFORMATION DIRECTORY

Admission

Contact the Director of Admissions and Registrar

Fellowship Applications

Contact the appropriate Program Head

Foreign Students

Contact the Director of Admissions and Registrar

Housing

Contact the Director of Student Services for a list of available housing

Advice on Course Registration

See the Graduate Adviser in the appropriate Program

Loans

Student Financial Aids: contact the Business Manager

Employment

Student Financial Aids: contact the Business Manager

Medical Service

Contact the Director of Student Services

Research Assistantships

Contact the appropriate Program Head

Teaching Assistantships

Apply through appropriate Program Head

Transcripts of Records

Contact the Director of Admissions and Registrar

Adding and Dropping Courses

Contact the Director of Admissions and Registrar

Location and Address

Location--The 325-acre campus of The University of Texas at Dallas is situated approximately two miles west of North Central Expressway (U.S. Highway 75) and one mile east of Coit Road. The campus fronts on Campbell Road where the entrance to the campus is located. U.T. Dallas is in the City of Richardson immediately north of the City of Dallas.

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

Telephone--(214) 231-1471

1972		
Holidays, Holy Days and Commemorative Days Jan. 1 New Year's Day Feb. 12 Lincoln's Birthday 14 St. Valentine's Day 16 Ash Wednesday 21 Washington's Birthday Mar. 17 St. Patrick's Day 26 Palm Sunday 30 Jewish Passover 31 Good Friday Apr. 2 Easter Sunday May 14 Mother's Day 20 Armed Forces Day 28 Trinity Sunday 29 Memorial Day Jun. 11 Children's Day 14 Flag Day 16 Father's Day Jul. 4 Independence Day Sep. 4 Labor Day 9 Jewish New Year 17 Citizenship Day 18 Jewish Yom Kippur Oct. 9 Columbus Day 23 Veterans Day 24 United Nations Day 31 Halloween Nov. 7 Election Day 23 Thanksgiving Day Dec. 3 First Sunday of Advent 25 Christmas Day	JANUARY S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	
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THE UNIVERSITY OF TEXAS AT DALLAS

Calendar of the Long Session of 1972-1973

Fall Semester
(15 Class Weeks)

August 31-September 1	Thursday-Friday. Registration, orientation and advisement for the Fall Semester.
September 1	Friday. Last day for registration without late registration charge.
September 4	Monday. Labor Day. A holiday.
September 5	Tuesday. Classes begin.
September 8	Friday. Last day for adding courses, registering or making any changes in class schedule, other than withdrawal from the University or from a particular course.
September 20	Wednesday. Twelfth class day and the date on which the official enrollment count is taken.
September 29	Friday. Last day for making application for a graduate degree.
October 2	Monday. Last day for dropping courses with automatic grade of "Q"
November 22	Wednesday. Last day for presenting final copy of the Master's Thesis or Doctoral Dissertation, approved by Committee, to the Dean of Faculties.
November 23-25	Thursday-Saturday, inclusive. Thanksgiving holidays.
December 15	Friday. Last class day.
December 19-22	Tuesday-Friday. Fall Semester final examinations
December 22	Friday. Graduation day. (No public exercises)

Spring Semester
(15 Class Weeks)

January 11-12	Thursday-Friday. Advisement and registration for the Spring Semester.
January 12	Friday. Last day for registration without late registration charge.
January 15	Monday. Classes begin.
January 18	Thursday. Last day for adding courses, registering or making any changes in class schedule, other than withdrawal from the university or from a particular course.
January 30	Tuesday. Twelfth class day and the date on which the official enrollment count is taken.

February 8 Thursday. Last day for making application for a graduate degree.

February 9 Friday. Last day for dropping courses with automatic grade of "Q".

April 2-7 Monday-Saturday, inclusive. Spring vacation. (Easter: April 22.)

April 9 Monday. Last day for presenting final copy of the Master's Thesis or Doctoral Dissertation, approved by Committee, to the Dean of Faculties.

May 4 Friday. Last class day.

May 10-16 Thursday-Wednesday. Spring semester final examinations

May 19 Saturday. Commencement. (Public Exercises)

Calendar of the Summer Session, 1973

First Term (5 Class Weeks) - June 4-July 13
 Second Term (5 Class Weeks) - July 16-August 24
 Double Term (10 Class Weeks) - June 4-August 24

June 4 Monday. Registration. Students registering for any course on June 4 will register and pay fees for all other courses to be taken during the entire Summer Session.

June 5 Tuesday. Classes begin.

June 7 Thursday. Last day for adding courses.

June 9 Friday. Fourth class day and the date on which the official enrollment count is taken.

June 18 Monday. Last day for making application for a graduate degree.

June 19 Tuesday. Last day for dropping First Term and Double Term courses with automatic grade of "Q".

July 4 Wednesday. Independence Day. A holiday.

July 10 Tuesday. Last class day for First Term courses.

July 12-13 Thursday-Friday. Final examinations for First Term courses.

July 11-16 Mid-Session vacation for Double Term courses.

July 16 Monday. Registration for Second Term only.

July 17 Tuesday. Classes begin for Second Term courses.

July 19 Thursday. Last day for adding Second Term courses.

July 20 Friday. Fourth class day and the date on which the official enrollment count is taken for Second Term courses.

July 30 Monday. Last day for dropping Second Term courses with automatic grade of "Q".

July 30 Monday. Last day for presenting final copy of the Master's Thesis or Doctoral Dissertation, approved by Committee, to the Dean of Faculties

August 21 Tuesday. Last class day for Second Term and Double Term courses.

August 23-24 Thursday-Friday. Final examination in Double Term and Second Term courses.

August 25 Saturday. Graduation day. (No public exercises).

Nancy, see me about files

INTRODUCTION

2 copies / Cat. filed / 1 job other files

HISTORY

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

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

Approximately 120 sponsored research projects were underway in the various Research Divisions of The University of Texas at Dallas as of January 1, 1972. A significant building program is planned through 1980.

ACADEMIC PLAN FOR 1972-76

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

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

Academic Program Structure

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

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

The Faculties

At the heart of the academic program structure of The University of Texas at Dallas will be the faculties. As used here, the term faculty denotes the body of teachers and researchers who belong to a particular discipline, for instance the biology faculty. A faculty will ordinarily organize itself, designate a chairman, and serve as the voice of its discipline on the campus. It will not constitute a department, since there are to be no departments within the University. The chairman will be the convener of his faculty, and the spokesman for it. *File*

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

Planned Undergraduate Programs

File

Through the implementation of the innovative academic arrangement spelled out in the preceding sections, and keeping in mind the four goals set out under The Undergraduate Programs section, The University of Texas at Dallas plans to offer the following undergraduate degree programs at the beginning of the 1975 academic year:

Bachelor of Arts:

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

Bachelor of Science:

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

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

GRADUATE PROGRAMS

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

File

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

The organization of the Graduate Programs will reflect programmatic function rather than academic departmentalization. The Graduate Programs of the University will be the administrative and budgetary units which offer the graduate teaching and degrees. They may be interdisciplinary in nature, (for

example, environmental sciences) or they may lie primarily within one discipline (for example, physics). Teachers will be drawn from one or more faculties for the various Graduate Programs. Heads of Graduate Programs will be responsible for the academic, administrative, and fiscal aspects of Graduate Programs. These administrators will thus have the primary duty of seeing that their Graduate Programs attract good candidates, provide superior teaching, and produce graduates worthy of the institution.

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

Where research funding is available, a faculty member will spend part of his time as a member of one of the research institutes within the newly organized Center for Advanced Studies.

Continuing Graduate Programs

All course work and research activity for the Masters and Doctor of Philosophy degrees listed below are presently offered by The University of Texas at Dallas. Temporarily, with the approval of the Southern Association of Colleges and Schools, the degrees are awarded by The University of Texas at Austin. Upon accreditation by the Southern Association as a free-standing institution, The University of Texas at Dallas will award these degrees.

Geological Sciences (M.S., Ph.D.)
Molecular Biology (M.S., Ph.D.)
Physics (M.S., Ph.D.)

New Graduate Programs

In expanding the scope of graduate offerings as provided in the 1969 Act of the Texas Legislature, The University of Texas at Dallas has no intention or replicating graduate offerings which exist in other institutions simply to produce a standard set of degree curricula. Instead, consistent with constraints imposed by the need for high quality faculty in certain basic disciplines, the University will expand graduate offerings only into those areas where a need can be shown locally, regionally or nationally. As an example, there is a demonstrable need for an interdisciplinary program aimed at providing trained personnel for industry and government in the field of environmental sciences. (M.S. and Ph.D. to be offered in Fall, 1973.) Such a program will involve intensive work in at least two of the natural sciences, as well as considerable work in such fields as management and social science.

Pursuant to a rational plan of development, and considering the present University of Texas at Dallas programs as well as the needs of the North Central Texas area, the following graduate degree programs will be implemented in the Fall of 1972:

Chemistry (M.S.)
Management and Administrative Sciences (M.S.)
Mathematical Sciences (M.S., M.A.T.)

For detailed description of both continuing and new Graduate Programs, see the specific entry under Graduate Programs (Beginning page)

SUMMARY OF THE ACADEMIC PROGRAM STRUCTURE

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

GENERAL INFORMATION

LIBRARY

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

More than 600 current journals and other scientific and general serial publications are available in the Library. The selection of these current publications was made to provide students and faculty with the most up-to-date information in selected fields of science. Additionally, for many of the current journals there are sets of older volumes covering an extended period of time. A recently acquired collection will form the nucleus of general library materials in all subject fields; also a large collection of scientific materials has been placed on permanent loan to The University by the Texas Research Foundation.

All collections are being expanded as quickly as possible. As new educational programs develop the library is continually adding new material in support of these programs. For example, a core collection in management and administration has been purchased in order to help support the University's new program in Management Sciences.

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

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

LABORATORY AND SPECIAL FACILITIES

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

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

COMPUTER SERVICES CENTER

The University of Texas at Dallas Computer Center is built around an IBM 360/50 and a wide range of peripheral equipment, including a 2314 Disk Facility, 3 tape drives, card readerpunch, printer and 2 plotters, a Calcomp 763 drum plotter and a Calcomp 835 microfilm plotter.

In addition to submitting programs at the Computer Center for processing, users have access through remote terminals located strategically around the campus. Use of these remote terminals under the APL and CPS interactive systems provides students and faculty the opportunity to expand the utility of their time in research.

Availability

The Computer Center is open to all inquiries concerning programming and computer utilization. Each inquiry is considered individually to determine the scope of desired operations and user qualification. The Computer Center staff has attained a high level of competence in specialized programming and operational efficiency, and is available to assist users upon request.

Software

An extensive library of complete programs and sub-routines is available for Computer Center users. The Program Library has been assembled over the past four years to serve particularly the areas of scientific endeavor at The University of Texas at Dallas. Additionally, the Computer Center Program Library includes a large number of specialized programs accumulated through extensive cooperative efforts with academic institutions in the United States and throughout the World.

User Seminars

Computer Center personnel conduct, two to four times a year, an Advanced Seminar Series in programming languages for the benefit of local and regional students, faculty, and other potential computer users.

UNIVERSITY OF TEXAS (NORTH CENTRAL TEXAS) REGIONAL COMPUTER CENTER

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

Procurement of equipment and construction of the Regional Center are in advanced stages. The center is expected to be completely operational by the Spring of 1972.

STUDENT AFFAIRS

In General

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

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

Arts and Humanities

series

An Arts and Humanities/ coordinated by a faculty group offers many and varied cultural activities to students on the campus, including art shows, lectures on matters of public interest, and musical events. A student group, in cooperation with the faculty and administration, has recently begun the University of Texas at Dallas Film Society which offers a wide range of film selections. These are shown on campus bi-weekly.

Dallas is a cosmopolitan city with a variety of entertainments. It has upwards of one hundred foreign restaurants. There are many cultural activities, as exemplified by the existence here of the only theater designed by Frank Lloyd Wright. The Dallas Theater Center houses a permanent drama company. The Dallas Symphony Orchestra, founded in 1900, is well known. In addition, a variety of musical and dramatic activities are associated with Southern Methodist University and the University of Texas at Arlington. There are several art museums, an aquarium, an excellent zoo, and a museum of natural history.

Sports

The City of Richardson, adjacent to the University of Texas at Dallas campus, through its Parks and Recreation Department, offers a variety of outdoor and indoor recreational activities. Additionally, the Dallas Metropolitan Area offers a wide range of off campus activities. Sports and recreation facilities are widely available in the city, and include a large number of municipal swimming pools and tennis courts. The average temperature in January is 45°, and in August 85°. The annual rainfall is 34 inches. The area is generally quite dry and skies are sunny. This encourages participation in such outdoor activities as horseback riding, flying, golf, and sailing. Many large lakes surround the city. The Gulf of Mexico is only a few hours away, the ski areas of New Mexico and the border towns of Old Mexico are within a day's drive.

Dallas Committee for Foreign Visitors

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

Living Arrangements

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

Transportation

The University of Texas at Dallas student will be expected to provide his own transportation to and from the campus. Currently, no public transportation is available to or from the campus. However, the Dallas Transit System does provide commuter service into the center of Dallas from the area adjacent to the Spanish Village Shopping Center located about three miles southwest of the campus.

Cafeteria

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

Health Services

Because of the relatively small number of students presently on campus, the University of Texas at Dallas offers no on-campus health services to the students. However, some assistance in the area of health services is available. Many of the students enrolled at the University are considered employees of the University by virtue of having received a research assistantship. These students are included in the University's Workmen's Compensation insurance program. Employed students may also elect to participate in the Blue Cross - Blue Shield insurance programs offered by the University to its employees through the office of the Director of Personnel. All enrolled students may elect to participate in the student health program offered in cooperation with The University of Texas at Arlington. Information regarding this insurance program is available at registration through the Director of Student Services. Students participating in the student health insurance program may receive treatment by one of the physicians designated by the University's Workmen's Compensation insurance program and are not required to travel to the Arlington campus for treatment.

Counseling Services

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

Student Government

Presently, there is not an official, organized student government on the campus. However, interested groups of students have formed in various ways to interact with faculty and the administration. A student committee is actively working on a constitution for an official student government organization. Presently, students are actively participating in virtually all facets of University affairs.

SPECIAL ACTIVITIES

Clark Foundation Summer Program

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

Coordinator
 Clark Foundation Summer Program
 The University of Texas at Dallas
 Dallas, Texas 75230

Closed Circuit Inter-University Television

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

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

TAGER provides a unique opportunity for graduate students in North Central Texas. The number of credit courses carried over the TAGER television network now exceeds 100 each semester. Graduate students registered at The University of Texas at Dallas may take advantage of these selected course offerings depending upon their regular academic load.

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

EXPENSES

Tuition

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

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

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

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

NON-RESIDENTS

SEMESTER HOURS	RESIDENTS OF TEXAS	NON-RESIDENTS		
		U.S. CITIZENS	FOREIGN STUDENTS	U.S. CITIZENS REGISTERED IN SPRING, 1971
<u>Long Session</u>				
1	\$50.00	\$ 40.00	\$200.00	\$ 50.00
2	50.00	80.00	200.00	50.00
3	50.00	120.00	200.00	51.50
4	50.00	160.00	200.00	68.00
5	50.00	200.00	200.00	84.50
6	50.00	240.00	200.00	101.00
7	50.00	280.00	200.00	117.50
8	50.00	320.00	200.00	134.00
9	50.00	360.00	200.00	150.50
10	50.00	400.00	200.00	167.00
11	50.00	440.00	200.00	183.50
12	50.00	480.00	200.00	200.00
13	52.00	520.00	200.00	200.00
14	56.00	560.00	200.00	200.00
15	60.00	600.00	210.00	200.00

Summer Session - 6 Week Term

1	25.00	40.00	100.00	50.00
2	25.00	80.00	100.00	50.00
3	25.00	120.00	100.00	51.50
4	25.00	160.00	100.00	68.00
5	25.00	200.00	100.00	84.50
6	25.00	240.00	100.00	101.00
7	28.00	280.00	100.00	117.50
8	32.00	320.00	112.00	134.00
9	36.00	360.00	126.00	150.50

Refund of Registration and Tuition Fee for Students Withdrawing

Upon notification of official withdrawal from the Director of Admissions and Registrar; the business office shall make refund of tuition and fees as follows: (a) during the first week of class work of a semester, a refund of 70 percent of the applicable portion of the fee; (b) during the second week, 60 per cent; (c) during the third week, 40 per cent; (d) during the fourth week, 20 per cent; (e) during the fifth week and thereafter, nothing.

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

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

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

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

Laboratory Fee

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

General Property Deposit

Every student not registered in absentia must make a general property deposit of \$10.00. This deposit is subject to charges for property loss, damage or breakage, or violation of rules in any University library or laboratory; failure to return keys furnished by the University, or for damage to or loss of any other University property. When the student no longer has a balance in his property deposit account, he upon notice from the University, will be required to restore the deposit to the original amount by paying such charges immediately. Students having charges in excess of the deposit must pay the excess immediately. Pending payment, no credit will be allowed on the work of that semester or term, and the student will not be permitted to register for the following semester at The University of Texas at Dallas.

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

Books

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

Audit Fee

Auditing of courses by officially admitted students is permitted with the approval of the Graduate Adviser, instructor, and the Director of Admissions and Registrar. Auditing grants the privilege of hearing and observing only and does not grant credit. When approval has been granted, the applicant pays a fee of \$5.00 for each course. Withdrawal from an audit course is permissible, but refunds of fees will not be allowed.

Group Health Insurance

A group health insurance plan is available to students and their dependents on an optional basis. Rates for health insurance coverage depend upon the family status of each individual student.

Student Medical Examination

Until such time as an adequate health center can be established at The University of Texas at Dallas, each entering student will be required, at his own expense, to have completed a physical examination given by a licensed physician and to file immediately following notification of acceptance of his application for admission the results of the examination. Similar evidence of having received the required inoculations must be submitted with the medical examination. (See admission information)

Transcript Fee

A student shall pay a fee of \$1.00 for each official transcript.

Late Registration Fee

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

FINANCIAL AID

General

Several sources of financial assistance to students are available, including part-time research assistantships, student loan funds, and partial tuition fee exemptions. Application forms for all financial aid are available in the Student Financial Aid Office (temporarily in the office of the Business Manager).

Part-Time Employment

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

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

Student Loan Funds

Long term student loan funds are available:

National Defense Student Loan

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

Federally Insured Loans

The Federally Insured Loan Program was established in the Higher Education Act of 1965. Under this program a student may borrow from a bank or other financial institution after his application has been certified by the University. The major objective of this program is to make loans available to students from middle and upper income families who may not be able to qualify

for one of the other programs requiring financial need for eligibility. A student may borrow as much as \$1,500 per year with interest at the rate of 7% per annum.

Hinson-Hazlewood Loan Program

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

A limited short term emergency loan fund is available to students who may need temporary assistance with loans normally to be repaid within the semester.

Partial Tuition and Fee Exemption

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

ADMISSION TO THE GRADUATE PROGRAMS

Prospective and regular students seeking admission should write to the Director of Admissions requesting an application form, which must be completed and returned with official transcripts of all academic work beyond high school. Address inquiries to: Director of Admissions and Registrar, or to a specific Program Head, The University of Texas at Dallas, P. O. Box 30365, Dallas, Texas 75230.

The requirements for admission to Graduate Study are:

1. A Bachelor's Degree from an accredited institution in the United States or equivalent training in a foreign institution.
2. In the student's major field and related fields, a grade-point average of B or better on upper-division (junior and senior level) and graduate work already taken.
3. A satisfactory score on the Graduate Record Examinations Aptitude Test (see page __)
4. Adequate subject preparation for the proposed graduate major
5. Acceptance by the Committee on Graduate Studies of the proposed major area
6. Fluency in English (see page __)

GRADE-POINT AVERAGE

An applicant with a B average on all work of upper division (junior and senior) and graduate level previously taken has satisfied the minimum requirements of the Graduate School in this regard. Some applications showing less than a B average may nevertheless be accepted upon special recommendation of the Program Graduate Adviser.

TRANSCRIPTS

A student may secure a photographic transcript of his record at a cost of one dollar. The term "transcript of records" is understood to refer to the recorded results of the student's work in the classroom. This statement will contain all the important facts pertaining to the student's admission, academic level, and scholarship. No partial or incomplete classroom records (for example, with failure omitted) will be given.

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

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

THE GRADUATE RECORD EXAMINATIONS APTITUDE TEST

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

<u>Institution</u>	<u>Code</u>
The University of Texas at Dallas	R-6897-3

ENGLISH REQUIREMENTS

Students are required to be able to speak English well and to write it in a good expository style. Proficiency will be evaluated in the course work and in other contacts with faculty members.

MEDICAL REQUIREMENTS

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

1. Physical examination by a licensed physician. To be official, the physician's findings must be recorded on the permanent medical history form mailed to prospective students by the Office of the Director of Admissions and Registrar.
2. A negative chest X-ray or a negative skin test for tuberculosis, dated not more than 90 days before registration.
3. An immunization against poliomyelitis, consisting of at least 3 doses of oral vaccine, provided one or more doses have been received since the fourth birthday. (Polio vaccine is not required for persons nineteen years of age or older.)
4. A minimum of 3 doses of diphtheria/tetnus, with the last dose within 10 years. (Booster dose only after initial series - total adult type).

Effective beginning the Spring Semester of 1972, and continuing thereafter, new students (those not previously enrolled in the Summer or Fall Semesters of 1971) who have not completed the required immunizations at time of enrollment must complete them as soon as is medically feasible.

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

1. The student must present an affidavit signed by a physician, duly registered and licensed under the Medical Practice Act, in which it is stated that, in the physician's opinion, the immunization required would be injurious to the health and well-being of the student or any member of his

family or household; or

2. The student must present an affidavit signed by the applicant or, if a minor, by his parent or guardian, stating that the immunization conflicts with the tenets and practice of a recognized church or religious denomination of which the applicant is an adherent or member; provided, however, that this exemption does not apply in times of emergency or epidemic declared by the Commissioner of Health of the State of Texas.

Requirements promulgated by the State Board of Health pursuant to statute are subject to change at any time by that body. To be certain that no changes have occurred, a student should contact the Director of Student Services.

CONDITIONAL ADMISSION

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

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

ENROLLMENT AS A NON-DEGREE STUDENT

A student who does not wish to enter a Graduate Program, or who has been denied admission to it, may seek admission as a non-degree student. Such a student may take any course for which he has the prerequisites, provided he has the approval of the instructor and the Graduate Adviser. Students who qualify for admission are encouraged to enroll as degree students and pursue an advanced degree. Normally, an individual will not receive credit toward a graduate degree for courses taken as a non-degree student. Exceptions to this require approval of the Program Head and concurrence of the Dean of Faculties or his designate.

GENERAL ACADEMIC REGULATIONS
GRADUATE PROGRAMS

STUDENT RESPONSIBILITY

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

COURSE NUMBERING SYSTEM

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

GRADES AND GRADE-POINT AVERAGE

Grades used are: A, B, C, F, CR or S (credit or satisfactory), U (no credit or unsatisfactory), X (incomplete), Q (dropped course).

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

The degree candidate is required to present an overall average of at least 3.0 at the end of his program of study. Only courses taken in graduate status at The University of Texas at Dallas are counted in the average.

For some courses the symbols CR, S, or U are given. Courses taken on a Satisfactory - Unsatisfactory (S-U) basis are not computed in the grade-point average. No more than twenty percent of the hours submitted for any Master's Degree may be taken on an S-U basis.

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

The symbol Q means that the student has dropped the course later than twelve (12) class days after starting the course but before the final examination period begins. (A "class day" is a day on which The University of Texas at Dallas holds classes.) This grade cannot be replaced by another grade, but the student is permitted to take the course a second time.

COURSE LOAD

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

CONTINUATION IN THE GRADUATE PROGRAMS

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

1. Satisfactory progress in meeting any admission conditions that were imposed; and
2. Maintenance of a 3.0 grade-point average for all graduate courses taken in a given semester.

If, at the end of a semester, a student's cumulative grade-point average is below 3.0 he will be informed by a letter from his Graduate Adviser that he is on academic probation. A student on academic probation who receives a grade-point average lower than 3.0 in the following semester will be subject to dismissal.

REGISTRATION DAYS

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

REGISTRATION FOR COURSES

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

MEDICAL REQUIREMENTS

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

PAYING FEES AS A PART OF REGISTRATION

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

LATE REGISTRATION

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

ADDING AND DROPPING COURSES, AND WITHDRAWAL FROM THE UNIVERSITY

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

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

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

RESIDENCE REQUIREMENTS

All students must be in residence at the University of Texas at Dallas for at least two semesters to qualify for a University of Texas at Dallas degree. A student must also be registered in the semester in which he graduates from The University of Texas at Dallas.

IN ABSENTIA REGISTRATION

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

CORRESPONDENCE COURSES

Courses done by correspondence are not accepted for graduate credit.

TRANSFER OF CREDIT

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

TIME LIMITS

Master's Degree: All requirements for a Master's Degree must be completed within one six year period. Work over six years old is lost and can be re-instated only by special permission of the Dean of Faculties or his designate, upon recommendation of a particular program.

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

GRADUATION UNDER A PARTICULAR CATALOG

General and specific requirement for degrees in Graduate Programs may be altered in successive catalogs. The student is bound only by the requirements of a single catalog. This will normally be the catalog in force at the time of his admission, within a six year limit, unless he elects to be bound by a subsequent catalog.

PROCEDURES AND REQUIREMENTS FOR GRADUATE DEGREE CANDIDATES

THE MEANING OF GRADUATE EDUCATION

The principal role of a university is to focus on the growth of ideas. From the dawn of mankind the quest for knowledge has been fundamental to the human spirit. It is hardly surprising, then, that scholars should band together to form universities, to pass their knowledge on to others, and to advance the frontiers of knowledge.

The graduate programs of a university contain some of the institution's best faculty and students. The true scholars--both faculty and students--are bound together by their love of learning. The quest for knowledge leads along a difficult path. A scholar must follow it with a spirit of adventure and a love of exploring the unknown. He must exert a tremendous effort to attain competence in his field; he must have the mental discipline to explore topics which may be dull, routine, or difficult; and he must be able to find his way through a forest of petty details. Any attempt to circumvent the difficulties involved in learning leads to mediocrity; there are no short cuts to becoming a scholar.

COMMITTEE ON GRADUATE STUDIES

Each Program has a Committee on Graduate Studies consisting of at least three faculty members. This committee oversees the early academic careers of all graduate students in the Program. It is represented on the Admissions Committee by its chairman.

GRADUATE ADVISER

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

SUPERVISING PROFESSOR

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

SUPERVISING COMMITTEE

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

MASTER'S DEGREES

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

1. Registration (see University Calendar).
2. Taking of any examination required by individual Programs at the time of registration.
3. Demonstration of competence in the subject material of the Program Core Curriculum by completing those courses with acceptable grades or by passing examinations covering the material of those courses.
4. Selection of a Supervising Professor and Supervising Committee for the student (see above).
5. Completion with acceptable grades of graduate-level course work (including Core Courses) totaling a minimum of 30 semester hours.
6. Filing, in the Office of the Dean of Faculties, during the first thirty calendar days of the final semester or first six days of the final summer term (a) a Diploma Name Card (this must be refiled in case of postponement), (b) an Application for Candidacy, if not filed in an earlier semester, and (c) an official transcript of all work done at The University of Texas at Dallas.
7. Submission of a thesis to the student's Supervising Committee not later than six weeks before the first day of final examinations. This requirement may be replaced in certain Programs by additional course work.
8. Submission to the Dean of Faculties for final approval two bound final copies of the thesis, along with certification by the Supervising Committee that the student has completed all required work. These items must be submitted no later than the date specified by the Dean of Faculties.
9. Satisfaction of any special requirements of individual Academic Programs, most of which are outlined in the Program descriptions.

MASTER'S THESIS

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

DOCTOR OF PHILOSOPHY

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

1. Registration (see University Calendar)
2. Taking of any examination required by individual Programs at the time of registration.
3. Demonstration of mastery of the subject material of the Program Core Curriculum by completing those courses with superior grades or by passing with high grades examinations covering the material of those courses.
4. Demonstration of general facility in English and professional facility in one other relevant language.
5. Passing of any Preliminary Examination required by the individual Program.
6. Selection of a Supervising Professor and Supervising Committee for the student (see above).
7. Admission to candidacy by satisfactory performance in an oral Qualifying Examination conducted by members of the Program faculty and open to all other members of the Graduate Faculty of The University of Texas at Dallas. A written examination may also be required by the Supervising Committee.
8. Filing, in the Office of the Dean of Faculties, during the first fifteen calendar days of the final semester or first six days of the final summer session (a) a Diploma Name Card (this must be refiled in case of postponement), (b) an Application for Candidacy, if not filed in an earlier semester, and (c) an official transcript of all work done at The University of Texas at Dallas.
9. Submission of a dissertation to the student's Supervising Committee not later than 40 days before the first day of final examinations.
10. Request for the final oral examination, a public presentation, scheduled formally through the Office of the Dean of Faculties at least two weeks prior to this examination. This request must be accompanied by ten copies of the dissertation abstract and one copy of the candidate's vita. Normally the final oral examination is taken during regular class days in the long session; but in cases where unusual hardship would be involved by insistence on this rule, the Dean may approve the candidate's petition, if it is supported by the Supervising Committee, to have the examination scheduled on a regular class day of the summer session, provided all members of the committee can be present.
11. Submission of the Report of Final Oral form signed by the Supervising Committee to the Office of the Dean of Faculties immediately following completion of the final oral examination. This form certifies that the student has completed the work assigned by the committee; passed all examinations required by the program, including the final oral; completed a dissertation which gives evidence of ability to do independent investigation in the major field, and itself constitutes a contribution to knowledge; and submitted for publication in American Dissertation Abstracts an abstract which meets the approval of the committee.

Procedures and Requirements for Degree Candidates (continued)

12. Submission of the following items to the Dean of Faculties Office not later than thirty days before the end of the semester or summer session in which the degree is to be awarded: (a) an unbound copy of the dissertation, signed by the committee; (b) payment of fee for microfilm reproduction to The University of Texas at Dallas in addition to costs for binding one copy for the University Library; (c) official transcript of all graduate work; (d) copyright disclaimer; (e) survey of earned doctorate; (f) microfilm agreement. All necessary forms may be obtained at the Office of the Dean of Faculties.
13. Satisfaction of any special requirements of individual Academic Programs, most of which are outlined in the Program description.

FOREIGN LANGUAGE REQUIREMENT

1. All doctoral programs in the Graduate Programs have a minimum requirement of proficiency in one relevant foreign language for admission to candidacy. Specific requirements beyond this minimum are stated under each Program.
2. The minimum requirements in foreign languages can be satisfied (a) by an examination approved by the Dean, or (b) by completion of two academic years of study of the language at an approved college with a grade of at least "B", either before or after entering the Graduate Program.
3. The minimum requirement may be waived by the Dean upon special petition of the appropriate graduate studies committee on behalf of the candidate.

DOCTORAL DISSERTATION

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

Not less than sixty calendar days before the prospective date for the awarding of the degree, the Supervising Professor will receive a complete copy of the dissertation (unbound) from the candidate. The Supervising Professor calls for any last changes he still deems necessary, but arranges it so that the other members of the Supervising Committee have at least thirty calendar days to read the unbound copy. After the whole committee has familiarized itself with the dissertation, the members sign a notice of acceptance by which they state their willingness to examine the candidate on his dissertation.

REQUEST FOR FINAL ORAL

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

Procedures and Requirements for Degree Candidates (continued)

FINAL ORAL EXAMINATION (PUBLIC DEFENSE OF DISSERTATION)

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

SUBMISSION AND PUBLICATION OF DISSERTATION

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

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

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

GRADUATE PROGRAMSGRADUATE PROGRAM IN CHEMISTRY (M.S.)

Associate Professors: R.A. Caldwell (Acting Head), D. Rapp, H. Werbin

Assistant Professors: L. Melton, C. Parr

OBJECTIVES

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

PROGRAMS

Within the Chemistry Program opportunities exist for coursework in Physical/Theoretical, Organic, Inorganic, Bio-Organic, and Analytical Chemistry. Areas of research specialization will not include Inorganic and Analytical Chemistry in 1972-73, but faculty additions prior to September 1973 will make these available in subsequent years. The opportunity to take a minor in several of the other U.T. Dallas programs allows the student to prepare himself, if he chooses, for ultimate interdisciplinary work.

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

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

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

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

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

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

FACILITIES

The University of Texas at Dallas has or is in the process of acquiring all equipment and facilities necessary for routine use by its faculty and students in teaching and research. Larger items include a laser spectroscopy facility, a dark laboratory, a 60 MHz NMR spectrometer, assorted spectrophotometers utilizing fluorescence, phosphorescence and absorption, and gas chromatography. A mass

Chemistry Program (continued)

spectrometer is projected for purchase in 1973. Interim arrangements for obtaining mass spectra have been made. Facilities external to Chemistry, but readily available to its use, include the Library, Computer Center, and various other University-wide facilities.

SPECIFIC DEGREE REQUIREMENTS

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

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

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

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

Chemistry Courses

<u>Course</u>	<u>Description</u>
500	Organic Chemistry (3 semester hours) Werbin Chemical bonding, stereochemistry, physical properties, reactions, and mechanism. Characterization by spectroscopic techniques. Primarily for Biology graduate students.
511	Introduction to Chemical Physics (4 semester hours) Rapp Core course. Survey of fundamental ideas of classical, quantum, and statistical mechanics, with examples drawn from atomic structure, chemical bonding, spectra, and dynamics. Relation of bulk properties to microscopic interactions.
512	Chemical Dynamics (3 semester hours) Parr Experimental methods for reaction rates. Theory of unimolecular, bimolecular, and termolecular reactions. Transition state theory and collision theory. Prerequisite: Chemistry 511.
513	Statistical Mechanics (Same as Physics 513) (3 semester hours) Rapp Classical and quantum statistical mechanics, localized and non-localized ensembles. Thermodynamic properties in terms of partition functions for atoms and molecules. Equations of state of non-ideal gases and liquids. Fermi-Dirac and Bose-Einstein statistics with emphasis on extreme degenerate regions. Introduction to the Darwin-Fowler method. Prerequisite: Chemistry 511.

Chemistry Program (continued)

<u>Course</u>	<u>Description</u>
514	Thermodynamics and Kinetic Theory (3 semester hours) Parr Classical thermodynamics with particular emphasis on statistical mechanical interpretations. Solutions, non-ideal gases, non-P-V-T variables. Chemical and phase equilibria. Kinetic theory, molecular collisions, velocity distributions, transport properties. Prerequisite: Chemistry 511.
531	Advanced Organic Chemistry (4 semester hours) Caldwell Core course. Modern concepts of bonding and structure in covalent compounds. Static and dynamic stereochemistry and methods for study. A survey of the relationships between structure and reactivity.
532	Physical Organic Chemistry (3 semester hours) Caldwell Reaction mechanisms. Techniques for determining reaction mechanisms. Reactive intermediates. Applications to synthesis. Prerequisite: Chemistry 531.
533	Synthetic Organic Chemistry (3 semester hours) A survey of modern synthetic methods in organic chemistry. Prerequisite: Chemistry 531 (Not offered 1972-73).
541	Advanced Inorganic Chemistry (3 semester hours) Melton Atomic structure; correlated diagrams, united and separated atoms; molecular orbital theory for 1st and 2nd row atoms, introduction to structure and bonding of transition metals, crystal field theory, ligand field theory.
542	Advanced Inorganic Chemistry (3 semester hours) Melton Crystals, detailed study of transition metal chemistry; survey of structure, reactivity and synthesis by periodic table group; additional topics at discretion of instructor.
551	Instrumental Analysis (3 semester hours) A survey of electronic and instrumental techniques used in modern chemistry. Lecture only; laboratory skills may be gained by registering in an appropriate Research Course.
552	Advanced Analytical Chemistry (3 semester hours) Applications of instrumental techniques to structure determination of organic and inorganic compounds. Lecture only; laboratory skills may be gained by registering in an appropriate research course. Prerequisite: Chemistry 551 or consent of instructor.
621	Atomic and Molecular Spectroscopy (Same as Physics 652)(3 semester hours) Atomic structure; spin-orbit interaction, auto-ionization, selection rules, and effect of external fields; diatomic and polyatomic molecules; symmetry and applications of group theory; molecular vibrations and rotations; electronic band spectra; selection rules and intensities. Prerequisite: Chemistry 511.

Chemistry Program (continued)

<u>Course</u>	<u>Description</u>
622	Quantum Chemistry (3 semester hours) Detailed treatment of wave mechanics applied to particle-in-a-box, harmonic oscillator, and H-atom potentials. Perturbation and variation theory. Approximation methods for atomic and molecular structure. Time-dependent phenomena and transition probabilities. Prerequisite: Chemistry 511.
623	Molecular Spectroscopy (3 semester hours) Melton Electronic structure of atoms and molecules including spin-orbit interactions, selection rules, and effects of external fields; symmetry and applications of group theory; basic theory of magnetic resonance. Prerequisite: Chemistry 622 or consent of instructor. (Not offered 1972-73).
632	Natural Products (3 semester hours) Chemistry and synthesis of naturally occurring and biologically active molecules. (Not offered 1972-73). Prerequisite: Chemistry 533.
639	Special Topics in Organic Chemistry (3 semester hours) Subject matter will vary and the course may be repeated for credit. Examples of topics are: Organic photochemistry, organometallic chemistry, homogeneous and heterogeneous catalysis, and advanced NMR techniques. Prerequisite: Chemistry 531.
690	Seminar (1 semester hour) Staff Presentations of current work by faculty and outside speakers. May be repeated.
699	Research and Literature Seminar (2 semester hours) Staff Student presentation and critical evaluation of independent work and of the recent literature. May be repeated.
911	Research in Physical Chemistry (2 to 12 semester hours) Rapp, Melton, Parr
921	Research in Theoretical Chemistry (2 to 12 semester hours) Rapp, Parr
931	Research in Organic Chemistry (2 to 12 semester hours) Caldwell
941	Research in Inorganic Chemistry (2 to 12 semester hours) (Not offered 1972-73).
951	Research in Analytical Chemistry (2 to 12 semester hours) Staff
961	Research in Biochemistry (2 to 12 semester hours) Werbin
908	Thesis (3 semester hours) (May be repeated for credit)

GRADUATE PROGRAM IN GEOLOGICAL SCIENCES (M.S., Ph.D.)

Professors: A.L. Hales (Head), C.E. Helsley, M. Landisman

Associate Professors: M. Halpern, E. Pessagno

Assistant Professors: J.L. Carter, W.I. Manton, R.M. Mitterer, D.C. Presnall,
P.A. Scholle, J.B. Urban

Undergraduate or Master's work in either chemistry, geology, mathematics, physics, or engineering is acceptable. Deficiencies in undergraduate geology will be offset by strength in order sciences and mathematics. The program is designed specifically to permit students to remedy deficiencies in geology without undue prolongation of course work. Course programs will be designed to meet the specific needs and interests of each student.

SPECIFIC REQUIREMENTS FOR M.S. AND Ph.D. DEGREES:

- A. Each student must fulfill the following Program requirements.
1. Complete with satisfactory grades the Core Courses (Core I and Core II).
 2. Fulfill the minimal mathematics requirement (one course beyond calculus).
 3. Prove his scientific facility in either French, German, Russian, Spanish, or any other foreign language acceptable to the faculty.
 4. Complete a field course. This requirement may be waived by the faculty on the recommendation of the Supervising Professor. (Note: students are responsible for all personal expenses related to field trips.)
 5. Prove his ability to use a computer.
 6. Master's of Science aspirants must take at least 5 advanced courses (exclusive of Core I and Core II) with acceptable grades.
 7. Ph.D. aspirants should normally take at least 7 advanced courses (exclusive of Core I and Core II). Two of these courses may be research courses.
- B. General

Requirements both for admission to candidacy and for granting degrees for the M.S. and Ph.D. are stated under "General Procedures and Requirements for Degree Candidates".

During his first semester in residence, an M.S. or Ph.D. aspirant should select a Supervising Professor upon mutual agreement between the faculty member and the student. Shortly thereafter, the aspirant's Supervising Committee will be appointed, will aid the student in planning his curriculum, and will oversee his research. All these must be approved by the student's Supervisory Committee before the thesis defense and the submission of the thesis to the University.

Geological Sciences (continued)

Facilities for Graduate Work

The research facilities available to students are excellent. They include mass spectrometers, an X-ray diffractometer, an absorption spectrophotometer, an electron microprobe, a scanning electron microscope, high pressure and high temperature experimental petrology laboratories, a paleomagnetic laboratory, an organic geochemistry laboratory, equipment for seismic studies on land and at sea, a seismic data processing system using a PDP-15 computer, and a library of WWSSN records. The university has an IBM 360/50 computer which is available for student computing. Other facilities at Southern Methodist University are available to students.

Geological Sciences Courses

GENERAL

<u>Course</u>	<u>Description</u>
500	Introduction to Geology (3 semester hours) Manton, Presnall, Mitterer A review of earth processes as a whole: Time and geology; geomorphology; igneous and sedimentary processes and products; metamorphism; structure, form and deformation of geologic bodies; evolution of continents and oceans, chemical fractionation within the earth, etc. This course is open only to students whose major undergraduate study was in subjects other than geology.
501	Core I (3 semester hours) Staff. Modern concepts of the structure and chemistry of the Earth's interior, and the methods by which this information is obtained; earth shaping processes; the origin and chemistry of crustal materials and their relation to the crust-mantle system; regional and global tectonics.
502	Core II (3 semester hours) Staff. Regional and global stratigraphy with emphasis on the tectonic framework and chemical evolution of sediments; evidence for early life and the ecologic significance of its subsequent evolution; modern concepts of bio- and lithostratigraphic correlation.
503	Use of the Computer (3 semester hours) Roberts An introduction to computer languages and programming as applied to geological problems. Laboratory sessions are included.
505	Field Geology (4 semester hours) Helsley, Manton, Halpern, Scholle An introduction to the interrelation of geologic features in the field including the fundamental principles and techniques of geologic mapping. Course consists of lectures, 8 days of detailed field mapping and preparation of a report prepared in professional form.

Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
506	Field Geology - Summer Camp (6 - 12 semester hours) Staff. (Note: Students are responsible for all personal expenses related to field trips.)
PALEONTOLOGY	
530	Invertebrate Paleontology (3 semester hours) Pessagno Studies of the morphology, evolution, classification, and paleoecology of invertebrates important in the fossil record. (two lectures and two labs).
531	Principles & Methods of Paleontology (3 semester hours) Urban, Pessagno Collection, processing, and microscopic techniques in paleontology
532	Micropaleontology I (4 semester hours) Pessagno Introduction to the study of invertebrate microfossils with emphasis on the Foraminiferida, Ostracoda, and Radiolaria (Two lectures and one lab).
533	Palynology I (4 semester hours) Urban An introduction to palynology. Morphology, systematics and stratigraphic distribution of Mesozoic and Cenozoic palynomorphs, including spores, pollen, dinoflagellates, and hystrichospheres.
534	Paleoecology (3 semester hours) Urban Relations between sediment type, organism distribution, diagenesis, and the historical continuity of community organization.
632	Micropaleontology II (4 semester hours) Pessagno Morphology, phylogeny, and classification of Mesozoic and Cenozoic planktonic Foraminiferida. (Two lectures and one lab).
634	Palynology II (4 semester hours) Urban Morphology, systematics and stratigraphic distribution of Paleozoic palynomorphs, including spores, pollen acritarchs, chitinozoa, and microscopic algae.
638	Seminar in Paleontology (3 semester hours) Pessagno
639	Seminar in Palynology (3 semester hours) Urban
930	Research in Paleontology (1-12 semester hours) Pessagno, Urban May be repeated for credit.

Geological Sciences (continued)

SEDIMENTARY - STRATIGRAPHY

<u>Course</u>	<u>Description</u>
541	Biostratigraphy (3 semester hours) Pessagno Principles of biostratigraphy. Evolution of modern biostratigraphic nomenclature: D'Orbigny to Hedberg, Prerequisite: An upper division undergraduate course or graduate course in paleontology.
542	Sedimentary Environments (3 semester hours) Scholle The interpretation of ancient sedimentary environments of deposition based on the study of primary sedimentary structures, grain size analysis, fossils, trace fossils, unit geometry, quartz grain surface textures, trace element, geochemistry, etc. Deals with clastic terrigenous as well as carbonate sediments.
543	Introductory Sedimentology (3 semester hours) Scholle, Mitterer Physical and chemical aspects of sedimentation.
644	Sedimentary Petrography I (4 semester hours) Scholle Description, classification and genesis of clastic terrigenous sedimentary rocks in thin-section and hand sample. Emphasis is on sandstones, but coverage of siltstones, shales and chemical deposits (cherts and evaporites) also is included.
645	Sedimentary Petrography II (3 semester hours) Scholle Study of the origin, textures, distribution patterns and alteration of recent and ancient carbonate sediments. The chemistry of formation and diagenesis of carbonates will be emphasized.
646	Sedimentary Petrography III - Petrography of Carbonate Sediments (4 semester hours) Scholle Description, classification and genesis of carbonate grains as seen in thin-section and hand samples. Includes the microscopic identification of calcareous fossils.
648	Seminar in Stratigraphy (3 semester hours) Urban, Pessagno
649	Seminar in Sedimentation (3 semester hours) Staff
940	Research in Biostratigraphy-Paleontology (1-12 semester hours) Urban, Pessagno
945	Research in Stratigraphy-Sedimentology (1-12 semester hours) Staff

GEOCHEMISTRY

551	Biogeochemistry (3 semester hours) Mitterer Composition and distribution of organic matter in sedimentary environment; influence on sedimentary processes; carbonate geochemistry; organic-inorganic interactions; diagenesis; origin of life and petroleum.
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Geological Sciences (continued)

<u>Course</u>	<u>Description</u>
552	Environmental Geochemistry (4 semester hours) Carter Geochemistry of the sedimentary environment including atmosphere, hydrosphere and biosphere and the effects of man on the environment.
553	Sedimentary Geochemistry (3 semester hours) Mitterer Organic and inorganic aspects of the sedimentary environment including sediments, water and organisms.
554	Instrumental Techniques in Geochemistry-Petrology (4 semester hours) Carter Modern instrumental techniques including atomic absorption spectrophotometry, mass spectrometry, electron microprobe spectrophotometry, mass spectrophotometry, scanning electron microscopy, and X-ray diffraction and sample preparation.
555	Electron Microprobe Techniques (4 semester hours) Carter Introduction to principles and procedures in scanning electron microprobe spectrophotometry including energy dispersive analysis.
650	Geochemistry (3 semester hours) Carter Principles of geochemistry including geochemistry of the elements, the hydrosphere, the atmosphere and the biosphere; chemical evolution of the solar system and igneous and sedimentary rocks.
653	Isotope Geochemistry (3 semester hours) Manton Application of isotopic abundance measurements of stable and radiogenic isotopes to problems concerning the origin of the elements, the solar system and rock systems.
654	Geochronology (4 semester hours) Halpern Uranium-lead, rubidium-strontium, and potassium-argon radiometric age dating as applied to the solution of geologic problems.
655	Geochemical Prospecting & Ore Deposits (3 semester hours) Carter Geochemical methods in mineral exploration including analytical techniques and studies of weathering, soil formation, primary and secondary dispersion patterns and anomalies; evaluation of ore bodies in terms of economics and genesis.
657	Seminar in Isotope and Trace Element Geochemistry (3 semester hours) Manton Discussion of the application of radiogenic isotopes and trace element fractionation patterns to the problem of the origin of igneous rocks.
658	Seminar in Geochemistry (3 semester hours) Staff
659	Seminar in Geochronology (3 semester hours) Halpern
950	Research in Geochemistry (1-12 semester hours) Staff May be repeated for credit.

Geosciences Courses (continued)

<u>Course</u>	<u>Description</u>
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GENERAL GEOPHYSICS

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| 580 | Applied Geophysics I (3 semester hours) Landisman
Techniques and interpretation of seismic, gravitational, magnetic, and electric prospecting methods as applied to exploration of the crust. |
| 581 | Paleomagnetism (3 semester hours) Helsley
Magnetic properties of rocks; their measurements and analysis; past behavior of the Earth's magnetic field and its relation to continental drift and global tectonics. |
| 582 | Potential Methods in Geophysics (3 semester hours) Hales
Potential theory, emphasizing application to geophysical problems, such as gravity, magnetics, and heat flow. |
| 583 | Instrumental Techniques in Geophysics (4 semester hours) Hales
A discussion of the instruments commonly used in investigating the interior of the Earth. |
| 680 | Applied Geophysics II (3 semester hours) Landisman
Continuation of topics in Applied Geophysics I. (Permission of instructor required). |
| 683 | Seminar in Rock Magnetism (3 semester hours) Helsley |
| 682 | Terrestrial Magnetism & Geoelectricity (3 semester hours) Staff
Studies of the main magnetic field of the Earth; secular variation; external magnetic field; electromagnetic induction and conductivity in the Earth. |
| 688 | Seminar in Electromagnetic Sounding (3 semester hours) Landisman |
| 689 | Seminar in Paleomagnetism (3 semester hours) Helsley
Current topics in paleomagnetism and their relation to geology and geophysical applications. |
| 980 | Research in Geophysics (1-12 semester hours) Staff
May be repeated for credit. |

SEISMOLOGY

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| 590 | Seismology (3 semester hours) Hales
An introductory course in seismology. Analysis of stress and strain; the wave equation; plane and spherical waves; surface waves; seismicity; earthquake mechanisms. |
| 691 | Geophysical Implications of Plate Tectonics (2 semester hours)
Landisman
Survey of some of the important geophysical consequences of plate tectonics. Case studies of several geographical regions, and of a variety of geophysical subjects will be used as illustrative material. |
| 692 | Physics of the Interior of the Earth I (3 semester hours) Hales
Seismic studies of the crust, mantle, and core; physical and mechanical properties of the interior; thermal history of the Earth and the mechanics of tectonics and orogenic processes. |

Geosciences Courses (continued)

<u>Course</u>	<u>Description</u>
693	Physics of the Interior of the Earth II (3 semester hours) Hales Continuation of 692.
695	Theoretical Seismology I (3 semester hours) Landisman Background of elastic wave theory. Mathematical and physical basis, fundamental concepts. Must be taken concurrently with 697. Permission of instructor required.
696	Theoretical Seismology II (3 semester hours) Landisman Continuation of theoretical basis for elastic wave propagation, dispersion, generation, and attenuation. Must be taken concurrently with 698. Prerequisites: Theoretical Seismology I & Seismological Literature I.
697	Seismological Literature I (3 semester hours) Landisman Study of selected references illustrating important ideas related to the propagation, dispersion, generation and attenuation of elastic disturbances. Must be taken concurrently with 695. Permission of instructor required.
698	Seismological Literature II (3 semester hours) Landisman Continuation of study of selected references illustrating important concepts in elastic waves. Must be taken concurrently with 696. Prerequisites: Theoretical Seismology I and Seismological Literature I.
699	Seminar in Seismology (3 semester hours) Staff Discussion and review of literature on selected topics in seismology.
990	Research in Seismology (1-12 semester hours) Staff May be repeated for credit.
908	Thesis (3 semester hours) May be repeated for credit.
909	Dissertation (3 semester hours) May be repeated for credit.

Geosciences Courses (continued)

<u>Course</u>	<u>Description</u>
PETROLOGY-MINERALOGY	
560	Advanced Mineralogy (4 semester hours) Carter Optical, X-ray and electron microprobe studies of rock-forming minerals.
563	Introduction to Petrology (4 semester hours) Presnall, Carter Igneous and metamorphic petrology for graduate students not specializing in petrology. Topics include use of petrographic microscope, mineralogy, crystallography, and discussion of igneous and metamorphic processes in light of recent concepts of sea floor spreading.
660	Thermodynamics and Phase Equilibria (3 semester hours) Presnall Application of thermodynamics to petrologic problems, open and closed systems, pressure-temperature-composition phase diagrams, pressure temperature projections of multicomponent systems using Schreinemaker's rules, methods of deducing paths of crystallization and fusion, calculation of phase diagrams from thermodynamic data. Prerequisite: Physical chemistry.
661	Advanced Petrology (3 semester hours) Presnall Origin of igneous and metamorphic rocks in light of recent theoretical, experimental, and field studies, facies, concept, petrology of the crust and upper mantle, basalt, granite, and andesite genesis. Prerequisite: Thermodynamics and phase equilibria.
669	Seminar in Petrology (3 semester hours) Staff
960	Research in Petrology (1-12 semester hours) Staff May be repeated for credit.
STRUCTURAL GEOLOGY - TECTONICS	
570	Structural Geology (3 semester hours) Manton Intermediate Level
571	Tectonics (3 semester hours) Helsley Major structural features of the Earth, their origin and history as related to continental drift, sea floor spreading, and the properties of the interior.
572	Regional Geology of North America (3 semester hours) Urban Historical development of the North American Continent.
573	Regional Geology (excluding North America) (3 semester hours) Scholle, Helsley, Manton, Halpern, Pessagno Examination of the stratigraphy and tectonics of selected areas in central Europe, the Caribbean, Africa, South America and Antartica and their relation to a global tectonic framework.
574	Petroleum Geology (3 semester hours) Scholle, Mitterer, Urban, Ourside Lecturers A practical course in petroleum exploration. Porosity and permeability as related to lithology, stratigraphic and structural trapping, regional trends, the origin of oil, log interpretation, geophysical exploration and hydrodynamics of fluid flow will be emphasized.

Geosciences Courses (continued)

<u>Course</u>	<u>Description</u>
670	Advanced Structural Geology (3 semester hours) Helsley Mechanics of materials, development of rock fabrics, development of basins and mountain systems with particular emphasis on those of the North American Continent.
671	Marine Geology (3 semester hours) Scholle, Hales The water masses and circulation of oceans will be related to oceanic chemistry as well as processes and patterns of sediment deposition. The emphasis will be on oceanic sediments but outer shelf and slope deposition will also be discussed. Geophysical and deep-sea drilling results will be used to outline the rates of deposition and thicknesses of sediments in various basins.
679	Seminar in Tectonics (3 semester hours) Helsley Discussions of selected topics in major features of the earth, such as sea-floor spreading, plate tectonics, development of island arcs, and deformation of mountain systems.
970	Research in Structural Geology-Tectonics (1-12 semester hours) Helsley May be repeated for credit

GRADUATE PROGRAM IN MANAGEMENT AND ADMINISTRATIVE
SCIENCES (M.S.)

Professors: L. H. Smith, H. F. VanZandt

Lecturer: E. E. Payne

Successful management and administrative 'problem solvers' must (1) have a good foundation in the basic disciplines (e. g., economics, mathematics, etc.) which are applicable in management and administration; (2) possess a keen understanding of the basic functions (e. g., accounting, marketing, production, etc.) involved in management and administration; (3) be skilled in both the theory and applications to management and administration of the partially mathematical sciences (e. g., statistics, operations research, computer sciences, etc.); (4) be adept at applying the basic aspects of the behavioral sciences (e. g., psychology, anthropology, etc.) to problems in management and administration; and (5) possess the ability to utilize in innovative and creative ways the above four attributes in a "systems" fashion.

Prerequisites will be set so that an individual entering the program not only will be well grounded in mathematics, computer programming, and the logic of algorithmic processes, but also will possess an ability to read rapidly and comprehend effectively as well as have a good capability in English grammar and composition.

Beginning with these prerequisites, an individual will progress through a program which has three basic premises: (1) mathematical and related concepts (both theory and applications) must be emphasized in classroom activities; (2) basic management and administrative concepts and relevant behavioral concepts can be mastered with minimal classroom exposure, augmented by well-structured integrated reading seminars; and (3) integration of all theory, concepts, and appropriate applications can be achieved in various specializations (e.g., information science, data management, management in education, management and administration, management of financial institutions, management for the delivery of health services, planning of management systems, and management for transportation) through appropriately selected seminars in management systems (which emphasize innovative and creative applications of statistics, operations research, and computer sciences).

The student will be (1) rigorously grounded, (2) application-oriented but theoretically-capable, and (3) motivated toward and capable of "problem solving."

For detailed description of the entire Program, see the Supplement forthcoming in Summer, 1972. A 48-hour Program will be developed from the following 600-level courses and appropriate electives to be described in the Supplement.

Management and Administrative Sciences Courses

<u>Course</u>	<u>Description</u>
511	Mathematics for Management Sciences I (3 semester hours) Elementary mathematics including basic elements of differential and integral calculus and relevant topics from advanced calculus with specific applications in management and administrative sciences.
512	Mathematics for Management Sciences II (3 semester hours) Elementary mathematics including linear and matrix algebra and relevant topics from difference and differential equations with specific applications in management and administrative sciences.

Management and Administrative Sciences Program (continued)

- 521 Algorithmic Processes (3 semester hours)
An introduction to algorithmic processes and computer sciences with special attention to problems in management and administrative sciences.
- 611 Quantitative Management Sciences I (3 semester hours)
An introduction to the basic theory and applications in management and administrative sciences of statistics and operations research.
- 612 Quantitative Management Sciences II (3 semester hours)
Continuation of 611.
- 613 Quantitative Management Sciences III (3 semester hours)
Continuation of 612.
- 631 Accounting I (3 semester hours)
Basic, managerial, and cost accounting with statistical and operations research applications. Institutions of interest will not be restricted to business and industrial firms.
- 632 Accounting II (3 semester hours)
Continuation of 631.
- 641 Finance I (3 semester hours)
Introduction to applied economics and finance, including aspects of both microeconomics and macroeconomics. Emphasis will be given to managerial aspects of microeconomics with business and finance flavor, as well as applications of statistics and operations research in finance.
- 642 Finance II (3 semester hours)
Continuation of 641.
- 651 Management Systems I (3 semester hours)
An introduction to management information systems, including basic cybernetics and systems theory with major emphasis on data storage, manipulation and retrieval.
- 652 Management Systems II (3 semester hours)
Continuation of 651 with extensions to the study of design, analysis, and synthesis of operating systems: marketing, production (including service operations), financial, etc.
- 653 Management Systems III (3 semester hours)
The study of management systems in various institutional settings. Case-flavored quantitative studies of statistics and operations research applications in the various institutions will be included.
- 661 Behavioral Management Science (3 semester hours)
Introduction to behavioral science, including organization theory and human motivation and behavior.
- 671 Readings in Management I (3 semester hours)
Integrated reading seminar in market, production, value theory, sociology, psychology, computers in society, organization, decision making, management-policy, communication, and other topics.
- 672 Readings in Management II (3 semester hours)
An integrated reading seminar involving in-depth reading in various type business and public institutions, social problems, and the interactions between the two sets of information.

GRADUATE PROGRAM IN MATHEMATICAL SCIENCES (M.S., M.A.T.)

Professors: I. Ozsvath, W.A. Rindler, I. Robinson

Associate Professor: J.E. Midgley

The need for applied mathematics is constantly growing as other sciences mature; problems which require its use are numerous and pressing, and its practitioners are eagerly employed. For some years to come, the University of Texas at Dallas mathematics program will concentrate on applied mathematics, beginning with a Master's program. The range of courses offered initially will cover a minimal but basic and respectable field; statistics, computer science, and applied analysis (differential equations, numerical methods, etc.). This could lead to careers in any of these three fields, but it could also lead to work in physics, environmental sciences, management science, and so on. The aim will be to turn out thoroughly modern applied mathematicians, i.e., those conversant with, and not hostile to, the powerful language and concepts of basic modern pure mathematics.

In view of the above facts, the University of Texas at Dallas does not propose to establish separate graduate programs in applied mathematics, pure mathematics, computer science, and statistics. Rather, it proposes a single program, essentially in applied mathematics, with options whereby the student may pursue special interests in applied mathematics, computer science, statistics, or operations research. This is not to say that courses (and eventually options) in pure mathematics will not be available, for such courses provide essential theoretical training for any mathematician, regardless of his particular goals. The present program will train the student in the use of the tools of the mathematical sciences to solve problems in the other sciences (physics, biology, chemistry, geology, economics, environmental sciences) as well as in the management, administrative, and social sciences.

For a detailed description of the entire Program, see the Supplement forthcoming in Summer, 1972.

Mathematical Sciences Courses

<u>Course</u>	<u>Description</u>
511	Basic Applied Mathematics I (3 semester hours) An introduction to elementary algebra including matrices, determinants, and vector spaces.
512	Basic Applied Mathematics II (3 semester hours) Introduction to complex variables including analytic functions, conformal mappings, contour integrals and the theory of residues.
513	Modern Algebra I (3 semester hours) Study of modern algebra involving groups, rings, and fields.
514	Modern Algebra II (3 semester hours) Continuation of 513

Mathematical Sciences Program (continued)

<u>Course</u>	<u>Description</u>
515	Modern Analysis I (3 semester hours) Introduction to modern analysis involving formal set theory, elementary topology and Lebesgue theory.
516	Modern Analysis II (3 semester hours) Continuation of 515
517	Mathematical Methods of Physics I (4 semester hours) Solution of ordinary differential equations by power series, analytic approximation, WKB method, and numerical integration; classification and numerical integration of partial differential equations, solution by separation of variables; eigenfunctions; Legendre functions and spherical harmonics; Bessel functions; Green's functions' Vectors and Matrices; Probability and statistics. (Previous exposure to most of the topics is assumed.) (Same as Physics 501)
518	Mathematical Methods of Physics II (4 semester hours) Infinite series, summation and transformation; contour and saddle point integration; integral transforms; Hypergeometric, Mathieu, and Elliptic functions; perturbation theory; integral equations; calculus of variations; tensor analysis; group representations. (Normally follows 501) (Same as Physics 502)
613	Numerical Methods I (3 semester hours) A study of numerical methods including interpolation and integration, numerical solutions of algebraic and transcendental equations, of ordinary and partial differential equations, and of matrix inverstions.
614	Numerical Methods II (3 semester hours) Continuation of 613
615	Differential Equations I (3 semester hours) The theory of differential equations with emphasis on modern methods of solution.
616	Differential Equations II (3 semester hours) Continuation of 615
621	Computer Science I (3 semester hours) The theory of computer science, computers, and algorithmic processes.
622	Computer Science II (3 semester hours) Continuation of 621
623	Computer Languages I (3 semester hours) A study of machine languages and various programming languages.
624	Computer Languages II (3 semester hours) Continuation of 623
625	Advanced Computer Science (3 semester hours) Advanced topics in computer science.

Mathematical Sciences Program (continued)

<u>Course</u>	<u>Description</u>
631	Statistical Inference I (3 semester hours) Introduction to Statistical Inference
632	Statistical Inference II (3 semester hours) Intermediate Statistical Inference
633	Experimental Design I (3 semester hours) Introduction to Experimental Design
634	Experimental Design II (3 semester hours) Intermediate Studies in Experimental Design
635	Sampling I (3 semester hours) Introduction to sampling theory and techniques.
636	Sampling II (3 semester hours) Intermediate study in sampling and sampling techniques.
908	Thesis (3 semester hours) (may be repeated for credit)

GRADUATE PROGRAM IN MOLECULAR BIOLOGY (M.S., Ph.D.)

Professors: H. Bremer, R.C. Clowes (Head), W. Harm, D.L. Harris, J. Jagger,
D.J. McCorquodale, C.S. Rupert.

Associate Professors: E.W. Guttus, H. Gutz, D.A. Lang, H. Werbin

Assistant Professors: R.G. Cutler, D.M. Gray, J. Kemper, M.H. Patrick, P. Witonsky

OBJECTIVES

The Master of Science degree provides students with the fundamentals of the molecular approach to biological problems and with an introduction to the methodology of research in this area. The Doctor of Philosophy degree is designed for students that show originality in research; it prepares them for certain roles in industry, research positions in governmental laboratories, and academic careers.

PROGRAMS

First-year students will normally complete a body of Core Courses that emphasize fundamentals in quantitative biology, biological chemistry, physical chemistry of macromolecules, molecular genetics, and cell physiology. Students may then proceed to advanced course work in any of the four general areas of Biological Chemistry, Genetics, Biophysics, and Cell Physiology. All elective courses are open to any student qualified to take them, but it is expected that students will specialize in one of these four areas.

Research may be undertaken on problems related to enzymes of protein and nucleic-acid metabolism; structure and physical chemistry of polynucleotides, nucleic acids, and viruses; structure and function of genetic elements; gene function in viruses and microorganisms; the mechanism of recombination; the cell cycle of eukaryotes; molecular aspects of aging; radiation biology, and ultraviolet photochemistry and photobiology.

FACILITIES

Major equipment in present use by faculty and available for the teaching and research of graduate students includes: a Siemens electron microscope facility, a Spinco Model E analytical ultracentrifuge and several Spinco preparative centrifuges, a Joyce-Loebl microdensitometer, a Hewlett-Packard desk computer, a Coulter counter, a variety of electrophoresis units, a Beckman amino-acid analyzer, 200-liter and 10-liter fermentors, a batch lyophilizer, a 150-kilovolt X-ray machine, several planchet counters, five scintillation counters, a gas chromatograph, and many spectrophotometers (Gilford, Zeiss PMQ, Cary recording, Perkin-Elmer infrared, Perkin-Elmer recording spectrofluorimeter, Aminco-Chance duochromator, and Bonet-Maury biospectrophotometer). A Cary spectroscopy system for circular dichroism studies has recently been interfaced with a computer and is now operational. Arrangements for use of nuclear-magnetic-resonance facilities can be made.

Centralized and shared facilities include: a darkroom, balance room, cold working laboratory, three constant temperature rooms, three rooms housing special equipment such as spectrophotometers and scintillation counters, a chromatography room, an electrophoresis room, a media kitchen with several autoclaves and automatic washing machines, and a fully equipped workshop.

In addition to these specific facilities, a number of University general facilities are available to the student, such as Library and Computer Center (see "General Information").

Molecular Biology Program (continued)

PROCEDURES FOR DEGREE CANDIDATES

For full participation in the graduate program in Molecular Biology, the student ideally should have a solid background in calculus, general physics, physical and organic chemistry, and general biology. Entering students may not have this complete background. Prospective students should therefore expect to take some additional course work in their first year or in the summer immediately preceding.

Students entering in September will be required to take a Preliminary Examination in January of their second year if at least three lecture Core Courses have been completed. (Students entering in January will take the Preliminary Examination in September of the following year.) Upon satisfactory completion of the Core Courses, and at least satisfactory performance in the Preliminary Examination, the student will enter either an M.S. program or a Ph.D. program. At that time, a Supervising Professor will be appointed for each student, based upon mutual agreement between student and faculty. The Dean of Graduate Studies will then set up a Supervising Committee, with the Supervising Professor as chairman, which will oversee the research and thesis work of the student and will help him plan his Elective Course Curriculum. The Supervising Committee will normally have four faculty members and, for Ph.D. candidates, one or more members from an academic institution other than The University of Texas at Dallas.

Specific requirements for M.S. degree. Requirements for admission to candidacy and for granting of the Master of Science degree include the normal ones (see "Procedures and Requirements for Graduate Degree Candidates", page _____), plus satisfactory performance on the Preliminary Examination (see above). The thesis may reflect either laboratory or library research, or both; this will be determined by the student's Supervising Committee.

Specific requirements for Ph.D. degree. Requirements for admission to candidacy and for granting of the Doctor of Philosophy degree include the normal ones (see "Procedures and Requirements for Graduate Degree Candidates", page _____), plus superior performance on the Preliminary Examination (see above).

Molecular Biology Courses
Core Curriculum

<u>Course</u>	<u>Description</u>
501	Introduction to Quantitative Biology (3 semester hours) Jagger, Cutler, Patrick An introduction to the quantitative approaches used in modern molecular biology, biochemistry, and biophysics. The principal function of the course is to provide training in quantitative problem solving in biology. (Prerequisite: calculus).
510	Biological Chemistry (4 semester hours) McCorquodale, Harris, Witonsky Chemistry and metabolism of cellular constituents: proteins, nucleic acids, carbohydrates, lipids, vitamins, and cofactors.
520	Molecular Genetics (5 semester hours) Bremer, Cutler, Kemper Molecular approach to structure, replication, mutation, and phenotypic expression of genetic material of viruses, prokaryotes, and eukaryotes.

Molecular Biology Program (continued)

<u>Course</u>	<u>Description</u>
530	Macromolecular Physical Chemistry (4 semester hours) Lang, Gray, Rupert Analysis of the nature and properties of macromolecules: interaction with radiation, thermodynamics of macromolecular solutions, transport processes, conformations of polymers, polyelectrolytes, denaturation, macromolecular associations. (Prerequisite: 501 or equivalent.)
540	Cell Physiology (4 semester hours) Harris, Guttes Molecular organization and function of cells and subcellular organelles; membranes and transport processes; excitation and response; regulation of metabolism; chromosome structure.
550	Methods in Molecular Biology (3 semester hours) Staff Individual laboratory instruction in biological, biophysical, and biochemical techniques. Normally taken for four semesters.

Collateral Courses

These courses may be taken by the student at any point in his graduate career.

Courses offered in other Graduate Programs of The University of Texas at Dallas, in particular those in computer techniques, may be taken for credit by the student in Molecular Biology with the approval of his Graduate Advisor and the course instructor. Some courses may be taken for credit at nearby universities, if similar approvals are obtained.

<u>Course</u>	<u>Description</u>
591	Science and Human Values (1 semester hour) Witonsky and Staff A series of informal discussions among faculty, students and invited speakers dealing with the impact of science on society, avenues for pursuing rational solutions to problems, and the responsibility of the scientist.

Advanced Study

Work is offered beyond the Core Curriculum in four major areas that parallel the four lecture-type Core Courses. Each area provides elective courses, advanced colloquia, and dissertation opportunities.

The elective courses will be offered on a systematic rotation over several years, permitting the student to select a course program appropriate to his specialty and interests. In 1972-73 it is expected that about two elective courses will be offered each semester.

Topics in Biological Chemistry

Bremer, Cutler, Gray, Gutz, Harris, McCorquodale, Werbin, Witonsky

<u>Course</u>	<u>Description</u>
611	Macromolecular Biosynthesis (3 semester hours) Mechanisms of DNA, RNA, and protein biosynthesis by viruses, bacteria, and eukaryotes.

Molecular Biology Program (continued)

<u>Course</u>	<u>Description</u>
612	Regulation of Biosynthetic Pathways (3 semester hours) Mechanisms that regulate the output of various metabolic pathways -- allostery, feedback inhibition, repression, enzyme half-life, etc.
613	Nucleic Acids (3 semester hours) Chemical and physical properties of nucleic acids and their constituent nucleotides, nucleosides, sugars, and bases.
614	Proteins (3 semester hours) Chemical and physical properties of proteins: primary, secondary, tertiary, and quaternary structure, sequence analysis, chemical modification, purification methods, classification of proteins and enzymes, conformation of catalytic sites.
615	Enzymology (3 semester hours) The development of enzyme kinetics from basic principles: activation, inhibition, cooperativity, pH, ionic strength, temperature effects; reaction mechanisms; prosthetic groups and active sites.
616	Industrial Microbiology (3 semester hours) Typical and potential uses of microorganisms in industry; techniques for large-scale growth of microorganisms.
619	Colloquium in Biological Chemistry (3 semester hours)

Topics in Genetics

Bremer, Clowes, Guttus, Gutz, Harm, Kemper, McCorquodale

<u>Course</u>	<u>Description</u>
621	Phage Genetics (3 semester hours) Phage recombination: lysogeny; mutation; developmental regulation of phage development; correlations of genetic maps with physiological functions.
622	Bacterial Genetics (3 semester hours) Recombination, lysogeny, mutation, and regulation in bacteria.
623	Genetics of Eukaryotes (3 semester hours) Classical genetics of eukaryotes: chromosomal rearrangements; mutagenesis; polyploidy and polyteny; meiosis; sex determination; population genetics.
624	Fungal Genetics (3 semester hours) Genetics of Ascomycetes and Basidiomycetes, including cytoplasmic inheritance, genetics of development.
625	Extrachromosomal Factors (3 semester hours) Genetics, structure, replication and expression of bacterial plasmids: sex factors, colicin factors, infectious drug-resistance factors.
629	Colloquium in Genetics (3 semester hours)

Molecular Biology Program (continued)

Topics in Biophysics

Cutler, Gray, Harm, Jagger, Lang, Patrick, Rupert

<u>Course</u>	<u>Description</u>
631	Instrumental Analysis (3 semester hours) Optical and electronic instruments; computer interfacing.
632	Electron Microscopy (3 semester hours) Theory and practice of electron microscopy, with emphasis on <u>in vitro</u> studies of macromolecules.
633	Theoretical Biophysics (3 semester hours) Equilibrium and nonequilibrium thermodynamics; atomic and molecular spectroscopy; quantum biochemistry; excitation and bonding of organic molecules.
634	Radiation Biology (3 semester hours) Interactions of ionizing, ultraviolet, and visible radiations with matter; radioisotopes; biological effects, cellular repair of radiation damage; biological photoreceptors.
635	Ultraviolet Photobiology (3 semester hours) Action of far-ultraviolet radiation on proteins, nucleic acids, and cells; cellular repair of far-ultraviolet damage; effects of near-ultraviolet radiation on molecules and cells; photosensitization and photodynamic action; sunburn and skin cancer. (Prerequisite: 634).
636	Biophysics of Polymers (3 semester hours) Hydrostatic, hydrodynamic, and optical approaches to determination of structure and function of biologically important polymers.
639	Colloquium in Biophysics (3 semester hours)

Topics in Cell Physiology

Bremer, Clowes, Cutler, Guttus, Gutz, Harris, Jagger

641	Bioenergetics (3 semester hours) Ultrastructural and functional mechanisms for capture, storage, and transduction of energy for biosynthesis, transport, electrical and mechano-chemical activity; regulatory mechanisms; rhythmical phenomena.
642	Cellular Excitation and Response (3 semester hours) Membrane structure and dynamics; specific transport problems; bioelectric phenomena; excitation and conduction; synaptic transmission; trophic influences; secretion.
643	Cellular Heredity (3 semester hours) Molecular genetics of eukaryotes; macromolecular synthesis; cell cycle, cytokinesis and karyokinesis; nuclear-cytoplasmic transfers; cell hybrids.

Molecular Biology Program (continued)

<u>Course</u>	<u>Description</u>
644	Developmental Biology (3 semester hours) Cellular differentiation and specialization in protozoa and multicellular organisms; organelle synthesis and assembly; macromolecular synthesis and regulation in differentiating cells; differentiation in specific cells; multicellular morphogenesis.
645	Cytopathology (3 semester hours) Genetic defects of cell structure and function; cellular responses to physical, chemical or biological stress; immune response; cell transformation; animal and plant viruses.
646	Cellular Gerontology (3 semester hours) Molecular mechanisms of aging processes: descriptions, models, implications.
649	Colloquium in Cell Physiology (3 semester hours)

General Courses

691	Seminar in Molecular Biology (1 semester hour) (S-U grading)
692	Readings in Molecular Biology (3 to 6 semester hours)
693	Colloquium in Molecular Biology (1 semester hour) (S-U grading)
901	Research in Molecular Biology (1 to 12 semester hours)
908	Thesis (3 semester hours) (may be repeated for credit)
909	Dissertation (3 semester hours) (may be repeated for credit)

GRADUATE PROGRAM IN PHYSICS (M.S., Ph.D.)

Professors: E. J. Fenyves, W. B. Hanson, W. J. Heikkila, F. S. Johnson, I. Ozsvath,
W. A. Rindler, I. Robinson

Associate Professors: C. B. Collins (Head), J. H. Hoffman, J. E. Midgley (Graduate
Adviser), D. Rapp, B. A. Tinsley

Assistant Professors: R. C. Chaney, R. R. Hodges, Jr., W. B. Hurt, L. Melton,
R. A. R. Palmeira, C. Parr

OBJECTIVES

The basic objective of the Graduate Program in Physics is to identify and develop individuals who will ultimately contribute in the most advanced and creative way to the pressing needs of a technologically dependent society. In pursuit of this objective the Master's Program seeks to provide a thorough grounding in the fundamentals of physics and in the techniques of research. The Doctoral Program proceeds from this point to build a capability of contributing in a significant way to the body of physical knowledge.

PROGRAMS

There are currently eight areas of research specialization in the Physics Program: Applied Physics and Instrumentation; Atmospheric and Space Physics; Atomic and Molecular Physics; Chemical Physics; Plasma Physics; Quantum Electronics; Relativity and Cosmology; and Solid State Physics. Both experimental and theoretical work is done in most of these areas, and it is expected that a student will gain familiarity with several of them in addition to specializing in a particular one.

FACILITIES

For atmospheric and space physics there are facilities for the design, fabrication and testing of such rocket and satellite-borne instrumentation as electron probes, mass spectrometers, and cosmic ray detectors. Experiments conceived and implemented here have been incorporated into many of the major NASA satellites and probes and into many smaller rocket and balloon flights. The faculty and students continue to participate in many major NASA rocket and satellite programs, including Apollo, Pioneer, ISIS, IMP, and OGO. A modular recoverable rocket probe designed and built entirely in-house provides rapid turnaround time for ionospheric experiments. Atmospheric optical emissions are studied at an affiliated mountain laboratory.

In atomic and molecular physics there exist both pulsed and flowing afterglow systems with visible and ultraviolet tandem double monochromators, a vacuum ultraviolet spectrometer and a microwave interferometer available for diagnostics. An H-P 2116A on-line instrumentation computer is available for rapid data acquisition and real-time analysis situations.

A high energy laser project provides facilities for the study of superradiant emissions from high density plasmas created by pulsed irradiation with electron beams of gigawatt peak power. The basic excitation transfer mechanisms important to quantum electronics can be studied in a unique fluorescent spectroscopy system employing several tuneable dye lasers.

Small computers are available for use in applied physics projects concerned with the optimization of real time measurement, analysis and control systems.

Theoretical activities in solid state physics and relativity are facilitated by extensive software libraries.

PROCEDURES FOR DEGREE CANDIDATES

The central principle in the structure of the graduate program is that a student's progress and ultimate success is best served by early and varied research experiences coupled with individually tailored course sequences.

For graduate work in most of the options in physics it is assumed that the student has an undergraduate background that includes the following: Mechanics, at the level of chapters 1-7 of Goldstein, Classical Mechanics; Electromagnetism, at the level of Reitz and Milford, Foundations of Electromagnetic Theory; Thermodynamics, at the level of Zemansky, Heat and Thermodynamics; and some upper-division course(s) in quantum mechanics and atomic physics.

Full-time students are expected to register for at least three hours of research every semester. Unless a student already knows unquestionably in which option he wishes to specialize, he will be encouraged to participate in a different type of research each semester, until he has had experience with several types.

Each student in consultation with the Graduate Adviser, or other faculty members, chooses his own curriculum and before registration files a "degree plan", which is approved by the Graduate Adviser and Program Chairman, and subject to the subsequent review of the Committee on Graduate Studies in Physics. As the student's interests mature, he is free to amend his degree plan at any time, subject to the same approvals and with the concurrence of his Supervising Professor, when he has one.

There are three basic courses, fundamental to all graduate physics, ten supplementary courses, each of which is important to at least half of the degree options, and twenty-four specialized courses keyed to the particular degree options. A degree plan will normally contain a core normally make up of the basic courses and two other courses fundamental to the student's degree option, and sufficient supplementary and specialized courses to give the student a broad understanding of his field. Any core courses listed in a student's degree plan may be passed by a special written examination, if the student has previously obtained credit for an equivalent course at another institution.

SPECIFIC DEGREE REQUIREMENTS FOR M.S. AND Ph.D. DEGREES

For admission to candidacy for either the M.S. or Ph.D. the student must satisfy the general institutional requirements (see page ___) and in addition he must have an overall grade-point average of 3.0 and have obtained a B or better on each of the core courses listed in his degree plan. Admission to candidacy for the Doctor of Philosophy degree further requires that at least one of the core course grades should be an A, and that the student present a public seminar outlining the state of knowledge of some contemporary problem in the field, preferably the problem which the student intends to attack if he is admitted to candidacy. The general oral examination normally follows this seminar within a few days.

Basic Courses

<u>Course</u>	<u>Description</u>
500	Quantum Mechanics I (4 semester hours) Fundamental principles of quantum theory with applications to one and three dimensional systems under various potentials. Free particle; bound particle; harmonic oscillator; and hydrogen atom. Emphasis is placed on the use of the computer both for evaluation of the energies and wave functions of the systems and for subsequent visualization of the results. (501 concurrently, 505 concurrently)
501	Mathematical Methods of Physics I (4 semester hours) Solution of ordinary differential equations by power series, analytic approximation, WKB method, and numerical integration; classification and numerical integration of partial differential equations, solution by separation of variables; eigenfunctions; Legendre functions and spherical harmonics; Bessel functions; Green's functions; Vectors and Matrices; Probability and statistics. (Previous exposure to most of the topics is assumed.)
521	Electromagnetism I (4 semester hours) Electrostatics, Laplace and Poisson equations, boundary value problems, dielectric materials, multipole expansion; magnetostatics, field of steady currents, magnetic materials; time-varying fields, Maxwell's equations; introduction to four vector formalism; plane waves, reflection, refraction, polarization. (Normally follows 501)

Supplementary Courses

502	Mathematical Methods of Physics II (4 semester hours) Infinite series, summation and transformation; contour and saddle point integration; integral transforms; Hypergeometric, Mathieu, and Elliptic functions; perturbation theory; integral equations; calculus of variations; tensor analysis, group representations. (Normally follows 501)
503	Computer Organization and Usage (3 semester hours) Machine language, symbolic coding; data acquisition, representation, and transfer; control functions.
505	Computer Languages and Applications (3 semester hours) Introductions into the usage of the Fortran, APL and Job Control languages with applications to matrix diagonalization and inversion, Fourier analysis, curve fitting, solution of finite difference equations and numerical integration.
507	Quantum Physics (3 semester hours) Survey of Quantum mechanical phenomena in modern physics; atomic and molecular spectroscopy; quantum statistics; band theory of solids; particle scattering and radiation; nuclear models, reactions, and stability; elementary particles. (Normally follows 500)
511	Classical Mechanics (3 semester hours) LaGrange's equations; two-body problem; motion of a rigid body, inertia tensor; Hamilton's equations, canonical transformations.
513	Statistical Mechanics (3 semester hours) Classical and quantum statistical mechanics; localized and non-localized ensembles; thermodynamic properties in terms of partition functions for atoms and molecules; equation of state of non-ideal gases and liquids; Fermi-Dirac and Bose-Einstein statistics with emphasis on extreme degenerate regions; introduction to the Darwin-Fowler method.

Physics Courses (continued)

- 522 Electromagnetism II (3 semester hours)
Simple radiating systems; properties of waves at microwave frequencies, laboratory techniques for investigating these properties; waveguides, measurement of impedance and discontinuities, impedance matching, resonant cavity modes, and field configurations. (Normally follows 521)
- 595 Electromagnetic Theory (3 semester hours)
Development of time dependent electromagnetic theory using the four-vector formalism of special relativity; Lienard Weichert potentials; radiation reaction; radiation from relativistic particles: synchrotron, Cherenkov, bremsstrahlung radiation; multipole radiation. (Normally follows 521)
- 600 Quantum Mechanics II (4 semester hours)
Operator theory; matrix mechanics and transformation theory; angular momentum; perturbation and variational methods; atomic structure; elementary scattering theory. As in Quantum Mechanics I, emphasis is placed upon learning modern numerical, computer oriented, techniques for performing the theoretical computations. (Normally follows 500)
- 609 Special Topics in Mathematical Physics (3 semester hours)
Topics vary from semester to semester. May be repeated for credit.

Chemical Physics

- 619 Special Topics in Chemical Physics (3 semester hours)
Topics vary from semester to semester. May be repeated for credit.
- 910 Research in Chemical Physics (3-12 semester hours)

Applied Physics

- 523 Elements of Digital Circuits (3 semester hours)
Introduction to digital hardware; theory and operation of discrete, integrated, and LSI circuits, logic families, MOS devices, random access memory elements and ROM's.
- 624 Logic Design and Digital Systems (3 semester hours)
Analysis and synthesis of digital circuits; simplification of logical functions; characteristics of switching memory; input-output devices, both synchronous and nonsynchronous; logic design of counters, shift registers, arithmetic circuitry; computer aided design of circuits. (Normally follows 523)
- 625 Data Acquisition and Computer Interfacing (3 semester hours)
Real-time data acquisition; computer interfacing of parallel and serial inputs; linear-digital conversions, nonlinear systems, sampling systems; feedback theory, stability, monitoring and control functions. (Normally follows 624)
- 626 Operating Systems for Data Acquisition (3 semester hours)
Organization and programming of executive control systems for data acquisition; multiprogramming; time-sharing; access control; parallel processing; resource allocation.
- 629 Special Topics in Applied Physics (3 semester hours)
Topics may vary from semester to semester. May be repeated for credit.
- 920 Research in Applied Physics (3-12 semester hours)

Physics Courses (continued)

Quantum Electronics

530. Introduction to Quantum Electronics (3 semester hours)
Classical treatment of the interaction of radiation with matter; resonant structures and normal modes; stimulated emission; non-linear optics.
630. Physics of Lasers (3 semester hours)
Advanced topics in the physics of quantum electronics and lasers; gas lasers and excitation transfer reactions; line narrowing and induced transparency; superradiancy and liquid lasers; high energy pulsed lasers. (Normally follows 530)
631. Statistical Optics (3 semester hours)
Correlation functions and coherent states; interaction of light with photodetectors; photon counting, heterodyning and Brown-Twiss experiments; interference and spatial coherence; transform spectroscopy.
639. Special Topics in Quantum Electronics (3 semester hours)
Topics vary from semester to semester. May be repeated for credit.
930. Research in Quantum Electronics (3-12 semester hours)

Atomic and Molecular Physics

651. Quantum Theory of Atoms and Molecules (3 semester hours)
Application of quantum mechanics to atomic and molecular structure, physical properties, and spectra. Time dependent quantum theory applied to transitions in collisions and in interactions with light. Introduction to the theory of atomic and molecular collisions. (Normally follows 600)
652. Atomic and Molecular Spectroscopy (3 semester hours)
Atomic structure; spin-orbit interaction, auto-ionization, selection rules, and effect of external fields; diatomic and polyatomic molecules; symmetry and applications of group theory; molecular vibrations and rotations; electronic band spectra; selection rules and intensities.
653. Atomic and Molecular Processes I (3 semester hours)
Study of theory and experimental methods applied to elastic scattering, excitation and ionization of atoms and molecules by electron and ion impact, electron attachment and detachment, and charge transfer processes. (Normally follows 651)
654. Atomic and Molecular Processes II (3 semester hours)
Theory and experimental methods applied to photoabsorption and emission, mobility and ion transport in ionized gases, recombination of ions with electrons, lasers, metastable states, and ion-molecule reactions. (Normally follows 653)
659. Special Topics in Atomic Physics (3 semester hours)
Topics vary from semester to semester. May be repeated for credit.
950. Research in Atomic & Molecular Physics (3-12 semester hours)

Plasma Physics

560. Plasma Generation (3 semester hours)
Lecture and laboratory course on the fundamental properties of plasmas and their methods of generation; fundamental gas and surface processes; electron and ion motions in gases; breakdown; measurement of plasma properties.

Physics Courses (continued)

- 661 Plasma Waves and Radiation (3 semester hours)
Magnetoionic theory, dispersion equation, modes, phase and group velocities; antennas and probes in plasmas; plasma resonances; review of magnetohydrodynamic propagation, anisotropy, two-stream, and cross-field instabilities. (Normally follows 663)
- 663 Plasma Theory (3 semester hours)
Statistical behavior of plasmas; distribution functions; Boltzmann equation, kinetic theory; magnetohydrodynamic theory; Fokker-Planck and Vlasov equations.
- 669 Special Topics in Plasma Physics (3 semester hours)
Topics vary from semester to semester. May be repeated for credit.
- 960 Research in Plasma Physics (3-12 semester hours)

Solid State Physics

- 671 Solid State Physics (3 semester hours)
Lattice vibrations and thermal properties of solids; band theory of solids; transport properties of metals and semiconductors; optical properties; magnetic properties; magnetic relaxation; superconductivity.
- 673 Quantum Theory of Solids (3 semester hours)
Crystalline symmetry; lattice dynamics; anharmonic processes; band theory; electron-electron interaction; electron-phonon interaction; transport properties; optical properties; Fermi surface; magnetism.
- 675 Group Theory as Applied to Crystals (3 semester hours)
Finite group theory and applications to solid state physics; symmetry operators of crystals; space groups; reciprocal lattice and Brillouin zones; group of the k vector; crystal field splitting; construction of wave functions for band structure calculations.
- 679 Special Topics in Solid State Physics (3 semester hours)
Topics vary from semester to semester. May be repeated for credit.
- 970 Research in Solid State Physics (3-12 semester hours)

Atmospheric and Space Physics

- 581 Introduction to Space Physics (3 semester hours)
A survey of the development, experimental techniques and results of the space program; introduction to the physics of the upper atmosphere, ionosphere, magnetosphere, radiation belts, and interplanetary environment.
- 683 Space Age Astronomy (3 semester hours)
Physics of the sun and corona; the solar wind and its interaction with solid bodies and magnetic fields; asteroids, meteoroids and comets; origin of the solar system; basic methods of X-ray, optical, radio, and radar astronomy; stellar populations; review of galactic structures and cosmology.
- 685 Upper Atmospheres (3 semester hours)
Characteristics of the neutral upper atmosphere of the earth and planets; photodissociation and chemical reactions; tides, circulation, winds, and wave propagational diffusion, eddy mixing and heat balance; satellite drag. (Normally follows 581)
- 687 Ionospheric Phenomena (3 semester hours)
Formation and properties of the major ionospheric regions; thermal plasma in the magnetosphere; radiation belts and their interaction with the ionosphere; aurora. (Normally follows 581, 663)

Physics Courses (continued)

<u>Course</u>	<u>Description</u>
689	Special Topics in Space Physics (3 semester hours) Topics will vary from semester to semester. May be repeated for credit.
980	Research in Atmospheric and Space Physics (3-12 semester hours)

Relativity

591	Relativity (3 semester hours) Mach's principle and the abolition of absolute space; the principle of relativity; the principle of equivalence; basic cosmology; four-vector calculus; special relativistic kinematics, optics, mechanics, and electromagnetism; basic ideas of general relativity.
592	Relativity and Cosmology (3 semester hours) Tensor calculus and Riemannian geometry; mathematical foundation of general relativity; the crucial tests; the linearized theory; fundamentals of theoretical relativistic cosmology; the Friedmann model universes; comparison with observation. (Normally follows 591)
697	Relativistic Quantum Mechanics (3 semester hours) Relativistic formalism; one particle relativistic wave equations; Klein-Gordon and Dirac equations; fundamentals of quantum field theory and quantum electrodynamics; interaction of charged particles and photons; strong and weak interactions; symmetry principles and conservation laws. (Normally follows 500)
699	Special Topics in Relativity (3 semester hours) Topics vary from semester to semester. May be repeated for credit.
990	Research in Relativity (3-12 semester hours)

Thesis and Dissertation

908	Thesis (3 semester hours)
909	Dissertation (3 semester hours)

Physics Courses (continued)

Typical Degree Plans

The following typical degree plans are illustrative of the course sequence for typical students in each of the eight options. Only the first two years is shown in each case; normally a few electives may be taken in the third and later years, but most of the student's time is spent in research. The "core" courses in each case are underlined.

	Year	Fall				Spring				Summer	
Applied Physics	1	<u>500</u> ,	<u>501</u> ,	505,	920	<u>521</u> ,	<u>523</u> ,	503,	920	<u>522</u> ,	920
	2	507,	624,		920	625,	626,		920		920
Atmospheric and Space	1	<u>500</u> ,	<u>501</u> ,	505,	980	<u>521</u> ,	<u>513</u> ,	581,	980	<u>663</u> ,	980
	2	507,	661,	683,	980	685,			980	<u>687</u> ,	980
Atomic and Molecular	1	<u>500</u> ,	<u>501</u> ,	505,	950	<u>521</u> ,	<u>513</u> ,	<u>600</u> ,	950	522,	950
	2	652,	653,		950	654,	631,		950		950
Chemical Physics	1	<u>500</u> ,	<u>501</u> ,	Ch1,	910	Ch2,	<u>513</u> ,	<u>600</u> ,	910		910
	2	<u>521</u> ,	<u>651</u> ,	Ch3,	910	652,	Ch4,	Ch5,	910		910
Plasma Physics	1	<u>500</u> ,	<u>501</u> ,	505,	960	<u>521</u> ,	<u>513</u> ,	560,	960	<u>663</u> ,	960
	2	600,	661,		960	669,			960	<u>552</u> ,	960
Quantum Electronics	1	<u>500</u> ,	<u>501</u> ,	505,	930	<u>521</u> ,	<u>513</u> ,	<u>600</u> ,	930	522,	930
	2	502,	530,		930	630,	631,		930		930
Relativity	1	<u>591</u> ,	<u>501</u> ,	505,	990	<u>521</u> ,	<u>592</u> ,	<u>500</u> ,	990	595,	990
	2	502,	697,	699,	990		513,		990		990
Solid State	1	<u>500</u> ,	<u>501</u> ,	505,	970	<u>521</u> ,	<u>671</u> ,	<u>600</u> ,	970	675,	970
	2	502,	513,	673,	970	503,			970		970

FACULTY

- BREMER, HANS - Associate Professor - Biology
Vordiplom, U. of Heidelberg, 1949; Ph.D., U. of Goettingen, 1957
- CALDWELL, RICHARD A. - Associate Professor - Chemistry; Acting Head, Graduate Program in Chemistry; Acting Director, Institute for Chemical Sciences
B.S., Massachusetts Institute of Technology, 1961; Ph.D., U. of California, Berkeley, 1965
- CARTER, JAMES L. - Assistant Professor - Geosciences
B.S., Texas Western College, 1961; Ph.D., Rice University, 1965
- CHANEY, ROY C. - Assistant Professor - Physics
B.S., U. of Oklahoma, 1965, M.S.; U. of Oklahoma, 1967; Ph.D., U. of Oklahoma, 1971
- CLOWES, ROYSTON C. - Professor - Biology; Head, Graduate Program in Biology; Director, Institute for Molecular Biology
B.S., U. of Birmingham, 1942; Ph.D., U. of Birmingham, 1951; D.Sc., U. of Birmingham, 1965
- COLLINS, CARL B., Jr. - Associate Professor - Physics; Head, Graduate Program in Physics
B.S., U. of Texas at Austin, 1960; M.S., U. of Texas at Austin, 1961; Ph.D., U. of Texas at Austin, 1963
- CUTLER, RICHARD G. - Assistant Professor - Biology
B.S., California State College, 1961; M.S., U. of Houston, 1966; Ph.D., U. of Texas, 1966
- DODSON, JAMES - Associate Professor - Learning Resources and Educational Media; University Librarian
B.S., Denison U., 1954; M.A., Ohio State U., 1961; M.S., Case Western Reserve U., 1962
- FENYVES, ERVIN J. - Professor - Physics
M.S., Roland Eotvos U. of Budapest, 1946; Ph.D., Roland Eotvos U. of Budapest, 1950; Dr. Physical Sciences, Hungarian Academy of Sciences, 1960
- GRAY, DONALD M. - Assistant Professor - Biology
B.A., Susquehanna U., 1960; M.S., Yale U., 1967; Ph.D., Yale U., 1967
- GUTTES, EDMUND W. - Associate Professor - Biology
Abitur, Gymnasium M. Gladbach, Germany, 1942; Ph.D., U. of Bonn, 1953
- GUTZ, HERBERT - Associate Professor - Biology
Diplom, Vorpruefung in Biology, Free U. of Berlin, 1951; Ph.D., Free U. of Berlin, 1955
- HALES, ANTON L. - Professor - Geosciences; Head, Graduate Program in Geological Sciences; Director, Institute for Geological Sciences
B.S., U. of Cape Town, 1929; M.S., U. of Cape Town, 1930; B.A., St. John's College, Cambridge, 1933; Ph.D., U. of Cape Town, 1936; M.A., Cambridge U., 1952
- HALPERN, MARTIN - Associate Professor - Geosciences
B.S., McGill U., 1959; M.S., U. of Wisconsin, 1961; Ph.D., U. of Wisconsin, 1963
- HANSON, WILLIAM B. - Professor - Physics; Director, Institute for Physical Sciences
B.S., U. of Minnesota, 1944; M.S., U. of Minnesota, 1949; Ph.D., George Washington U., 1954
- HARM, WALTER - Professor - Biology
Diplom. Biology, Humboldt U., Berlin, 1949; Ph.D., Free U. of Berlin, 1951
- HARRIS, DANIEL L. - Professor - Biology
A.B., U. of Minnesota, 1936; Ph.D., U. of Pennsylvania, 1942

- HEIKKILA, WALTER J. - Professor - Physics
B.A., U. of Toronto, 1950; M.S., U. of Toronto, 1951; Ph.D., U. of Toronto, 1954
- HELSLEY, CHARLES E. - Professor - Geosciences
B.S., California Institute of Technology, 1956; M.S., California Institute of Technology, 1957; Ph.D., Princeton U., 1960
- HODGES, R. RICHARD, Jr. - Assistant Professor - Physics
B.S., U. of Illinois, 1955; M.S., U. of Illinois, 1957; Ph.D., U. of Illinois, 1964
- HOFFMAN, JOHN H. - Associate Professor - Physics
B.S., St. Mary's College, 1951; M.S., U. of Minnesota, 1954; Ph.D., U. of Minnesota, 1958
- HURT, WORTH B., Jr. - Assistant Professor - Physics
B.S., U. of Texas at Austin, 1960; M.A., U. of Texas at Austin, 1961; Ph.D., U. of Texas at Austin, 1964
- JAGGER, JOHN - Professor - Biology
B.S., Yale College, 1949; M.S., Yale U., 1953; Ph.D., Yale U., 1954
- JOHNSON, FRANCIS S. - Professor - Physics; Executive Director, Center for Advanced Studies
B.S., U. of Alberta, 1940; M.A., U. of California, 1942; Ph.D., U. of California, 1958
- JORDAN, BRYCE - Professor - History of Music; President
B.Mus., U. of Texas at Austin, 1948; M.Mus., U. of Texas at Austin, 1949; Ph.D., U. of North Carolina, 1956
- KEMPER, JOST - Assistant Professor - Biology
Ph.D., U. of Cologne, 1964
- LANDISMAN, MARK - Professor - Geosciences
A.B., Columbia College, 1949; Ph.D., Columbia U., 1959
- LANG, DIMITRIJ A. - Associate Professor - Biology
M.S., U. of Frankfurt/Main, 1953; Ph.D., U. of Frankfurt/Main, 1959
- MANTON, WILLIAM I. - Assistant Professor - Geosciences
B.S., U. of Witwatersrand, 1959; M.S., U. of Witwatersrand, 1963; Ph.D., U. of Witwatersrand, 1968
- MCCORQUODALE, D. JAMES - Associate Professor - Biology
B.A., U. of British Columbia, 1950; Ph.D., U. of Wisconsin, 1955
- MELTON, LYNN A. - Assistant Professor - Chemistry
B.S., California Institute of Technology, 1966; Ph.D., Harvard U., 1971
- MIDGLEY, JAMES E. - Associate Professor - Physics
B.S., U. of Michigan, 1956; Ph.D., California Institute of Technology, 1963
- MITTERER, RICHARD M. - Assistant Professor - Geosciences
B.S., Franklin & Marshall College, 1960; Ph.D., Florida State U., 1966
- OZSVATH, ISTVAN - Professor - Physics
Diploma (Mathematics, Physics, & Astronomy) U. of Budapest, 1951; Ph.D., U. of Hamburg, 1960
- PALMEIRA, RICARDO - Assistant Professor - Physics
B.S., U. of Recife, Brazil, 1953; Ph.D., Massachusetts Institute of Technology, 1963
- PARR, CHRISTOPHER A. - Assistant Professor - Chemistry
B.S., U. of California, Berkeley, 1962; Ph.D., California Institute of Technology, 1969
- PATRICK, MICHAEL H. - Assistant Professor - Biology
A.B., U. of California, Santa Barbara, 1958; Ph.D., U. of Chicago, 1964

- PAYNE, EUGENE E. - Lecturer - Management and Administrative Sciences; Planning and Management Systems Officer
B.S., Texas A&M U., 1964; M.S., Texas A&M U., 1965; Ph.D., U. of Oklahoma, 1970
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- PRESNALL, DEAN C. - Assistant Professor - Geosciences
B.S., Pennsylvania State U., 1957; M.S., California Institute of Technology, 1959; Ph.D., Pennsylvania State U., 1963
- RAPP, DONALD - Associate Professor - Physics
B.S., Cooper Union, 1955; M.S., Princeton U., 1956; Ph.D., U. of California, Berkeley, 1959
- RINDLER, WOLFGANG A. - Professor - Physics
B.S., U. of Liverpool, 1945; M.S., U. of Liverpool, 1947; Ph.D., U. of London, 1956
- ROBINSON, IVOR - Professor - Physics
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- RUPERT, CLAUD S. - Professor - Biology
B.S., California Institute of Technology, 1941; Ph.D., Johns Hopkins U., 1951
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- TINSLEY, BRIAN A. - Associate Professor - Physics
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- ANDERSON, GERRY - Biology
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B.S., Michigan Technical U., 1958; M.S., Michigan Technological U., 1961;
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B.A., Northwestern U., 1958; Ph.D., Wayne State U., 1963
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B.S., Texas A&M U., 1963; M.S., Texas A&M U., 1965; Ph.D., Texas A&M U., 1970

APPENDIX A.

RESIDENCE STATUS

Pursuant to State Law, The Coordinating Board, Texas Colleges and University System is responsible for establishing Rules and Regulations for determining Residence Status, pursuant to Title 3, Texas Education Code.

Effective August 15, 1971

1. MINORS

Statute: Section 54.052(b) An individual, under twenty-one (21) years of age, who is living away from his family, and whose family resides in another state or has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student;

Section 54.052(c) An individual twenty-one (21) years of age or under whose family has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student regardless of whether he has become the legal ward of residents of Texas or has been adopted by residents of Texas while he is attending an educational institution in Texas, or within a 12-month period before his attendance, or under circumstances indicating that the guardianship or adoption was for the purpose of obtaining status as a resident student;

Section 54.055 An individual 21 years of age or under whose parents were formerly residents of Texas is entitled to pay the resident tuition fee following the parents' change of legal residence to another state, as long as the individual remains continuously enrolled in a regular session in a state-supported institution of higher education.

A. Death or Divorce of Parents

The legal residence of a minor under 21 years of age is usually that of the father. Upon the death of the father, the legal residence of the minor is that of the mother. Upon divorce or legal separation of the parents, the residence of the minor is determined by the residence of the parent with whom the minor is making his home at the time of registration.

B. Custody by Court Order

If the custody of the minor has been granted by court order (e.g., divorce decree, child custody action, guardianship or adoption proceedings) to some person other than the parent, the residence of that person shall control; provided, however, that such grant of custody was not ordered during or within a year prior to the minor's enrollment in an institution of higher education

(defined as any public junior college, public senior college or university, medical or dental unit or other agency of higher education) and was granted under circumstances indicating that such guardianship was not for the purpose of obtaining status as a resident student.

If a minor is not making his home with either parent, and there is no court-appointed guardian, the residence of the parent with whom the minor last resided shall be presumed to control. If, however, the minor has made his home with, and has been dependent upon a grandparent for more than a year prior to enrollment in an institution of higher education, the residence of that natural guardian shall be regarded as his residence. The residence of a person other than a parent or a natural or legal guardian, who may furnish funds for payment of tuition, fees, or living expenses shall in no way affect the residence classification of a minor.

C. Abandoned Child

In the case of an abandoned child, the residence of a person who has stood in loco parentis for a period of time may determine the residence of such abandoned child. The fact of abandonment must be clearly established and must not have been for the purpose of affecting the residence of the minor, and the minor must have actually resided in the home of such person for two years immediately prior to registering in an institution of higher education in Texas and must have received substantially all of his support from such person. In the event that the in loco parentis relationship has not existed for the full two year period, a lesser period of time is acceptable in unusual hardship cases, such as death of both parents.

D. Orphan

An orphan who has lived for longer than a year in an established orphan's home in Texas operated by a fraternal, religious, or civic organization and has been graduated from the orphan's home shall be considered a resident of Texas provided he remains in Texas from the time of such graduation until he enters an institution of higher education.

E. Emancipated Child

Under certain circumstances, a minor may become emancipated or freed from parental control. If the minor has broken completely with his parents, is in fact residing apart from them, and has been entirely independent and wholly self-supporting, he may establish that he is "emancipated." If emancipation is clearly proved, the residence classification of the minor is determined by

the residence of the minor rather than the residence of the parents, and after 12 months in Texas under such circumstances, the minor may be classified as a resident, if he otherwise satisfied the statutory requirements applicable to those over 21 (e.g., see presumption arising from residence while a student). Proof of his emancipation is the responsibility of the minor.

F. Married Minors

A minor male who is married shall have the power and capacity of a single person to full age with the exception of the right to vote and is entitled to select his own place of legal residence. After 12 months' residence in Texas under such circumstances the minor may be classified as a resident if he otherwise satisfies the statutory requirements applicable to those over 21 years of age. The legal residence of a minor female who is married is controlled by the legal residence of her husband. The residence classification for tuition purposes of either a nonresident male or female who marries a Texas resident shall be governed by the provisions of the tuition statute and of those rules and regulations as hereinafter set out.

G. Minors Whose Parents Moved to
Another State or Foreign Country

If the parents of a minor who is enrolled as a resident student move their legal residence to another state or foreign country on, or after August 15, 1971, the minor shall be classified as a nonresident at all subsequent registration periods. Under the provisions of Section 54.055, the minor will be entitled to pay the resident tuition fee as long as he remains continuously enrolled in a regular session in a public institution of higher education. The minor student must re-enroll for the next available regular semester immediately following the parents change of legal residence to another state.

If the parents of a minor move to another state or foreign country, or reside outside the state or in a foreign country at the time of enrolling in an institution of higher education, but claim legal residence in Texas, conclusive evidence must be presented that the father is still claiming legal residence in the State of Texas and that he has the present intent to return to the state. A certificate from the employer of the parents that the move outside the state was temporary and that there are definite plans to return the parents to Texas by a determinable future date may be considered in this connection.

If a minor whose parents have moved their legal residence to another state or foreign country resides in Texas for 12 consecutive months following his 21st. birthday and by his actions clearly indicates that his intention is

to establish permanent residence in the state, he may be classified as a resident student effective with the beginning of the term or semester following his 22nd. birthday despite the fact that his entire period of residence in Texas has been as a student.

When the parents of a minor who have established their legal residence in another state or foreign country return and reestablish their legal residence in Texas the minor must be classified as a nonresident until the first registration after the parents have resided in the state for a 12-month period following their return.

11. RESIDENCE OF INDIVIDUALS OVER TWENTY-ONE

Statute: Section 54.052(d) An individual twenty-one (21) years of age or over who has come from outside Texas and who is gainfully employed in Texas for a 12-month period immediately preceding registration in an educational institution shall be classified as a resident student as long as he continues to maintain a legal residence in Texas; and

Section 54.052(e) An individual twenty-one (21) years of age or over who resides out of the state or who has come from outside Texas and who registers in an educational institution before having resided in Texas for a 12-month period shall be classified as a nonresident student.

Section 54.054 A nonresident student classification is presumed to be correct as long as the residence of the individual in the state is primarily for the purpose of attending an educational institution. After residing in Texas for at least twelve (12) months, a nonresident student may be reclassified as a resident student as provided in the rules and regulations adopted by the Coordinating Board, Texas College and University System. Any individual reclassified as a resident student is entitled to pay the tuition fee for a resident of Texas at any subsequent registration as long as he continues to maintain his legal residence in Texas.

Establishment of Residence

Any individual 21 years of age or over who moves into the state and who is gainfully employed within the state for a period of 12 months prior to enrolling in an educational institution (defined as any institution of higher education, public or private, above the high school level), is entitled to classification as a resident. If such 12 months' residence, however, can be shown not to have been for the purpose of establishing legal residence in the state but to have been for some other purpose, the individual is not entitled to be classified as a resident. Any student registering in an educational institution prior to having resided in the state for 12 months shall be classified as a non-resident for tuition purposes.

A person classified as a nonresident student upon his first enrollment in an institution of higher education is presumed to be a nonresident for the period during which he continues as a student. If such nonresident student withdraws from school and resides in the state while gainfully employed for a period of 12 months, upon re-entry into an institution of higher education he will be entitled to be reclassified as a resident for tuition purposes. Accumulations of summer and other vacation periods do not satisfy this requirement. A student is not entitled to reclassification after a residence in the state for 12 months merely on the basis of his or his wife's employment, registration to vote, registration of a motor vehicle and payment of personal property taxes thereon, or the securing of a Texas driver's license. The presumption of a "nonresident" is not a conclusive presumption, however, and other facts may be considered to determine if the presumption has been overcome. Material to this determination are business or personal facts or actions unequivocally indicative of a fixed intention to reside permanently in the state including, but not limited to, the length of residence and full-time employment prior to registering in the institution, the fact of full-time employment and the nature of such employment (regular industrial, business or professional employment as distinguished from student-type employment) while a student, purchase of a homestead with substantial down-payment, and marriage to a resident of Texas. All of these facts are weighed in the light of the fact that a student's residence while in school is primarily for the purpose of education and not to establish residence, and that decisions of an individual as to residence are generally made after the completion of an education and not before.

111. MARRIED STUDENTS

Statute: Section 54.056 A nonresident who marries and remains married to a resident of Texas, classified as such under this Act at the time of the marriage and at the time the nonresident registers, is entitled to pay the resident tuition fee regardless of the length of time he has lived in Texas, and any student who is a resident of Texas who marries a nonresident is entitled to pay the resident tuition fee as long as he does not adopt the legal residence of the spouse in another state.

Nonresident Who Marries A Resident of Texas

The nonresident male or female student who marries a resident of Texas is entitled to pay the resident tuition at the registration period next following the date of marriage upon submission of evidence of such marriage and of the spouse's legal residence in Texas. The legal residence of a wife, regardless of her age, follows that of her husband. Therefore, a woman who is a resident of Texas and who marries a nonresident shall be classified as a nonresident for all enrollment periods subsequent to her marriage; provided, however, that she

shall be permitted to pay the resident tuition so long as she does not affirmatively by her actions adopt the legal residence of her husband (for example, registering to vote in another state).

In the event a nonresident male or female student who marries a resident of Texas, and subsequently, is divorced, such nonresident student shall be classified as a nonresident for all enrollment periods subsequent to the date of such divorce.

IV. MILITARY PERSONNEL AND VETERANS

Statute: Section 54.058(a) Military personnel are classified as provided by this section in the following manner:

(b) An officer, enlisted man or woman, selectee or draftee of the Army, Army Reserve, Army National Guard, Air National Guard, Texas State Guard, Air Force, Air Force Reserve, Navy, Navy Reserve, Marine Corps, Marine Corps Reserve, Coast Guard, or Coast Guard Reserve of the United States, who is assigned to duty in Texas is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fee and other fees or charges required of Texas residents, without regard to the length of time he has been assigned to duty or resided within the state. However, out-of-state Army National Guard or Air National Guard members attending training with Texas Army or Air National Guard units under National Guard Bureau regulations may not be exempted from nonresident tuition by virtue of that training status nor may out-of-state Army, Air Force, Navy, Marine Corps, or Coast Guard Reserves training with units in Texas under similar regulations be exempted from nonresident tuition by virtue of such training status. It is the intent of the legislature that only those members of the Army or Air National Guard, Texas State Guard, or other reserve forces mentioned above be exempted from the nonresident tuition fee and other fees and charges only when they become members of Texas units of the military organizations mentioned above.

(c) As long as they reside continuously in Texas, the spouse and children of a member of the Armed Forces of the United States who has been assigned to duty elsewhere immediately following assignment to duty in Texas are entitled to pay the tuition fees and other fees or charges provided for Texas residents.

(d) If nonresident military personnel are attending an institution of higher education under a contract between the institution and any branch of the Armed Forces of the United States, in which the tuition of the member of the military is paid in full by the United States Government, the student shall pay the nonresident tuition fee;

(e) A Texas institution of higher education may charge to the United States Government the nonresident tuition fee for a veteran enrolled under the provisions of a Federal law or regulation authorizing educational or training benefits for veterans;

(f) The spouse and children of a member of the Armed Forces of the United States who dies or is killed are entitled to pay the resident tuition fee, if the wife and children become residents of Texas within 60 days of the date of death; and

(g) If a member of the Armed Forces of the United States is stationed outside Texas and his spouse and children establish residence in Texas by residing in Texas and by filing with the Texas institution of higher education at which they plan to register a letter of intent to establish residence in Texas, the institution of higher education shall permit the spouse and children to pay the tuition, fees, and other charges provided for Texas residents without regard to length of time that they have resided within the State.

A. Certification of Assignment to Duty in Texas

Subsection (b) provides that military personnel assigned to duty within the State of Texas, their husband or wife as the case may be and their children, shall be entitled to pay the same tuition as a resident of Texas regardless of the length of their physical presence in the state. To be entitled to pay the resident tuition fees, such military personnel shall submit at the time of each registration a statement from his commanding officer or personnel officer certifying that he is then assigned to duty in Texas and that same will be in effect at the time of such registration in an institution of higher education. This subsection also provides that a nonresident member of an out-of-state National Guard unit who is temporarily training with a Texas National Guard unit will not be entitled to pay the resident tuition.

B. Spouse and Children of Member of Armed Services

Subsection (c) provides that the spouse and children of a member of the armed forces assigned to duty outside the State of Texas immediately after assignment in Texas may be entitled to pay the resident tuition as long as they reside continuously in Texas.

Subsection (g) provides that the spouse and children of a member of the armed forces who is assigned to duty outside the State of Texas and sends his family to the State of Texas may be entitled to pay the resident tuition if they file with the institution of higher education at which the student intends to register a letter of intent, an affidavit or other evidence satisfactory to the institution stating that they intend to become permanent residents of Texas.

Subsection (f) provides that a member of the immediate family (which shall include spouse or children) of a member of the armed forces who dies or is killed in action while in military service may qualify to pay the resident tuition if they become residents of Texas within 60 days of the date of death. To qualify under this provision, the student shall submit to the institution of higher education satisfactory evidence establishing the date of death and residence in Texas.

The military personnel spouse and children enumerated in (b), (c), (f), and (g) are classified as nonresidents but shall be entitled to pay the resident tuition regardless of their length of residence in Texas if they comply with the provisions of the statute and these rules and regulations.

C. Nonresident Military Personnel Attending College Under Contract

Subsection (d) provides that nonresident military personnel attending an institution of higher education under a contract with any branch of the armed forces where the tuition is paid in full under the provisions of such contract shall be charged nonresident tuition even though such military personnel may be assigned to duty pursuant to military orders at an institution of higher education.

D. Nonresidents Attending College Under Federal Benefits Programs for Veterans

Subsection (e) provides that the institution of higher education may charge the nonresident tuition fee for a nonresident veteran to the United States Government under the provisions of any federal law or regulation authorizing educational or training benefits for veterans.

E. Legal Residence of Person in Military Service

A person in military service is presumed to maintain during his entire period of active service the same legal residence which was in effect at the time he entered military service. A person stationed in a state on military service is presumed not to establish a legal residence in that state because his presence is not voluntary but under military orders. It is possible for a member of the military service to abandon his domicile of original entry into the service and to select another, but to show establishment of a new domicile during the term of active service, there must be clear and unequivocal proof of such intent. An extended period of service alone is not sufficient. The purchase of residential property is not conclusive evidence unless coupled with other facts indicating an intent to put down roots in the community and to reside there after termination of military service. Evidence which will be considered in determining this requisite intent includes, but is not limited to a substantial investment in a residence and the claiming of a homestead

exemption thereon, registration to vote, and voting in local elections, registration of an automobile in Texas and payment of personal property taxes thereon, obtaining a Texas driver's license, maintaining checking accounts, savings accounts, and safety deposit boxes in Texas banks, existence of wills or other legal documents indicating residence in Texas, change of home-of-record and designation of Texas as the place of legal residence for income tax purposes on military personnel records, business transactions or activities not normally engaged in by military personnel, membership in professional or other state organizations, and marriage to a resident of Texas. Purchase of property during terminal years of military service preceding retirement generally is given greater weight than a similar purchase made prior to such terminal period.

F. Residence Classification of Veterans Upon
Separation from Military Service

A person who enrolls in an institution of higher education following his separation from military service must be classified as a nonresident student unless, (1) he was a legal resident of Texas at the time he entered military service and has not relinquished that residence, (2) he can prove that during his military service he has, in fact, established a bona fide, legal residence in Texas at a time at least 12 months prior to his registration, or (3) he has resided in Texas other than as a student for 12 months prior to his registration and subsequent to his discharge from service.

V. EMPLOYEES OF INSTITUTIONS OF HIGHER EDUCATION
OTHER THAN STUDENTS

Statute: Section 54.059 A teacher, professor, or other employees of a Texas institution of higher education is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fee and other fees or charges required for Texas residents without regard to the length of time he has resided in Texas. A teacher, professor, or other employee of a Texas institution of higher education is any person employed at least one-half time on a regular monthly salary basis by a state institution of higher education.

A person employed at least half-time on a regularly monthly salary basis (not an hourly employee) by any public institution of higher education, with an effective date of employment on or before the 12th class day of a regular semester or the 4th class day of a summer term, may pay the same tuition as a resident of Texas for himself, his husband or wife as the case may be and their children, regardless of the length of residence in the state. To be entitled to pay the resident tuition fees such employee must submit prior to the time of each

registration a statement from the Director of Personnel or a designated representative of the institution of higher education for which he is employed certifying that such employment will be in effect at the time of registration.

VI. STUDENT EMPLOYEES

Statute: Section 54.051(o) A teaching assistant, research assistant, or other student employee of any institution covered by this section is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fees and other fees or charges required for Texas residents, without regard to the length of time he had resided in Texas; provided that said student employee is employed at least one-half time in a position which relates to his degree program under rules and regulations established by the employer institution. This exemption shall continue for students employed two consecutive semesters through the summer session following such employment if the institution is unable to provide employment and, as determined under standards established by the institution, if the employee has satisfactorily completed his employment.

A student employed at least half-time by any public institution of higher education in a position which relates to his degree program, with an effective date of employment on or before the 12th class day of a regular semester, or the 4th class day of a summer term, may pay the same tuition as a resident of Texas for himself, his husband or wife as the case may be, and their children regardless of the length of residence in the state. The institution which employs the student shall determine whether or not the student's job relates to his degree program. If a student is employed by an institution of higher education for consecutive Fall and Spring semesters and he was further eligible to pay the tuition charged to Texas residents during those Fall and Spring semesters because of the provisions of this subsection, then the student may continue to pay the resident tuition rate during the Summer session following the Spring employment if the institution is unable to provide employment and if the student has satisfactorily completed his employment.

VII. COMPETITIVE SCHOLARSHIPS

Statute: Section 54.051(p) A nonresident student holding a competitive scholarship of at least \$200 for the academic year or Summer for which he is enrolled is entitled to pay the fees and charges required of Texas residents without regard to the length of time he has resided in Texas, provided that he must compete with other students, including Texas residents, for the scholarship and that the scholarship must be awarded by a scholarship committee officially recognized by the administration of the institution of higher education.

An official scholarship committee or committees of a public institution of higher education may award competitive scholarships in amounts of \$200 or more for the academic year, the Summer session or both. If a nonresident student obtains one of these competitive scholarships, he may pay the same tuition as a resident of Texas during the registration period in which the scholarship is in effect. The student must present a statement from the official scholarship committee certifying that such scholarship will be in effect at the time of registration.

VIII. CITIZENS OF ANY COUNTRY OTHER THAN THE UNITED STATES OF AMERICA

Statute: Section 54.057 An alien who is living in this country under a visa permitting permanent residence or who has filed with the proper Federal immigration authorities a declaration of intention to become a citizen has the same privilege of qualifying for resident status for fee purposes under this Act as has a citizen of the United States. A resident alien residing in a junior college district located immediately adjacent to Texas boundary lines shall be charged the resident tuition by that junior college.

Citizens of any country other than the United States of America who are in this country on a student visa or a visa other than one entitling them to immigrant status and who enroll in an institution of higher education covered by Section 54.051 of the Texas Education Code shall be classified as "...students who are citizens of any country other than the United States of America..." for purposes of Section 1(a)(7) of Article 2654c, V.T.C.S. Such a student who is in this country on an immigrant visa can be classified as a resident student if he has resided in the state for a period of 12 months under circumstances indicating his intention to reside permanently in Texas and not merely to complete his education. To this extent a citizen of any country other than the United States of America residing in Texas on an immigrant visa shall be in no different position than the citizen of the United States who has been a resident of another state. A citizen of any country other than the United States of America residing in the United States of America in a State other than Texas on an immigrant visa and has established his intent to reside permanently in such other State shall be classified as a nonresident.

IX. RECIPROCITY CLAUSE APPLICABLE TO JUNIOR COLLEGES

Statute: Section 54.060 The nonresident tuition fee prescribed in this Act does not apply to a nonresident student who is a resident of a state situated adjacent to Texas and who registers in any Texas public junior college situated immediately adjacent to the state in which the nonresident student resides. The nonresident student

described in this Subsection shall pay an amount equivalent to the amount charged a Texas student registered at a similar school in the state in which the nonresident student resides.

X. STUDENT RESPONSIBILITIES

A. Student Responsibility to Register Under Proper Classification

The responsibility of registering under the proper residence classification is that of the student, and if there is any question of his right to classification as a resident of Texas, it is his obligation, prior to or at the time of his registration, to raise the question with the administrative officials of the institution in which he is registering and have such officially determined.

B. Notification Upon Becoming a Nonresident

Every student who is classified as a resident student but who becomes a nonresident at any time by virtue of a change of legal residence by his own action or by the person controlling his domicile is required to notify the proper administrative officials of his institution at once.

XI. OFFICIAL CHANGE OF RESIDENCE STATUS

A. Application for Reclassification

Every student classified as a nonresident student shall be considered to retain that status until such time as he shall have made written application for reclassification in the form prescribed by the institution and shall have been officially reclassified in writing as a resident of Texas by the proper administrative officers of the institution.

B. Reclassification as a Nonresident

Every person who has been classified as a resident of Texas shall be reclassified as a nonresident student whenever he shall report, or there is found to exist, circumstances indicating a change in legal residence to another state. If any student who has been classified as a resident of Texas shall be found to have been erroneously so classified, he shall be reclassified as a nonresident and shall be required to pay the difference between the resident and nonresident fees for such semesters in which he was so erroneously classified. In addition, he shall be required to pay back all monies borrowed from the Texas Opportunity Plan Fund.

C. Reclassification as a Resident

If any student has been erroneously classified as a nonresident student and subsequently proves to the satisfaction of the appropriate officials of an institution of higher education that he should have been classified as a resident student, he shall be reclassified as a resident of Texas and shall be entitled to a refund of the difference between the resident and nonresident fees for the semesters in which he was so erroneously classified.

XII. PENALTIES

Statute: Section 54.053 The governing board of such institution required by this Act to charge a nonresident tuition or registration fee is subject to the rules, regulations, and interpretations issued by the Coordinating Board, Texas College and University System, for the administration of the nonresident tuition provisions of this Act. The rules, regulations, and interpretations promulgated by the Coordinating Board shall be furnished to the presidents or administrative heads of all Texas public senior and junior colleges and universities.

Section 54.061 The governing board of an institution of higher education may assess and collect from each nonresident student who fails to comply with the rules and regulations of the boards concerning nonresident fees a penalty not to exceed \$10 a semester.

Student Compliance with Institutional Rules and Regulations

Each institution has been authorized by statute to assess and collect from each nonresident student failing to comply with the provisions of the tuition statute and with these interpretations concerning nonresident fees a penalty not to exceed \$10.00 a semester. In addition, if a student has obtained residence classification by virtue of deliberate concealment of facts, or misrepresentation of fact, he may be subject to appropriate disciplinary action, in accordance with the rules and regulations that may be adopted by the governing boards of the respective institutions of higher education.

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET

Source of funds for payment of salaries, unless otherwise indicated, is the departmental salaries account.

GENERAL ADMINISTRATIONOffice of the President

1. Transfer of Funds
Amount of Transfer - \$5,050
- | | | |
|-------|--|----------|
| From: | Unallocated | \$ 5,050 |
| To: | Office of the President -
Maintenance & Operation | \$ 4,050 |
| | Travel | 1,000 |
- For: To provide for additional expenses to be incurred in developing the University. (RBC D57)

General Accounting

2. Transfer of Funds
Amount of Transfer - \$9,207
- | | | |
|-------|---|----------|
| From: | Unallocated | \$ 9,207 |
| To: | General Accounting -
Classified Salaries | \$ 9,207 |
- For: To provide for additional personnel requirements (RBC D50)

Personnel

3. Transfer of Funds
Amount of Transfer - \$500
- | | | |
|-------|---------------------------------|--------|
| From: | Personnel - Classified Salaries | \$ 500 |
| To: | Personnel - Travel | \$ 500 |
- For: To provide funds for expenses of attending two Personnel association meetings in Kentucky and New Mexico. (RBC D59)

GENERAL INSTITUTIONALInformation Services

4. Increase Alfred T. Mitchell, Director of Information, from an annual salary of \$14,500 to \$15,000 effective January 1, 1972. Source of funds for this increase: Unallocated. (RBC D43)

Central PBX

5. Transfer of Funds
Amount of Transfer - \$1,600
- | | | |
|-------|--|----------|
| From: | Unallocated -
Maintenance & Operation | \$ 1,600 |
| To: | Central PBX -
Maintenance & Operation | \$ 1,600 |
- For: To provide for five additional trunk lines to relieve overload in outside calls. (RBC D60)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET (continued)RESIDENT INSTRUCTIONPhysics

6. Transfer of Funds
Amount of Transfer - \$2,557
- | | | |
|-------|--|----------|
| From: | DASS Organized Research -
Classified Salaries | \$ 2,557 |
| To: | Physics -
Classified Salaries | \$ 2,557 |
- For: To provide for secretarial services for program chairman.
(RBC D52)
7. Grant a leave of absence without pay to Brian A. Tinsley, Associate Professor (Tenure) academic rate \$13,600, for the period March 13, 1972 through March 31, 1972. He will also be on leave from DASS Contracts and Grants. (RBC D54)

Geosciences

8. Appoint Mark Landisman, Professor (Tenure) academic rate \$19,200, for the period January 1, 1972 through May 31, 1972. Appoint him also to Geosciences Contracts and Grants. Source of funds for this appointment: Geosciences and Geosciences Contracts and Grants. (RBC D46)

Biology

9. Transfer of Funds
Amount of Transfer - \$450
- | | | |
|-------|--------------------------------------|--------|
| From: | Biology -
Maintenance & Operation | \$ 450 |
| To: | Biology -
Computer Services | \$ 450 |
- For: To provide for computer services for instructional purposes which were not anticipated in the original budget.
(RBC D49)

Chemistry

10. Transfer of Funds
Amount of Transfer - \$5,500
- | | | |
|-------|--|----------|
| From: | Unallocated Development Funds | \$ 5,500 |
| To: | Chemistry -
Maintenance & Operation | \$ 4,500 |
| | Travel | 1,000 |
- For: To provide an operating budget for year as Chemistry was not in the original budget. (RBC D47)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET (continued)ORGANIZED RESEARCHBiology

11. Transfer of Funds
 Amount of Transfer \$2,150
- | | |
|--|----------|
| From: Biology Organized Research -
Classified Salaries | \$ 2,150 |
| To: Biology Organized Research -
Administrative & Professional Salaries | \$ 2,150 |
| For: To provide funds for additional personnel. (RBC D45) | |

Chemistry

12. Transfer of Funds
 Amount of Transfer - \$21,600
- | | |
|---|----------|
| From: Unallocated Development Funds | \$21,600 |
| To: Chemistry Organized Research -
Computer Services | \$18,000 |
| Maintenance & Operation | 3,600 |
| For: To provide an operating budget for the year as Chemistry Organized
Research was not in the original budget. (RBC D47) | |

CONTRACTS & GRANTSDivision of Atmospheric & Space Sciences

13. Promote Donald L. Sterling from a Research Scientist Associate I at an annual rate of \$10,440 to a Research Associate at an annual rate of \$14,400 effective February 1, 1972. (RBC D25)
14. Increase John D. Winningham, Research Associate, from an annual rate of \$12,000 to \$13,500 effective March 1, 1972. (RBC D48)

Division of Biology

15. Appoint Donald M. Gray, Assistant Professor (non-tenure) academic rate \$12,300 for the period June 1, 1972 through August 31, 1972. (RBC D62)
16. Resign Sadamasa Minato, Research Associate at an annual rate of \$9,500, effective April 4, 1972. (RBC D61)
17. Extend a leave of absence without pay to Helga Harm, Research Associate at an annual rate of \$10,400, for the period April 1, 1972 through August 31, 1972. (RBC D51)

Sincerely,



Bryce Jordan
 President

THE UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL SCHOOL AT DALLAS
5323 Harry Hines Boulevard, Dallas, Texas 75235

March 23, 1972

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

Dear Dr. LeMaistre:

The following docket for The University of Texas Southwestern Medical School at Dallas is submitted for your approval and presentation to the Board of Regents at its next meeting in Austin on April 29, 1972.

TRAVEL PERMITS. Approval is requested for the following travel:

1. Heinz F. Eichenwald, M.D., Professor and Chairman of Pediatrics, to travel to Saigon, South Vietnam to visit the American Medical Association Educational Project at the University of Saigon for the period from May 1, 1972 through May 29, 1972. Expenses will be paid by the American Medical Association.
2. Paul A. Srere, Professor of Biochemistry to travel to the University of Lund, Sweden on a sabbatical leave for the period from June 1, 1972 through November 30, 1972. No expenses are requested.
3. Revise the travel of David P. Nicholson, M.D., Associate Professor of Internal Medicine to extend through February 12, 1972 and include laboratory work in Canada. No additional expenses are requested.

GIFTS OF \$5,000 OR MORE. It is recommended the following gifts be approved and that the appreciation of the Board of Regents be sent to the donor.

Donor	Purpose and Condition	Amount
1. Ross Laboratories Columbus, Ohio 43216	Research in Obstetrics and Gynecology	\$ 6,000.00
2. *American College of Physicians 4200 Pine Street Philadelphia, Penn. 19104	To support course in behalf of the college	10,000.00
3. *Mrs. Florence Latz c/o Mr. John S. Kubie 666 Fifth Avenue New York, New York	Research in Diabetes	5,000.00
4. Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	Human Growth and Development Program in Pediatrics	5,000.00
5. Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	Phase I Building Program	1,049,000.00
6. Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	Fred F. Florence Bioinformatics Building	115,000.00

*No original letter from donor.

GRANTS (NON-GOVERNMENTAL). Approval of the following grants is requested and it is recommended that the appreciation of the Board of Regents be sent to the donors:

1. Grant whereby the Medical Research Foundation of Texas, Adams Petroleum Center Building, Houston, Texas 77025 grants \$5,000 for their annual "seed research" grant. This is directed by Dr. Charles C. Sprague and the Research Committee.
2. Grant whereby The Arthritis Foundation, 1212 Avenue of the Americas, New York, New York 10036, provides an increase in the stipend for Dr. Hugo Jasin for the 1972 year. Dr. Jasin is an Associate Professor of Internal Medicine.
3. Grant SG 72-7 (R) whereby the National Academy of Sciences, National Research Council, 2101 Constitution Avenue, Washington, D. C. 20418, provides \$9,333 for the James Picker Foundation Scholar in Radiological Research for the period from September 1, 1972 through August 31, 1973. This is for Dr. Robert W. Parkey, Assistant Professor of Radiology and directed by Dr. Frederick J. Bonte, Professor and Chairman of Radiology.
4. Grant whereby the Dallas Area Chapter, National Cystic Fibrosis Research Foundation, 1206 Stemmons Tower West, Dallas, Texas 75207, provides additional support in the amount of \$6,401 for the Dallas Cystic Fibrosis Care and Teaching Center for the period from March 1, 1972 through October 31, 1972. This is directed by Dr. Robert Kramer, Clinical Associate Professor of Pediatrics.
5. Grant whereby Schering Corporation, 60 Orange Street, Bloomfield, New Jersey, provides \$3,425 additional support for research on Evaluation of Intrathecal Therapy of Gram Negative Meningitis of Infancy. This is directed by Dr. George McCracken, Assistant Professor of Pediatrics.
6. Grant I-038 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, provides \$30,000 for research on Chemical Mechanisms of Protein Metabolism for the period from May 1, 1972 through April 30, 1974. This is directed by Dr. Donald S. Wiggans, Professor of Biochemistry.
7. Grant I-405 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, provides \$24,000 for research on Metabolic Control of Microbial Hydrocarbon Oxidation Reactions for the period from May 1, 1972 through April 30, 1974. This is directed by Dr. Julian A. Peterson, Assistant Professor of Biochemistry.
8. Grant I-334 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, provides \$24,000 for research on Tumor Inhibitory Enzymes for the period from May 1, 1972 through April 30, 1974. This is directed by Dr. Morton D. Prager, Professor of Surgery and Associate Professor of Biochemistry.
9. Grant I-305 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, provides \$15,000 for research on The Isolation and Identification of some Hypothalamic Releasing Factors for the period from May 1, 1972 through April 30, 1973. This is directed by Dr. C. Peter Fawcett, Assistant Professor of Physiology and Dr. S. M. McCann, Professor and Chairman of Physiology.
10. Grant I-181 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, provides \$15,000 for research on Ultramicro Analysis of Steroid Hormones in Biological Tissues for the period from May 1, 1972 through April 30, 1973. This is directed by Dr. Pentti K. Siiteri, Professor of Biochemistry.
11. Grant I-510 whereby The Robert A. Welch Foundation, 2010 Bank of the Southwest Building, Houston, Texas 77002, provides \$20,000 for research on Biochemical Mechanism of α -Keto Acid Oxidative Decarboxylation for the period from May 1, 1972 through April 30, 1974. This is directed by Dr. Tracy C. Linn, Assistant Professor of Biochemistry.

GRANTS (NON-GOVERNMENTAL). (continued)

12. Grant whereby The John A. Hartford Foundation, Inc., 405 Lexington Avenue, New York, New York 10017, provides \$135,964 for research on Studies of the Clinical Pharmacology of Antimicrobial Agents in Neonates and Young Infants for the period from September 1, 1972 through August 31, 1975. This will be directed by Dr. George H. McCracken, Jr., Assistant Professor of Pediatrics.
13. Grant whereby The Lalor Foundation, 4400 Lancaster Pike, Wilmington, Delaware 19805, provides \$7,700 for a Fellowship Award for the period from March 1, 1972 through February 28, 1973. This is for Dr. Norman F. Gant, Jr., Assistant Professor of Obstetrics and Gynecology.
14. Grant whereby Calbiochem, P. O. Box 12087, San Diego, California 92112, provides \$13,750 for research on Double-Blind Study of Azaribine in Psoriasis. This will be directed by Dr. James H. Herndon, Jr., J. B. Shel mire Assistant Professor of Internal Medicine and Chairman of the Division of Dermatology.
15. Grant whereby Clayton Foundation for Research, 1621 Bank of the Southwest Building, Houston, Texas 77002, provides an amount not to exceed \$15,087 for research on Bacterial Asparaginases and the Treatment of Leukemia for the period from October 1, 1971 through September 30, 1972. This will be directed by Dr. Morton D. Prager, Associate Professor of Biochemistry and Professor of Surgery and Dr. Eugene Frenkel, Professor of Internal Medicine.
16. Grant whereby Marion Laboratories, Inc., 10236 Bunker Ridge Road, Kansas City, Missouri 64137 provides \$34,000 additional funds for research on Study of Silvadene. This is directed by Dr. Charles R. Baxter, Professor of Surgery.

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

1. Revised Research Grant 5 S01 RR 05426-11 whereby the National Institutes of Health, Public Health Service, provides \$284,190 for the General Research Support Grant for the period from January 1, 1972 through December 31, 1972. This is directed by Dr. Charles C. Sprague, Dean.
2. Revised Award 44-P-30064/6-07 Amendment No. 1, whereby the Department of Health, Education and Welfare, Rehabilitation Services Administration, provides revised award in the amount of \$15,375 for the Teaching Grant and Traineeships in Rehabilitation Medicine for the period from September 1, 1971 through June 30, 1972. This is directed by Dr. Alexander D. Raptou, Assistant Professor and Acting Chairman of Physical Medicine and Rehabilitation.
3. Research Fellowship Award 1 FO2 DE 51513-01 whereby the National Institutes of Health, Extramural Programs, Public Health Service, provides \$1,000 for a Postdoctoral Supply Allowance for Douglas P. Sinn, and sponsored by Dr. Bruce N. Epker, Assistant Professor of Oral Surgery.
4. Revised Award 44-P-30064/6-07, Amendment No. 2, whereby the Department of Health, Education and Welfare, Rehabilitation Services Administration, provides \$5,400 additional funds for the Teaching Grant & Traineeships in Rehabilitation Medicine for the period from September 1, 1971 through June 30, 1972. This is directed by Dr. Alexander D. Raptou, Assistant Professor and Acting Chairman of Physical Medicine and Rehabilitation.
5. Contract NIH 71-4710; Supplemental Agreement #1 whereby the Contract Management Section, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014, increases the total award to \$231,161, extends the expiration date to January 31, 1973, amends the description of work, adjusts overhead to 67.1% of salaries and wages, and adds an article on billing instructions. This is directed by Dr. Donald D. Hendricks, Director of Library.

CONTRACTS AND GRANTS (FEDERAL). (continued)

6. Training Grant 5 T01 AI 00030-13 whereby the National Institute of Allergy and Infectious Diseases, Public Health Service, provides \$65,774 for Graduate Training: Infectious Disease and Immunology for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. Jay P. Sanford, Professor of Internal Medicine.
7. Research Grant 5 R01 HD 03765-04 whereby the National Institute of Child Health and Human Development, Public Health Service, provides direct costs in the amount of \$11,634 plus applicable indirect costs for research on Pregnancy Wastage and Maternal Folate Metabolism for the period from March 1, 1972 through February 28, 1973. This is directed by Dr. Jack A. Pritchard, Professor of Obstetrics and Gynecology.
8. Research Grant 1 R01 NS 09975-01 whereby the National Institute of Neurological Diseases and Stroke, Public Health Service, provides direct costs in the amount of \$49,386 plus applicable indirect costs for research on Nonsynaptic Electrogenesis During Hippocampal Seizure for the period from February 1, 1972 through January 31, 1974. This will be directed by Dr. Robert M. Lebovitz, Assistant Professor of Physiology.
9. Research Grant NGL 44-012-151, Supplement No. 2 whereby the National Aeronautics and Space Administration, Manned Spacecraft Center, Houston, Texas 77058, provides an additional \$38,000 for the project entitled Cardiovascular Effects of Variations in Habitual Levels of Physical Activity and extends the period of performance to December 15, 1972. This is directed by Dr. Jere Mitchell, Professor of Internal Medicine and Physiology.
10. Project No. 06-H-000,074-04-0 whereby the Department of Health, Education and Welfare, Regional Office, 1114 Commerce Street, Dallas, Texas 75202, provides \$793,912 for the Greater Dallas Family Planning Project for the period from January 1, 1972 through December 31, 1972. This is directed by Dr. Jack Pritchard, Professor of Obstetrics and Gynecology.
11. Research Grant 1 R01 NS 10046-01 whereby the National Institute of Neurological Diseases and Stroke, Public Health Service, provides direct costs in the amount of \$41,680 plus applicable indirect costs for research on Brain Mechanisms in Thermoregulation for the period from February 1, 1972 through January 31, 1974. This is directed by Dr. James M. Lipton, Assistant Professor of Psychology.
12. Research Grant 2 R01 CA 11113-04 whereby the National Cancer Institute, Public Health Service, provides direct costs in the amount of \$29,887 plus applicable indirect costs for research on Tumor Inhibitory Enzymes for the period from February 1, 1972 through January 31, 1973. This is directed by Dr. Morton D. Prager, Professor of Surgery.
13. Training Grant 2 T01 AI 00337-06 whereby the National Institute of Allergy and Infectious Diseases, Public Health Service, provides \$55,527 for training in Pediatric Infectious Disease and Immunology for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. Heinz F. Eichenwald, Professor and Chairman of Pediatrics.
14. Research Grant 5 R01 HL 05181-12 whereby the National Heart and Lung Institute, Public Health Service, provides direct costs in the amount of \$9,789 plus applicable indirect costs for research on Dynamic Radionuclide Study of Blood Pools for the period from April 1, 1972 through March 31, 1973. This is directed by Dr. Frederick J. Bonte, Professor and Chairman of Radiology.
15. Research Grant 5 P01 HL 11662-05 whereby the National Heart and Lung Institute, Public Health Service, provides direct costs in the amount of \$193,177 plus applicable indirect costs for research on Regulation of Fluid, Electrolyte, and Acid-Base Balance for the period from February 1, 1972 through January 31, 1973. This is directed by Dr. Donald W. Seldin, Professor and Chairman of Internal Medicine.

CONTRACTS AND GRANTS (FEDERAL). (continued)

16. Career Award 4 K06 HL 01958-11 whereby the National Heart and Lung Institute, Public Health Service, provides \$27,505 for a research career program entitled Regulation of Intermediary Metabolism for the period from March 1, 1972 through February 28, 1973. This is for Dr. Marvin D. Siperstein, Professor of Internal Medicine and sponsored by Dr. Donald W. Seldin, Professor and Chairman of Internal Medicine.
17. C&Y Project #647, Budget Revision No. 2 whereby the Department of Health, Education and Welfare, Regional Office, 1114 Commerce Street, Dallas, Texas 75202, approves the Budget Revision No. 2 of the Children and Youth Project. The amount remains \$664,000 and the period of the grant is April 1, 1971 through March 31, 1972. This is directed by Dr. Heinz F. Eichenwald, Professor and Chairman of Pediatrics.
18. Contract F41609-68-C-0028, Modification P00003, whereby the Aerospace Medical Division (AFSC), Brooks AFB, Texas 78235, revises the amount of the contract from \$32,382.10 to \$14,741.80.
19. Development Award 5 K04 HD 46345-03 whereby the National Institute of Child Health and Human Development, Public Health Service, provides \$24,500 for a research career program entitled Membrane Biogenesis in Mammalian Growth for the period from May 1, 1972 through April 30, 1973. This is for Dr. Charles E. Mize, Assistant Professor of Pediatrics and Biochemistry and sponsored by Dr. Heinz F. Eichenwald, Professor and Chairman of Pediatrics.
20. Contract No. NIH-72-C-527 whereby the National Institutes of Health, Bethesda, Maryland 20014, approves a contract not to exceed \$17,246 to arrange and conduct a conference entitled Consideration of Induced & Spontaneous Variation in Immune Responsiveness for the period from March 1, 1972 through August 31, 1972. This will be directed by Dr. Rupert Billingham, Professor and Chairman of Cell Biology.
21. Research Grant 2 R01 HL 13625-03 whereby the National Heart and Lung Institute, Public Health Service, provides direct costs in the amount of \$32,650 plus applicable indirect costs for research on Radionuclide Study of Regional Myocardial Blood Flow for the period from June 1, 1972 through May 31, 1973. This is directed by Dr. Frederick J. Bonte, Professor and Chairman of Radiology.
22. Research Grant 5 R01 HL 08771-09 whereby the National Heart and Lung Institute, Public Health Service, provides direct costs in the amount of \$28,556 plus applicable indirect costs for research on Circulatory Changes and Fluid Volumes in Burns for the period from April 1, 1972 through March 31, 1973. This is directed by Dr. Charles R. Baxter, Professor of Surgery.
23. Training Grant 5 T01 HD 00256-05 whereby the National Institute of Child Health and Human Development, Public Health Service, provides \$69,109 for training in Physiology of Reproduction for the period from July 1, 1972 through June 30, 1973. This is directed by Dr. Jack A. Fritchard, Professor of Obstetrics and Gynecology.

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

1. Interagency Contract IAC (72-73)-390 whereby the State Board of Control, P. O. Box 13047, Capitol Station, Austin, Texas 78711, approves a contract not to exceed \$280 for The University of Texas Southwestern Medical School at Dallas, School of Allied Health Professions to provide courses of instruction and instructional aids to approved employees of the Texas Employment Commission for the period from January 10, 1972 through August 31, 1972.

AMENDMENTS TO 1971-1972 BUDGET. Approval is requested for the following. The following amendments to the 1971-72 budget are written on the basis of "budget rates" rather than the "freeze rates" resulting from the President's Executive Order. For the duration of the wage-price freeze, while reported amendments to the budget are based on budget rates, all payrolls are processed in compliance with the rules, regulations, and guidelines issued under authority of the Executive Order.

Anesthesiology

1. Transfer funds in the amount of \$7,500 from Unallocated Faculty Salaries, account No. 207000, to Anesthesiology Teaching Salaries, account No. 204100, and change the source of salary for Samuel J. Montgomery (non-tenure), Visiting Assistant Professor, for the period February 1, 1972 through July 31, 1972, from an annual salary rate of \$15,000 from Various Donors to \$15,000 from Anesthesiology budget. (RBC No. 210)

2. Change the status of Jo-Allene Horne (non-tenure), effective March 1, 1972, from Assistant Professor of Anesthesiology, to Assistant Professor of Anesthesiology and Pediatrics, with no change in salary. Dr. Horne is budgeted at an annual salary rate of \$25,000 payable as follows: \$19,747 from Anesthesiology budget and \$5,253 from Various Donors. (RBC No. 275)

3. Change the status of Donald G. Lee (non-tenure), effective February 1, 1972, from Teaching Fellow at an annual salary rate of \$12,000 payable from Veterans Administration Hospital, to Instructor at an annual salary rate of \$16,000 payable from Veterans Administration Hospital. (RBC No. 169)

Biochemistry

4. Transfer funds in the amount of \$2,749.98 from Unallocated Faculty Salaries, account No. 207000, to Biochemistry Teaching Salaries, account No. 204300, and change the source of salary of Luean E. Anthony (non-tenure), Instructor, effective March 1, 1972, from an annual salary rate of \$11,000 payable as follows: \$5,500 from USPHS 5 P11 GM 16488 and \$5,500 from School of Allied Health Professions budget, to \$5,500 from Biochemistry budget and \$5,500 from School of Allied Health Professions budget. (RBC No. 258)

5. Transfer funds in the amount of \$5,500.02 from Unallocated Faculty Salaries, account No. 207000, to Biochemistry Teaching Salaries, account No. 204300, and change the source of salary of Michael Waterman, (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$15,500 payable as follows: \$4,500 from Biochemistry budget and \$11,000 from USPHS 5 P11 GM 16488, to \$15,500 from Biochemistry budget. (RBC No. 214)

6. Transfer funds in the amount of \$6,999.96 from Unallocated Faculty Salaries, account No. 207000, to Biochemistry Teaching Salaries, account No. 204300, and change the source of salary of Michael Franklin (non-tenure), Research Assistant Professor, effective March 1, 1972, from an annual salary rate of \$14,000 from USPHS 5 P11 GM 16488, to \$14,000 from Biochemistry budget. (RBC No. 215)

7. Transfer funds in the amount of \$7,000.02 from Unallocated Faculty Salaries, account No. 207000, to Biochemistry Teaching Salaries, account No. 204300 and change the source of salary of Jeffrey Baron (non-tenure), Research Assistant Professor, effective March 1, 1972, from an annual salary rate of \$14,000 from USPHS 5 P11 GM 16488, to \$14,000 from Biochemistry budget. (RBC No. 216)

8. Transfer funds in the amount of \$3,102 from Unallocated Faculty Salaries, account No. 207000, to Biochemistry Teaching Salaries, account No. 204300, and change the source of salary of Gakashi Matsubara, (non-tenure), Associate, effective March 1, 1972, from an annual salary rate of \$10,000 from USPHS 5 P11 GM 16488, to \$10,000 payable as follows: \$6,204 from Biochemistry budget and \$3,796 from USPHS 5 P11 GM 16488. (RBC No. 217)

9. Appoint Russell A. Prough (non-tenure), Instructor, effective March 1, 1972, at an annual salary rate of \$12,000 payable from USPHS 5 P11 GM 16488. (RBC No. 270)

AMENDMENTS TO 1971-72 BUDGET. (continued)Biochemistry (continued)

10. Transfer funds in the amount of \$5,899.98 from Unallocated Faculty Salaries, account No. 207000, as follows: \$1,897.98 to Biochemistry Teaching Salaries, account No. 204300, and \$4,002.00 to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of John Denis McGarry (non-tenure), Assistant Professor of Internal Medicine and Biochemistry effective March 1, 1972, from an annual salary rate of \$18,000 payable as follows: \$6,200 from Biochemistry budget and \$11,800 from Damon Runyon Fund, to \$9,996 from Biochemistry budget and \$8,004 from Internal Medicine budget. (RBC No. 264)

Cell Biology

11. Transfer funds in the amount of \$9,677.46 from Unallocated Faculty Salaries, account No. 207000, to Cell Biology Teaching Salaries, account No. 204000, and appoint William B. Neaves (non-tenure), Assistant Professor of Cell Biology, effective March 7, 1972, at an annual salary rate of \$20,000 payable from Cell Biology budget. (RBC No. 271)

Internal Medicine

12. Transfer funds in the amount of \$3,000 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Jack A. Barnett (tenure), Professor of Internal Medicine and School of Allied Health Professions and Chairman of Division of Preventive Medicine and Public Health, effective March 1, 1972 from an annual salary rate of \$30,500 payable as follows: \$24,500 from Internal Medicine budget, \$2,000 from USPHS 5 R01 HD 00851 and \$4,000 from USPHS 5 T01 AI 00030, to \$30,500 from Internal Medicine budget. (RBC No. 233)

13. Transfer funds in the amount of \$8,350.02 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500 and change the source of salary of Norman W. Carter (tenure), Professor, effective March 1, 1972, from an annual salary rate of \$32,000 payable as follows: \$13,300 from Internal Medicine budget, \$12,700 from USPHS 5 T01 HE 05469, \$4,000 from USPHS 5 P01 HE 11662 and \$2,000 from USPHS 5 E03 PE 00174, to \$30,000 from Internal Medicine budget and \$2,000 from USPHS 5 E03 PE 00174. (RBC No. 246)

14. Transfer funds in the amount of \$6,499.98 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of John M. Dietsch, (tenure), Professor, effective March 1, 1972, from an annual salary rate of \$32,000 payable as follows: \$10,000 from Internal Medicine budget, \$13,000 from USPHS 5 R01 HE 09610 and \$9,000 from USPHS 5 T01 AM 05490, to \$23,000 from Internal Medicine budget and \$9,000 from USPHS 5 T01 AM 05490. (RBC No. 232)

15. Transfer funds in the amount of \$4,999.98 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of John S. Fordtran, (tenure), Professor, effective March 1, 1972, from an annual salary rate of \$32,000 payable as follows: \$22,000 from Internal Medicine budget and \$10,000 from USPHS 5 R01 AM 06506, to \$32,000 from Internal Medicine budget. (RBC No. 234)

16. Transfer funds in the amount of \$3,049.98 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Eugene P. Frenkel (tenure), Professor, effective March 1, 1972, from an annual salary rate of \$32,000 payable as follows: \$18,900 from Internal Medicine budget, \$7,000 from USPHS 5 T12 CA 08062 and \$6,100 from USPHS 69-40, to \$25,000 from Internal Medicine budget and \$7,000 from USPHS 5 T12 CA 08062. (RBC No. 240)

AMENDMENTS TO 1971-72 BUDGET. (continued)

Internal Medicine (continued)

17. Transfer funds in the amount of \$2,749.98 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Jay P. Sanford (tenure), Professor of Internal Medicine and School of Allied Health Professions and MEND Coordinator, effective March 1, 1972, from an annual salary rate of \$32,000 payable as follows: \$21,000 from Internal Medicine budget, \$4,500 from USPHS 5 T01 AI 00030, \$1,000 from USPHS 5 R01 HD 00851, \$2,000 from Faculty Gifts for Pathology and \$3,500 from Southwestern Medical Foundation, to ~~\$26,500~~ from Internal Medicine budget, \$2,000 from Faculty Gifts for Pathology and \$3,500 from Southwestern Medical Foundation. (RBC No. 245)
18. Transfer funds in the amount of \$2,500.02 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Morris Ziff (tenure), Professor, effective March 1, 1972, from an annual salary rate of \$32,000 payable as follows: \$25,000 from USPHS 5 K6 AM 14,155, \$5,000 from North Texas Chapter Arthritis Foundation and \$2,000 from Internal Medicine budget, to \$25,000 from USPHS 5 K6 AM 14,155 and \$7,000 from Internal Medicine budget. (RBC No. 242)
19. Transfer funds in the amount of \$600 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Hugo E. Jasin (tenure), Associate Professor, effective March 1, 1972, from an annual salary rate of \$27,000 payable as follows: \$8,300 from Internal Medicine budget, \$10,500 from Arthritis Foundation Fellowship, \$1,200 from North Texas Chapter Arthritis Foundation, \$500 from USPHS 5 R01 AM 09989 and \$6,500 from USPHS 5 T01 AM 05154, to \$9,500 from Internal Medicine budget, \$10,500 from Arthritis Foundation Fellowship, \$500 from USPHS 5 R01 AM 09989 and \$6,500 from USPHS 5 T01 AM 05154. (RBC No. 243)
20. Transfer funds in the amount of \$1,249.98 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Carl Gunnar Blomqvist (non-tenure), Assistant Professor of Internal Medicine and Physiology, effective March 1, 1972, from an annual salary rate of \$8,500 payable as follows: \$500 from Internal Medicine budget, \$5,500 from USPHS 5 E03 PE 00174 and \$2,500 from USPHS 5 P01 HE 06296, to \$3,000 from Internal Medicine budget and \$5,500 from USPHS 5 E03 PE 00174. Dr. Blomqvist also receives \$15,000 directly from American Heart Association. (RBC No. 238)
21. Transfer funds in the amount of \$1,812.48 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Lawrence D. Horowitz (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$21,000 payable as follows: \$11,000 from Internal Medicine budget, \$3,625 from USPHS 5 P01 HE 06296 and \$6,375 from USPHS 5 E03 PE 00174, to \$14,625 from Internal Medicine budget and \$6,375 from USPHS 5 E03 PE 00174. (RBC No. 239)
22. Transfer funds in the amount of \$5,199.96 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Eric Hurd (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$22,625 payable as follows: \$3,225 from Internal Medicine budget, \$2,400 from USPHS 5 R01 AM 09989, \$5,000 from USPHS 5 R01 AM 13866, \$3,000 from North Texas Chapter Arthritis Foundation and \$9,000 from Arthritis Foundation Fellowship, to \$13,625 from Internal Medicine budget and \$9,000 from Arthritis Foundation Fellowship. (RBC No. 244)
23. Transfer funds in the amount of \$6,210 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Juha P. Kokko, (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$24,000 payable as follows: \$11,580 from Internal Medicine budget, \$6,210 from USPHS 5 T01 HE 05469 and \$6,210 from USPHS 5 P01 HE 11662, to \$24,000 from Internal Medicine budget. (RBC No. 235)

AMENDMENTS TO 1971-72 BUDGET. (continued)Internal Medicine (continued)

24. Transfer funds in the amount of \$6,499.95 from Unallocated Faculty Salaries, account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of James T. Willerson (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$21,000 payable as follows: \$8,000 from Internal Medicine budget and \$13,000 from USPHS 5 PO1 HE 06296, to \$21,000 from Internal Medicine budget. (RBC No. 236)

25. Transfer funds in the amount of \$750 from Unallocated Faculty Salaries account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and change the source of salary of Marvin J. Stone (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$8,500 payable as follows: \$7,000 from USPHS 5 T12 CA 08062 and \$1,500 from USPHS 69-40, to \$7,000 from USPHS 5 T12 CA 08062 and \$1,500 from Internal Medicine budget. Dr. Stone also receives \$14,000 directly from American Heart Association. (RBC No. 241)

26. Appoint Michael S. Brown (non-tenure), Instructor, effective February 1, 1972, at an annual salary rate of \$13,300 payable as follows: \$4,000 from Internal Medicine budget and \$9,300 from USPHS 5 T01 AM 05490. (RBC No. 213)

27. Transfer funds in the amount of \$4,000 from Unallocated Faculty Salaries account No. 207000, to Internal Medicine Teaching Salaries, account No. 204500, and appoint Robert N. Hyland (non-tenure), Instructor, for the period February 1, 1972 through June 30, 1972, at an annual salary rate of \$20,500 payable as follows: \$9,600 from Internal Medicine budget and \$10,900 from USPHS 5 T01 AI 00030. (RBC No. 256)

28. Transfer funds in the amount of \$7,200 from Unallocated Faculty Salaries account No. 207000, to Internal Medicine Classified Salaries, account No. 204501, to create the position of Research Scientist and appoint to this position Masahiro Ohata, Research Scientist, effective March 1, 1972, at an annual salary rate of \$14,400 payable from Internal Medicine budget. (RBC No. 268)

Neurology

29. Increase the annual salary rate of Myra V. Charest, (non-tenure), Assistant Professor of Nursing Education, effective February 1, 1972, from an annual salary rate of \$14,000 payable from USPHS 3 G02 RM 00007, to \$15,000 from USPHS 3 G02 RM 00007. (RBC No. 254)

Obstetrics and Gynecology

30. Transfer funds in the amount of \$1,999.98 from Unallocated Faculty Salaries, account No. 207000, to Obstetrics and Gynecology Teaching Salaries, account No. 205100, and change the source of salary of Jack A. Pritchard, (tenure), Gillette Professor, effective March 1, 1972, from an annual salary rate of \$35,000 payable as follows: \$22,500 from Obstetrics and Gynecology budget, \$4,000 from Family Planning Project, \$3,000 from Gillette Professorship Fund and \$5,500 from Southwestern Medical Foundation, to \$26,500 from Obstetrics and Gynecology budget, \$3,000 from Gillette Professorship Fund and \$5,500 from Southwestern Medical Foundation. (RBC No. 251)

31. Transfer funds in the amount of \$4,999.98 from Unallocated Faculty Salaries, account No. 207000, to Obstetrics and Gynecology Teaching Salaries, account No. 205100, and change the source of salary of Pentti K. Siiteri (tenure), Professor of Obstetrics and Gynecology and Biochemistry, effective March 1, 1972, from an annual salary rate of \$26,500 payable as follows: \$11,500 from Obstetrics and Gynecology budget, \$5,000 from Biochemistry budget and \$10,000 from USPHS 5 R01 HD 00107, to \$21,500 from Obstetrics and Gynecology budget and \$5,000 from Biochemistry budget. (RBC No. 247)

AMENDMENTS TO 1971-72 BUDGET. (continued)Obstetrics and Gynecology (continued)

32. Transfer funds in the amount of \$8,550 from Unallocated Faculty Salaries, account No. 207000, to Obstetrics and Gynecology Teaching Salaries, account No. 205100, and change the source of salary of Frances G. Martin (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$18,000 payable as follows: \$17,100 from Family Planning Project and \$900 from Obstetrics and Gynecology budget, to \$18,000 from Obstetrics and Gynecology budget. (RBC No. 249)
33. Transfer funds in the amount of \$10,350 from Unallocated Faculty Salaries, account No. 207000, to Obstetrics and Gynecology Teaching Salaries, account No. 205100, and change the source of salary of Walter W. Taylor (non-tenure), Assistant Professor; Chief Physician for Family Planning, effective March 1, 1972, from an annual salary rate of \$23,000 payable as follows: \$2,300 from Obstetrics and Gynecology budget and \$20,700 from Family Planning Project, to \$23,000 from Obstetrics and Gynecology budget. (RBC No. 248)
34. Transfer funds in the amount of \$7,050 from Unallocated Faculty Salaries, account No. 207000, to Obstetrics and Gynecology Teaching Salaries account No. 205100, and change the source of salary of Barbara Cambridge (non-tenure), Instructor in Sociology, effective March 1, 1972, from an annual salary rate of \$14,100 from Family Planning Project to \$14,100 from Obstetrics and Gynecology budget. (RBC No. 250)
35. Accept the resignation of Ikuko Moriyama, (non-tenure), Visiting Assistant Professor effective March 31, 1972. Dr. Moriyama is budgeted at an annual salary rate of \$14,000 payable as follows: \$6,000 from Obstetrics and Gynecology budget and \$8,000 from American Cancer Society. (RBC No. 263)

Pathology

36. Appoint William T. Sparrow (non-tenure), Assistant Professor, effective July 1, 1972, at an annual salary rate of \$24,000 payable as follows: \$16,000 from Pathology budget and \$8,000 from Parkland Memorial Hospital Services. (RBC No. 253)

Pediatrics

37. Change the source of salary of Kenneth C. Haltalin (non-tenure), Assistant Professor, for the period February 1, 1972 through March 12, 1972, from an annual salary rate of \$22,000 payable as follows: \$19,500 from Pediatrics budget and \$2,500 from USPHS 5 T01 AI 00337, to \$22,000 paid from American Medical Association Contract. (RBC No. 203)
38. Appoint James M. Brown (non-tenure), Instructor in Pediatrics and Psychology, effective for the period February 14, 1972 through June 30, 1972, at an annual salary rate of \$15,640 payable as follows: \$12,512 from USPHS 12 HS 328 and \$3,128 from Texas Department of Mental Health and Retardation. (RBC No. 255)
39. Transfer funds in the amount of \$4,750 from Unallocated Faculty Salaries, account No. 207000, to Pediatrics Teaching Salaries, account No. 205500, and change the source of salary of Amy Talbot (non-tenure), Assistant Professor of Pediatrics and Psychology, effective April 1, 1972 from an annual salary rate of \$17,750 paid from USPHS 06-H-000,079, to \$11,400 from Pediatrics budget and \$6,350 from USPHS 06-H-000,079. (RBC No. 265)
40. Transfer funds in the amount of \$4,750 from Unallocated Faculty Salaries, account No. 207000, to Pediatrics Teaching Salaries, account No. 205500, and change the source of salary of Peggy C. Fry (non-tenure), Assistant Professor, effective April 1, 1972, from an annual salary rate of \$18,000 paid from USPHS 06-H-000,079, to \$11,400 from Pediatrics budget and \$6,600 from USPHS 06-H-000,079. (RBC No. 266)

AMENDMENTS TO 1971-72 BUDGET. (continued)Pediatrics

41. Change the source of salary of JoAnne Whitaker, Professor without tenure, effective February 1, 1972, from an annual salary rate of \$37,500 payable as follows: \$30,000 salary from American Medical Association Contract and \$7,500 overseas differential from American Medical Association Contract, to \$29,400 salary from American Medical Association Contract, \$7,350 overseas differential from American Medical Association Contract, \$600 salary from William Buchanan Fund, and \$150 overseas differential from William Buchanan Fund. (RBC No. 272)

42. Remove the overseas differential payment for JoAnne Whitaker, Professor without tenure, as follows: For the period December 16, 1972 through January 6, 1972, at the rate of \$7,000 from American Medical Association Contract, and for the period February 1, 1972 through February 5, 1972, at the rate of \$7,500 as follows: \$7,350 from American Medical Association Contract and \$150 from William Buchanan Fund. (RBC No. 273)

Physical Medicine and Rehabilitation

43. Change the status of Ursula Krusen (non-tenure), effective September 1, 1971, from Clinical Associate Professor, 33%, at an annual salary of \$7,350 payable from Physical Medicine and Rehabilitation budget to Clinical Professor, 33%, at an annual salary of \$7,350 payable from Physical Medicine and Rehabilitation budget. (RBC No. 204)

44. Change the status of George F. Cromes, Jr. (non-tenure), effective February 1, 1972, from Assistant Professor in Vocational Rehabilitation; Department of Physical Medicine and Rehabilitation and School of Allied Health Professions, to Assistant Professor and Chairman of Division of Vocational Rehabilitation; Assistant Professor in Division of Psychology and School of Allied Health Professions, with no change in salary. Dr. Cromes is budgeted at an annual salary rate of \$12,500 payable as follows: \$6,600 from Physical Medicine and Rehabilitation budget, \$5,100 from SRS 44-P-30064/6-07 and \$800 from School of Allied Health Professions, Rehabilitation Science. (RBC No. 200)

Physiology

45. Appoint Harry Fred Downey (non-tenure), Assistant Professor, for the period February 1, 1972 through June 30, 1972, at an annual salary rate of \$15,500 payable from USPHS 5 T01 HE 05396. (RBC No. 207)

46. Change the status of John T. Watson, (non-tenure), effective February 1, 1972, from Instructor in Thoracic and Cardiovascular Surgery to Instructor in Physiology and Thoracic and Cardiovascular Surgery, with no change in salary. Dr. Watson is budgeted at an annual salary rate of \$17,000 payable from Surgery budget. (RBC No. 212)

47. Increase the annual salary rate of Stuart A. Bergman, Jr. (non-tenure), Instructor, for the period from March 1, 1972 through June 30, 1972, from an annual salary rate of \$8,520 from USPHS 5 P01 HE 06296, to \$9,520 from as follows: \$8,520 from USPHS 5 P01 HE 06296 and \$1,000 from NASA Contract. (RBC No. 267)

Psychiatry

48. Transfer funds in the amount of \$5,660.89 from Unallocated Faculty Salaries, account No. 207000, to Psychiatry Teaching Salaries, account No. 206100, and appoint Mahmoud Kamal El-Din (non-tenure), Instructor, effective February 7, 1972, at an annual salary rate of \$10,000 payable from Psychiatry budget. (RBC No. 211)

49. Change the status of Judith H. Forgotson, (non-tenure), effective February 21, 1972, from Clinical Assistant Professor, 20%, at an annual salary of \$5,000 payable from USPHS 5 T01 MH 10856, to Clinical Assistant Professor, 50%, at an annual salary of \$12,500 payable as follows: \$5,000 from USPHS 5 T01 MH 10856 and \$7,500 from USPHS 5 T02 MH 05928. (RBC No. 257)

AMENDMENTS TO 1971-72 BUDGET. (continued)

Psychiatry (continued)

50. Transfer funds in the amount of \$3,333.34 from Unallocated Faculty Salaries, account No. [REDACTED], to Psychiatry Teaching Salaries, account No. [REDACTED], and appoint John L. Hall (non-tenure), Instructor, effective July 1, 1972, at an annual salary rate of \$20,000 payable from Psychiatry budget. (RBC No. 261)

Radiology

51. Transfer funds in the amount of \$8,499.96 from Unallocated Faculty Salaries, account No. [REDACTED], to Radiology Teaching Salaries, account No. [REDACTED], and change the source of salary of Mary Esther Gauden, (non-tenure), Emma Freeman Associate Professor, effective March 1, 1972, from an annual salary rate of \$20,000 payable as follows: \$3,000 from Radiology budget and \$17,000 from Emma Freeman Professorship Fund, to \$20,000 from Radiology budget. (RBC No. 219)

52. Change the status of Dale E. Fuller (non-tenure), effective March 1, 1972, from Clinical Assistant Professor, 40%, to Clinical Associate Professor, 40%, with no change in salary. Dr. Fuller is budgeted at an annual salary of \$10,000 payable from Radiology budget. (RBC No. 260)

Surgery

53. Transfer funds in the amount of \$3,200 from Unallocated Faculty Salaries account No. [REDACTED] to Surgery Teaching Salaries, account No. [REDACTED], and change the source of salary of Donald D. Trunkey (non-tenure), Research Assistant Professor, effective January 1, 1972, at an annual salary rate of \$4,800 paid from Surgery Trust Fund, to \$4,800 paid from Surgery budget. Dr. Trunkey receives a direct NIH Fellowship in the amount of \$18,000. (RBC No. 195)

54. Transfer funds in the amount of \$3,200 from Unallocated Faculty Salaries, account No. [REDACTED], to Surgery Teaching Salaries, account No. [REDACTED], and change the source of salary of Lewis M. Flint, Jr. (non-tenure), Research Instructor effective January 1, 1972 from \$4,800 paid from Surgery Trust Fund, to \$4,800 paid from Surgery budget. Dr. Flint receives a direct NIH Fellowship in the amount of \$13,000. (RBC No. 196)

55. Transfer funds in the amount of \$11,333.36 from Unallocated Faculty Salaries, account No. [REDACTED], to Surgery Teaching Salaries, account No. [REDACTED], and change the source of salary of John T. Watson (non-tenure) Instructor in Thoracic and Cardiovascular Surgery, effective January 1, 1972, from an annual salary rate of \$17,000 paid from USPHS 5 P01 GM 14892, to \$17,000 paid from Surgery budget. (RBC No. 201)

56. Change the status of Bruce N. Epker (non-tenure), Assistant Professor of Oral Surgery, effective January 1, 1972 through June 30, 1972, from full time at an annual salary rate of \$16,500 payable as follows: \$15,000 from Surgery budget and \$1,500 from USPHS 5 E03 ME 00174, to 20% time at an annual salary of \$3,500 payable as follows: \$1,000 from Surgery budget and \$2,500 from USPHS 5 E03 ME 00174. (RBC No. 202)

57. Transfer funds in the amount of \$4,643.69 from Unallocated Faculty Salaries, account No. [REDACTED], to Surgery Teaching Salaries, account No. 206400, and appoint Barbara Minshew (non-tenure), Assistant Professor of Surgery and Microbiology at an annual salary rate of \$16,000 payable as follows: \$8,000 from Surgery budget and \$8,000 from USPHS 5 P01 GM 14892. (RBC No. 208)

58. Transfer funds in the amount of \$3,388.50 from Unallocated Faculty Salaries, account No. [REDACTED], to Surgery Teaching Salaries, account No. [REDACTED], and change the source of salary of Morton D. Prager (tenure), Professor of Surgery, Associate Professor of Biochemistry, effective March 1, 1972, from an annual salary rate of \$25,177 payable as follows: \$18,400 from Surgery budget and \$6,777 from USPHS 5 P01 GM 14892, to \$25,177 from Surgery budget. (RBC No. 223)

AMENDMENTS TO 1971-72 BUDGET. (continued)

Surgery (continued)

59. Transfer funds in the amount of \$3,750 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Ronald L. Holliday (non-tenure), Research Instructor, effective March 1, 1972, from \$7,500 payable from USPHS 5 PO1 GM 14892, to \$7,500 payable from Surgery budget. (RBC No. 222)

60. Transfer funds in the amount of \$7,000.02 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Joel H. Horovitz (non-tenure) Research Instructor, effective March 1, 1972, from an annual salary rate of \$14,000 payable from USPHS 5 PO1 GM 14892, to \$14,000 from Surgery budget. (RBC No. 221)

61. Transfer funds in the amount of \$2,388.54 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Robert N. McClelland (tenure) Professor, effective March 1, 1972, from an annual salary rate of \$24,777 payable as follows: \$20,000 from Surgery budget, \$2,000 from USPHS 5 TO1 GM 01733, and \$2,777 from USPHS 5 PO1 GM 14892, to \$24,777 from Surgery budget. (RBC No. 220)

62. Transfer funds in the amount of \$3,999.96 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Barbara Minshew, (non-tenure) Assistant Professor, effective March 1, 1972, from an annual salary rate of \$16,000 payable as follows: \$8,000 from Surgery budget and \$8,000 from USPHS 5 PO1 GM 14892, to \$16,000 from Surgery budget. (RBC No. 226)

63. Transfer funds in the amount of \$2,499.96 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of James L. Nelson, (non-tenure), Research Instructor, effective March 1, 1972, from \$5,000 payable from USPHS 5 PO1 GM 14892, to \$5,000 payable from Surgery budget. (RBC No. 225)

64. Transfer funds in the amount of \$1,000.02 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Malcolm O. Perry (tenure), Professor, effective March 1, 1972, from an annual salary rate of \$24,000 payable as follows: \$22,000 from Surgery budget and \$2,000 from USPHS 5 PO1 GM 14892, to \$24,000 from Surgery budget. (RBC No. 224)

65. Transfer funds in the amount of \$2,650.02 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Ronald C. Jones (tenure), Associate Professor, effective March 1, 1972, from an annual salary rate of \$20,500 payable as follows: \$15,200 from Surgery budget and \$5,300 from Faculty Gifts for Surgery, to \$20,500 from Surgery budget. (RBC No. 227)

66. Transfer funds in the amount of \$5,970.48 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Robert J. Hays (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$24,941 payable as follows: \$13,000 from Surgery budget and \$11,941 from Faculty Gifts for Surgery, to \$24,941 from Surgery budget. (RBC No. 230)

67. Transfer funds in the amount of \$5,970.48 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of William Curreri (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$24,941 payable as follows: \$13,000 from USPHS 5 EO3 PE 00174 and \$11,941 from Faculty Gifts for Surgery, to \$13,000 from USPHS 5 EO3 PE 00174 and \$11,941 from Surgery budget. (RBC No. 229)

AMENDMENTS TO 1971-72 BUDGET. (continued)Surgery (continued)

68. Transfer funds in the amount of \$3,708 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Charles J. Carrico, (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$22,416 payable as follows: \$15,000 from Surgery budget and \$7,416 from Faculty Gifts for Surgery, to \$22,416 from Surgery budget. (RBC No. 228)

69. Transfer funds in the amount of \$5,215.98 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Erwin R. Thal (non-tenure), Assistant Professor, effective March 1, 1972, from an annual salary rate of \$22,582 payable as follows: \$12,150 from Surgery budget and \$10,432 from Faculty Gifts for Surgery, to \$22,582 from Surgery budget. (RBC No. 231)

70. Transfer funds in the amount of \$4,999.98 from Unallocated Faculty Salaries, account No. 207000, to Surgery Teaching Salaries, account No. 206400, and change the source of salary of Terry D. Allen (tenure), Associate Professor of Urology, effective March 1, 1972, from an annual salary rate of \$20,000 payable as follows: \$10,000 from Surgery budget and \$10,000 from Various Donors, to \$20,000 from Surgery budget. (RBC No. 252)

Medical Art and Visual Education

71. Change the status of Karen Waldo (non-tenure), effective Feb. 1, 1972 from an Assistant at annual salary rate of \$9,500 payable from Med. Art & Visual Education budget, to Instructor at an annual salary rate of \$10,000 payable from Medical Art and Visual Education budget. (RBC No. 237)

Unallocated Accounts

72. Transfer funds in the amount of \$15,000 from Unallocated Classified Salaries, account No. 207001, to Unallocated Maintenance and Operation, account No. 207005. (RBC No. 199)

Library

73. Change the status of Violet M. Baird, effective April 1, 1972, from Historical Bibliographer, at an annual salary rate of \$16,800 payable from Library budget, to Librarian Emeritus, without salary. (RBC No. 269)

74. Change the status of Maryann Duggan, for the period February 1, 1972 through March 31, 1972, from full time at an annual salary rate of \$18,600 payable as follows: \$16,740 from Southwestern Library Association and \$1,860 from USPHS 5 G04 LM 00785, to 50% time at an annual salary of \$9,300 payable as follows: \$8,370 from Southwestern Library Association and \$930 from USPHS 5 G04 LM 00785. Miss Duggan will revert to full time effective April 1, 1972. (RBC No. 164)

Instructional Communications

75. Transfer funds in the amount of \$1,455 from Unallocated Classified Salaries, account No. 207001, to Instructional Communications Classified Salaries, account No. 216201, and appoint Virginia Lee Helton, Senior Secretary, effective February 1, 1972, at an annual salary rate of \$6,780 payable from Instructional Communications budget. (RBC No. 205)

University Police

76. Transfer funds in the amount of \$600 from Unallocated Maintenance and Operation, account No. 207005, to University Police - Travel, account No. 220506. (RBC No. 218)

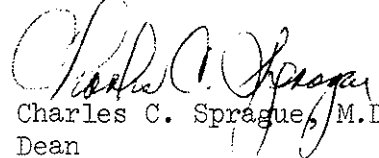
AMENDMENTS TO 1971-72 BUDGET. (continued)School of Allied Health Professions

77. Reappoint Robert E. Thomas (non-tenure), Adjunct Assistant Professor, approximately 47%, for the period February 1, 1972 through June 30, 1972, at an annual salary of \$7,500 payable as follows: \$7,080 from NIH 44-P-30148/6-01 and \$420 from NIH 44-P-30137/6-01. (RBC No. 209)

Student Health Service

78. Transfer funds in the amount of \$1,270 from Interest on Current Restricted Funds Time Deposits, account No. 745405 to Renovation of Student Health Services, account No. 748705. (RBC No. 274)

Respectfully submitted,


Charles C. Sprague, M.D.
Dean

Do we have a
Russ Chair?

THE UNIVERSITY OF TEXAS
MEDICAL SCHOOL AT SAN ANTONIO

March 28, 1972

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

Dear Dr. LeMaistre:

The following docket for The University of Texas Medical School at San Antonio is submitted for your approval and presentation to the Board of Regents at its next meeting in Austin on April 29, 1972:

GIFTS: Acceptance is recommended for the following gift which has been received by The University of Texas Medical School at San Antonio:

<u>Donor</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. Mr. Semp Russ Milam Building San Antonio, Texas 78205	Contribution towards the endowment fund established for the Witten B. Russ Chair in Surgery	440 shares of stock of the Niagara Mohawk Power Corporation (Value \$7,226.69) and 200 shares of Conill Corp. stock (Value \$7,533.72) Cash -\$10,000

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

National Tuberculosis and Respiratory Disease Association

1. Research Grant

Characterization of the Pattern and Magnitude of the Total Cellular and Antibody Immune Response in the Respiratory Tract Following Initial Challenge with Viral and Mycobacterial Antigens

Dr. Jerry J. Eller
July 1, 1972 - June 30, 1973
\$12,000

The Robert A. Welch Foundation

2. Research Grant AQ-366

Studies on the Metabolism of Trehalose, Implications for Metabolic Control

Dr. Alan D. Elbein
May 1, 1972 - April 30, 1973
\$12,000

CONTRACTS AND GRANTS (Federal): Approval is requested for the following:

Department of Health, Education and Welfare

National Institute of Arthritis and Metabolic Diseases

1. Research Grant 1 R01 AM15917-01

Hemoglobin Production During Animal Development

Dr. John C. Lee
January 1, 1972 - December 31, 1972
\$13,596

National Cancer Institute

2. Research Grant 5 R10 CA12275-02
Central Oncology Group
Dr. J. Bradley Aust
February 1, 1972 - January 31, 1973
\$19,806
 3. Contract NIH-NCI-E-72-3210
Development of IN VITRO Methods for the Detection of Cell-Mediated Immunologic Reactivity to Chemical Carcinogens
Dr. Daniel E. Thor
February 16, 1972 - February 15, 1973.
\$84,583
 4. Training Grant 2 T12-CA08069-06
Clinical Cancer Training
Dr. J. Bradley Aust
July 1, 1972 - June 30, 1973
\$59,191
- Change in Grant Previously Approved:
5. Training Grant 5 T12 CA08069-05
Dr. J. Bradley Aust
Extension of time until June 30, 1973
No additional funds

National Institute of Child Health and Human Development

6. Development Award - Research Career Program 5 KO4 HD47279-02
Mechanisms Regulating Tubal Transport of Ova
Dr. Carl J. Pauerstein
March 1, 1972 - February 28, 1973
\$25,000

National Heart and Lung Institute

7. Research Grant 2 R01 HL12415-04
Evaluation of Left Ventricular Function
Dr. Vernon S. Bishop
February 1, 1972 - January 31, 1973
\$33,239

Social and Rehabilitation Services

- Change in Grant Previously Approved:
8. Training Grant 44-P-30145/6-01
Undergraduate Traineeships in Rehabilitation Medicine
Dr. Arthur E. Grant
Extension of time to September 30, 1972
Additional funds of \$3,900

The National Urban Coalition

Health Manpower Development Program

9. CAP 30020 (9875-B/1)
Health Careers Opportunity Program
Dr. Fred M. Taylor
January 27, 1972 - January 26, 1973
\$60,000

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

Bexar County Hospital District

Change in Contract Previously Approved:

1. Change the amount of BCHD Contract #6 ending December 31, 1972 from \$349,250.00 to \$532,523.66.

Texas State Department of Health

2. Interagency Contract (72-73)-417
Reimbursement for Professional Services
February 24, 1972 - January 31, 1973
\$31,632

City of San Antonio

3. Alcohol Safety Action Program
January 1, 1972 - December 31, 1974
\$100,000
(Subcontract to Contract DOT HS-049-1-065 between the City of San Antonio and the U.S. Department of Transportation proposed December 29, 1971.)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET:Office of Academic Development

1. Increase the annual salary rate of Dr. Carlos Pestana, Associate Dean for Academic Development (50% time) from \$19,500 to \$21,000 effective March 1, 1972. Funds needed for this change to come from Unallocated Administrative and Professional Salaries. Dr. Pestana is also paid as Associate Professor (tenure), 50% time, from the Department of Surgery. (RBC 152)

Personnel Clinic

2. Increase the annual salary rate of Dr. David J. Kudzma, Director, Personnel Clinic (50% time), from \$18,000 to \$19,500 effective April 1, 1972. Funds needed for this increase to come from Unallocated Administrative and Professional Salaries. Dr. Kudzma is also paid as Assistant Professor (non-tenure) (50% time) from the Department of Medicine. (RBC 164)

Anesthesiology

3. Accept the resignation of Dr. Barry F. Bass (non-tenure), Assistant Professor at an annual salary rate of \$17,500, effective at the close of business March 31, 1972. Transfer unused Teaching Salaries in the amount of \$7,291.65 to Unallocated Faculty Salaries. (RBC 140)

Medicine

4. Appoint Dr. Stephen F. Hoffman (non-tenure) as Assistant Professor at an annual salary rate of \$20,000 effective August 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 150)
5. Increase the annual salary rate of Dr. Everard J. Siller (non-tenure), Assistant Professor, from \$18,000 to \$19,500 effective March 1, 1972. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 153)
6. Appoint Dr. James S. Loftis (non-tenure) as Associate Professor at an annual salary rate of \$25,400 effective March 13, 1972. Funds needed for this appointment to come from OEO Grant 6810 B/O. (RBC 163)

7. Increase the annual salary rate of Dr. David J. Kudzma (non-tenure), Assistant Professor (50% time) from \$18,000 to 19,500 effective April 1, 1972. Funds needed for this increase to come from Unallocated Faculty Salaries. Dr. Kudzma is also paid as Director, Personnel Clinic (50% time). (RBC 165)

8. Increase the annual salary rate of Dr. Michael S. Gold (non-tenure), Assistant Professor, from \$18,000 to \$19,500 effective April 1, 1972. Funds needed for this increase to come from Unallocated Faculty Salaries. (RBC 166)

Obstetrics-Gynecology

9. Reappoint Dr. Carl J. Pauerstein (tenure) as Associate Professor at an annual salary rate of \$25,000 effective March 1, 1972. Funds needed for this reappointment to come from DHEW Grant 5 KO4 HD47279-02. (RBC 146)

10. Appoint Dr. Robert W. Huff (non-tenure) as Instructor at an annual salary rate of \$18,000 effective July 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 148)

11. Appoint Dr. Jack A. Goff (non-tenure) as Instructor at an annual salary rate of \$18,000 effective July 1, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 149)

12. Appoint Dr. Marshall L. Houston (non-tenure) as Assistant Professor (without salary) effective March 1, 1972. Dr. Houston also serves as Assistant Professor (without salary) in the Department of Anatomy. Dr. Houston is paid from the San Antonio Dental School. (RBC 161)

Pathology

13. Reappoint Miss Elizabeth Ludolph (non-tenure) as Instructor at an annual salary rate of \$10,500 effective February 1, 1972 through March 31, 1972. Funds needed for this appointment to come from Cytopathology Laboratory, (RBC 142)

14. Change the status of Dr. Phyllenore A. Howard from Instructor (non-tenure) at an annual salary rate of \$14,500 to Assistant Professor (non-tenure) effective February 9, 1972. Annual salary rate remains unchanged. Dr. Howard is paid from BCHD Contract #6. (RBC 145)

Psychiatry

15. Appoint Dr. Harry A. Wilmer (non-tenure) as Clinical Professor, 25% time, at an annual salary rate of \$28,000 effective February 1, 1972 through June 30, 1972. Funds needed for this appointment to come from DHEW Grant 5 TO1 MH11891-03. (RBC 144)

16. Appoint Dr. John W. Worsham, Jr. (non-tenure) as Assistant Professor (Psychology) -- 50% time -- at an annual salary rate of \$18,000 effective February 1, 1972. Funds needed for this appointment to come from Alcohol Safety Action Program Contract - City of San Antonio. (RBC 155)

17. Change the status of Miss Margaret S. Keir (non-tenure), Instructor (part-time) at a salary of \$6,000 for 12 months (BCHD Contract #6) to Instructor (part-time) at a salary of \$9,000 for 12 months (\$6,000 from BCHD Contract #6 and \$3,000 from DHEW Grant 5 TO2 MH11661-03), effective February 1, 1972. No change in annual salary rate of \$10,500. (RBC 162)

Surgery

18. Increase the annual salary rate of Dr. Carlos Pestana (tenure), Associate Professor (50% time) from \$19,500 to \$21,000 effective March 1, 1972. Funds needed for this change to come from Unallocated Faculty Salaries. Dr. Pestana is also paid as Associate Dean for Academic Development (50% time), from the Office of Academic Development. (RBC 151)

Medical Communications

19. Increase the annual salary rate of Miss Elizabeth A. Montgomery (non-tenure), Instructor, From \$9,600 to \$10,600 effective March 1, 1972. Funds needed for this increase to come from Unallocated Administrative and Professional Salaries. (RBC 156)

Library

20. Appoint Miss Jacqueline R. Raquet (non-tenure) as Assistant Instructor of Medical Bibliography and Assistant Reference Librarian at an annual salary rate of \$8,500 effective February 7, 1972. Additional funds needed for this appointment in the amount of \$4,186.78 to be transferred from Classified Salaries to Administrative and Professional Salaries; \$624.98 of the funds required are currently available. (RBC 141)

Physical Plant (General Services)

21. Change the status of Mr. Benny R. Clements (non-tenure) from Safety Engineer at an annual salary rate of \$9,600, Institutional Safety Program Department to Assistant to the Director of Physical Plant at an annual salary rate of \$10,500, Physical Plant (General Services). Funds needed for this change to be transferred to Physical Plant (General Services), Administrative and Professional Salaries from Unallocated Administrative and Professional Salaries (\$450) and Institutional Safety Program Department, Classified Salaries (\$4,800). (RBC 147)

TRANSFER OF FUNDS:

1. Amount of Transfer: \$6,200.00

To:	Office of the Purchasing Agent, Maintenance & Operation	\$5,000.00
	Office of the Personnel Director, Maintenance & Operation	1,000.00
	Office of the Personnel Director, Travel	200.00
From:	Office of the Purchasing Agent, Classified Salaries	\$ 692.18
	Office of the Personnel Director, Classified Salaries	182.07
	Office of the Business Manager, Wages	609.48
	Central Receiving, General Stores & Inventory, Classified Salaries	1,013.28
	Mail Service, Classified Salaries	827.79
	Personnel Clinic, Classified Salaries	2,875.20
For:	To provide these departments with the necessary funds required to meet their operational requirements. (RBC 139)	

2. Amount of Transfer: \$2,450.00

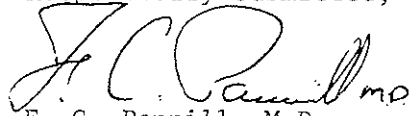
To:	Animal Care Services, Salaries	
From:	Volume Variance - Unallocated	
For:	To provide the salary funds necessary for the temporary employment of additional technical assistance. (RBC 143)	

3. Amount of Transfer: \$3,150.00

To:	Office of Academic Development, Maintenance and Operation	
From:	Unallocated Maintenance and Operation	
For:	To provide the funds necessary to enable this department to meet its operational requirements. (RBC 154)	

4. Amount of Transfer: \$3,390.00
 To: Office of the Purchasing Agent,
 Classified Salaries
 From: Central Receiving, General Stores,
 and Inventory, Classified Salaries
 For: To provide the salary funds necessary
 for a classified position being trans-
 ferred to Office of the Purchasing
 Agent. (RBC 157)
5. Amount of Transfer: \$3,666.16
 To: Central Receiving, General Stores,
 and Inventory, Classified Salaries \$1,123.25
 Physical Plant (General Services),
 Classified Salaries 2,542.91
 From: Unallocated Classified Salaries \$3,666.16
 For: To provide the salary funds necessary
 for the performance of required clerical
 assistance in these departments. (RBC 158)

Respectfully submitted,


 F. C. Pannill, M.D.
 Dean

THE UNIVERSITY OF TEXAS
DENTAL SCHOOL AT SAN ANTONIO

March 28, 1972

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

Dear Dr. LeMaistre:

The following docket for The University of Texas Dental School at San Antonio is submitted for your approval and presentation to the Board of Regents at its next meeting in Austin on April 29, 1972:

RECOMMENDED AMMENDMENTS TO 1971-72 BUDGET:

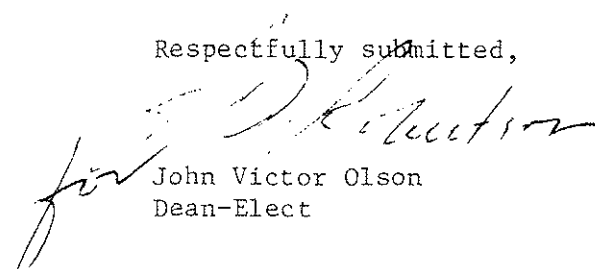
Orthodontics

1. Appoint Dr. Dan C. Peavy, Jr. (non-tenure) as Assistant Professor (10% time) at an annual salary rate of \$20,000 effective February 7, 1972. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 9)

TRANSFER OF FUNDS:

1. Amount of Transfer: \$6,000.00
To: Medical Communications, Maintenance and Operation
From: Medical Communications, Classified Salaries
For: To provide the funds necessary to enable this department to meet its operational requirements. (RBC 4)

Respectfully submitted,



John Victor Olson
Dean-Elect

JVO:er

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

GALVESTON, TEXAS

March 31, 1972

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

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Austin, Texas, on April 29, 1972:

CHANGE OF STAFF STATUS OF MEMBERSHIPS ON THE MEDICAL STAFF OF THE UNIVERSITY OF TEXAS MEDICAL BRANCH HOSPITALS AT GALVESTON: On the recommendation of the Executive Committee of the Medical Staff, approval is respectfully requested for a change of the staff status of the following memberships on the Medical Staff: X

1. Change the staff status of Martin P. Rappaport, M.D., from Associate Membership to Courtesy Membership, effective February 1, 1972.
2. Change the staff status of Leo J. Castigioni, M.D., from Associate Membership to Courtesy Membership, effective February 1, 1972.
3. Change the staff status of Barry A. Portnoy, M.D., from Associate Membership to Courtesy Membership, effective February 1, 1972.
4. Change the staff status of Ewell G. Scott, M.D., from Associate Membership to Courtesy Membership, effective February 1, 1972.
5. Change the staff status of Oliver C. Hunter, M.D., from Associate Membership to Courtesy Membership, effective February 1, 1972.
6. Change the staff status of Stephan E. Ritzmann, M.D., from Associate Membership to Consulting Membership, effective February 1, 1972.
7. Change the staff status of Gordon C. Mills, M.D., from Associate Membership to Consulting Membership, effective February 1, 1972.
8. Change the staff status of Ernest S. Barratt, M.D., from Associate Membership to Consulting Membership.
9. Change the staff status of Charles Gaston, M.D., from Associate Membership to Consulting Membership.
10. Change the staff status of Vernon K. Jenkins, M.D., from Associate Membership to Consulting Membership.
11. Change the staff status of Harold Goolishian, Ph.D., from Associate Membership to Consulting Membership.
12. Change the staff status of Miss Agnes Ritchie from Associate Membership to Consulting Membership.
13. Resign Walter Reid, M.D., as an Associate Member of the Medical Staff, effective December 1, 1971. Dr. Reid has resigned his position in the Department of Neurology and Psychiatry.

14. Change the staff status of Robert R. Perry, M.D., from Associate Membership to Consulting Membership.
15. Resign Charles K. Hendrick, M.D., from Associate Membership (Part-Time) on the Medical Staff.
16. Resign William A. Walker, M.D., from Associate Membership (Part-Time) on the Medical Staff.
17. Resign Elmer Heimbigner, M.D., from Courtesy Membership (Part-time) on the Medical Staff.
18. Change the staff status of Bill S. Caldwell, Ph.D., from Associate Membership to Consulting Membership.
19. Change the staff status of Donald A. Rappoport, Ph.D., from Associate Membership to Consulting Membership.
20. Change the staff status of Rose G. Schneider, Ph.D., from Associate Membership to Consulting Membership.
21. Change the staff status of Lennart L. Kopra, Ph.D., from Associate Membership to Consulting Membership.
22. Resign Marjorie Forman, M.D., Associate Membership on the Medical Staff. Dr. Forman is on a Leave of Absence.
23. Change the staff status of William S. Hughes, M.D., from Associate Membership to Active Membership on the Medical Staff. Dr. Hughes has received his license to practice medicine in the State of Texas.
24. Change the staff status of Edward Regis McFadden, M.D., from Associate Membership to Active Membership. Dr. McFadden has received his license to practice medicine in the State of Texas.
25. Change the staff status of Herman A. Barnett, M.D., from Associate Membership to Courtesy Membership.
26. Change the staff status of Nathan Cedars, M.D., from Associate Membership to Courtesy Membership.
27. Change the staff status of Robert L. Edwards, M.D., from Associate Membership to Courtesy Membership.
28. Change the staff status of John R. McKenna, M.D., from Associate Membership to Courtesy Membership.
29. Change the staff status of Benjamin J. Nasits, D.D.S., from Associate Membership to Courtesy Membership.
30. Change the staff status of Edward A. Blackburn, Jr., M.D., from Associate Membership to Courtesy Membership.
31. Change the staff status of Edward Lynn Heartfield, M.D., from Associate Membership to Courtesy Membership.
32. Resign Robert V. Bucklin, M.D., from Active Membership as he has resigned his position with the Department of Pathology.
33. Resign John L. Spikes, Ph.D., from Associate Membership as he has resigned his position with the Department of Pathology.
34. Resign Kurt Weiss, M.D., from Active Membership. He has resigned his position with the Department of Pathology.

MEMBERSHIP IN THE GRADUATE FACULTY: In compliance with Part I, Chapter V-B, Section 7.11 of the Rules and Regulations of the Board of Regents, approval is requested for the following named faculty member, who has been certified by the appropriate Committee on Graduate Studies, approved by the Executive Committee of the Graduate Faculty, the Chancellor, the Vice-Chancellor for Health Affairs, and the President, for membership in the Graduate Faculty at The University of Texas Medical Branch at Galveston:

Norman M. Trieff, Ph.D.
Associate Professor
Department of Preventive Medicine and
Community Health

EMPLOYMENT OF MR. SEVERN M. FREY, OVER AGE SIXTY FIVE: Upon the recommendation of President Blocker, concurred in by Deputy Chancellor Walker and System Personnel Director Kennedy, approval is requested for the waiver of Section 31.(17), Chapter III, Regents' Rules and Regulations, Part One, to permit the part-time employment of Mr. Severn M. Frey as Research Associate (approximately 20 hours per week) in the Department of Pediatrics. Although Mr. Frey is 72 years of age, he is in excellent health and is a highly qualified individual with analytical expertise. He will be working on a project entitled Studies on the Control of Collagen Accumulation in Hypertrophic Scars. His time will be spent on the extraction and assay of tropocollagen, procollagen, and collagen, and the determination of hydroxproline. He will also be required to make radioactive assays of these fractions.

AMENDMENTS TO THE BY-LAWS OF THE FACULTY OF THE SCHOOL OF ALLIED HEALTH SCIENCES: Upon the recommendation of the Faculty, the Chairman of the By-Laws Committee, Dean of the School of Allied Health Sciences, Vice President for Academic Affairs and Dean of Medicine, and approved by all appropriate members of System Administration, approval of the following Amendments to the By-Laws of the Faculty of the School of Allied Health Sciences as set out on Pages G-4 through G-9 is respectfully requested.

AMENDMENTS TO THE BY-LAWS
of the
Faculty of Allied Health Sciences
of the
School of Allied Health Sciences

The University of Texas Medical Branch
Galveston
January, 1972

(1) Amend Article I, Section 4, Administrative Affairs by re-deisignating Article I, Section 4 as Article I, Section 5, with all subsequent sections under Article I numbered accordingly, Article I, Section 4 will then read:

Article I Name, Object, Purpose

Section 4. Continuing Education - The Faculty of Allied Health Sciences shall plan and engage in continuing education activities to encourage and nurture professional competencies.

(2) Amend Article II, Section 1, Full Members to read:

Article II Membership

Section 1. Full Members - All persons who shall have been duly appointed to any rank in the School of Allied Health Sciences and are full-time employees of the University of Texas Medical Branch, and who shall have duly accepted a faculty appointment in a Department of the School of Allied Health Sciences at the University of Texas Medical Branch at Galveston, shall be full members of the Faculty of Allied Health Sciences; provided that the provisions of Section 4 of this Article shall have been complied with. The Chancellor of the University of Texas System, [THE DEPUTY CHANCELLOR OF THE UNIVERSITY OF TEXAS SYSTEM,] the President of the University of Texas Medical Branch, and the Dean of Allied Health Sciences shall be full members of the Faculty of Allied Health Sciences, ex officio, and shall have all privileges and responsibilities of full members including the right to vote upon the business of the Faculty of Allied Health Sciences.

(3) Amend Article II, Section 2, Associate Members to read:

Article II Membership

Section 2. Associate Members - All other persons who have been appointed to the Faculty who are not employed by the School of Allied Health Sciences of the University of Texas Medical Branch, and who shall have duly accepted such a position in the School of Allied Health Sciences at the University of Texas Medical Branch at Galveston, shall be associate members of the faculty of Allied Health Sciences, provided that the provisions of Section 4 of this article have been complied with.

(4) Amend Article III, Section 2, Dean of Allied Health Sciences by dividing Section 2 into Subsection A. and B. to read:

Article III The Administration of the School of Allied Health Sciences

Section 2. Dean of Allied Health Sciences

A. The Dean of Allied Health Sciences shall be the Chairman of the Faculty of Allied Health Sciences and its Chief Executive. A recommendation for the appointment of a Dean of Allied Health Sciences shall be made by the President of the University of Texas Medical Branch upon the advice of a Special Committee of the Faculty of Allied Health Sciences, convened for this purpose. The Dean of Allied Health Sciences may appoint a temporary Chairman of the Faculty of Allied Health Sciences, to serve during his absence and, in case of emergency, the President of the University of Texas Medical Branch shall appoint a Chairman. The Dean of Allied Health Sciences shall be, ex officio, a member of all standing and special committees, without vote, unless otherwise provided for in these By-Laws.

B. The Dean of Allied Health Sciences shall have in his Administrative Office whatever associates are necessary to carry out his responsibilities. These may include such associates or assistants as are approved by the Executive Committee of the School of Allied Health Sciences, the President of the University of Texas Medical Branch, the Chancellor of the University of Texas System, [THE DEPUTY CHANCELLOR OF THE UNIVERSITY OF TEXAS SYSTEM,] and the Board of Regents of the University of Texas System. Such administrative associates and assistants may represent without vote the Dean of Allied Health Sciences on all standing and special committees.

(5) Amend Article IV, Section 1. D. Committees of the Faculty, General, to read:

Article IV Committees of the Faculty

Section 1. General

D. No member of the Faculty shall serve on more than three standing committees which are:

Executive Committee of the School of Allied Health Sciences
Student Affairs Committee

Admissions Committee

Curricula Committee

Continuing Education Committee

Core Curriculum Committee

or others created in Article IV Section [7] 8.

(6) Amend Article IV, Section 2, Committees of the Faculty, Executive Committee of the School of Allied Health Sciences by creating Sub-section D. to be inserted after Sub-section C. to read:

Article IV Committees of the Faculty

Section 2. Executive Committee of the School of Allied Health Sciences

D. Any Assistant and/or Associate of the Dean of Allied Health Sciences may, upon recommendation of the Dean and approval of the Executive Committee, be invited to attend meetings of the Executive Committee, for the purpose of acting as a resource person to the Executive Committee or receiving communication from the Executive Committee. Except as otherwise provided in these By-Laws, an Assistant and/or Associate of the Dean of Allied Health Sciences invited to attend any meeting of the Executive Committee, may have the right to speak but may not make motions or vote upon matters coming before the Executive Committee.

(7) Amend Article IV, Section 7. Committees of the Faculty, Other Standing Committees by redesignating Article IV, Section 7. as Article IV Section 8., with all subsequent sections under Article IV numbered accordingly. Article IV Section 7. will then read:

Article IV. Committees of the Faculty

Section 7. Core Curriculum Committee

A. The Core Curriculum Committee, composed of the Chairman or his designated representative, of each Department which utilizes one or more courses in the core curriculum, shall consider, plan and recommend to the Faculty of Allied Health Sciences on all matters having to do with content and sequence of subject matter in the core curriculum courses except that no curriculum changes may occur upon action of the Faculty without prior approval of the Executive Committee of the School of Allied Health Sciences.

B. The Chairman of the Core Curriculum Committee shall be the Coordinator - Allied Health Sciences Core Curriculum and Shall be appointed by the Dean of Allied Health Sciences.

(8) Amend Article V, Section 1. Meetings, Rules and Procedures, Regular Meetings to read:

Article V. Meetings, Rules and Procedures

Section 1. Regular Meetings -- The Faculty of Allied Health Sciences shall meet in regular session [FOUR] three times each year upon the second Thursday in [SEPTEMBER,] December, April, and August at 3:30 P.M., at a place designated in the Call of the Meeting in order to conduct the regular business of the Faculty of Allied Health Sciences. A call of a regular meeting together with a tentative agenda shall be sent to each full member of the Faculty of Allied Health Sciences prior to the date of each meeting by the Secretary of the Faculty of Allied Health Sciences. Postponement of a regular meeting shall require written notice in advance of the date and time of the meeting to be postponed.

(9) Amend Article V, Section 3., Meetings, Rules and Procedures, Rules of Order to read:

Article V Meetings, Rules and Procedures

Section 3. Rules of Order - All regular and special meetings of the Faculty of Allied Health Sciences shall be conducted in accordance with Roberts' Rules of Order, newly revised, except as otherwise provided for in these By-Laws. The Dean of Allied Health Sciences, or in his absence, a full member of the Faculty of Allied Health Sciences designated by him, shall preside.

(10) Amend Article V, Section 5., Meetings, Rules and Procedures, Minutes to read:

Article V Meetings, Rules and Procedures

Section 5. Minutes -- Minutes of each meeting shall be published and distributed to the full members of the Faculty of Allied Health Sciences [BY THE SECRETARY OF THE FACULTY,] and upon request of the Departmental Chairmen or Dean of Allied Health Sciences may be distributed to associate members. Publication and distribution of the minutes shall be done by the secretary of the faculty.

ENDORSEMENTS

1. Approved by the Faculty of the
School of Allied Health Sciences:

August 19, 1971
Date

Lawrence D. Dwyer

Dean
School of Allied Health Sciences

2. Recommend Approval

1-26-72
Date

Joseph M. White

Vice President for Academic
Affairs and Dean of Medicine

3. Recommend Approval

1-27-72
Date

J. B. Bledsoe

President of the University of
Texas Medical Branch

4. Recommend Approval

2-2-72
Date

Charles A. LeMaistre

Chancellor of the University of
Texas System

5. Recommend Approval

Date

Chairman of the Board of Regents
University of Texas System

D X R

GIFTS: In compliance with Section 1, Subsection 1.3, of Chapter I of Part Two of the Rules and Regulations of the Board of Regents for the Government of The University of Texas System, I recommend approval for the acceptance of the following gifts:

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. *Medical Branch Hospital Auxiliary c/o Mrs. Janet Welford, President 1109 Harbor View Drive Galveston, Texas	Funds to be used for Hospital Needs. Funds deposited in the existing Current Restricted Account entitled University Auxiliary Funds for Hospital Needs. (This is reported as an extension of a previous gift, previously docketed, Board of Regents' Minutes of April 23, 1971, Docket Item #9, Page G-3).	\$5,366.00
2. The Vaughn Foundation c/o Trust Department The Citizens National Bank of Waco P. O. Box 829 Waco, Texas	Funds deposited in the existing Current Restricted Account entitled Advisory Development Council and are to be used for the advancement of the development programs. Expenditures to be authorized by Miss Patricia J. Pomeroy, Assistant to the President.	\$5,000.00

*No letter of transmittal received from the donor.

GRANTS (NONGOVERNMENTAL): 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. Eaton Laboratories Division of the Norwich Pharmaceutical Company Norwich, New York	For the establishment of an Eaton Plastic Surgery Resident Fellowship for the period January 1, 1972 through December 31, 1972.	\$ 1,200.00
2. Nuclear Battery Corporation P. O. Box 810 Columbia, Maryland	Experiment to perform acute implantation of two Intracranial Pressure Sensors (ICPS) in dogs (one in each). The project is directed by Dr. Glenn Meyer, Associate Professor, Department of Surgery.	\$ 1,714.00
3. *G. D. Searle & Co. Box 5110 Chicago, Illinois	To study the effect of long term administration of an anti-pepsin agent, propantheline and their combination for the prevention of recurrences in patients with duodenal ulcer, utilizing a "double-blind" study; directed by Dr. Marcell Patterson, Professor of Internal Medicine.	\$ 6,600.00

*No letter of transmittal received from the donor.

GRANTS (NONGOVERNMENTAL) - continued

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
4. United Cerebral Palsy Research and Educational Foundation, Inc. 66 East 34th Street New York, N. Y.	Grant No. CF-92-72C for a Clinical Fellowship in Pediatrics for a period of one year commencing July 1, 1972; directed by Dr. Douglas M. Daniels, Assistant Profes- sor, Department of Pediatrics.	\$10,000.00
5. The Robert A. Welch Foundation 2010 Bank of the Southwest Building Houston, Texas	Transferred Grant No. H-520 for research on Geochemical Studies of Thorium and Uranium, for the period December 22, 1971 through April 30, 1973; directed by Dr. A. D. Suttle, Jr., Assistant to the Director for Physical Sciences, Marine Biomedical Institute.	\$59,804.24
6. The Robert A. Welch Foundation 2010 Bank of the Southwest Building Houston, Texas	Renewal Grant No. H-380 for research on The Subclasses of Human Immunoglobulin M, for the period May 1, 1972 through April 30, 1973; directed by Dr. James P. Chen, Assistant Professor, Department of Human Bio- logical Chemistry and Genetics.	\$12,000.00
7. The Robert A. Welch Foundation 2010 Bank of the Southwest Building Houston, Texas	Renewal Grant No. H-168 for research on Oxidative Metabolism of Steroids for the period May 1, 1972 through April 30, 1973; directed by Dr. Leland L. Smith, Professor, Depart- ment of Human Biological Chemistry and Genetics.	\$12,000.00
8. The Robert A. Welch Foundation 2010 Bank of the Southwest Building Houston, Texas	Grant No. H-504 for reserch on Characterization of a New L-glutamic Acid Decarboxylase - A Novel System of Enzymatic Catalysis, for the period May 1, 1972 through April 30, 1974; directed by Dr. Bernard Haber, Assistant Professor, The Marine Biomedical Institute.	\$24,000.00

GRANTS (NONGOVERNMENTAL) - continued

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
9. The Robert A. Welch Foundation 2010 Bank of the Southwest Building Houston, Texas	Renewal Grant No. H-378 for research on Biochemical Characterization of the Haptoglobin B Chain, for the period May 1, 1972 through April 30, 1973; directed by Dr. Barbara H. Bowman, I. H. Kempner Professor and Chairman, Department of Human Biological Chemistry and Genetics.	\$12,000.00
10. The Robert A. Welch Foundation 2010 Bank of the Southwest Building Houston, Texas	Renewal Grant No. H-416 for research on Chemistry of Dinoflagellate Toxins, for the period May 1, 1972 through April 30, 1973; directed by Dr. Norman M. Trieff, Associate Professor, Department of Preventive Medicine and Community Health.	\$12,000.00

CONTRACTS AND GRANTS (FEDERAL): The following contracts and grants have been signed by the appropriate official upon the recommendation of the respective technical directors, fiscal officer, and the Director of the Office of Sponsored Research. I recommend approval and ratification of signatures:

1. Contract No. HSM-99-72-12, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$12,873.00, for the period February 4, 1972, to February 1, 1973, for support of a Symposium on Occupational Osteonecrosis in Divers and publishing fifteen (15) copies of a hard-back book of the proceedings of the symposium. The project is directed by Dr. Edward L. Beckman, Chief, Marine Medicine Division, The Marine Biomedical Institute.

2. Modification No. 4 to Contract No. NIH-69-831, by which the Department of Health, Education, and Welfare, Public Health Service, extends the expiration date of the contract to April 30, 1973, without additional funds, and amends Item 2(a), Paragraph B, Article III, of the contract to read: "Honoraria, at the rate of \$100.00 per day, excluding the Project Director." The project on Conferences Concerning Cholera Toxin continues under the direction of Dr. W. F. Verwey, Professor and Chairman, Department of Microbiology.

3. Letter, dated February 16, 1972, by which the Department of Health, Education, and Welfare, Public Health Service, extends the current budget period of Grant No. AI 09166-03 to May 31, 1973, without additional funds. The total project period will now be June 1, 1969 through May 31, 1973. The research on Life Cycle Studies on a Toxoplasma-Like Avian Parasite is directed by Dr. Edith D. Box, Associate Professor, Department of Microbiology.

CONTRACTS AND GRANTS (FEDERAL) - continued

4. Grant No. 5 R01 AML2745-05, by which the Department of Health, Education, and Welfare, Public Health Service, provides \$22,889.00 plus indirect costs, for the period January 1, 1972 through December 31, 1972, for research on Effect of Parathyroid Hormone on Bone. The project is directed by Dr. Wm. P. Deiss, Jr., Professor and Chairman, Department of Internal Medicine.
5. Grant No. 44-P-30066/6-10, by which the Department of Health, Education, and Welfare, Social and Rehabilitation Service, provides a supplemental award of \$16,295.00, for the period September 1, 1971 through August 31, 1972, for a Teaching Grant and Traineeships in Physical Therapy. The project is directed by Miss Jeanne Schenck, Chairman, Department of Physical Therapy, School of Allied Health Sciences.
6. Modification No. E to contract No. N00014-66-C-0208-A02, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, establishes the negotiated overhead rate for the period September 1, 1969 through January 31, 1971, at 53% of the salaries and wages reimbursed under Clause 2(h)(3) of the contract. The contract expired January 31, 1971.
7. Modification No. P00005 to Contract No. N00014-68-A-0105 (Basic Navy Contract), by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides that overhead negotiated rates shall be set forth in a modification to this basic contract rather than in modifications to each individual Task Order, and also establishes the overhead rate for the period September 1, 1969 through August 31, 1972, at 53% of direct salaries and wages including vacation, holiday and sick pay, but excluding other fringe benefits, on Campus and 25% Off Campus.
8. Modification No. 08 to Contract No. N00014-68-A-0105-0001, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides that the overhead under this Task Order shall be reimbursed at the rates set forth in Clause 2 of the Basic Contract No. N00014-68-A-0105. (See Item No. 7 above)
9. Modification No. 14 to Contract No. N00014-68-A-0105-0002, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides that the overhead rates under this Task Order shall be reimbursed at the rates set forth in Clause 2 of the Basic Contract No. N00014-68-A-0105. (See Item No. 7 above)

CONTRACTS AND AGREEMENTS (OTHER):

1. Notice of Approval Amendment, dated February 24, 1972, State Project Number 02-1102SS, by which the Texas Education Agency, Austin, Texas, provides \$16,490.00 (State and Federal Assistance), for the fiscal year beginning July 1, 1971 and ending June 30, 1972, for Improving Educational Opportunities for Multiple Handicapped Children at the Moody State School for Cerebral Palsied Children. The project is directed by Mr. Clyde A. Damewood, Business Manager, Moody State School for Cerebral Palsied Children.

RECOMMENDED AMENDMENTS TO 1971-72 BUDGETGeneral AdministrationOffice of the President

1. Accept the resignation of Mr. Nicholas K. Kralj, Assistant to the President at a salary rate of \$19,500 for 12 months, effective January 31, 1972. (RBC 463)

Office of Patient Finance

2. Accept the resignation of Mr. Lester G. Furry, Director of Patient Finance, Ambulatory Service, and Admitting, part-time, at a salary of \$9,750 for 12 months, effective January 31, 1972. (RBC 453)

3. Appoint Mr. Henry P. Chauvin, Jr., as Director of Patient Finance, one-half time, at a salary of \$7,800 for 12 months, effective February 1, 1972. Funds needed are to come from the departmental non-teaching salaries budget. Mr. Chauvin also serves as Director of Patient Finance, one-half time, at a salary of \$7,800 for 12 months in the Office of the Vice President for Hospital Services. Total salary for 12 months, \$15,600. (RBC 459)

General Institutional ExpenseDevelopment Office

4. Accept the resignation of Mr. Charles W. Chadwick, Assistant to the President for Development at a salary rate of \$20,500 for 12 months, effective February 29, 1972. (RBC 474)

Instruction and Departmental OperationsOffice of the Vice President for AcademicAffairs and Dean of Medicine

5. Appoint Dr. Robert V. Bucklin as Visiting Professor of Jurisprudence, part-time, without salary, effective January 1, 1972. (RBC 462)

Interdisciplinary Laboratory

6. Change the source of funds only for Mr. Marshall V. Ross, Laboratory Supervisor, at a salary rate of \$14,700 for 12 months, from DHEW Grant No. 5E03-00170-06 to General Budget, effective February 1, 1972. General Budget funds needed are to come from Unallocated Appropriations - Instructional. (RBC 416)

7. Change the status of Dr. Gordon L. Johnson, Assistant Director - Interdisciplinary Laboratory, part-time, from a salary of \$1,000 for 12 months to without salary effective February 1, 1972. Dr. Johnson also serves as Assistant Professor (non-tenure) at a salary rate of \$15,000 for 12 months in the Department of Pharmacology and Toxicology. (RBC 441)

Anatomy

8. Increase the salary rate of Dr. Donald Duncan, Professor (Tenure), from \$28,000 to \$29,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 470)

Anesthesiology

9. Change the source of funds only for Dr. Joe A. Walker (Tenure), Associate Professor, at a salary rate of \$24,500 for 12 months (\$23,000 from General Budget and \$1,500 from DHEW Grant No. 5E03-PE-00170-06) to General Budget only, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 417)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedAnesthesiology

10. Change the source of funds only for Dr. Roy D. Wilson (Tenure), Professor, at a salary rate of \$24,000 for 12 months, from \$11,500 from General Budget, \$11,500 from Professional Fees - Anesthesiology, and \$1,000 from DHEW Grant No. 5 E03-PE-00170-06 to \$12,500 from General Budget and \$11,500 from Professional Fees - Anesthesiology, effective February 1, 1972. Additional General Budget funds needed are to come from Unallocated Appropriations - Instructional. (RBC 425)

11. Grant a Leave of Absence, without salary, to Dr. Cecile Khoury (non-tenure) Instructor at a salary rate of \$12,000 for 12 months, effective January 31, 1972. (RBC 451)

12. Increase the salary rate of Dr. Joe A. Walker (Tenure), Associate Professor, from \$24,500 to \$25,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 478)

Dermatology

13. Change the source of funds only for Dr. Orville J. Stone (Tenure), Associate Professor at a salary rate of \$29,100 for 12 months, from \$25,000 from General Budget, \$3,600 from MSRDP - Dermatology and \$500 from DHEW Grant No. 5 E03-PE-00170-06 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 426)

14. Increase the salary rate of Dr. Orville J. Stone, Jr., Associate Professor (Tenure) from \$29,100 to \$30,600 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 475)

Human Genetics

15. Change the source of funds only for Mr. Curtis W. Lambert, Assistant to the Chairman at a salary rate of \$14,500 for 12 months from DHEW Grant No. 5E03-PE-00170-06 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 418)

16. Change the source of funds only for Dr. James P. Chen (non-tenure), Assistant Professor, part-time, at a salary of \$1,000 for 12 months from DHEW Grant No. 5 E03-PE-00170-06 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. Dr. Chen also serves as Research Assistant Professor, without tenure, part-time, at a salary of \$16,207 for 12 months in the Department of Physiology. Total salary for 12 months, \$17,207. (RBC 427)

Internal Medicine

17. Change the source of funds for Dr. Gerald A. Beathard (non-tenure), Assistant Professor, part-time, at a salary of \$10,500 for 12 months from \$10,000 from General Budget and \$500 from DHEW Grant No. 5 E03-PE-00170-06, to \$10,500 from General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. Dr. Beathard (non-tenure) also serves as Assistant Professor, part-time, at a salary of \$10,500 for 12 months in the Department of Pathology. Total salary for 12 months, \$21,000. (RBC 428)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedInternal Medicine

18. Increase the salary of Dr. Gerald A. Beathard (non-tenure), Assistant Professor, part-time, from \$10,500 to \$11,500 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. Dr. Beathard (non-tenure) also serves as Assistant Professor, part-time, at a salary of \$10,500 for 12 months in the Department of Pathology. Total salary for 12 months, \$22,000. (RBC 468)

19. Increase the salary rate of Dr. Edward C. Larkin (non-tenure), Assistant Professor, from \$20,000 to \$21,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 487)

20. Accept the resignation of Dr. James D. Lindley (non-tenure), Instructor, part-time, at a salary of \$5,600 for 12 months, effective January 31, 1972. (RBC 506)

21. Appoint Dr. Harry B. Kelso, Jr., (non-tenure), as Clinical Instructor, part-time, without salary, effective February 1, 1972. (RBC 509)

Microbiology

22. Appoint Dr. Johnny W. Peterson (non-tenure) as Assistant Professor at a salary rate of \$14,500 for 12 months, effective February 1, 1972. Funds needed are to come from the departmental teaching salaries budget. (RBC 409)

Neurology and Psychiatry

23. Increase the salary rate of Dr. Mark L. McElhanev (non-tenure), Assistant Professor - Psychology, from \$16,000 to \$17,000 for 12 months, effective February 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 405)

24. Increase the salary rate of Dr. James R. Markette (non-tenure), Assistant Professor, from \$20,000 to \$21,000 for 12 months, effective February 1, 1972. Additional funds needed are to come from the departmental teaching salaries budget. (RBC 410)

25. Increase the salary rate of Dr. Perrie M. Adams (non-tenure), Assistant Professor, from \$15,500 (\$7,500 from General Budget and \$8,000 from 342010210-USDJ-N1-71-103G Grant) to \$17,000 for 12 months (\$9,000 from General Budget and \$8,000 from 342010210-USDJ-N1-71-103G Grant), effective February 1, 1972. Additional General Budget funds needed are to come from the departmental teaching salaries budget. (RBC 411)

26. Change the source of funds only for Dr. Gerda J. Smith (non-tenure), Instructor, at a salary rate of \$14,000 for 12 months from DHEW Grant No. 5E03-PE-00170-06 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 419)

27. Change the source of funds only for Dr. Lawrence G. Hornsby (tenure), Associate Professor and Chief, at a salary rate of \$23,000 for 12 months from \$22,000 from General Budget and \$1,000 from DHEW Grant No. 5 E03-PE-00170-06 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. Dr. Hornsby (tenure) also serves as Associate Professor and Chief, part-time, without salary, in the Department of Pediatrics.

RECOMMENDED AMENDMENTS TO 1971-72 Budget - continuedNeurology and Psychiatry

28. Change the status of Mr. Francisco Gomez-Mont from Teaching and Research Assistant at a salary rate of \$4,200 for 12 months to Research Associate at a salary rate of \$9,240 for 12 months, effective February 1, 1972. Funds needed are to come from DHEW Grant No. 5 R01-MH-14675-04. (RBC 461)

29. Change the source of funds only for Dr. Ernest S. Barratt (tenure), Research Professor - Psychology, at a salary rate of \$26,400 for 12 months (\$16,000 from DHEW Grant No. 5 T01-06527-15 and \$10,400 from DHEW Grant No. 5 E03-PE-00170-06) to \$16,000 from DHEW Grant No. 5 T01-06527-15 and \$10,400 from General Budget, effective March 1, 1972. General Budget funds needed are to come from Unallocated Appropriations - Instructional. Dr. Barratt also serves as Research Professor, part-time, without salary, in the Department of Physiology. (RBC 507)

30. Increase the salary of Dr. Charles G. Cambor (non-tenure), Clinical Associate Professor, part-time, from \$3,600 to \$6,500 for 12 months, effective March 1, 1972. Funds needed are to come from DHEW Grant No. 5T01-MH-06527-15. This change in salary is due to the increase in the hours of service from four to eight per week. (RBC 511)

Ophthalmology

31. Change the source of funds only for Dr. Gerald R. Christensen (non-tenure), Assistant Professor, at a salary rate of \$20,500 for 12 months from \$19,000 from General Budget and \$1,500 from MSRDP - Ophthalmology to General Budget only, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 449)

32. Increase the salary rate of Dr. Gerald R. Christensen (non-tenure), Assistant Professor, from \$20,500 to \$22,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 466)

Otolaryngology

33. Appoint Dr. Berner S. Chesnutt (non-tenure) as Assistant Professor at a salary rate of \$16,000 for 12 months, effective February 1, 1972. Funds needed are to come from the departmental teaching salaries budget. (RBC 452)

Pathology

34. Change the source of funds only for Dr. Ninfa Cavanos (non-tenure), Assistant Professor, at a salary rate of \$17,000 for 12 months, from \$16,000 from General Budget and \$1,000 from DHEW Grant No. 5 E03-PE-00170-06 to General Budget only, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 420)

35. Change the source of funds for Dr. Gerald A. Beathard (non-tenure), Assistant Professor, part-time, at a salary of \$10,500 for 12 months from \$10,000 from General Budget and \$500 from DHEW Grant No. 5E03-00170-06 to \$10,500 from General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. Dr. Beathard (non-tenure) also serves as Assistant Professor, part-time, at a salary of \$10,500 for 12 months in the Department of Internal Medicine. Total salary for 12 months, \$21,000. (RBC 429)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedPathology

36. Change the source of funds only for Dr. John B. Fuller (tenure), Professor, at a salary rate of \$25,500 for 12 months, from \$25,000 from General Budget and \$500 from DHEW Grant No. 5 E03-PE-00170-06 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. Dr. Fuller also serves as Assistant Medical Director, part-time, without salary, in the School of Allied Health Sciences - Medical Technology. (RBC 431)

37. Change the status of Dr. Elmer V. Dahl (non-tenure) from Associate Professor at a salary rate of \$19,000 (\$18,000 from General Budget and \$1,000 from DHEW Grant No. 5 E03-PE-00170-06) to Research Associate Professor (non-tenure) at the same salary rate of \$19,000 for 12 months from General Budget, effective February 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 438)

38. Increase the salary rate of Dr. Ninfa Cavazos (non-tenure), Assistant Professor, from \$17,000 to \$18,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 469)

39. Increase the salary of Dr. Paul Zaharopoulos (non-tenure), Assistant Professor, from \$18,500 to \$19,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 485)

Pharmacology

40. Appoint Dr. Frank E. Smith (non-tenure) as Visiting Assistant Professor, part-time, without salary, effective February 1, 1972. (RBC 413)

41. Change the source of funds only for Dr. McChesney Goodall (tenure), Professor, at a salary rate of \$25,000 for 12 months, from \$12,500 from General Budget and \$12,500 from DHEW Grant No. 5 S01-RR-05427-11 to General Budget only, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 422)

42. Change the source of funds only for Dr. Rene R. Kempen (non-tenure), Assistant Professor, at a salary rate of \$14,000 for 12 months, from \$13,500 from General Budget and \$500 from DHEW Grant No. 5 E03-PE-00170-06 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 433)

43. Change the status of Dr. Gordon L. Johnson (non-tenure), Assistant Professor, from part-time at a salary of \$14,000 for 12 months to full-time at a salary rate of \$15,000 for 12 months, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. Dr. Johnson also serves as Assistant Director, part-time, without salary, in Interdisciplinary Laboratory. (RBC 440)

44. Change the source of funds for Dr. James H. Pirch, (non-tenure), Assistant Professor, at a salary rate of \$16,000 for 12 months from \$15,500 from General Budget and \$500 from DHEW Grant No. 5 E03-PE-00170-06 to General Budget only, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 446)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedPharmacology

45. Change the source of funds only for Dr. Betty J. Williams (non-tenure), Assistant Professor, at a salary rate of \$13,500 for 12 months from \$13,000 from General Budget and \$500 from DHEW Grant No. 5 R01-PE-00170-06 to General Budget only, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 447)

46. Increase the salary rate of Dr. Joe B. Nash (tenure), Associate Professor, from \$19,000 to \$19,500 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 477)

47. Increase the salary rate of Dr. Rene R. Kempen (non-tenure), Assistant Professor, from \$14,000 to \$14,500 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 481)

48. Increase the salary rate of Dr. Gordon L. Johnson (non-tenure), Assistant Professor, from \$15,000 to \$15,500 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. Dr. Johnson also serves as Assistant Director - Interdisciplinary Laboratory, part-time, without salary, in Interdisciplinary Laboratory. (RBC 486)

49. Increase the salary rate of Dr. James H. Pirch (non-tenure), Assistant Professor, from \$16,000 to \$17,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 491)

50. Increase the salary rate of Dr. David E. Potter (non-tenure), Assistant Professor, from \$13,500 to \$14,000 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 492)

Physiology

51. Delete the name of Dr. Eric Ogen, Lecturer, part-time, without salary, effective January 31, 1972, the date of his death. (RBC 442)

Preventive Medicine and Community Health

52. Change the status of Dr. Marcus L. Ross (tenure), Associate Professor, from full-time at a salary rate of \$30,000 for 12 months to part-time, without salary, effective January 1, 1972. (RBC 434)

53. Change the status of Dr. John J. Delaney (non-tenure), Assistant Professor, from one-half time to full-time at the same salary rate of \$25,000 for 12 months, effective February 1, 1972. Additional funds needed are to come from DHEW Grant No. 3D08-ME-00131-02SL. (RBC 471)

Radiology

54. Increase the salary rate of Dr. Leonard E. Swischuk (tenure), Associate Professor, from \$25,000 to \$26,000 for 12 months, effective February 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 406)

55. Increase the salary rate of Dr. Melvyn H. Schreiber (tenure), Professor, from \$31,000 to \$32,000 for 12 months, effective February 1, 1972. Additional funds needed are to come from the departmental teaching salaries budget. (RBC 412)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedRadiology

56. Appoint Dr. Raleigh F. Johnson, Jr., (non-tenure), as Assistant Professor, at a salary rate of \$18,000 for 12 months, effective February 8, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 435)

Surgery

57. Reappoint Dr. John Q. McGivney (non-tenure) as Clinical Associate Professor, part-time, at a salary of \$400 for 12 months, effective February 1, 1972. Dr. McGivney is returning from a Leave of Absence. (RBC 467)

58. Change the source of funds only for Dr. Horst D. Becker (non-tenure), Research Surgeon, at a salary rate of \$10,000 for 12 months from DHEW Grant No. 5 S01-RR-05427-11 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 436)

59. Increase the salary rate of Dr. Carl E. Schow (tenure), Associate Professor and Chief, from \$27,000 to \$28,000 for 12 months, effective February 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 407)

60. Increase the salary rate of Dr. George T. Tindall (tenure), Professor and Chief, from \$30,000 to \$31,500 for 12 months, effective February 1, 1972. Additional funds needed are to come from the departmental teaching salaries budget. (RBC 414)

61. Change the source of funds only for Dr. Ulf B. Hjelmquist (non-tenure), Research Surgeon, at a salary rate of \$10,000 from DHEW Grant No. 1S01-FR-05427-10 to General Budget only, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 423)

62. Change the status of Dr. John C. Evans (non-tenure), Research Surgeon, from part-time at a salary of \$8,000 for 12 months to full-time at a salary of \$9,600 for 12 months, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 443)

63. Increase the salary rate of Dr. Kinjiro Iwata (non-tenure, Assistant Professor, from \$20,000 for 12 months (\$10,000 from General Budget and \$10,000 from USPHS Award - Neurosurgery) to \$21,500 for 12 months (\$10,000 from General Budget, \$10,000 from USPHS Award - Neurosurgery, \$500 from MSRDP - Neurosurgery and \$1,000 from DHEW Grant No. 5 P01-NS-07377-04), effective February 1, 1972. (RBC 448)

64. Grant a Leave of Absence without salary to Dr. John Q. McGivney (non-tenure) Clinical Associate Professor, part-time, at a salary of \$400 for 12 months, effective December 31, 1971. (RBC 454)

65. Increase the salary of Dr. John M. Thiel (non-tenure), Clinical Assistant Professor, part-time, from \$300 to \$360 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 479)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedSchool of Allied Health SciencesOffice of the Dean

66. Appoint Dr. Alice A. O'Donell (non-tenure) as Assistant Professor, without salary, effective January 20, 1972. Dr. O'Donell (non-tenure) also serves as Assistant Professor at a salary rate of \$20,000 for 12 months in the Department of Preventive Medicine and Community Health and as Instructor, part-time, without salary in the Department of Pediatrics. (RBC 489)

School of Allied Health Sciences -Physical Therapy

67. Appoint Miss Marie Wessinger (non-tenure) as Adjunct Instructor, part-time, without salary, effective September 1, 1971. (RBC 408)

68. Appoint Mrs. Lennie K. Wilkins (non-tenure) as Adjunct Instructor, part-time, without salary, effective September 1, 1971. (RBC 415)

69. Increase the salary rate of Miss Janice E. Toms (non-tenure), Instructor, from \$10,020 (\$8,016 from General Budget and \$2,004 from Galveston College Health Occupation Program) to \$10,920 for 12 months (\$8,016 from General Budget, \$2,004 from Galveston College Health Occupation Program, and \$900 from DHEW Grant No. 44P-30066-6-10), effective March 1, 1972. Miss Toms (non-tenure) also serves as Physical Therapy Instructor, part-time, without salary, in Rehabilitation Clinic - Physical Therapy. (RBC 503)

70. Increase the salary rate of Miss Jo A. Tomberlin (non-tenure), Assistant Professor, from \$11,400 to \$12,400 for 12 months, effective March 1, 1972. Additional funds needed are to come from DHEW Grant No. 44P-30066-6-10. Miss Tomberlin also serves as Physical Therapy Instructor (non-tenure), part-time, without salary, in Rehabilitation Clinic - Physical Therapy. (RBC 504)

71. Increase the salary rate of Miss Rosalie B. Lopopolo (non-tenure), Instructor, from \$8,400 (\$4,200 from General Budget and \$4,200 from DHEW Grant No. 44P-30066-6-10) to \$9,999 for 12 months (\$4,200 from General Budget and \$5,799 from DHEW Grant No. 44P-30066-6-10), effective March 1, 1972. Miss Lopopolo (non-tenure) also serves as Adjunct Instructor, part-time, without salary, in this same department. (RBC 502)

School of Allied Health Sciences -Associated Health Occupations

72. Appoint Miss Betty R. LaVerne (non-tenure) as Instructor, part-time, without salary, effective February 1, 1972.

University HospitalsOffice of the Vice Presidentfor Hospital Services

73. Accept the resignation of Mr. Robert E. Lewis, Assistant Administrator of Hospitals (part-time) at a salary of \$12,375 for 12 months, effective January 31, 1972. Mr. Lewis is transferring to The Sealy & Smith Foundation Hospitals. (RBC 450)

74. Accept the resignation of Mr. Lester G. Furry, Director of Patient Finance, Ambulatory Service and Admitting, part-time, at a salary of \$9,750 for 12 months, effective January 31, 1972. (RBC 457)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedUniversity Hospitals (cont'd.)
Office of the Vice-President for
Hospital Services

75. Appoint Mr. Henry P. Chauvin, Jr., as Director of Patient Finance, one-half time, at a salary of \$7,800 for 12 months, effective February 1, 1972. Funds needed are to come from the departmental non-teaching salaries budget. Mr. Chauvin also serves as Director, one-half time, at a salary of \$7,800 for 12 months in the Office of Patient Finance. Total salary for 12 months, \$15,600. (RBC 460)

76. Appoint Mr. James H. Jones as Assistant Administrator of Hospitals, part-time, at a salary of \$10,500 for 12 months, effective February 1, 1972. Funds needed are to come from the departmental non-teaching salaries budget. Mr. Jones also serves as Assistant Administrator of Hospitals, part-time, at a salary of \$3,500 for 12 months in the Office of the Vice President for Hospital Services - The Sealy & Smith Foundation Hospitals. Total salary for 12 months, \$14,000. (RBC 472)

77. Accept the resignation of Mr. Thomas M. Keefe, Associate Administrator of Hospitals, part-time, without salary, effective January 31, 1972. (RBC 508)

Nursing Service - Administration

78. Accept the resignation of Mrs. Doris M. Hempel, Area Clinical Nursing Director, at a salary rate of \$12,600 for 12 months, effective February 29, 1972. (RBC 500)

79. Accept the resignation of Miss Eleanor L. Balentine, Area Clinical Nursing Director, at a salary rate of \$11,400 for 12 months, effective March 17, 1972. (RBC 501)

Blood Bank

80. Increase the salary of Mrs. Dorothy L. Williams, Technical Director, part-time, from \$11,340 to \$11,880 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Hospitals. Through error, we neglected to correct Mrs. Williams' budgeted title from Assistant Technical Director to Technical Director, effective September 1, 1971. Mrs. Williams also serves as Technical Director, part-time, at a salary of \$1,320 for 12 months in Blood Bank - The Sealy & Smith Foundation Hospitals. Total salary for 12 months, \$13,200. (RBC 510)

Pharmacy

81. Appoint Mr. Michael D. Ellis as Associate Director of Poison Control Center (new position), one-half time, at a salary of \$6,300.00 for 12 months, effective February 1, 1972. Funds to come from Unallocated Appropriations - Hospitals. (RBC 473)

School Service for Pediatric and
Psychiatric Patients

82. Appoint Mrs. Barbara J. Weehunt as School Teacher, part-time, without salary, effective January 24, 1972. (RBC 455)

Renal Transplant Center

83. Accept the resignation of Mr. Henry P. Chauvin, Jr., Financial Administrator, at a salary rate of \$14,400 for 12 months (\$7,200 from General Budget and \$7,200 from DHEW Research Grant), effective January 31, 1972. Mr. Chauvin is transferring to the Office of Patient Finance. (RBC 458)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedOrganized ActivitiesMedical Electronics Service

84. Change the source of funds only for Dr. Norman T. Welford, Director, Biomedical Engineering, at a salary rate of \$20,000 for 12 months from \$13,000 from General Budget and \$7,000 from DHEW Grant No. 1S01-FR-05427-11 to General Budget, effective February 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. Dr. Welford also serves as Assistant Professor - Psychology, part-time, without salary, in the Department of Neurology and Psychiatry. (RBC 437)

The Marine Biomedical Institute

85. Appoint Dr. Bruce H. Peters as Adjunct Member, part-time, without salary, effective February 1, 1972. Dr. Peters also serves as Assistant Professor - Neurology at a salary rate of \$20,000 for 12 months in the Department of Neurology and Psychiatry. (RBC 499)

Sealy & Smith Foundation HospitalsOffice of the Vice President forHospital Services

86. Change the status of Mr. Robert E. Lewis from Assistant Administrator of Hospitals, part-time, at a salary of \$4,125 for 12 months to Associate Administrator of Hospitals, full-time, at a salary rate of \$18,500 for 12 months, effective February 1, 1972. Additional funds needed are to come from the departmental non-teaching salaries budget. (RBC SS6)

87. Appoint Mr. James H. Jones as Assistant Administrator of Hospitals, part-time, at a salary of \$3,500 for 12 months, effective February 1, 1972. Funds needed are to come from the departmental non-teaching salaries budget. Mr. Jones also serves as Assistant Administrator of Hospitals, part-time, at a salary of \$10,500 for 12 months in the Office of the Vice-President for Hospital Services - University Hospitals. Total salary for 12 months, \$14,000. (RBC SS8)

88. Accept the resignation of Mr. Thomas M. Keefe, Associate Administrator of Hospitals, at a salary rate of \$21,800 for 12 months, effective January 31, 1972. (RBC SS9)

Blood Bank

89. Increase the salary of Mrs. Dorothy L. Williams, Technical Director, part-time, from \$1,260 to \$1,320 for 12 months, effective March 1, 1972. Additional funds needed are to come from Unallocated Appropriations - Hospitals. Through error, we neglected to correct Mrs. Williams' budgeted title from Assistant Technical Director to Technical Director, effective September 1, 1971. Mrs. Williams also serves as Technical Director, part-time, at a salary of \$11,880 for 12 months in Blood Bank - University Hospitals. Total salary for 12 months, \$13,200. (RBC SS10)

Chronic Home Dialysis Center

90. Accept the resignation of Dr. James D. Lindley, Assistant Program Director, part-time, at a salary of \$14,400 for 12 months (\$4,400 from Chronic Home Dialysis Center and \$10,000 from DHEW Grant No. HSM-110-71-195), effective January 31, 1972. (RBC 505)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedTransfer of Funds

91. From: Unallocated Appropriations - General \$ 3,374.00
- To: Service Computation Center - Classified Salaries \$ 3,374.00
- For: Provide funds for the creation of a new position of Keypunch Operator II at a salary rate of \$5,784 for 12 months, effective February 1, 1972.
- (RBC 465)
92. From: Unallocated Appropriations - Hospitals \$ 1,860.00
- To: Office of In-Service Education:
Classified Salaries \$ 1,860.00
- For: Provide funds for the creation of a new position of Training Specialist I, half-time, at a salary of \$3,720 for 12 months, effective March 1, 1972. The person appointed to this position will act as Training Supervisor for the Housekeeping Department.
- (RBC 456)
93. From: Unallocated Appropriations - Instructional -
Classified \$ 2,562.00
- To: Interdisciplinary Laboratory - Classified Salaries \$ 2,562.00
- For: Funds needed for the change in source of funds for a position of Laboratory Technical Assistant I at a salary rate of \$4,392 for 12 months, effective February 1, 1972.
- (RBC 424)
94. From: Unallocated Appropriations - Instructional \$ 15,000.00
- To: Human Genetics - Maintenance and Operation \$ 15,000.00
- For: Funds needed for the continuing operation of the department for the remainder of this fiscal year.
- (RBC 496)
95. From: Unallocated Appropriations - Instructional -
Classified \$ 3,374.00
- To: Pediatrics - Classified Salaries \$ 3,374.00
- For: Funds needed for the change in source of funds only for one (1) position of Research Technician at a salary rate of \$5,784 for 12 months, effective February 1, 1972.
- (RBC 421)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedTransfer of Funds (cont'd.)

96. From: Unallocated Appropriations - Instructional -
Classified \$ 5,845.00

To: Pediatrics - Classified Salaries \$ 5,845.00

For: Funds needed for the change in source of funds only of one (1) position of a Research Associate, at a salary rate of \$10,020 for 12 months, from DHEW Grants to General Budget only, effective February 1, 1972.

(RBC 432)

97. From: Unallocated Appropriations - Instructional -
Classified \$ 2,562.00

To: Pediatrics - Classified Salaries \$ 2,562.00

For: Funds needed for the change in source of funds for one (1) position of Clerk-Typist I at a salary rate of \$4,392 for 12 months, effective February 1, 1972.

(RBC 439)

98. From: Unallocated Appropriations - Hospitals \$ 5,107.69

To: Radiology Service - Classified Salaries \$ 5,107.69

For: Funds needed for the creation of a new position of Hospital Aide I at a salary rate of \$4,200 for 12 months, effective January 14, 1972, and for the creation of a new position of Radiologist I at a salary rate of \$6,468 for 12 months, effective January 20, 1972.

(RBC 444)

99. From: Unallocated Appropriations - Instructional -
Classified \$ 5,785.50

To: Medical Electronics Service - Classified Salaries \$ 5,785.50

For: Funds needed for the change in source of funds for an Engineering Technician III, part-time, at a salary of \$9,918 for 12 months, effective February 1, 1972.

(RBC 445)

RECOMMENDED AMENDMENTS TO 1971-72 BUDGET - continuedTransfer of Funds (cont'd.)

100. From: Unallocated Appropriations - Instructional \$ 3,389.54

To: Medical Branch Library - Classified Salaries \$ 3,389.54

For: Funds needed for the creation of a new position of Informational Writer I at a salary rate of \$5,784 for 12 months, effective January 31, 1972.

(RBC 404)

101. From: Unallocated Appropriations - Hospitals \$ 1,860.00

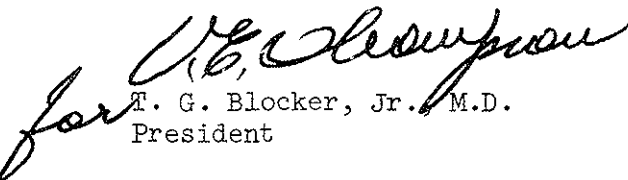
To: Sealy & Smith Foundation Hospitals - Office of In-Service Education:

Classified Salaries \$ 1,860.00

For: Funds needed for the creation of a new position of Training Specialist I, half-time, at a salary of \$3,720 for 12 months, effective March 1, 1972. The person appointed to this position will act as Training Supervisor for the Housekeeping Department.

(RBC SS7)

Sincerely yours,

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

THE UNIVERSITY OF TEXAS
MEDICAL SCHOOL
AT HOUSTON

April 3, 1972

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

Dear Dr. LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin on April 29, 1972. *WKF*

CONTRACTS AND AGREEMENTS (OTHER): Approval is respectfully requested for the acceptance of the following contracts and agreements.

1. Lease Contract No. UMH-2410L-Houston, whereby A Houston Lock It Pocket agrees to lease 1,200 square feet of space in the A-33, 34, 35, 36, 37, 38 Building at 4932 Glenmont, Houston, Texas, at 16.33¢ per square foot for a total of \$196.00 per month, for the period February 15, 1972 through August 31, 1972. This contract was signed on behalf of The University of Texas Medical School at Houston by E. D. Walker, Deputy Chancellor for Administration. *400*

2. Transfer of M. D. Anderson Lease No. UH-2041L-Houston, whereby the Center Pavilion Hospital leased 8,820 square feet of space on the 6th floor of the Center Pavilion Hospital, 1700 Holcombe Blvd., Houston, Texas, at 35¢ per square foot per month for a total of \$3,087.00 per month, for the period September 1, 1969 through August 31, 1973. The Houston Medical School assumes the remaining period of this lease, March 1, 1972 through August 31, 1973. This transfer was approved on behalf of The University of Texas Medical School at Houston by E. D. Walker, Deputy Chancellor for Administration. *400*

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET: Approval is respectfully requested for the following amendments to the 1971-72 Budget.

INSTRUCTION AND DEPARTMENTAL RESEARCH - ANALYTIC SCIENCES

Anatomy

1. Transfer of Funds: (RBC No. 47)

From: Unallocated Appropriations - Instructional Classified Salaries	<u>\$ 3,073.00</u>
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To: Anatomy Classified Salaries	<u>\$ 3,073.00</u>
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For: This transfer is requested to create a new position of Secretary I at a salary rate of \$5,268 for 12 months, effective February 1, 1972.

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET - continuedINSTRUCTION AND DEPARTMENTAL RESEARCH - ANALYTIC SCIENCES - continuedPharmacology*

2. Appoint Dr. George M. Stancel as Assistant Professor in the Program of Pharmacology at an annual salary of \$17,500 effective August 15, 1972. Funds needed are to come from departmental Faculty Salaries. (RBC No. 50)

Physiology*

3. Appoint Dr. Leonard R. Johnson as Professor in the Program of Physiology at an annual salary of \$25,000 effective June 1, 1972. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC No. 49)

INSTRUCTION AND DEPARTMENTAL RESEARCH - CLINICAL SCIENCESPathology*

4. Appoint Dr. Hubert J. Van Peenen III as Professor and Director, Program of Pathology, at an annual salary of \$36,000 effective August 1, 1972. Funds needed are to come from departmental Faculty Salaries. (RBC No. 53)

Pediatrics*

5. Appoint Dr. Susan S. Skrovan as Assistant Professor in the Program of Pediatrics, half-time, at an annual salary of \$11,500 effective March 1, 1972. Funds needed are to come from departmental Faculty Salaries. (RBC No. 51)

6. Appoint Dr. Jordan R. Wilbur as Associate Professor in the Program of Pediatrics, without salary, effective January 1, 1972. Dr. Wilbur also serves as Associate Professor and Department Head, Pediatrics, M. D. Anderson Hospital and Tumor Institute. (RBC No. 52)

INSTRUCTION AND DEPARTMENTAL RESEARCH - OTHER INSTRUCTIONALBiomedical Communications

7. Transfer of Funds: (RBC No. 48)

From: Unallocated Appropriations - Instructional Classified Salaries	<u>\$16,648.00</u>
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To: Biomedical Communications Classified Salaries	<u>\$16,648.00</u>
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For: This transfer is requested to create the following new positions, effective January 1, 1972:

- (1) Medical Illustration Supervisor at a salary rate of \$9,600 for 12 months.
- (2) Photographic Technician II at a salary rate of \$5,520 for 12 months.
- (3) Medical Art Technician I at a salary rate of \$5,268 for 12 months.
- (4) Photography Assistant I at a salary rate of \$4,584 for 12 months.

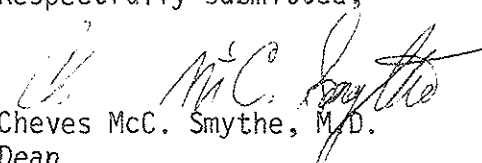
*Faculty appointments do not carry tenure for the first two years.

RECOMMENDED AMENDMENTS TO THE 1971-72 PERSONNEL PAY PLAN: Approval is respectfully requested for the following amendments to the 1971-72 Personnel Pay Plan.

1. Code No.		Monthly Range	Annual Range
4383	Electron Microscopy Technician II	680-835	8,160-10,020
4384	Electron Microscopy Technician I	514-650	6,168- 7,800
8530	Medical Art Technician I	419-565	5,028- 6,780
8545	Audio Visual Equipment Technician III	592-740	7,104- 8,880
8860	Photography Assistant I	366-482	4,392- 5,784

These amendments have been approved by E. D. Walker, Deputy Chancellor for Administration.

Respectfully submitted,


Cheves McC. Smythe, M.D.
Dean

THE UNIVERSITY OF TEXAS
DENTAL BRANCH
at Houston

March 22, 1972

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

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at the meeting in Austin, Texas on April 29, 1972. X

AWARDING OF DEGREES AND CERTIFICATES: Eligible members of the Postgraduate School of Dentistry and of the Senior Class of the School of Dentistry have been approved for the awarding of degrees to properly certified candidates, and eligible members of the Postgraduate School of Dentistry, the School of Dental Hygiene and the Dental Assisting Program have been approved for the awarding of certificates to properly certified candidates. X

FACULTY (WITHOUT SALARY AND WITHOUT TENURE): I recommend your approval of the following addition to the Faculty, without salary and without tenure. X

1. Addition: Dr. Manuel De la Rosa R. as Clinical Assistant Professor in the Dental Science Institute, effective April 1, 1972.

CONTRACTS AND GRANTS (FEDERAL): The following grant has been negotiated by the Associate Dean for Business Affairs and has been signed by the Dean upon recommendation of the Grant Director, and approved by the Comptroller and the Chancellor. I recommend your approval and ratification of the signatures. X

1. Extension of U.S.P.H.S. Research Grant 5 R01 DE-02400-06, without additional funds, for the period March 1, 1972, through August 31, 1972, entitled "Reaction of Cells to Contact With The Tooth Surface." This project is directed by Dr. A. Cecil Taylor, Professor in the Department of Anatomy (Dental Anatomy and Histology) and Member of the Dental Science Institute,

Recommended Amendments to the 1971-72 Budget:

Physiology (Pharmacology)

1. Appointment: Mr. Nils L. Bengtson as Research Technician II at an annual salary of \$7,440.00, effective February 15, 1972; transfer \$4,040.66 from Unallocated Other Salaries. (RBC-68)

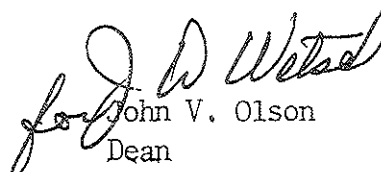
Restorative Dentistry (Unit Restorations)

2. Appointment: Dr. Charles E. Sensiba (non-tenure) as Assistant Professor at an annual salary of \$16,000.00, effective July 1, 1972; transfer \$2,666.66 from Unallocated Faculty Salaries. (RBC-69)

Dental Science Institute

3. Change in Source of Funds: Miss Catherine Shea, Research Technician III at an annual salary of \$8,160.00, from Dental Science Institute (50% T.) and U.S.P.H.S. Grant NAS-9-11118 (50% T.), effective February 1, 1972; \$2,380.00 available in budgeted position and transfer \$2,380.00 from Unallocated Other Salaries to the Dental Science Institute. (RBC-67)

Respectfully submitted,


John V. Olson
Dean

THE UNIVERSITY OF TEXAS
M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE AT HOUSTON

April 3, 1972

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

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Austin, Texas on April 29, 1972:

GIFTS: I recommend acceptance of the following gifts and that the appreciation of the Board be sent to the donor by the Secretary.

<u>Donor</u>	<u>Purpose</u>	<u>Amount</u>
1. Mr. William A. Cook President George Alfred Cook Research Memorial Fund 925 S. Curry Pike Box 489 Bloomington, Indiana 47401	For Use by the Section of Experimental Radiology, Department of Diagnostic Radiology	\$5,000.00*
2. The Kelsey and Leary Foundation Mr. Thomas D. Anderson, Chairman 6624 Fannin Houston, Texas 77025	For research project "The Natural History of Esophageal Carcinoma in Populations with Disparate Prevalence of the Disease"	\$8,359.00
3. Mr. Charles I. Pechenik 950 South Duke Street York, Pennsylvania 17403	For use in Dr. Raymond Alexanian's Myeloma Research Program	\$34,965.37
4. Houston Endowment, Inc. Attn: Mr. J. H. Creekmore P. O. Box 52338 Houston, Texas 77052	Expansion of Hospital Facilities	\$1,000,000.00*
5. Lippman Associates Attn: Mr. Leo A. Lippman 3939 Meadows Drive Indianapolis, Indiana 46205	For purchase of an Electron Microscope Equipment	\$75,000.00

* No Letter of Transmittal Received

GOVERNMENT CONTRACTS AND GRANTS: The following Contracts, Grants and Amendments have been negotiated by the Business Manager, and have been signed by the President upon recommendation of the Contract Director, and the Business Manager, and approved by the Comptroller and Deputy Chancellor for Administration. I recommend your approval and ratification of signatures.

1. Grant No. 3 R10 CA10042-05S2 CCI by which the National Cancer Institute provides supplemental funds for the project "Protected Environment and Cancer Chemotherapy". Direct costs in the amount of \$78,294 plus appropriate indirect costs are awarded for the period June 1, 1971 through May 31, 1972. This grant is under the direction of Dr. Gerald P. Bodey.

2. Grant No. 5 T01 CA05232-02 CAN by which the National Cancer Institute provides funds for the project "Research Training in Pathology" for the period July 1, 1972 through June 30, 1974. The amount of \$34,344 is awarded for the period July 1, 1972 through June 30, 1973. This grant is under the direction of Dr. William O. Russell.
3. Grant No. 1 R01 CA12687-01 PTHB by which the National Cancer Institute provides funds for the project "Cytogenetic and Ultrastructural Studies in Leukemia" for the period January 1, 1972 through December 31, 1974. Direct costs in the amount of \$101,442 plus appropriate indirect costs are awarded for the period January 1, 1972 through December 31, 1972. This grant is under the direction of Dr. Jose M. Trujillo.
4. Grant No. 5 R01 CA11788-03 SSS by which the National Cancer Institute provides funds for the project "Biochemical Pharmacology of Carcinostatic Drugs" for the period May 1, 1972 through April 30, 1974. Direct costs in the amount of \$31,920 plus appropriate indirect costs are awarded for the period May 1, 1972 through April 30, 1973. This grant is under the direction of Dr. Gerald A. LePage.
5. Grant No. GB-20612, Amendment No. 1 by which the National Science Foundation provides additional funds for the project "Kinetics of Open Biological Systems: Control and Oscillations" for the period February 1, 1970 through February 28, 1973 in the amount of \$1,900 for a total grant award of \$25,700. This grant is under the direction of Dr. Charles F. Walter.
6. Contract No. PH-43-NCI-E-65-604, Modification No. 13 by which the National Institutes of Health provides funds for the project "Studies on the Relationships of Viruses to Human Leukemias, Lymphomas, and Selected Solid Tumors" for the period February 1, 1972 through January 31, 1973 in the amount of \$611,058. This contract is under the direction of Dr. Leon Dmochowski.
7. Grant No. 5 R10 CA12014-03 CCI by which the National Cancer Institute provides funds for the project "Southwest Cancer Chemotherapy Study Group - Statistical". Direct costs in the amount of \$116,472 plus appropriate indirect costs are awarded for the period January 1, 1972 through December 31, 1972. This grant is under the direction of Dr. Edmund A. Gehan.
8. Grant No. 5 R01 AM09155-08 HEM by which the National Institute of Arthritis and Metabolic Diseases provides funds for the project "Bone Marrow Kinetics" for the period April 1, 1972 through March 31, 1974. Direct costs in the amount of \$21,857 plus appropriate indirect costs are awarded for the period April 1, 1972 through March 31, 1973. This grant is under the direction of Dr. Raymond Alexanian.
9. Grant No. 5 R01 CA04464-14 PC by which the National Cancer Institute provides funds for the project "Biosynthesis and Role of Deoxynucleotides" for the period April 1, 1972 through March 31, 1974. Direct costs in the amount of \$39,746 plus appropriate indirect costs are awarded for the period April 1, 1972 through March 31, 1973. This grant is under the direction of Dr. E. Colleen Moore.

Handwritten initials: D & F

CONTRACTS AND AGREEMENTS, NONGOVERNMENT SPONSORED, INCLUDING RESEARCH GRANTS AS DISTINGUISHABLE FROM GIFTS:

GRANTS: The following grants have been accepted on behalf of The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston by the President. I recommend approval and ratification of signatures.

1. Grant No. 918 by which The Kelsey and Leary Foundation provides funds for the project "Family Study of Solid (Medullary) Carcinoma of the Thyroid" for the period February 14, 1972 through February 13, 1973 in the amount of \$7,247. This grant is under the direction of Dr. C. Stratton Hill.

2. Grant No. G-315 by which The Robert A. Welch Foundation provides funds for the project "Specific Interactions Between Repair Enzymes and Deoxyribonucleic Acid" for the period May 1, 1972 through April 30, 1973 in the amount of \$15,000. This grant is under the direction of Dr. Roger Roy Hewitt.
3. Grant No. G-415 by which The Robert A. Welch Foundation provides funds for the project "The Structure of Tyrosine transfer-Ribonucleic Acid from Normal and Regenerating Pat Liver" for the period May 1, 1972 through April 30, 1973 in the amount of \$12,000. This grant is under the direction of Dr. J. Thomas Tidwell.
4. Grant No. G-290 by which The Robert A. Welch Foundation provides funds for the project "Chemical Basis for Specificity in the Association of Nuclear Proteins with DNA" for the period May 1, 1972 through April 30, 1974. The amount of \$12,000 is awarded for each of the two years. This grant is under the direction of Dr. Allen T. Ansevin.
5. Grant No. G-487 by which The Robert A. Welch Foundation provides funds for the project "Intercistronic Regions in Messenger Ribonucleic Acid" for the period May 1, 1972 through April 30, 1974. The amount of \$12,000 is awarded for each of the two years. This grant is under the direction of Dr. James N. Baptist.
6. Grant No. G-517 by which The Robert A. Welch Foundation provides funds for the project "Nicotinamide-Adenine Dinucleotide: Intramolecular Interactions, Interactions with Water, and Binding to Dehydrogenases" for the period May 1, 1972 through April 30, 1974. The amount of \$12,000 is awarded for each of the two years. This grant is under the direction of Dr. Charles Walter.

INTERAGENCY CONTRACTS:

Correction. Interagency Contract No. IAC(72-73)-376 which was reported as Docket Item No. 1, Page No. A-3 for the March 16, 1972 Board of Regents Meeting was incorrect in that The University of Texas Dental Branch is the Receiving Agency for this contract.

File

D & F

BUSINESS CONTRACTS: The following contract has been negotiated by the Business Manager and has been approved by the System Comptroller and the Deputy Chancellor for Administration and the State Board of Control. I recommend your approval and ratification of signatures:

1. Lease Agreement with Elgee Associates for 38,000 square feet warehouse space for storage space to be shared by The University of Texas M. D. Anderson Hospital, Houston Medical School and Dental School. Rental payment for this space is at the rate of \$.11 cents per square foot per month effective March 1, 1972 through August 31, 1975.

400

BUDGET CHANGES: The following amendments to the 1971-72 budget are written on the basis of "budget rates" rather than the "freeze rates" resulting from the President's Executive Order. For the duration of the wage-price freeze, while reported amendments to the budget are based on budget rates, all payrolls have been processed in compliance with the rules, regulations, and guidelines issued under authority of the Executive Order.

1971-72

General Administration (Business Office, Payroll)

1. Appointment. Barbara E. Davidson, Accounting Clerk II, payable at the rate of \$5,520.00 per annum effective February 14, 1972. The source of funds for this position is the Reserve for Classified Salaries Account. (RBC 125)

General Administration (Personnel)

2. Appointment. Barbara L. Moran, Secretary II, payable at the rate of \$6,168.00 per annum effective December 13, 1971. The source of funds is the Reserve for Classified Salaries Account. (RBC 128)
3. Appointment. Janet M. Sartor, Clerk I, payable at the rate of \$4,200.00 per annum effective September 1, 1971. The source of funds is the Reserve for Classified Salaries Account. (RBC 131)

Medical Staff (Radiotherapy)

4. Change in Status. Jesus Caderao, Ph.D., from Assistant Radiotherapist and Instructor in Radiotherapy payable at the rate of \$25,000.00 per annum to Project Investigator in Radiotherapy payable at the rate of \$20,000.00 per annum from National Institutes of Health Grant NIH-5-P02-CA-10006 effective February 1, 1972. There is no change in source of funds for Dr. Caderao. (RBC 136)

Research (Biochemistry)

5. Change in Title. Yasuski Nakagawa, Ph.D., from Research Associate to Assistant Biochemist and Assistant Professor of Biochemistry (Without Tenure) payable at the rate of \$10,500.00 per annum from National Institutes of Health Grant 5-R01-CA-1785, effective January 1, 1972. There is no change in salary for Dr. Nakagawa. (RBC 132)

Research (Experimental Medicine)

6. Appointment. Martha Roe, Secretary I, payable at the rate of \$5,520.00 per annum effective November 14, 1971. The source of funds is the Reserve for Classified Salaries Account. (RBC 129)

Research (Experimental Surgery)

7. Increase in Salary. Sam C. Barranco, Ph.D., Assistant Biologist, Section of Experimental Surgery and Assistant Professor of Surgery (Biology), (Without Tenure) from the rate of \$15,000.00 per annum to the rate of \$16,000.00 per annum effective March 1, 1972. The source of funds is the Reserve for Professional Salaries Account. (RBC 137)

Research (Virology)

8. Appointment. Donald L. Evans, Ph.D., Assistant Virologist and Assistant Professor of Virology (Without Tenure) payable at the rate of \$13,500.00 per annum from Public Health Service Contract PH-43-65-604 effective February 1, 1972. (RBC 126)
9. Appointment. William A. Newton, M. D., Assistant Virologist and Assistant Professor of Virology (Without Tenure) payable at the rate of \$15,000.00 per annum from Public Health Service Contract PH-43-65-604, effective February 1, 1972. (RBC 127)

Patient Care Activities (Inhalation Therapy)

10. Change in Title and Increase in Salary. Raul A. Rowe, from Acting Chief Inhalation Therapist, payable at \$11,100.00 per annum to Chief Inhalation Therapist payable at \$13,000.00 per annum effective February 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 123)

Patient Care Activities (Clinical Pathology Service)

11. Appointment. Felipe Duran, Jr. Assistant Chief Medical Technologist, payable at the rate of \$9,600.00 per annum from Clinical Pathology Services (General Funds), effective March 1, 1972. The source of funds for this appointment is the Reserve for Classified Salaries Account. (RBC 139)

12. Appointment. Eleanor Y. Phillips, Secretary III, payable at the rate of \$6,780.00 per annum from Clinical Pathology Services, effective February 24, 1972. The source of funds for this appointment is the Reserve for Classified Salaries Account. (RBC 140)

Patient Care Activities (Nursing Service)

13. Appointment. Mary L. Guidry, Nurse Supervisor, payable at the rate of \$12,000.00 per annum effective September 1, 1971. The source of funds is the Reserve for Classified Salaries Account. (RBC 130)

General Services (Development Office)

14. Extension of Appointment. Diane Elizabeth Heiges, Special Assistant to the University Cancer Foundation, payable at the rate of \$10,000.00 per annum from Various Donors for University Cancer Foundation, effective for the period March 1, 1972 through May 31, 1972. Reference Regents Budget Change 66 (71-72). (RBC 138)

General Services (Medical Communications)

15. Appointment. Ken Wiedower, Supervisor Motion Picture and Television, payable at the rate of \$12,000.00 per annum effective March 1, 1972. The source of funds for this appointment is the Reserve for Professional Salaries Account. (RBC 141)

General Services (Police Department)

16. Appointment. Harry R. Lawrence, Patrolman, University Police, payable at the rate of \$8,160.00 per annum effective February 1, 1972. The source of funds for this new position is the Reserve for Classified Salaries Account. (RBC 124)

Anderson Mayfair

17. Appointment. Jesse J. James, Kitchen Manager, payable at the rate of \$10,000.00 per annum effective February 1, 1972. (RBC 133)

18. Appointment. Harry P. Kohrke, Relief Dining Room Manager, payable at the thirty per cent rate of \$3,798.00 effective February 1, 1972. (RBC 134)

19. Appointment. Lawna F. Butcher, Dining Room Manager, payable at the rate of \$9,000.00 per annum effective February 1, 1972. (RBC 135)

ENVIRONMENTAL SCIENCE PARK

20. Transfer of Funds. Transfer funds in the amount of \$1,000.00 from the Reserve for Maintenance and Operation Account to establish a Travel Fund appropriation for the fiscal year 1971-72. (RBC 6)

QUARTERLY REPORT OF GIFTS OF LESS THAN \$5,000.00

The quarterly report of gifts of less than \$5,000.00 for the period ending February 29, 1972 has been filed with the Office of the Board of Regents where it is available for reference.

AMENDMENT TO CLASSIFIED PERSONNEL PAY PLAN:

It is recommended that the following addition to the Classified Personnel Pay Plan for The University of Texas Units at Houston be approved effective March 1, 1972. This change has been approved by the System Personnel Director and the Deputy Chancellor for Administration:

<u>CODE</u>	<u>TITLE</u>	<u>SALARY RANGE</u>
9080	Volunteer Coordinator	\$514-680

Respectfully submitted,



R. Lee Clark, M. D.
President

THE UNIVERSITY OF TEXAS
GRADUATE SCHOOL OF BIOMEDICAL SCIENCES AT HOUSTON
DIVISION OF GRADUATE STUDIES

April 3, 1972

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

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Austin, Texas on April 29, 1972:

GIFTS: I recommend acceptance of the following gift for the Division of Communicative Disorders and that the appreciation of the Board be sent to the donor by the Secretary. 10 27

<u>Donor</u>	<u>Purpose</u>	<u>Amount</u>
1. Houston Alumnae Kappa Alpha Theta Mrs. Pat Green, President 5470 Tilbury Houston, Texas 77027	For the Video Taping of Normal Children Fund	\$8,000.00

BUDGET CHANGES: The following amendments to the 1971-72 budget are written on the basis of "budget rates" rather than the "freeze rates" resulting from the President's Executive Order. For the duration of the wage-price freeze, while reported amendments to the budget are based on budget rates, all payrolls are processed in compliance with the rules, regulations, and guidelines issued under authority of the Executive Order.

1971-72

Educational and General

1. Change in Source of Funds and Status. Thomas A. Decker, Ph.D., Assistant Professor (Without Tenure), from the eight per cent time rate of \$1,500.00 per annum from Educational and General (General Funds) and the forty-two per cent time rate of \$7,950.00 per annum from NASA Contract NGR-44-012-099 to the one hundred per cent rate of \$18,900.00 per annum from Educational and General (General Funds) for the period January 1, 1972 through February 17, 1972. Source of funds for this change is the Reserve for Professional Salaries Account. (Rev. RBC 14)
2. Appointment. Vivian K. Leitner, Research Associate, payable at the twenty per cent rate of \$2,400.00 per annum from Educational and General (General Funds) effective January 1, 1972. The source of funds is the Reserve for Professional Salaries Account. (RBC 17)
3. Increase in Salary. James P. Preslock, Ph.D., Assistant Professor (Without Tenure), from the rate of \$13,500.00 per annum to the rate of \$14,500.00 per annum effective February 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 18)
4. Leave Without Pay. Vivian K. Leitner, Research Associate, payable at the twenty per cent rate of \$2,400.00 per annum for the period February 7, 1972 to April 28, 1972. (RBC 20)

DIVISION OF COMMUNICATIVE DISORDERS

5. Change in Source of Salary. Tina E. Bangs, Ph.D., Acting Director, from the rate of \$2,500.00 per annum from Office of the Director (General Funds), the rate of \$2,500.00 per annum from Speech and Hearing Service (Designated Funds), and the rate of \$20,000.00 per annum from Grant OEG-9-530312-4651 to the rate of \$5,000.00 per annum from Office of the Director (General Funds) and the rate of \$20,000.00 per annum from Grant OEG-9-530312-4651, effective January 1, 1972. The source of funds for this change is the Reserve for Professional Salaries Account. (RBC 16)

DIVISION OF CONTINUING EDUCATION

6. Appointment. Sidney Schnur, M. D., Professor of Cardiology (Without Tenure), payable at the twenty-five per cent rate of \$7,500.00 per annum effective September 1, 1971. The source of funds is the vacant Professor of Cardiology position. (RBC 19)

QUARTERLY REPORT OF GIFTS OF LESS THAN \$5,000.00

The quarterly report of gifts of less than \$5,000.00 for all divisions for the period ending February 29, 1972 has been filed with the Office of the Board of Regents where it is available for reference.

Respectfully submitted,



Alfred G. Knudson, Jr., M.D., Ph.D.
D E A N

THE UNIVERSITY OF TEXAS
SCHOOL OF PUBLIC HEALTH AT HOUSTON

April 3, 1972

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

Dear Doctor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Austin, Texas on April 29, 1972:

GOVERNMENT CONTRACTS AND GRANTS: The following contracts, grants, and amendments have been negotiated by the Business Manager, and have been signed by the Dean upon recommendation of the Principal Investigator, and the Business Manager, and approved by the Comptroller and Deputy Chancellor for Administration. I recommend your approval and ratification of signatures. X X F

1. Contract No. NAS 9-11522 by which the National Aeronautics and Space Administration extends the grant period for the project "Public Health Application of Environmental Data Gathered by Remote Sensing" through February 3, 1972, without additional funds. This contract is under the direction of Dr. John E. Scanlon.

2. Grant No. 5 T01 HS00067-02 HST by which the Public Health Service provides funds for the project "Biostatistics" for the period July 1, 1972 through June 30, 1976. The amount of \$69,866 is awarded for the period July 1, 1972 through June 30, 1973. This grant is under the direction of Dr. Richard D. Remington.

3. Grant No. 5 A04 AH00050-03 PHR by which the Public Health Service provides funds for the project "Special Purpose Traineeship Grant" for the period September 1, 1972 through August 31, 1976. The amount of \$29,053 is awarded for the period September 1, 1972 through August 31, 1973. This grant is under the direction of Dr. David W. Martin. X X F

INTERAGENCY CONTRACTS: The following interagency contracts have been negotiated by the Business Manager and have been signed by the Dean upon recommendation of the Business Manager and approved by the State Board of Control, where applicable, and the Comptroller and Deputy Chancellor for Administration. I recommend your approval and ratification of signatures:

1. Interagency Contract No. IAC(72-73)-398 between The University of Texas School of Public Health at Houston, Performing Agency, and the Texas Water Development Board, Receiving Agency, to conduct Ecological Studies of Matagorda, San Antonio, Aransas-Copano and Corpus Christi Bay Systems, for the period January 1, 1972 through August 31, 1972, in the amount not to exceed \$22,500. This contract is under the direction of Dr. Ernst M. Davis.

2. Interagency Contract between The University of Texas School of Public Health at Houston, Receiving Agency, and the University of Houston, KUHT Film Productions, Performing Agency, for production of a film for the project "Early Prevention of Individual Violence", during the period March 6, 1972 through May 30, 1972, in the amount not to exceed \$11,996. Source of funds for this production is a grant from the Moody Foundation.

BUDGET CHANGES: The following amendments to the 1971-72 budget are written on the basis of "budget rates" rather than the "freeze rates" resulting from the President's Executive Order. For the duration of the wage-price freeze, while reported amendments to the budget have been based on budget rates, all payrolls have been processed in compliance with the rules, regulations, and guidelines issued under authority of the Executive Order.

1971-72

General Administration (Office of the Dean)

1. Appointment. Ruth M. Crane, Senior Clerk, payable at the rate of \$5,268.00 per annum, effective March 6, 1972. The source of funds for this appointment is the Reserve for Classified Salaries Account. (RBC 76)

General Expense (Library Services)

2. Appointment. Pamela J. Poffinbarger, Clerk Typist II, payable at the rate of \$4,800.00 per annum, effective February 17, 1972. The source of funds is the Reserve for Classified Salaries. (RBC 77)

Teaching, Service and Research (Chronic Diseases)

3. Increase in Salary. Marion Primomo, Coordinator, from the fifty per cent rate of \$12,500.00 per annum to the fifty per cent rate of \$13,188.00 per annum payable from Regional Medical Program RM-00007-04, Project 1016, effective January 1, 1972. (RBC 64)

4. Increase in Salary. Martin J. Green, Research Associate, from the fifty per cent rate of \$7,500.00 per annum to the fifty per cent rate of \$7,913.00 per annum payable from Regional Medical Program RM-00007-04, Project 1016, effective January 1, 1972. (RBC 66)

Teaching, Service and Research (Health Services Administration)

5. Appointment. Elliot O'Brian Smith, Assistant Research Biometrician, payable at the rate of \$14,300.00 per annum from National Institutes of Health Contract 71-2442, effective February 7, 1972. (RBC 72)

6. Increase in Salary. Cornelius Askew, Ph.D., (Without Tenure) Assistant Professor of Epidemiology, from the rate of \$16,000.00 per annum to the rate of \$17,200.00 per annum, effective March 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 74)

Teaching, Service and Research (International Health)

7. Increase in Salary. Milton P. Siegel, Professor of International Health, (Without Tenure) from the rate of \$25,000.00 per annum to the rate of \$26,200.00 per annum effective February 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Accounts. (RBC 69)

Teaching, Service and Research (Institute of Environmental Health)

8. Increase in Salary. Michael H. Smolensky, Ph.D., Assistant Professor of Environmental Physiology (Without Tenure), from the rate of \$15,000.00 per annum to the rate of \$16,200.00 per annum, effective February 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 70)

9. Increase in Salary. Valliant C. Baird, Ph.D., Professor of Occupational Medicine (Without Tenure), from the thirty-three per cent rate of \$9,000.00 per annum to the thirty-three per cent rate of \$9,500.00 per annum effective February 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 65)

10. Increase in Salary. Leslie A. Chambers, Ph.D., Professor of Environmental Health (With Tenure), from the rate of \$32,000.00 per annum to the rate of \$33,000 per annum, effective February 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 71)

11. Change in Source of Salary. Darwin A. Labarthe, M. D., Associate Professor of Epidemiology (Without Tenure), from the rate of \$23,500.00 per annum to the rate of \$21,150.00 per annum payable from the Institute of Environmental Health (General Funds) and the rate of \$2,350.00 per annum from Regional Medical Program Grant NIH-2-GO3-RM-00007, Project 1016, effective February 1, 1972. (RBC 73)

Teaching, Service and Research (Infectious Diseases)

12. Increase in Salary. Bartholomew P. Hsi, Ph.D., Associate Professor of Biometry (Without Tenure), from the rate of \$22,000.00 per annum to the rate of \$23,500.00 per annum, effective February 1, 1972. The source of funds is the Reserve for Professional Salaries Account. (RBC 67)

Teaching, Service and Research (Population Studies)

13. Increase in Salary. Carl S. Hacker, Ph.D., Assistant Professor of Medical Zoology (Without Tenure), from the rate of \$15,000.00 per annum to the rate of \$16,200.00 per annum effective March 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 75)

Teaching, Service and Research (Urban Health)

14. Increase in Salary. Arthur S. Littell, Ph.D., Professor of Biometry (Without Tenure), from the rate of \$27,500.00 per annum to the rate of \$28,700.00 per annum effective February 1, 1972. The source of funds for this increase is the Reserve for Professional Salaries Account. (RBC 68)

15. Change in Source of Funds. Ronald K. Baba, Teaching Associate, at the rate of \$9,000.00 per annum from Comprehensive Health Planning Training Grant PHS 75504-01-70 Department of Health Services Administration to the Department of Urban Health (General Funds) effective September 1, 1971. The source of funds for this transfer is the vacant Assistant Professor of Urban Health position. (RBC 79)

ADJUNCT FACULTY APPOINTMENTS: The following Adjunct Faculty appointment without salary and without tenure has been recommended by the Dean and approved by the Chancellor.

1. Mr. Howard L. Kusnetz, B.A., M.Sc., B.S.E., Adjunct Associate Professor of Occupational Health

QUARTERLY REPORT OF GIFTS OF LESS THAN \$5,000.00

The quarterly report of gifts of less than \$5,000.00 for the period ending February 29, 1972 has been filed with the Office of the Board of Regents where it is available for reference.

SCHOOL OF PUBLIC HEALTH CATALOGUE: In accordance with the recommendation of the Faculty and the Dean of the School of Public Health, it is requested that the following revisions in the School of Public Health Catalogue be approved for the academic year 1972-73. These revisions have been approved by the Chancellor.

*File
3 copies
See Thelford*

THE UNIVERSITY OF TEXAS
SCHOOL OF PUBLIC HEALTH
AT HOUSTON

Changes to be included in the 1972-73 School of Public Health Catalogue.

Revision of THE ACADEMIC CALENDAR, 1972-73 as follows:

(1)	Sept. 25-29	Registration for Fall Quarter
	Oct. 2	Instruction begins
	Oct. 9	Recess (Columbus Day)
	Oct. 23	Recess (Veterans Day)
	Nov. 23-24	Recess (Thanksgiving)
	Dec. 8	Instruction Ends
	Dec. 11-15	Evaluation period/Registration for Winter Quarter for continuing students
	Dec. 16-Jan. 2	Recess (Christmas and New Year's)
	Dec. 28-29	Registration for Winter Quarter for new students
	Jan. 3	Instruction begins
	March 9	Instruction ends
	March 12-16	Evaluation period/Registration for Spring Quarter for continuing students
	March 17-25	Recess
	March 21-22	Registration for Spring Quarter for new students
	March 26	Instruction begins
	May 28	Recess (Memorial Day)
	June 1	Instruction ends
	June 4-8	Evaluation period
	June 9-24	Recess
	June 25-29	Registration for Summer Quarter
	July 2	Instruction begins
	July 4	Recess (Independence Day)
	Sept. 3	Recess (Labor Day)
	Sept. 7	Instruction ends
	Sept. 10-14	Evaluation period
	Sept. 15-23	Recess
	Sept. 24-28	Registration for Fall Quarter
	Oct. 1	Instruction begins

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For further information write:

Office of the Registrar
The University of Texas at Houston
School of Public Health
P.O. Box 20186
Houston, Texas 77025

- (3) Addition to listing of SCHOOL OF PUBLIC HEALTH ADMINISTRATION as follows:

Reuel A. Stallones, M.D., M.P.H., Dean
Robert Oseason, B.S., M.D., Associate Dean
 Richard D. Remington, M.A., M.P.H., Ph.D., Associate Dean
 Morris R. Loden, B.B.A., Assistant to the Dean
 Mrs. W. Jean Pyle, Registrar
 Mrs. Stephanie Normann, B.A., M.S.L.S., Librarian

- (4) Delete from FACULTY listing the following:

Ronald K. Baba, Teaching Associate in Community Health; B.A., Univ. of So. California, 1967; M. Arch., Univ. of So. California, 1969.

Judy Ann Bean, Teaching Associate in Biometry; A.B., Murray State College, 1963; M.P.H., Univ. of Michigan, 1965.

Patricia A. Buffler, Assistant Professor of Epidemiology; B.S., Catholic Univ. of America, 1960; M.P.H., Univ. of California, Berkeley, 1965.

Michael Cardin, Teaching Associate in Health Services; B.A., Univ. of So. California, 1967; J.D., Univ. of So. California, 1970.

Irina Cechova, Research Assistant; M.S., Univ. of Moscow, 1960.

Virginia C. Kennedy, Teaching Associate in Community Health; B.A., Oberlin College, 1965; M.A., Vanderbilt Univ., 1967.

Edward P. Michalewicz, Teaching Associate in Community Health; B.S., Wisconsin State Univ., 1958; M.S., So. Dakota State Univ., 1960; M.P.H., Univ. of Minnesota, 1966.

Dwayne M. Reed, Associate Professor of Epidemiology; A.B., Univ. of California, Berkeley, 1960; M.P.H., Univ. of California, Berkeley, 1962; Ph.D., Univ. of California, Berkeley, 1969.

Daniel J. Schneider, Associate Professor of Community Health; B.A., Chico State College, 1954; M.D., Univ. of California at Los Angeles, 1958; M.P.H., Univ. of California, Berkeley, 1967.

Jane L. Valentine, Teaching Associate in Environmental Health; B.S., Tennessee A&I State Univ., 1967; M.S., Univ. of Wisconsin, 1969.

- (5) Add to FACULTY listing the following:

Stephen W. Bennett, Associate Professor of Epidemiology; B.A., Stanford Univ., 1957; M.D., Stanford Univ., 1961; M.P.H. & T. M., Tulane Univ., 1963; Dr.P.H., Tulane Univ., 1967.

Benjamin S. Bradshaw, Associate Professor of Demography; B.A., The Univ. of Texas, 1956; M.A., The Univ. of Texas, 1960; Ph.D., Brown Univ., 1968.

Stuart W. Hinds, Associate Professor of Health Services Administration; M.R.C.S., L.R.C.P. (London & England), 1939; M.B., B.S., Univ. of London, 1940; D.T.M.E.H. (London), 1946; M.D., (Tropical Med.), Univ. of London, 1946; M.D. (Internal Med.), Univ. of London, 1947; M.R.C.P. (London), 1947.

Hardy Loe, Jr., Associate Professor of Community Health; M.D., The Univ. of Texas, Galveston, 1955; M.P.H., Univ. of California, Berkeley, 1967.

Owen F. McCrory, Assistant Professor of Health Economics; B.A., Univ. of Bridgeport, 1966.

John A. Napier, Associate Research Biometrician; B.A., Southwestern Oklahoma State College, 1958.

Robert Oseasohn, Professor of Epidemiology; B.S., Tufts College, 1943; M.D., Long Island College of Medicine, 1947.

Marjorie N. Rush, Assistant Professor of Urban Health; B.A., Univ. of Iowa, 1963; M.A., Univ. of Iowa, 1964.

William J. Schull, Professor of Medical Genetics; A.B., Univ. of Alabama, 1945; M.A., Columbia Univ., 1946; M.D., Univ. of Michigan, 1957.

Milton P. Siegel, Professor of International Health.

Clarence Skrovan, Associate Professor of Community Health; B.A., Catholic Univ. of America, 1958; M.D., The Univ. of Texas, Galveston, 1964; M.P.H., The Johns Hopkins Univ., 1966.

James H. Steele, Professor of Environmental Health; D.V.M., Michigan State Univ., 1941; M.P.H., Harvard Univ., 1942.

(6) Delete from ADJUNCT FACULTY listing the following:

Loyall D. Farragut, M.D., M.P.H., Adjunct Professor of Public Health Administration; Chief Health Officer, Harris County, Texas.

Hardy Loe, Jr., M.D., Adjunct Associate Professor of Community Health; Assistant Director, Houston Dept. of Public Health.

(7) Add to ADJUNCT FACULTY listing the following:

Walter P. Abbott, Ph.D., Adjunct Associate Professor of Environmental Health; Assistant Director and Senior Marine Biologist, Gulf Coast Research Laboratory.

Allan H. Levy, M.D., Adjunct Professor of Biomathematics; Director, Computer Science Program, Baylor College of Medicine; Professor, Virology and Epidemiology, Baylor College of Medicine.

Robert M. Thrall, Ph.D., Adjunct Professor of Biomathematics, Professor of Mathematical Sciences, Rice University.

THE UNIVERSITY OF TEXAS
SCHOOL OF PUBLIC HEALTH
AT HOUSTON

- (8) Change TUITION AND FEES section to read as follows:

Each student who registers for a full-time program is required to pay a registration and tuition fee of \$33 per quarter if he is a resident of Texas, \$320 per quarter if he is a U.S. non-resident, or \$133 per quarter if he is a foreign national.

In general, residence in Texas for a person over twenty-one years of age is established if he has been employed within the State for a period of at least twelve months prior to registration in The University. Residence within the State primarily for the purpose of education does not entitle the student to reclassification. (The statute defining Texas residence includes a number of specific exemptions and any case should be evaluated if serious doubt exists.)

Texas residents must pay \$33 per quarter for either a part-time or full-time program. A U.S. non-resident student who enrolls for a part-time program must pay registration and tuition fees reduced proportionately. The minimum quarterly fee for a non-resident is \$80.

If a student is enrolled solely for completion of the thesis or dissertation, the quarterly registration fee is \$8 for Texas residents and \$33 per quarter for all other students.

LATE REGISTRATION FEE

A late registration fee (\$5) will be assessed if registration is filed seven days or more after the first day of instruction.

- (9) Delete from TUITION AND FEES section the following:

Refund of Registration and Tuition Fee for Students Who Withdraw

Any student who withdraws officially before the completion of the fourth week of a term shall be entitled to a refund of the registration and tuition fee according to the following schedule:

Withdrawing During	Texas Residents	Non-Residents
First Week	\$15.00	\$105.00
Second Week	15.00	90.00
Third Week	12.00	60.00
Fourth Week	6.00	30.00

Laboratory Fees

A fee is charged for each laboratory course. In general the fee is \$6.00 per course, but will not exceed \$8.00 in any one term.

- (10) Add section on STUDENT FINANCIAL ASSISTANCE as follows:

This School is granted traineeship funds from the U.S. Public Health Service and other sources. However, only limited funds are available, and the competition for them is quite severe. Traineeships are awarded according to merit and need. Applicants who desire a traineeship should so indicate on the application form. Each application indicating this request will be reviewed and considered for financial assistance. Traineeships are usually allocated during the month of July for the following academic year. Each applicant will be notified of action on his request at the earliest possible date.

The traineeships start at a base of approximately \$2,400 per year, prorated over the calendar year and increase according to prior education, experience, and number of dependents. Trainees must be United States citizens, or foreign nationals having in their possession a visa permitting permanent residence in the United States. Traineeships consist of a monthly stipend plus an allowance for tuition and fees. They may be granted to full-time students only. Trainees are expected to perform only such work as would be an integral part of their training programs.

Some students find part-time employment in the various research programs of the School.

- (11) Add a section on HOUSING to read as follows:

The School of Public Health has no housing for students.

The Texas Medical Center maintains in Favrot Hall efficiency apartments for occupancy by two people. Reservations for space in Favrot Hall are usually made quite far in advance. Rental is approximately \$60 per person per month. Applications can be obtained through the Office of the Registrar, The University of Texas School of Public Health.

Near the Medical Center are numerous apartment complexes with varying facilities and rates. A few apartments are within walking distance and some are on or near bus lines. Students usually have no difficulty finding suitable housing.

THE UNIVERSITY OF TEXAS
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AT HOUSTON

(12) Revision of ACADEMIC PROGRAMS, GENERAL Section

Paragraph 2, 1st sentence delete word "is".

Paragraph 3, 1st sentence substitute the word "activity" for "entity" and "number" for "series".

Add paragraphs 4 through 10.

The revised section on ACADEMIC PROGRAMS, GENERAL Section to read as follows:

Four courses comprise a full program of study. Usually a course consists of a combination of discussion periods, directed reading, and individual study and inquiry. In all courses grading is on a pass/fail basis.

To fulfill their responsibilities in teaching, research, and service, the faculty of the School depend heavily upon the community, looking upon it as a living laboratory. This constitutes a major resource for the students, affording them an opportunity to observe, to consider, and to evaluate problems and programs that exist in fact as well as in theory.

In this School, public health is regarded as an interdisciplinary activity characterized by a number of important problems, e.g., population growth, preservation of an environment consistent with human survival, and improved organization and availability of health services to all segments of society. We believe that an interdisciplinary, problem-centered field requires an academic structure serving that fundamental idea. For that reason, the basic organizational unit of the School is the teaching-research unit, a group of faculty members and graduate students who, with supporting technical and clerical personnel, work together as a learning community investigating an important area of public health concern. This modular structure serves to bring teaching and research together physically and organizationally, as well as conceptually, under a common umbrella, learning. We believe this encourages development of student and faculty capabilities and initiative; promotes studies that are comprehensive, yet not superficial; encourages close, cooperative relations between faculty and students; and enhances communications between persons with different disciplinary backgrounds.

Since much of a student's program is conducted in close cooperation with a faculty advisor, each prospective applicant should consider carefully the structure of the school and indicate in his application as definitely as possible where he believes his interests would best be served.

A student may fulfill the requirements for M.P.H. or Dr.P.H. degrees in any of the Teaching-Research Programs. Each is planned to contain the requisite breadth of faculty interests and skills to serve the needs of students interested in community health practice. The faculties in each discipline are responsible for M.S. and Ph.D. programs. These are given in community health sciences, but the disciplines identify selected areas of concentration within the broader field.

Faculty assignments within the matrix are neither permanent nor mutually exclusive. Where faculty interests extend beyond these boundaries, the boundaries are considered not to exist. This arrangement was developed for and serves well the teaching and research activities within the School, but is not suited for administrative functions. These are managed by four standing committees of students and faculty.

The Academic Affairs Committee deals with curricula, courses, problems that arise between faculty and students, and similar concerns.

The Admissions Committee reviews applications for admission.

The Committee on Planning, Development and Research is concerned with long range planning, relations between the School and other institutions, and review of proposed research programs.

The Operations Committee handles day to day problems of allocation of space and resources.

- (13) Add THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH MODULES MATRIX as shown below:

THE UNIVERSITY OF TEXAS SCHOOL OF PUBLIC HEALTH
MODULES MATRIX

DISCIPLINES	PROBLEM ORIENTED TEACHING-RESEARCH PROGRAMS					
	Health Services	Urban Health	Population Studies	Environmental Health	International Health	Disease Control
Administrative Sciences	Loe	<u>Atkisson</u> Cardin	Sterner*	Baird	<u>Siegel</u>	Escutia
Behavioral Sciences	Gebhardt <u>Justice</u> McCrary	Baba Martin* Rush	Bradshaw Roberts		Walker	
Biological & Physical Sciences	Hinds Skrovan*	Heideman	Hacker Schull	Cechova <u>Chambers</u> Davis, Eitzen Gesell, Pier Severs, Smolensky Steele, Valentine		Boyd Hayes Kokernot <u>Scanlon</u>
Biometry	Forthofer Glasser Hemphill	Littell	<u>Frankowski</u> Lee	Downs	Hawkins	Bean Hsi Napier Remington*
Epidemiology	Askew Oseasohn Sakellarides	Stallones		Bennett	Silberberg	Labarthe* Schulman

N.B. The persons whose names are underlined are designated as Module Conveners, to provide an explicit mechanism for communications within the modules. The persons whose names are marked by an asterisk are the Discipline Conveners.

THE TEACHING-RESEARCH UNITS

- (14) Delete the CHRONIC DISEASE CONTROL unit as follows:

CHRONIC DISEASE CONTROL

The Problem: Chronic Diseases are major causes of death and disability. For many of them the basic knowledge on which control measures might be based is lacking.

The Staff

Judy Ann Bean
Patricia A. Buffler
Richard D. Remington

Major Research Activities

Coronary Artery Disease
Hypertension
Cerebral Vascular Disease
Cancer
Drug Abuse and Alcoholism
Community Mental Health

- (15) Delete the INFECTIOUS DISEASES CONTROL unit as follows:

INFECTIOUS DISEASES CONTROL

The Problem: Despite the great success that has attended infectious disease control activities, serious problems remain. To understand them and develop ways to deal with them require the efforts of microbiologists, entomologists, parasitologists, epidemiologists, and people who are experts in disease control programs.

The Staff

Kenneth Boyd
Virgilio Escutia
Jack Hayes
Bartholomew Hsi
Robert Kokernot

Major Research Activities

Arthropod-Borne Viruses
Parasitic Diseases
Laboratory Methods
Bioassay

- (16) Add the DISEASE CONTROL unit as follows:

DISEASE CONTROL

The Problem: A central concern of organizations concerned with public health is, and will continue to be, the problem of control of human disease. In the more developed nations, including the United States, chronic diseases are major causes of death and disability. For many or most of these diseases the basic knowledge on which control measures might be based is lacking. Further, despite the great successes that have attended infectious disease control activities in the last century, serious problems remain even

in the more industrialized societies; and elsewhere, particularly, in the tropics, infectious diseases are the major cause of human morbidity and mortality. To understand disease processes and to develop ways to deal with them require the efforts of microbiologists, entomologists, parasitologists, epidemiologists, and others, acting not as individual experts but as participants in an integrated, cooperative effort.

The Staff:

Judy A. Bean
Kenneth R. Boyd
Virgilio Escutia
Jack Hayes
Bartholomew P. Hsi
Robert H. Kokernot
Darwin R. Labarthe
John A. Napier
Richard D. Remington
John E. Scanlon
Diane E. Schulman

Major Research Activities:

Anthropod-Borne Viruses
Bioassay
Cancer
Cerebral Vascular Disease
Community Mental Health
Coronary Artery Disease
Hypertension
Laboratory Methods
Mosquito Bionomics
Parasitic Diseases

- (17) Change ENVIRONMENTAL HEALTH Unit Staff Listing as follows:

The Staff:

Valliant C. Baird
Stephen W. Bennett
Irina Cechova
Leslie A. Chambers
Ernst M. Davis
Thomas D. Downs
Harold E. Eitzen
Thomas F. Gesell
Stanley M. Pier
Richard K. Severs
Michael H. Smolensky
James H. Steele
Jane L. Valentine

- (18) Delete the following names from the ENVIRONMENTAL HEALTH Unit Staff Listing:

Darwin R. Labarthe
 James H. Sterner

- (19) Change the HEALTH SERVICES Unit to read as follows:

HEALTH SERVICES

The Problem: The organization, financing, and availability of health services provide the central emphasis of this module. Issues include planning, administration, monitoring, and evaluation of current and alternative community health care systems and their components.

The Staff:

Cornelius Askew, Jr.
 Ronald N. Forthofer
 Jay H. Glasser
 Fay M. Hemphill
Stuart W. Hinds
 D. Blair Justice
Hardy Loe, Jr.
Owen F. McCrory
Robert Oseasohn
Clarence Skrovan

Major Research Areas:

Community Health Services
 Comprehensive Health Planning
 Health Manpower
 Management Principles
 Personal Health Service Systems
Quantitative Methods in Health Services Research
 Violence

- (20) Delete the following names from the HEALTH SERVICES Unit Staff Listing:

Virginia C. Kennedy
 Edward P. Michalewicz
 Daniel J. Schneider
 George M. Walker, Jr.

- (21) Amend the title of INTERNATIONAL AND ETHNIC STUDIES as follows:

INTERNATIONAL HEALTH AND ETHNIC STUDIES

- (22) Delete the word "optimal" from sentence two (2), paragraph one (1) of the INTERNATIONAL HEALTH AND ETHNIC STUDIES Unit.

- (23) Delete the following from the last sentence in paragraph one (1) of the INTERNATIONAL HEALTH AND ETHNIC STUDIES Unit.

"as is understanding of the ecology and dynamics of disease systems (such as malaria and yellow fever) which are important in some parts of the world although not in the United States."

- (24) Change the INTERNATIONAL HEALTH AND ETHNIC STUDIES Unit Staff Listing as follows:

The Staff:

C. Morton Hawkins
Milton P. Siegel
Yaal Silberberg
George M. Walker, Jr.

- (25) Delete the following names from the INTERNATIONAL HEALTH AND ETHNIC STUDIES Unit Staff Listing:

Dwayne Reed
John Scanlon

- (26) Change the POPULATION STUDIES Unit Staff Listing as follows:

The Staff:

Benjamin S. Bradshaw
Ralph F. Frankowski
Carl S. Hacker
Eun Sul Lee
Robert E. Roberts
William J. Schull
James H. Sterner

- (27) Change the URBAN HEALTH Unit, The Problem as follows:

URBAN HEALTH

The Problem: Urbanization and the rapid growth of large and densely populated metropolitan communities have established the need to examine the influence of urban and metropolitan habitats on human health. Thus, urban health is concerned with the interactions between man and the urban ecosystems, and with development and management of these interactions so as to promote human health.

The Staff:

Arthur A. Atkisson
Ronald K. Baba
Michael Cardin
M. Lawrence Heideman
Arthur S. Littell
David W. Martin
Marjorie N. Rush
Reuel A. Stallones

Major Research Activities;

Health Service Systems
Management of Urban Environments
Urban Design

- (28) Change the section DEGREE PROGRAMS, paragraph one, sentence three from:

"Only by this approach can the interrelations between the varied components be perceived and understood."

to:

"Only by this approach can the interrelations among the numerous components be perceived and understood."

- (29) Change section DEGREE PROGRAMS, paragraph one, sentence four from:

"Thus, although teaching and research may be directed toward a fraction of the total system, the concept must be preserved that this fractionation is artificial and is effected only for convenience in attacking a problem."

to:

"Even though teaching and research must be directed toward only a fraction of the total system, the concept must be preserved that this fractionation is artificial and is effected only for convenience in attacking a problem."

- (30) Change MASTER OF PUBLIC HEALTH (M.P.H.) section as follows:

MASTER OF PUBLIC HEALTH

The Master of Public Health (M.P.H.) degree is the basic professional degree in the field. It is required for many supervisory and managerial positions in public health and is recommended for many others.

- (31) Add to MASTER OF PUBLIC HEALTH after DEGREE REQUIREMENTS the following sentence:

"Each student will be affiliated with one of the teaching-research units listed on pages 18 through 22 and will ordinarily do most of his work with that unit."

- (32) Delete from MASTER OF PUBLIC HEALTH (M.P.H.) the following:

A number of fields of concentration will be offered:

Comprehensive Health Planning
Health Services Administration
International Health
Occupational Health
Urban Health

- (33) Change DOCTOR OF PUBLIC HEALTH, ADMISSION REQUIREMENTS, first sentence as follows:

Prior master's degree or equivalent preparation, and

- (34) Add to DOCTOR OF PUBLIC HEALTH degree section the following:

A number of fields of concentration are offered:

Disease Control
 Comprehensive Health Planning
 Environmental Health
 Health Services Administration
 International Health
 Occupational Health
 Urban Health

- (35) Change DOCTOR OF PUBLIC HEALTH (Dr.P.H.), ADVISORY COMMITTEE paragraph as follows:

ADVISORY COMMITTEE

"A committee of at least three members of the regular faculty, including a principal advisor, will be appointed at the time a student enters the Dr.P.H. program to advise the candidate in preparation for the qualifying examination and to administer the examination."

- (36) Change DOCTOR OF PUBLIC HEALTH (Dr.P.H.), THESIS COMMITTEE paragraph as follows:

THESIS COMMITTEE

"A committee of at least three members of the regular faculty, including a principal advisor, will be appointed to guide the candidate's research. The thesis requirement will be fulfilled after a successful, open oral defense of the dissertation, signature of the thesis by all members of the thesis committee, and filing of the signed copy in the Dean's Office.

- (37) Change MASTER OF SCIENCE (M.S.) section on "A number of fields of concentration will be offered" as follows:

A number of fields of concentration will be offered:

Biometry
 Environmental Health
 Epidemiology
Medical Ecology

- (38) Delete the following from the MASTER OF SCIENCE (M.S.) section on "A number of fields of concentration will be offered"

Computer Sciences
 Entomology
 Microbiology
 Parasitology
 Population Studies
 Social Sciences

- (39) Delete from DOCTOR OF PHILOSOPHY, paragraph one, sentence two the words "various aspects". The sentence to read as follows:

"Curricula leading to this degree will be offered in the health sciences related to community health."

- (40) Add to DOCTOR OF PHILOSOPHY program after DEGREE REQUIREMENTS Section the following:

A number of fields of concentration are offered:

Behavioral Sciences
Biometry
Environmental Health
Epidemiology
Medical Ecology

- (41) Change DOCTOR OF PHILOSOPHY, ADVISORY COMMITTEE as follows:

ADVISORY COMMITTEE

"A committee of at least three members of the regular faculty, including a principal advisor and representation from faculty members in the minor fields of concentration, will be appointed at the time a student enters the Ph.D. program to advise the candidate and to administer the examination."

- (42) Change DOCTOR OF PHILOSOPHY, THESIS COMMITTEE as follows:

THESIS COMMITTEE

"A committee of at least three members of the regular faculty, including a principal advisor and representation from the faculty in the minor fields of concentration, will be appointed to guide the candidate's research. The thesis requirement will be fulfilled after a successful, open oral defense of the dissertation, signature of the thesis by all members of the thesis committee, and filing of the signed copy in the Dean's Office."

- (43) Add section entitled OTHER SPECIAL PROGRAMS as follows:

OTHER SPECIAL PROGRAMS

A cooperative program has been developed with the Schools of Architecture of The University of Texas at Austin and Rice University. Candidates for the Master of Architecture degree in these schools may pursue programs in cooperation with the School of Public Health that emphasize health facilities planning and health concerns in urban and environmental design.

- (44) Medical students whose curricula allow sufficient electives may arrange to fulfill the requirements for a master's degree in the School of Public Health within the time allotted for the medical degree program.

- (45) Delete from ELIGIBILITY FOR ADMISSION Section, paragraph three, sentence two the following:

"for this reason"

- (46) Add to ELIGIBILITY FOR ADMISSION Section, paragraph three, sentence two the following:

"by reason of inappropriate background."

The sentence should read as follows:

"Insofar as possible, any applicant refused admission by reason of inappropriate background will be advised as to the nature of the deficiencies and how they may be remedied."

Delete from all courses the parenthetical notation as shown below:

"(F), (W), (Sp)"

Delete course number PH 538 as follows:

PH 538 SPECIAL TOPICS IN MEDICAL ENTOMOLOGY	The Faculty in Infectious Disease Control
---	---

Topics will vary from quarter to quarter, to provide intensive study of selected arthropod-borne diseases of public health importance, such as malaria, filariasis and dengue. Work will involve group discussions and laboratory sessions as appropriate. Additional topics may include the genetics, ecology, and biology of selected groups of arthropods of public health importance. May be repeated for credit.

Delete course number PH 539 as follows:

PH 539 INDIVIDUAL STUDY IN MEDICAL ENTOMOLOGY	The Faculty in Infectious Disease Control
---	---

May be repeated for credit.

Delete course number PH 578 as follows:

PH 578 SPECIAL TOPIC IN PARASITOLOGY	Hacker
--------------------------------------	--------

May be repeated for credit.

Delete course number PH 579 as follows:

PH 579 INDIVIDUAL STUDY IN PARASITOLOGY	Hacker
---	--------

May be repeated for credit.

Change course number PH 100 as follows:

PH 100 THE BASES OF COMMUNITY HEALTH	The Faculty
--------------------------------------	-------------

The core program is equivalent to two regular courses and will be given in the fall quarter. All master's degree candidates are expected to enroll in this program unless specifically exempted. The program is designed to express the commonality of the many facets of community health, and to present an integrated view of the biological, physical, and cultural bases of health-related concerns. One-third of the program will be devoted to the biology and culture of human populations, one-third to methods of measurements, and one-third to community health programs.

Change course number PH 111 as follows:

PH 111 HEALTH SERVICES ADMINISTRATION Walker, Loe

Systems for provision of health services, studied from the viewpoint of administrative theory and practice and organizational behavior.

Change course number PH 112 as follows:

PH 112 HEALTH SERVICES ADMINISTRATION Walker, Loe

Continuation of PH 111.

Change course number PH 121 as follows:

PH 121 COMPREHENSIVE HEALTH PLANNING The Faculty in Health Services

A series of dialogues and discussions to introduce students to a) the body of knowledge, skills, and methods utilized in the planning process and b) the strategies active in the field today.

Change course number PH 122 as follows:

PH 122 COMPREHENSIVE HEALTH PLANNING The Faculty in Health Services

Continuation of PH 121.

Change course number PH 151 as follows:

PH 151 ENVIRONMENTAL HEALTH/OCCUPATIONAL HEALTH Sterner

Special consideration in the administration of health services provided for groups selected by occupation.

Change course number PH 198 as follows:

PH 198 SPECIAL TOPICS IN COMMUNITY HEALTH The Faculty in Health Services

Topics will vary from quarter to quarter to provide intensive study of special aspects of community health. May be repeated for credit.

Change course number PH 199 as follows:

PH 199 INDIVIDUAL STUDY IN COMMUNITY HEALTH The Faculty in Health Services

May be repeated for credit.

Change course number PH 211 as follows:

PH 211 BIOMETRY

The Faculty in
Biometry

This course is the basic course in biometry. Topice will include the construction of graphs and tabulation of data, descriptive statistical procedures, elementary concepts in probability, estimation, inference, hypothesis testing, and measures of association. This course will be offered within each module and applications of methods will be directed at the content area of each module.

Change course number PH 212 as follows:

PH 212 BIOMETRY

The Faculty in
Biometry

This course is a continuation of PH 211. Topics include data analysis, correlation analysis, regression analysis (simple linear, multiple, and stepwise), the analysis of variance (general one-factor, two-factor, latin square, factorial designs, and orthogonal comparisons of marginal means), the analysis of covariance, and distribution-free and nonparametric methods.

Change course number PH 298 as follows:

PH 298 SPECIAL TOPICS IN BIOMETRY

The Faculty in
Biometry

Topics will vary from quarter to quarter to provide intensive study of selected theory and methods. May be repeated for credit.

Change course number PH 511 as follows:

PH 511 PUBLIC HEALTH MICROBIOLOGY

Escutia

Laboratory approaches in the diagnosis, control, and treatment of infectious diseases of man. The course will consist of lectures and laboratory dealing with the diagnostic procedures used in a public health laboratory, with emphasis in bacteriology and syphilis serology.

Change course number PH 512 as follows:

PH 512 PUBLIC HEALTH LABORATORY ADMINISTRATION

Escutia

The organization and function of the laboratory in public health practice. The course will focus on the administrative concerns and application of some managerial tools to the public health laboratory.

Change course number PH 532 as follows:

PH 532 MEDICAL ENTOMOLOGY Scanlon, Hacker

Methods used in laboratory and field investigations of arthropod-borne diseases.

Change course number PH 611 as follows:

PH 611 INTRODUCTION TO INTERNATIONAL HEALTH The Faculty in
International
Health

An examination of the role of the World Health Organization, the Pan American Health Organization, national, and private agencies in the administration and provision of health care on a worldwide basis. An examination of the regulations governing health relations among the countries of the world.

Change course number PH 698 as follows:

PH 698 SPECIAL TOPICS IN INTERNATIONAL HEALTH The Faculty in
International
Health

Topics will vary from quarter to quarter, to provide intensive study of selected problems related to international health. May be repeated for credit.

Add course number PH 152 as follows:

PH 152 ENVIRONMENTAL HEALTH/OCCUPATIONAL HEALTH Sterner

Continuation of PH 151.

Add course number PH 161 as follows:

PH 161 POWER STRUCTURES AND COMMUNITY HEALTH Justice

An examination, with case histories, of how plans and ideas get converted into public programs, policy, and action, and the roles played by various power structures. Particular attention will be paid to health-related issues.

Add course number PH 220 as follows:

PH 220 SURVEY SAMPLING Littell

Probability and nonprobability sampling, simple random, stratified, cluster, and multistage sampling; ratio and regression estimation; optimal allocation; nonsampling and nonresponse errors; specific health surveys as examples.

Add course number PH 225 as follows:

PH 225 DISTRIBUTION-FREE METHODS*

Hsi

Computational procedures and theoretical considerations of various distribution-free (nonparametric) methods, properties of distribution functions, Kolmogorov-Smirnov tests, run tests, rank sum tests, nonparametric analysis of variance, rank correlation, contingency tables, distribution-free confidence intervals.

Add course number PH 230 as follows:

PH 230 BIOASSAY

Hsi

Statistical inference and experimental design for Poisson variables in counting of microorganisms or radioactivity, mixed Poisson distributions, serial dilutions, direct and indirect assays, quantal assays tests on response time.

Add course number PH 241 as follows:

PH 241 DEMOGRAPHY I

Roberts, Lee

Introduction to basic concepts, substantive research, and research techniques in the field of population studies. Topics will include demographic data sources, collection and processing of demographic data, measures of the demographic processes (births, deaths, migration), analysis of determinants and consequences of population change, an examination of U. S. and international population patterns and trends.

Add course number PH 242 as follows:

PH 242 DEMOGRAPHY II

Roberts, Lee,
Frankowski

Advanced analytic techniques in demographic research with special reference to current population problems and policy issues. Topics include reproduction process, life table, stationary and stable population, population estimates and projections, and methods of estimation for areas which do not have well-developed statistical reporting systems.

Add course number PH 251 as follows:

PH 251 BIOMETRIC METHODS I

Remington

The first of a three quarter sequence of courses in biometric theory and methods, primarily for students specializing in biometry. Probability; discrete and continuous random variables and their distributions; expected values and moments; computer programming, computation, and applications. Students are advised not to register for less than the full three quarters of this sequence.

Add course number PH 252 as follows:

PH 252 BIOMETRIC METHODS II

Remington

A continuation of PH 251. Point estimation, interval estimation, hypothesis testing, matrices, the multivariate normal distribution, computation and applications.

Add course number PH 253 as follows:

PH 253 BIOMETRIC METHODS III

Remington

A continuation of PH 252. Regression and correlation, contingency table analysis, analysis of variance and covariance, order statistics, distribution-free methods.

Add course number PH 261 as follows:

PH 261 LINEAR MODELS*

Downs

Mathematical and statistical preliminaries; quadratic forms, least squares, the Gauss-Markov theorem, geometric interpretations; the general linear hypothesis, estimation, reliability of estimators, tests of hypotheses; computing techniques and applications. Students will carry out computational techniques on an electronic computer.

Add course number PH 262 as follows:

PH 262 LINEAR MODELS II*

Downs

A continuation of PH 261. Fitting of polynomials and Fourier Series to sets of data; regression analysis; analysis of variance: fixed, mixed, and random models -- their applications and interpretations; analysis of covariance; application of linear techniques to nonlinear models; computation and applications.

Add course number PH 265 as follows:

PH 265 QUANTITATIVE METHODS IN HEALTH SERVICES

Glasser,
Forthofer

Statistical methods primarily of use to the analysis of health service data will be presented. This includes a review of well-known biometric techniques and additionally the use of principal components, cluster analysis, and categorical data analysis. The material will be presented in the context of current health service research projects. Individual projects using the data resources of the Kaiser-Utilization or similar data sources will be required.

Add course number PH 271 as follows:

PH 271 MULTIVARIATE ANALYSIS I

Frankowski, Downs

Designed to introduce the student to the theory and application of multivariate statistical analysis. Geometric development, generalized matrix inverse, spectral decomposition, multivariate normal distribution, correlation, maximum likelihood estimation, general linear model, computation and applications.

Add course number PH 272 as follows:

PH 272 MULTIVARIATE ANALYSIS II

Frankowski, Downs

A continuation of PH 271. Wishart distribution, generalization of univariate statistical procedures, discrimination and classification, computation and applications.

Add course number PH 273 as follows:

PH 273 MULTIVARIATE ANALYSIS III

Frankowski, Downs

A continuation of PH 272. Computer applications, multivariate analysis of variance, principal component analysis, and canonical correlation theory.

Add course number PH 275 as follows:

PH 275 STOCHASTIC LIFE TABLE THEORY

Frankowski

An introduction to the development of life table analysis as an application of stochastic processes. Theory and application of complete and abridged life tables, competing risk models, analytical procedures for medical follow-up studies.

Add course number PH 281 as follows:

PH 281 ANALYSIS OF VARIANCE AND FACTORIAL EXPERIMENTS I*

Frankowski

A two term sequence designed primarily for students specializing in biometry. Matrix calculus; noncentral distributions; consideration of several mathematical bases underlying the analysis of variance: Cochran's Theorem, geometric approach, randomization theory; factorial structure of units and treatments; applications. Students are advised not to register for only one term of the sequence.

Add course number PH 282 as follows:

PH 282 ANALYSIS OF VARIANCE AND FACTORIAL
EXPERIMENTS II*

Frankowski

A continuation of PH 281. Incomplete blocks, the algebraic basis for incomplete factorials, complete and partial confounding fractional replication, split plot designs, lattice designs, balanced and partially balanced incomplete block designs, applications.

Add course number PH 514 as follows:

PH 514 IMMUNOLOGY

Boyd

This course covers basic principles and concepts in immunology in order to provide a basis for understanding immune phenomena as they are related to public health. Laboratory exercises are planned to demonstrate several of these principles and to familiarize the student with basic serologic tests used in the detection of antigen-antibody reactions.

Add course number PH 588 as follows:

PH 588 SPECIAL TOPICS IN MEDICAL ZOOLOGY

The Faculty in
Medical Zoology

Topics will vary from quarter to quarter, to provide intensive study of selected parasitic diseases of public health importance, their vectors, and intermediate hosts. Work will involve group discussions and laboratory sessions as appropriate. Additional topics will cover biological methods necessary to understanding the host-parasite relationship.

Add course number PH 589 as follows:

PH 589 INDIVIDUAL STUDY IN MEDICAL ZOOLOGY

The Faculty in
Medical Zoology

May be repeated for credit.

Add course number PH 699 as follows:

PH 699 INDIVIDUAL STUDY IN INTERNATIONAL HEALTH

The Faculty in
International
Health

May be repeated for credit.

Add course number PH 711 as follows:

<u>PH 711 SOCIAL AND BEHAVIORAL ASPECTS OF COMMUNITY HEALTH</u>	<u>The Faculty in Behavioral Science</u>
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This course is designed to provide the student with basic theoretical concepts and substantive findings of social-behavioral science in the context of community health. These include basic theories and research from fields of sociology, social psychology, psychology, economics, political science, geography, anthropology, and related fields of social-behavioral science.

Add course number PH 798 as follows:

<u>PH 798 SPECIAL TOPICS IN BEHAVIORAL SCIENCE</u>	<u>The Faculty in Behavioral Science</u>
--	--

Topics will vary from quarter to quarter, to provide intensive study of selected social-behavioral science topics or specific methods of analysis in the field of public health. PH 798 is intended for students with either a major or minor in social-behavioral science and may be repeated for credit.

Add course number PH 799 as follows:

<u>PH 799 INDIVIDUAL STUDY IN BEHAVIORAL SCIENCE</u>	<u>The Faculty in Behavioral Science</u>
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May be repeated for credit.

Add course number PH 811 as follows:

<u>PH 811 HEALTH AND URBAN ECOLOGY I</u>	<u>The Faculty in Urban Health</u>
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Characteristics of the urban ecosystem with emphasis on the urban factors of possible relevance to health outcomes. Examination of the sources of information concerning urban factors, the origin and growth of cities, and the health significance of the several scholarly perspectives of the city, including those which view the city separately as: 1) a demographic-spatial phenomenon, 2) a system of artifacts and specialized land uses, 3) a physical phenomenon, 4) an economic phenomenon, 5) an institutional phenomenon, 6) a set of service delivery systems, and 7) an arena for intergroup and interpersonal conflict.

Add course number PH 812 as follows:

PH 812 HEALTH AND URBAN ECOLOGY II

The Faculty in
Urban Health

Examination of the impact of the urban exosystem on man through a focus on the major scientific literature in the field. Consideration of the health outcomes associated with life in urban places, health-disturbing stressors within the urban milieu, the identifications and distribution of risks and population-at-risk within urban communities, the sub-environments of metropolitan communities and their impact on human health and problems associated with the design and conduct of urban ecologic studies.

Add course number PH 813 as follows:

PH 813 HEALTH AND URBAN ECOLOGY III

The Faculty in
Urban Health

A continuation of PH 812. Emphasis on conduct of empirical studies in urban ecology and on development of protocol for team research project in the field.

Add course number PH 819 as follows:

PH 819 HEALTH ASPECTS OF URBAN DESIGN I

Heideman, Baba

Implications of homocentric, health-related determinants to urban design processes and decisions, particularly macro-urban design: the impact of large-scale physical design decisions on the biophysical and psychosocial health of urban populations. The introduction of health-related information into the urban design process.

Add course number PH 820 as follows:

PH 820 HEALTH ASPECTS OF URBAN DESIGN II

Heideman, Baba

Implications of homocentric, health-related determinants to urban design processes and decisions, particularly micro-urban design: health implications of design decisions made at the level of single structures and specialized places. The elements of housing quality. Analysis of the literature of human responses to various environmental variables controllable through decisions made by the architect and others in the design of a structure.

Add course number PH 821 as follows:

PH 821 HEALTH ASPECTS OF URBAN DESIGN III

Heideman, Baba

Implications of homocentric, health-related determinants to urban design processes and decisions, particularly planning and programming health facilities: planning and policy processes which take place both prior and subsequent to the award of architectural commission for design of health facilities. The development of health care programs and the physical facilities required by these programs, budgetary and financial processes associated with physical facility decisions, and functional analysis of health facilities.

Add course number PH 898 as follows:

PH 898 SPECIAL TOPICS IN URBAN HEALTH

The Faculty in
Urban Health

Topics will vary from quarter to quarter, to provide intensive study of selected problems related to urban health. May be repeated for credit.

Add course number PH 899 as follows:

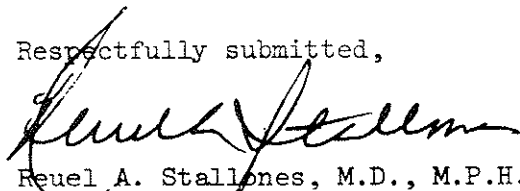
PH 899 INDIVIDUAL STUDY IN URBAN HEALTH

The Faculty in
Urban Health

May be repeated for credit.

*The asterisk shown after the courses means that they will not be offered in the 1972-73 academic year.

Respectfully submitted,



Reuel A. Stallones, M.D., M.P.H.
D E A N

THE UNIVERSITY OF TEXAS NURSING SCHOOL
(SYSTEM-WIDE)
Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

March 28, 1972

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

Dear Chancellor LeMaistre:

The following docket is submitted for your approval and presentation to the Board of Regents at its meeting in Austin on April 29, 1972:

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET

Undergraduate Nursing School at El Paso

Transfer of Funds

1. Amount of Transfer - \$3,000

To: Travel

From: Planning and development of new student programs and facilities

To provide funds for travel for the remainder of the year.

(RBC# N-77)

Undergraduate Nursing School in Tarrant County

1. Change the status of Myrna Rae Pickard (tenure) from Acting Associate Dean and Assistant Professor, at a salary rate of \$14,200 for 12 months, to Associate Dean and Professor, at a salary rate of \$18,200 for 12 months, effective February 1, 1972. Source of Funds: Planning for Fort Worth Nursing School. (RBC#N-80)

2. Appoint Frances Arlene Jarrett (non-tenure) as Assistant Instructor, at a salary rate of \$8,500 for 9 months, effective January 1, 1972. Source of Funds: Planning for Fort Worth Nursing School. (RBC# N-67)

Clinical Nursing School at Galveston

1. Appoint Enid Katherine Anderson (non-tenure) as Assistant Instructor, at a salary rate of \$7,500 for 9 months, effective January 16, 1972. Source of Funds: Teaching Salaries - Clinical Nursing School at Galveston. (RBC# N-74)

RECOMMENDED AMENDMENTS TO THE 1971-72 BUDGET (continued)Undergraduate Nursing School at Austin

1. Accept the resignation of Elizabeth Jones (non-tenure) as Assistant Professor, at a salary rate of \$12,000 for 9 months, effective February 29, 1972. (RBC# N-81)

Houston Nursing School

1. Appoint Elizabeth Jones (tenure) as Associate Dean and Professor, at a salary rate of \$24,000 for 12 months, effective March 1, 1972.
Source of Funds: Planning for Houston Nursing School. (RBC# N-82)

2. Appoint Barbara Sue Sims (non-tenure) as Instructor, at a salary rate of \$11,500 for 9 months, effective January 16, 1972.
Source of Funds: Planning for Houston Nursing School. (RBC# N-75)

Sincerely yours,

Marilyn D. Willman

Marilyn D. Willman
Dean

LAND AND INVESTMENT REPORT

Meeting of April 29, 1972

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LAND AND INVESTMENT REPORT

For Month Ended February 29, 1972

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 February, 1972. 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 8/31/71	BOOK YIELD 8/31/71	BOOK VALUE 2/29/72	BOOK YIELD 2/29/72
<u>DEBT SECURITIES:</u>				
U. S. Government Obligations--				
U.S. Treasury Bonds	\$107,723,291.67	4.26%	\$106,537,727.60	4.30%
Government Agencies	5,438,875.36	6.81	21,304,685.27	6.95
FHA Mortgages	15,622,444.51	6.83	16,261,778.71	6.86
TOTAL-U.S. Government Obligations	128,784,611.54	4.68	144,104,191.58	4.98
Corporate Bonds	234,360,279.62	4.91	234,866,281.93	4.93
TOTAL-DEBT SECURITIES	363,144,891.16	4.83	378,970,473.51	4.95
<u>EQUITY SECURITIES :</u>				
Convertible Debentures	14,933,307.87	4.97	13,910,856.79	5.15
Conv. Preferred Stocks	15,848,192.03	4.16	15,848,192.03	4.16
Common Stocks	184,688,881.95	4.30	194,931,904.54	4.28
TOTAL-EQUITY SECURITIES	215,470,381.85	4.34	224,690,953.36	4.33
TOTAL-LONG TERM INVESTMENTS	578,615,273.01	4.65	603,661,426.87	4.72
<u>CASH & EQUIVALENT:</u>				
Commercial Paper	15,750,000.00	5.45	7,840,000.00	4.82
Investment Transactions--				
Accounts Receivable	-0-		369,007.15	
Accounts Payable	-0-		2,391.20	
Cash	483,744.55		765,698.68	
TOTAL-CASH & EQUIVALENT	16,233,744.55		8,977,097.03	
TOTAL-SECURITIES, CASH & EQUIVALENT	\$594,849,017.56	4.67%	\$612,638,523.90	4.71%

SUMMARY OF TRANSACTIONS
February 29, 1972

	<u>Cost</u>		<u>Current Yield</u>
Purchases:			
U.S. Government Agency Obligations:			
GNMA Various Pools	\$4,561,860.18		6.94%
Corporate Bonds	298,293.52		7.36
Common Stocks and Warrants	<u>1,831,910.00</u>		<u>3.94</u>
 TOTAL LONG TERM PURCHASES	 <u>\$6,692,063.70</u>		 <u>6.16%</u>
	<u>Proceeds</u>	<u>Gain or (Loss)</u>	<u>Current Yield</u>
Sales:			
U.S. Government Agency Obligations:			
GNMA Principal Payments	\$ 42,828.11	(\$ 1,958.86)	6.68%
FHA Mortgages	47,302.39	-0-	6.86
Corporate Bonds	872,000.00	9,964.63	7.58
Common Stocks	<u>1,834,669.98</u>	<u>(389,605.82)</u>	<u>5.05</u>
 TOTAL LONG TERM SALES	 <u>\$2,796,800.48</u>	 <u>(\$381,600.05)</u>	 <u>5.90%</u>

BOND EXCHANGES

Par Exchanged	Increase In
\$9,647,000.00	Annual Income
	\$15,101.71

PERMANENT UNIVERSITY FUND BOOK VALUE

January 31, 1972 Balance	\$611,301,513.01
Additions (February, 1972)	
Realized Net Gain (Loss) on Security Transactions	(\$ 381,600.05)
From General Land Office	<u>1,718,610.94</u>
February 29, 1972 Balance	<u>\$612,638,523.90</u>

INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Cost	Current Yield
<u>U.S. GOVERNMENT AGENCY OBLIGATIONS:</u>				
\$1,000,000.00	GNMA, Pool #832, 6-1/2%, due 1/15/02	95.50	\$ 955,000.00	6.95%
1,850,000.00	GNMA, Pool #1252, 6-1/2%, due 1/15/02	95.50	1,766,750.00	6.95
1,921,786.09	GNMA, Pool #1003, 6-1/2%, due 2/15/02	95.75	<u>1,840,110.18</u>	<u>6.93</u>
TOTAL - U. S. Government Agency Obligations			<u>4,561,860.18</u>	<u>6.94</u>
<u>CORPORATE BONDS:</u>				
30,000.00	Appalachian Power Co., 1st Mtge., 4%, due 5/1/88	66.782	20,034.60	7.60
15,000.00	Baltimore Gas & Electric Co., SF Debs., 4-5/8%, due 8/1/90	71.50	10,725.00	7.50
5,000.00	Baltimore Gas & Electric Co., 1st Ref. Mtge. SF, 4-3/8%, due 7/15/92	70.033	3,501.65	7.20
7,000.00	Carolina Power & Light Co., 1st Mtge., 4-1/2%, due 7/1/94	66.89	4,682.30	7.60
50,000.00	Consolidated Natural Gas Co., Debs., 4-3/4%, due 9/1/90	74.95	37,475.00	7.22
10,000.00	Consumers Power Co., 1st Mtge., 4-5/8%, due 12/1/90	72.888	7,288.80	7.30
33,000.00	Consumers Power Co., SF Debs., 4-5/8%, due 9/1/94	69.75	23,017.50	7.406
25,000.00	Dallas Power & Light Co., 1st Mtge., 4-1/4%, due 12/1/86	71.875	17,968.75	7.40
25,000.00	Diamond State Telephone Co., Debs., 4-3/4%, due 4/1/94	71.79	17,947.50	7.35
37,000.00	Georgia Power Co., 1st Mtge., 4-1/2%, due 11/1/93	69.734	25,801.58	7.30
6,000.00	Georgia Power Co., 1st Mtge., 4-7/8%, due 9/1/95	71.597	4,295.82	7.45
2,000.00	Indiana Bell Telephone Co., Debs., 4-3/4%, due 10/1/05	68.625	1,372.50	7.25
20,000.00	Kansas City Power & Light Co., 1st Mtge., 4-3/4%, due 10/1/95	70.62	14,124.00	7.40
1,000.00	Kentucky Power Co., 1st Mtge., 5-1/8%, due 1/1/96	73.35	733.50	7.55
25,000.00	Mississippi Power & Light Co., 1st Mtge., 4-5/8%, due 3/1/95	68.28	17,070.00	7.551
4,000.00	New England Telephone & Telegraph Co., Debs., 4%, due 4/1/93	65.498	2,619.92	7.20
7,000.00	New England Telephone & Telegraph Co., Debs., 4-5/8%, due 4/1/99	69.00	4,830.00	7.25

INVESTMENTS ACQUIRED
(Continued)

Par Value or No. Shares	Description	Price	Total Cost	Current Yield
<u>CORPORATE BONDS: (Continued)</u>				
\$ 25,000.00	Northern Indiana Public Service Co., 1st Mtge., 4-1/2%, due 4/15/93	70.125	\$ 17,531.25	7.30%
5,000.00	Northern States Power Co. (Minn.), 1st Mtge., 4%, due 7/1/88	68.74	3,437.00	7.30
20,000.00	Pacific Telephone & Telegraph Co., Debs., 3-1/8%, due 11/15/89	61.002	12,200.40	7.00
30,000.00	Pennsylvania Power & Light Co., 1st Mtge., 4-5/8%, due 12/1/91	70.98	21,294.00	7.45
30,000.00	Philadelphia Electric Co., 1st & Ref. Mtge., 3-3/4%, due 5/1/88	66.236	19,870.80	7.35
15,000.00	Utah Power & Light Co., 1st Mtge., 4-5/8%, due 8/1/94	69.811	10,471.65	7.40
	TOTAL - Corporate Bonds		<u>298,293.52</u>	<u>7.36</u>
<u>COMMON STOCK:</u>				
5,667 Shares	Commonwealth Edison Co.	35.00	198,345.00	4.89
10,000 "	International Paper Co.	34.216	342,160.00	4.38
42,000 "	McGraw-Hill, Inc.	18.50	777,000.00	3.24
10,000 "	Union Carbide Corporation	45.7735	457,735.00	4.37
	TOTAL - Common Stock		<u>1,775,240.00</u>	<u>3.94</u>
<u>WARRANTS:</u>				
5,667	Commonwealth Edison Co.	10.00	56,670.00	-0-
	TOTAL - LONG TERM INVESTMENTS		<u>6,692,063.70</u>	<u>6.16</u>
<u>BONDS EXCHANGED IN:</u>				
\$9,647,000.00	See Bond Exchange Schedule for Details		9,010,353.73	4.82
<u>COMMERCIAL PAPER:</u>				
1,000,000.00	Ford Motor Credit Company	100.00	1,000,000.00	3.00
	TOTAL - ALL INVESTMENTS ACQUIRED		<u>\$16,702,417.43</u>	<u>5.25%</u>

INVESTMENTS DISPOSED OF

Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)	Market Yield
<u>U.S. GOVERNMENT AGENCY OBLIGATIONS:</u>					
\$ 16,376.89	Farmers Home Administration Insured Notes, 5-3/4%, due 6/29/01	\$100.00	\$ 16,376.89	(\$ 443.81)	5.56%
26,451.22	GNMA, Various Pools	100.00	26,451.22	(1,515.05)	7.38
	FHA Mortgages Principal Payments	100.00	<u>47,302.39</u>	<u>-0-</u>	<u>6.86</u>
	TOTAL - U.S. Government Agency Obligations		<u>90,130.50</u>	(<u>1,958.86</u>)	<u>6.77</u>
<u>CORPORATE BONDS:</u>					
20,000.00	Dow Chemical Co., Notes, 4-1/2%, due 1/15/90	100.00	20,000.00	113.17	4.50
800,000.00	New England Telephone & Telegraph Co., Debs., 8.20%, due 6/1/04	106.50	<u>852,000.00</u>	<u>9,851.46</u>	<u>7.65</u>
	TOTAL - Corporate Bonds		<u>872,000.00</u>	<u>9,964.63</u>	<u>7.58</u>
<u>COMMON STOCK:</u>					
30,600 Shares	American Can Co.	32.15	983,819.98	(336,390.36)	6.84
18,700 "	Owens-Illinois, Inc.	45.50	<u>850,850.00</u>	(<u>53,215.46</u>)	<u>2.97</u>
	TOTAL - Common Stock		<u>1,834,669.98</u>	(<u>389,605.82</u>)	<u>5.05</u>
	TOTAL - LONG TERM INVESTMENTS		<u>2,796,800.48</u>	(<u>381,600.05</u>)	<u>5.90</u>
<u>BONDS EXCHANGED OUT:</u>					
\$9,647,000.00	See Bond Exchange Schedule for Details		<u>9,487,915.10</u>	<u>-0-</u>	<u>4.80</u>
<u>COMMERCIAL PAPER:</u>					
300,000.00	Ford Motor Credit Co.	100.00	300,000.00	-0-	6.12
2,300,000.00	General Motors Acceptance Corp.	100.00	<u>2,300,000.00</u>	<u>-0-</u>	<u>5.63</u>
	TOTAL - Commercial Paper		<u>2,600,000.00</u>	<u>-0-</u>	<u>5.69</u>
	TOTAL - INVESTMENTS DISPOSED OF		<u>\$14,884,715.58</u>	<u>(\$381,600.05)</u>	<u>5.16%</u>

PERMANENT UNIVERSITY FUND

SUMMARY OF BOND EXCHANGES
February, 1972

Exchanges	Par Value Exchanged	Book Value		Principal Takeout or (Payup) Required	Increase in Annual Income*
		Issue Exchanged	Issue Received		
Corporate Bonds for Corporate Bonds	\$ 7,497,000	\$ 7,300,003.12	\$ 6,794,876.25	\$505,126.87	\$ 14,516.64
U. S. Treasuries for U. S. Treasuries	2,000,000	2,032,077.46	2,047,077.46	(15,000.00)	491.05
Corporate Bonds for U. S. Govt. Obligations	<u>150,000</u>	<u>155,834.52</u>	<u>168,400.02</u>	(<u>12,565.50</u>)	<u>94.02</u>
Total - All Exchanges (February, 1972)	<u>\$ 9,647,000</u>	<u>\$ 9,487,915.10</u>	<u>\$ 9,010,353.73</u>	<u>\$477,561.37</u>	<u>\$ 15,101.71</u>

*Total income improvement includes income from investment of takeout on exchanges at current market yields.

BOND EXCHANGES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>IN- CREASE</u>	<u>BOOK YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 62,000	Pacific Tel. & Tel. Co. Debs., 6%, due 11/1/2002	Mountain States Tel. & Tel. Co. Debs., 2-5/8%, due 5/15/86	\$ 62,749.00	\$ 46,033.18	-.71%	5.20%	\$ 202.93*
165,000	New England Power Co. 1st Mtge., 4-5/8%, due 11/1/91	Niagara Mohawk Power Corp. Gen. Mtge., 4-1/2%, due 11/1/91	158,311.85	153,875.00	.09	5.04	\$ 229.44
35,000	Ditto	Utah Power & Light Co. 1st Mtge., 4-5/8%, due 8/1/94	33,581.30	32,528.15	.21	5.16	\$ 89.90
200,000	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-1/8%, due 12/1/93	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-1/8%, due 12/1/93	186,313.22	185,461.22	.04	4.66	\$ 94.46
100,000	Ditto	Illinois Bell Tel. Co. 1st Mtge., 3-1/4%, due 7/15/95	93,156.61	81,759.61	-.10	4.52	\$ 189.48
45,000	Ditto	New Jersey Bell Tel. Co. Debs., 2-3/4%, due 3/15/90	41,920.48	36,507.43	-.37	4.25	\$ 79.24
30,000	Ditto	Michigan Bell Tel. Co. Debs., 4-5/8%, due 8/1/96	27,946.99	28,894.99	.26	4.88	\$ 52.57
27,000	Ditto	Southern Bell Tel. & Tel. Co. Debs., 4-3/8%, due 3/1/98	25,152.28	25,090.18	.24	4.86	\$ 61.69
26,000	Ditto	Northern States Power Co. (Minn.) 1st Mtge., 4-3/8%, due 9/1/93	24,220.72	24,429.24	.21	4.83	\$ 46.33
25,000	Ditto	Illinois Power Co. 1st Mtge., 4-1/4%, due 1/1/93	23,289.15	23,293.15	.15	4.77	\$ 34.84

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

BOND EXCHANGES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK YIELD IN- CREASE</u>	<u>NEW BOOK YIELD</u>
			<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>		
<u>Corporate Bonds for Corporate Bonds</u>						
\$ 25,000	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-1/8%, due 12/1/93	Wisconsin Tel. Co. Debs., 4-7/8%, due 5/1/95	\$ 23,289.15	\$ 24,869.15	.29% \$ 34.52	4.91%
22,000	Ditto	New York Tel. Co. Ref. Mtge., 4-5/8%, due 1/1/2004	20,494.45	20,676.83	.38 \$ 74.23	5.00
33,000	Duke Power Co. 1st & Ref. Mtge., 5-3/8%, due 4/1/97	Wisconsin Tel. Co. Debs., 4-7/8%, due 5/1/95	34,158.66	32,206.71	-.08 \$ 50.80	5.05
28,000	Ditto	New England Tel. & Tel. Co. Debs., 4%, due 4/1/93	28,983.11	25,089.43	-.35 \$ 61.46	4.78
18,000	Virginia Elec. & Power Co. 1st & Ref. Mtge., 5-1/8%, due 2/1/97	Ditto	17,487.93	15,494.79	-.25 \$ 33.46	5.08
50,000	Illinois Bell Tel. Co. 1st Mtge., 6%, due 7/1/98	Rochester Tel. Co. 1st Mtge., 4-3/4%, due 9/1/93	52,889.26	44,314.26	.09 \$ 342.71	5.67
200,000	Pacific Northwest Bell Tel. Co. Debs., 4-1/2%, due 12/1/2000	Pacific Northwest Bell Tel. Co. Debs., 4-1/2%, due 12/1/2000	188,273.75	187,339.75	.03 \$ 76.00	4.91
45,000	Ditto	New York Tel. Co. Ref. Mtge., 4-5/8%, due 1/1/2004	42,361.59	42,018.69	.16 \$ 74.49	5.04
20,000	Ditto	Northwestern Bell Tel. Co. Debs., 4-3/8%, due 3/1/2003	18,827.37	18,006.97	.13 \$ 40.80	5.01
35,000	Ditto	Pacific Tel. & Tel. Co. Debs., 4-5/8%, due 4/1/99	32,947.91	32,947.91	.14 \$ 46.13	5.02

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BOND EXCHANGES
(February, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
			<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>YIELD</u> <u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>						
\$ 100,000	Duquesne Light Co. 1st Mtge., 3-1/8%, due 7/1/84	Consolidated Natural Gas Co. Debs., 4-3/4%, due 9/1/90	\$ 95,331.33	\$ 103,031.33	.92% \$ 685.32*	4.51%
150,000	Public Service Co. of Indiana 1st Mtge., 3-3/8%, due 1/1/84	Ditto	126,026.96	133,243.46	.55 \$ 601.49	5.73
760,000	Mountain States Tel. & Tel. Co. Debs., 4-1/2%, due 6/1/2002	Mountain States Tel. & Tel. Co. Debs., 4-1/2%, due 6/1/2002	757,098.01	755,213.21	.02 \$ 197.79	4.54
45,000	Wisconsin Public Service Co. 1st Mtge., 4-1/2%, due 6/1/94	Georgia Power Co. 1st Mtge., 4-7/8%, due 9/1/95	41,691.54	42,803.04	.19 \$ 59.65	5.24
35,000	Ditto	Public Service Co. of Colorado 1st Mtge., 4-1/2%, due 6/1/94	32,426.76	32,135.21	.07 \$ 28.18	5.12
20,000	Ditto	Alabama Power Co. 1st Mtge., 4-7/8%, due 9/1/95	18,529.58	19,110.18	.16 \$ 19.26	5.21
50,000	Kansas City Power & Light Co. 1st Mtge., 3-1/4%, due 2/15/85	Consumers Power Co. 1st Mtge., 4-5/8%, due 8/1/89	47,737.06	51,393.56	.72 \$ 248.64	4.40
25,000	Ditto	Consumers Power Co. 1st Mtge., 4-5/8%, due 8/1/91	23,868.53	25,354.28	.83 \$ 161.12	4.51
25,000	Ditto	Northern States Power Co. (Minn.) 1st Mtge., 4%, due 7/1/88	23,868.53	24,226.78	.58 \$ 128.62	4.26
150,000	New York Tel. Co. Ref. Mtge., 3-3/8%, due 4/1/96	Illinois Bell Tel. Co. 1st Mtge., 4-3/8%, due 7/1/2003	130,813.96	142,975.96	.44 \$ 290.99	4.66
50,000	Ditto	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-3/8%, due 1/1/2002	43,604.66	47,672.16	.45 \$ 101.44	4.67

BOND EXCHANGES
(February, 1972)

<u>PAR VALUE</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK YIELD IN- CREASE</u>	<u>NEW BOOK YIELD</u>	
		<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>			<u>ISSUE EXCHANGED</u>	ISSUE RECEIVED
<u>Corporate Bonds for Corporate Bonds</u>						
\$ 55,000	New York Tel. Co. Ref.Mtge., 3-3/8%, due 4/1/96	New York Tel. Co. Ref.Mtge., 4-1/4%, due 1/1/2000	\$ 47,965.12	\$ 52,008.17	.38% \$ 85.24*	4.60%
25,000	Ditto	New England Tel. & Tel. Co. Debs., 4-5/8%, due 4/1/99	21,802.33	24,601.58	.50 \$ 45.18	4.72
10,000	Ditto	Northwestern Bell Tel. Co. Debs., 3-1/4%, due 2/1/96	8,720.93	8,428.13	.09 \$ 15.73	4.31
10,000	Ditto	New Jersey Bell Tel. Co. Debs., 3-3/8%, due 12/1/95	8,720.93	8,578.13	.12 \$ 14.27	4.34
61,000	Northern Illinois Gas Co. 1st Mtge., 5%, due 6/1/84	Commonwealth Edison Co. 1st Mtge., 3-1/2%, due 6/1/86	52,913.50	43,474.97	.08 \$ 307.40	6.65
50,000	Ditto	Oklahoma Gas & Electric Co. 1st Mtge., 4-1/2%, due 1/1/87	43,371.72	39,477.72	.20 \$ 193.80	6.77
100,000	Chesapeake & Potomac Tel. Co. (West Virginia) Debs., 5%, due 3/1/2000	New York Tel. Co. Ref.Mtge., 4-7/8%, due 1/1/2006	95,222.61	91,743.61	.08 \$ 131.49	5.41
25,000	Virginia Electric & Power Co. 1st & Ref. Mtge., 4-5/8%, due 9/1/90	Georgia Power Co. 1st Mtge., 4-1/2%, due 11/1/93	22,641.50	21,500.50	.31 \$ 85.94	5.62
516,000	Mountain States Tel. & Tel. Co. Debs., 4-1/2%, due 6/1/2002	New York Tel. Co. Ref.Mtge., 4-5/8%, due 1/1/2002	514,029.70	520,293.94	.06 \$ 156.82	4.58
30,000	Ditto	Chesapeake & Potomac Tel. Co. of Virginia Debs., 5-1/4%, due 5/1/2005	29,885.45	32,121.95	.30 \$ 40.90	4.82

BOND EXCHANGES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>YIELD</u>	<u>BOOK</u>
						<u>IN-</u>	<u>YIELD</u>
						<u>CREASE</u>	
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 55,000	Mountain States Tel. & Tel. Co. Debs., 4-1/2%, due 6/1/2002	Chesapeake & Potomac Tel. Co. of Maryland Debs., 4-3/8%, due 1/1/2002	\$ 54,789.99	\$ 53,665.24	-0-%		4.52%
					\$		27.89*
18,000	Pacific Northwest Bell Tel. Co. Debs., 4-1/2%, due 12/1/2000	Indiana Bell Tel. Co. Debs., 4-3/4%, due 10/1/2005	16,944.64	17,035.54	.20		5.08
					\$		32.15
160,000	U. S. Gypsum Co. Sub. Debs., 4-7/8%, due 7/1/91	Bell Tel. Co. of Pennsylvania Debs., 3-3/4%, due 2/1/89	159,266.51	139,301.71	-.03		4.88
					\$		375.47
75,000	Ditto	Mountain States Tel. & Tel. Co. Debs., 3%, due 8/1/89	74,656.17	59,365.17	-.14		4.77
					\$		236.47
50,000	Ditto	Mountain States Tel. & Tel. Co. Debs., 3-1/2%, due 6/1/90	49,770.78	41,618.78	-.01		4.90
					\$		166.21
15,000	Ditto	Commonwealth Edison Co. 1st Mtge., 4-1/4%, due 3/1/87	14,931.24	13,779.69	.12		5.03
					\$		40.61
45,000	N.Y. State Elec. & Gas Corp. 1st Mtge., 3-7/8%, due 2/1/88	New York Tel. Co. Ref. Mtge., 4-1/8%, due 7/1/93	40,419.10	39,741.85	.23		5.02
					\$		106.38
55,000	Ditto	Illinois Power Co. 1st Mtge., 3-3/4%, due 7/1/86	49,401.13	49,016.13	.02		4.81
					\$		18.32
300,000	Consolidated Edison Co. of N. Y. Inc. 1st & Ref. Mtge., 5%, due 1/1/96	Consolidated Edison Co. of N. Y. Inc. 1st & Ref. Mtge., 4-5/8%, due 12/1/93	301,903.00	289,690.00	-.07		4.88
					\$		277.81
50,000	Philadelphia Elec. Power Co. SF Debs., 4-1/2%, due 3/1/95	Mississippi Power Co. 1st Mtge., 4-3/4%, due 7/1/95	49,780.09	49,805.09	.25		4.78
					\$		123.89

BOND EXCHANGES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>YIELD IN- CREASE</u>	<u>BOOK YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 45,000	Philadelphia Elec. Power Co. SF Debs., 4-1/2%, due 3/1/95	Public Service Elec. & Gas Co. 1st & Ref. Mtge., 4-3/4%, due 9/1/95	\$ 44,802.08	\$ 45,549.08	.13%	4.66%	\$ 40.77*
25,000	Ditto	Alabama Power Co. 1st Mtge., 4-5/8%, due 5/1/94	24,890.04	24,720.04	.18	4.71	\$ 48.69
21,000	Ditto	Carolina Power & Light Co. 1st Mtge., 4-1/2%, due 7/1/94	20,907.64	20,464.54	.23	4.70	\$ 45.73
100,000	Delaware Power & Light Co. 1st Mtge. & Collateral Trust, due 6/1/88	Georgia Power Co. 1st Mtge., 4-1/2%, due 11/1/93	94,894.94	96,210.94	.46	4.78	\$ 407.30
200,000	Public Service Co. of Okla. 1st Mtge., 4-1/4%, due 2/1/87	Georgia Power Co. 1st Mtge., 4-5/8%, due 10/1/91	198,025.43	196,161.43	.44	4.78	\$ 912.70
63,000	Ditto	Georgia Power Co. 1st Mtge., 4-1/2%, due 11/1/93	62,378.01	60,152.85	.50	4.84	\$ 359.95
200,000	Virginia Elec. & Power Co. 1st & Ref. Mtge., 3-7/8%, due 6/1/88	Carolina Power & Light Co. 1st Mtge., 4-1/2%, due 11/1/91	177,125.07	179,777.07	.45	5.34	\$ 753.04
14,000	Ditto	Kentucky Power Co. 1st Mtge., 5-1/8%, due 1/1/96	12,398.75	13,140.47	.70	5.59	\$ 76.33
200,000	Chesapeake & Potomac Tel. Co. (Washington, D. C.) Debs., 5-5/8%, due 7/1/2006	Southwestern Bell Tel. Co. Debs., 5-3/8%, due 6/1/2006	204,175.01	196,617.01	-.01	5.48	\$ 248.10
335,000	Chesapeake & Potomac Tel. Co. of Maryland Debs., 5-7/8%, due 6/1/2004	Commonwealth Edison Co. SF Debs., 4-5/8%, due 1/1/2009	334,192.79	280,056.79	-.20	5.69	\$ 1,062.14

BOND EXCHANGES
(February, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u> <u>YIELD</u> <u>IN-</u> <u>CREASE</u>	<u>NEW</u> <u>BOOK</u> <u>YIELD</u>
			<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>		
<u>Corporate Bonds for Corporate Bonds</u>						
\$ 100,000	Chesapeake & Potomac Tel. Co. of Maryland Debs., 5-7/8%, due 6/1/2004	Public Service Co. of Colorado 1st Mtge., 4-1/2%, due 6/1/94	\$ 99,759.04	\$ 84,591.04	-.16% \$ 364.20	5.73%
100,000	Ditto	Northwestern Bell Tel. Co. Debs., 6-1/4%, due 1/1/2007	99,759.04	102,269.04	.20 \$ 176.67	6.09
50,000	Ditto	Southwestern Bell Tel. Co. Debs., 5-3/8%, due 6/1/2006	49,879.52	45,874.52	.05 \$ 67.40	5.94
40,000	Pacific Tel. & Tel. Co. Debs., 4-3/8%, due 8/15/88	Consumers Power Co. 1st Mtge., 4-5/8%, due 12/1/90	35,704.89	35,505.29	.23 \$ 84.92	5.60
40,000	Pacific Gas & Electric Co. 1st & Ref. Mtge., 4-1/2%, due 6/1/90	Baltimore Gas & Electric Co. 1st Ref. Mtge. SF, 4-3/8%, due 7/15/92	38,044.41	36,614.41	.14 \$ 81.29	5.04
125,000	Chesapeake & Potomac Tel. Co. (Washington, D. C.) Debs., 5-5/8%, due 7/1/2006	American Tel. & Tel. Co. Debs., 5-1/8%, due 4/1/2001	127,609.38	120,835.63	-.14 \$ 65.94	5.35
100,000	Dayton Power & Light Co. 1st Mtge., 5-5/8%, due 5/1/97	Pacific Tel. & Tel. Co. Debs., 5-1/8%, due 2/1/93	102,167.80	97,603.80	-.15 \$ 18.58	5.32
50,000	Ditto	Pacific Gas & Electric Co. 1st & Ref. Mtge., 4-1/2%, due 12/1/96	51,083.90	44,652.90	-.19 \$ 144.05	5.28
25,000	Ditto	Chesapeake & Potomac Tel. Co. (Washington, D. C.) Debs., 5-5/8%, due 7/1/2006	25,541.95	25,110.95	.27 \$ 39.24	5.60
25,000	Ditto	Duquesne Light Co. 1st Mtge., 4-1/4%, due 3/1/89	25,541.95	22,605.95	-.37 \$ 19.81	5.10

BOND EXCHANGES
(February, 1972)

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
<u>Corporate Bonds for Corporate Bonds</u>							
\$ 80,000	Mountain States Tel. & Tel. Co. Debs., 6%, due 8/1/2007	Pacific Tel. & Tel. Co. Debs., 3-1/8%, due 11/15/89		\$ 81,618.75	\$ 61,517.15	-.73%	5.13%
						\$	179.51*
400,000	New Jersey Bell Tel. Co. Debs., 5-7/8%, due 12/1/2006	Ditto		397,007.03	299,471.03	-.59	5.34
						\$	1,326.96
70,000	New York Tel. Co. Ref. Mtge., 4-7/8%, due 1/1/2006	Commonwealth Edison Co. SF Debs., 3-7/8%, due 1/1/2008		69,601.01	59,992.81	-.21	4.70
						\$	74.82
388,000	Pacific Tel. & Tel. Co. Debs., 6%, due 11/1/2002	Ditto		392,687.31	283,329.51	-.28	5.63
						\$	398.68
38,000	Mountain States Tel. & Tel. Co. Debs., 5%, due 4/1/2000	Ditto		36,214.89	29,868.51	-.12	5.20
						\$	70.78
150,000	Chesapeake & Potomac Tel. Co. (Washington, D. C.) Debs., 5-5/8%, due 7/1/2006	Ditto		153,131.26	117,480.76	-.27	5.22
						\$	221.13
100,000	Chesapeake & Potomac Tel. Co. of Virginia Debs., 5-5/8%, due 3/1/2007	Ditto		101,012.30	77,320.30	-.26	5.30
						\$	140.14
57,000	Chesapeake & Potomac Tel. Co. of West Virginia Debs., 5%, due 3/1/2000	Ditto		54,276.89	45,013.82	-.16	5.17
						\$	82.66
50,000	Dayton Power & Light Co. 1st Mtge., 5-5/8%, due 5/1/97	Ditto		51,083.90	39,124.90	-.25	5.22
						\$	85.16
<u>\$ 7,497,000</u>	<u>Total Exchange of Corporate Bonds for Corporate Bonds</u> (February, 1972)			<u>\$ 7,300,003.12</u>	<u>\$ 6,794,876.25</u>	<u>\$ 14,516.64</u>	<u>(Total Income Improvement)</u>

<u>BOND EXCHANGES</u> (February, 1972)							
<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u> <u>EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE</u> <u>EXCHANGED</u>	<u>ISSUE</u> <u>RECEIVED</u>	<u>IN-</u> <u>CREASE</u>	<u>BOOK</u> <u>YIELD</u>
		<u>U. S. Treasuries for U. S. Treasuries</u>					
\$ 1,000,000	U. S. Treasury Bonds 4-1/8%, due 5/15/94-89	U. S. Treasury Bonds 4-1/4%, due 8/15/92-87	\$ 1,016,038.73	\$ 1,023,538.73	.04%	4.04%	\$ 266.00*
1,000,000	Ditto	Ditto	1,016,038.73	1,023,538.73	.04	4.04	\$ 225.05
<u>\$ 2,000,000</u>	Total Exchange of U. S. Treasuries for U. S. Treasuries (February, 1972)		<u>\$ 2,032,077.46</u>	<u>\$ 2,047,077.46</u>	\$ 491.05	(Total Income Improvement)	

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

BOND EXCHANGES
(February, 1972)

<u>PAR VALUE</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
		<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>YIELD IN- CREASE</u>	<u>BOOK YIELD</u>
<u>Corporate Bonds for U. S. Government Obligations</u>					
\$ 150,000	Texaco Inc. SF Debs., 5-3/4%, due 7/15/97		GNMA Pool #1252, 6-1/2%, due 1/15/2002	\$ 155,834.52	\$ 168,400.02
				.17%	5.64%
				\$ 94.02*	
				(Total Income Improvement)	

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*Total Income Improvement, including income from investment of takeout (payup) on exchange.

BOND PURCHASES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
<u>U. S. Government Obligations</u>				
\$ 1,850,000.00	GNMA, Pool #1252, 6-1/2%, due 1/15/02	\$ 95.50	\$ 1,766,750.00	6.95%
1,921,786.09	GNMA, Pool #1033, 6-1/2%, due 2/15/2002	95.75	1,840,110.18	6.93
<u>1,000,000.00</u>	GNMA, Pool #832, 6-1/2%, due 1/15/2002	95.50	<u>955,000.00</u>	<u>6.95</u>
<u>4,771,786.09</u>	Total U. S. Government Obligations		<u>4,561,860.18</u>	<u>6.94</u>
<u>Corporate Bonds</u>				
15,000	Utah Power & Light Co., 1st Mtge., 4-5/8%, due 8/1/94	69.811	10,471.65	7.40
50,000	Consolidated Natural Gas Co., Debs., 4-3/4%, due 9/1/90	74.95	37,475.00	7.22
25,000	Dallas Power & Light Co., 1st Mtge., 4-1/4%, due 12/1/86	71.875	17,968.75	7.40
4,000	New England Tel. & Tel. Co., Debs., 4%, due 4/1/93	65.498	2,619.92	7.20
6,000	Georgia Power Co., 1st Mtge., 4-7/8%, due 9/1/95	71.597	4,295.82	7.45
5,000	Northern States Power Co. (Minn.), 1st Mtge., 4%, due 7/1/88	68.74	3,437.00	7.30
7,000	New England Tel. & Tel. Co., Debs., 4-5/8%, due 4/1/99	69.00	4,830.00	7.25
2,000	Indiana Bell Tel. Co., Debs., 4-3/4%, due 10/1/2005	68.625	1,372.50	7.25
7,000	Carolina Power & Light Co., 1st Mtge., 4-1/2%, due 7/1/94	66.89	4,682.30	7.60
25,000	Mississippi Power & Light Co., 1st Mtge., 4-5/8%, due 3/1/95	68.28	17,070.00	7.551

BOND PURCHASES
(February, 1972)

	<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
			<u>UNIT</u>	<u>TOTAL</u>	
<u>Corporate Bonds (Continued)</u>					
\$	30,000	Appalachian Power Co., 1st Mtge., 4%, due 5/1/88	\$ 66.782	\$ 20,034.60	7.60%
	33,000	Consumers Power Co., SF Debs., 4-5/8%, due 9/1/94	69.75	23,017.50	7.406
	25,000	Diamond State Tel. Co., Debs., 4-3/4%, due 4/1/94	71.79	17,947.50	7.35
	37,000	Georgia Power Co., 1st Mtge., 4-1/2%, due 11/1/93	69.734	25,801.58	7.30
	20,000	Kansas City Power & Light Co., 1st Mtge., 4-3/4%, due 10/1/95	70.62	14,124.00	7.40
	30,000	Pennsylvania Power & Light Co., 1st Mtge., 4-5/8%, due 12/1/91	70.98	21,294.00	7.45
	30,000	Philadelphia Electric Co., 1st & Ref. Mtge., 3-3/4%, due 5/1/88	66.236	19,870.80	7.35
	1,000	Kentucky Power Co., 1st Mtge., 5-1/8%, due 1/1/96	73.35	733.50	7.55
	5,000	Baltimore Gas & Electric Co., 1st Ref. Mtge. SF, 4-3/8%, due 7/15/92	70.033	3,501.65	7.20
	10,000	Consumers Power Co., 1st Mtge., 4-5/8%, due 12/1/90	72.888	7,288.80	7.30
	25,000	Northern Indiana Public Service Co., 1st Mtge., 4-1/2%, due 4/15/93	70.125	17,531.25	7.30
	15,000	Baltimore Gas & Electric Co., SF Debs., 4-5/8%, due 8/1/90	71.50	10,725.00	7.50
	<u>20,000</u>	Pacific Tel. & Tel. Co., Debs., 3-1/8%, due 11/15/89	61.002	<u>12,200.40</u>	<u>7.00</u>
	<u>427,000</u>	Total Corporate Bonds		<u>298,293.52</u>	<u>7.36</u>
	<u>\$ 5,198,786.09</u>	TOTAL BONDS PURCHASED		<u>\$ 4,860,153.70</u>	<u>6.97%</u>

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BOND SALES AND MATURITIES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. S. Government Obligations</u>				
\$ 16,376.89	FHA, Insured Note, 5-3/4%, due 6/29/2001	\$ 16,376.89	(\$ 443.81)	5.56%
829.25	GNMA, Pool #152, 8%, due 2/15/2001	829.25	(186.91)	8.00
6,028.84	GNMA, Pool #456, 8%, due 4/15/2001	6,028.84	(493.16)	8.00
868.31	GNMA, Pool #1105, 6-1/2%, due 1/15/2002	868.31	32.21	6.50
858.14	GNMA, Pool #1306, 6-1/2%, due 1/15/2002	858.14	37.54	6.50
5,444.05	GNMA, Pool #114, 8%, due 1/15/2001	5,444.05	(1,269.01)	8.00
666.02	GNMA, Pool #236, 8%, due 1/15/2001	666.02	(97.24)	8.00
7,127.26	GNMA, Pool #905, 6-1/2%, due 7/15/2001	7,127.26	425.50	6.50
443.24	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	443.24	28.68	6.50
1,492.62	GNMA, Pool #650, 8%, due 4/15/2001	1,492.62	(50.15)	8.00
1,013.77	GNMA, Pool #92, 8%, due 2/15/2001	1,013.77	(16.32)	8.00
710.44	GNMA, Pool #852, 6-1/2%, due 1/15/2002	710.44	30.19	6.50
<u>969.28</u>	GNMA, Pool #1157, 6-1/2%, due 1/15/2002	<u>969.28</u>	<u>43.62</u>	<u>6.50</u>
<u>42,828.11</u>	Total U. S. Government Obligations	<u>42,828.11</u>	(<u>1,958.86</u>)	<u>6.68</u>
<u>Corporate Bonds</u>				
20,000.00	Dow Chemical Company, Notes, 4-1/2%, due 1/15/90	20,000.00	113.17	4.50
<u>800,000.00</u>	New England Tel. & Tel. Co., Debs., 8.20%, due 6/1/2004	<u>852,000.00</u>	<u>9,851.46</u>	<u>7.65</u>
<u>820,000.00</u>	Total Corporate Bonds	<u>872,000.00</u>	<u>9,964.63</u>	<u>7.58</u>
<u>\$ 862,828.11</u>	TOTAL BONDS SOLD AND MATURED	<u>\$914,828.11</u>	<u>\$ 8,005.77</u>	<u>7.54%</u>

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CASH STATEMENT
February 29, 1972

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>RECEIPTS:</u>		
From General Land Office	\$1,718,610.94	
From Disposition of Securities:		
U.S. Government Agency Obligations	42,828.11	
FHA Mortgages	47,302.39	
Corporate Bonds	872,000.00	
Common Stock	1,834,669.98	
Commercial Paper	2,600,000.00	
Bond Exchanges - Net Receipts	477,561.37	
Interest Collected:		
U.S. Bonds		\$1,765,822.42
U.S. Government Agency Obligations		142,301.43
FHA Mortgages		103,044.62
Corporate Bonds		951,456.37
Convertible Debentures		111,590.00
Commercial Paper		84,290.86
Dividends Collected:		
Common & Preferred Stock		<u>494,770.99</u>
Amortization of Premium	50,195.39	
Accounts Receivable Collected	<u>210,512.87</u>	
TOTAL RECEIPTS	7,853,681.05	3,653,276.69
Cash on Hand, 2/1/72	<u>1,072,221.52</u>	<u>-0-</u>
TOTAL RECEIPTS AND CASH	<u>\$8,925,902.57</u>	<u>\$3,653,276.69</u>

CASH STATEMENT
February 29, 1972
(Continued)

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>DISBURSEMENTS:</u>		
Securities Acquired:		
U.S. Government Agency Obligations	\$4,561,860.18	
Corporate Bonds	298,293.52	
Common Stock	1,775,240.00	
Warrants	56,670.00	
Commercial Paper	1,000,000.00	
Amortization of Discount	96,741.84	
Cash payments made in February on Security Transactions with Settlement in March	2,391.20	
To Clear Out Available Fund		<u>\$3,653,276.69</u>
TOTAL DISBURSEMENTS	<u>7,791,196.74</u>	<u>3,653,276.69</u>
<u>CASH AND RECEIVABLES 2-29-72</u>		
Accounts Receivable	369,007.15	
Cash	<u>765,698.68</u>	
Total Cash and Receivables	<u>1,134,705.83</u>	
TOTAL DISBURSEMENTS, CASH AND RECEIVABLES 2-29-72	<u>\$8,925,902.57</u>	<u>\$ -0-</u>

II. TRUST AND SPECIAL FUNDS

TRUST AND SPECIAL FUNDS - INVESTMENT MATTERS.--

REPORT OF SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Trust and Special Funds in February, 1972. 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>Principal Cost</u>	<u>Yield</u>
	<u>CORPORATE BONDS:</u> See Bond Purchase Schedule for Detail		
\$572,000.00	Common Trust Fund	\$412,232.45	7.31%
398,000.00	Hogg Foundation: W.C. Hogg Estate Fund	283,809.45	7.40
25,000.00	Hogg Foundation: Varner Properties	17,246.00	7.50
58,000.00	Winedale Stagecoach Inn - Varner Acreage	44,721.00	7.33
125,000.00	The Libbie Moody Thompson Memorial Trust - GMB	89,945.78	5.97
	TOTAL - Corporate Bonds	<u>847,954.68</u>	<u>7.21%</u>
	<u>CORPORATE STOCKS:</u> See Stock Purchase Schedule for Detail		
	Common Trust Fund	13,050.00	6.29%
	Hogg Foundation: W.C. Hogg Estate Fund	8,550.00	6.29
	Hogg Foundation: Varner Properties	4,005.00	6.29
	The Robertson Poth Foundation	<u>62,420.00</u>	<u>4.07</u>
	TOTAL - Corporate Stocks	<u>88,025.00</u>	<u>4.71%</u>
	TOTAL - LONG TERM INVESTMENTS	<u>\$935,979.68</u>	
	<u>BONDS EXCHANGED IN:</u> See Bond Exchange Schedule for Detail		
275,000.00	Common Trust Fund	\$204,618.85	7.58%
85,000.00	Hogg Foundation: Varner Properties	81,995.72	4.72
	<u>COMMERCIAL PAPER:</u>		
300,000.00	FMC 3-3/8% Note, due 3/6/72 (Common Trust Fund)	300,000.00	3.384837
700.00	SRAC 4-3/4% Note, due 3/6/72 (\$ 500 - Dept. of Drama - Laboratory Theatre 200 - Ethel V. Loving de Diaz Scholarship Fund)	700.00	4.75439

INVESTMENTS ACQUIRED
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Cost</u>	<u>Yield</u>
	<u>COMMERCIAL PAPER: (Continued)</u>		
\$146,000.00	FMC 3% Note, due 3/16/72 (\$ 300 - Robert Leon White Memorial Fund 14,000 - Geology Foundation - Hal P. Bybee Memorial Fund 12,500 - GMB - James Wade Rockwell Fund 119,200 - UTEP - Josephine Clardy Fox Estate Fund)	\$146,000.00	3.007519
300,000.00	FMC 3% Note, due 3/21/72 (Hogg Foundation: W. C. Hogg Estate Fund)	300,000.00	3.00777
30,500.00	FMC 3-1/2% Note, due 4/18/72 (\$ 30,000 - Development Board Projects & Publications 110 - Hogg Foundation: Balances Subject to Reappropriation 50 - Varner-Bayou Bend Heritage Fund for Child Guidance Center in Houston 340 - Hogg Foundation for Mental Health - Ima Hogg Scholarships in Mental Health)	30,500.00	3.520536

ITEMS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
	<u>U.S. GOVERNMENT AGENCY OBLIGATIONS:</u>			
	See Bond Sales Schedule for Detail			
\$ 662.58	Common Trust Fund	\$ 662.58	\$ 38.35	7.23%
4,372.03	Hogg Foundation: W.C. Hogg Estate Fund	4,372.03	(181.40)	7.96
600.96	Hogg Foundation: Varner Properties	600.96	55.02	7.75
2,023.47	Student Property Deposit Scholarship Fund	2,023.47	(37.37)	7.89
355.97	Student Property Deposit Scholarship Fund - Temporary	355.97	16.58	6.50
57.96	Reserve for Possible Fire Losses - Temporary Student Housing Units	57.96	.75	6.50
135.36	Texas Union Building Fund	135.36	12.63	6.50
206.06	The William Buchanan Chair in Internal Medicine - DMS	206.06	(1.39)	7.64
443.69	U.T. System - General Tuition Revenue Bonds, Series 1971 - Interest and Sinking Fund	443.69	22.18	6.50

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
<u>U.S. GOVERNMENT AGENCY OBLIGATIONS: (Continued)</u>				
\$ 77.33	U.T. System - General Tuition Revenue Bonds, Series 1971 - Reserve Fund	\$ 77.33	\$ 3.87	6.50%
935.03	U.T. Austin - Dormitory Revenue Bond Fund, Series 1954 - Reserve Fund	935.03	(16.32)	8.00
83.49	U.T. Austin - Dormitory Revenue Bond Fund, Series 1956 - Reserve Fund	83.49	(4.24)	8.00
1,010.26	U.T. Austin - Student Housing Revenue Bonds of 1963 - Reserve Fund	1,010.26	(.88)	8.00
5,363.46	U.T. Austin - Housing System Revenue Bonds, Series 1967 - Reserve Fund	5,363.46	264.18	7.97
28,844.11	U.T. Austin - Building Revenue Bonds, Series 1969 - Utility Plant - Student Fee Revenue Bonds Reserve Fund	28,844.11	(1,934.78)	8.00
541.41	U.T. Austin - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	541.41	19.97	6.88
193.64	U.T. Austin - Student Union Revenue Bonds, Series 1958 - Reserve Fund	193.64	-0-	8.00
1,835.42	U.T. Galveston - Dormitory Revenue Bonds, Series 1955 - Reserve Fund	1,835.42	.10	7.87
25.19	U.T. El Paso - Student Housing Revenue Bonds of 1961 - Reserve Fund	25.19	.77	6.50
4,936.75	U.T. El Paso - Building Revenue Bonds, Series 1969, Reserve Fund	4,936.75	107.47	7.90
642.16	U.T. El Paso - Student Union Building Revenue Bonds, Series A and B, 1967 - Reserve Fund	642.16	(1.78)	8.00
68.28	U.T. El Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	68.28	2.77	7.24
531.21	U.T. Arlington - Housing System Revenue Bonds - Series 1963 - Reserve Fund	531.21	1.39	7.92
619.64	U.T. Arlington - Student Center Fee Bonds - Series 1960 - Reserve Fund	619.64	-0-	8.00

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
<u>U.S. GOVERNMENT AGENCY OBLIGATIONS: (Continued)</u>				
\$ 639.01	U.T. Arlington - Gymnasium Fee Bonds - Series 1961 - Reserve Fund	\$ 639.01	\$ -0-	8.00%
2,297.58	U.T. Arlington - Student Fee Revenue Bonds - Series 1964, Series 1966, and Series 1968 - Reserve Fund	2,297.58	140.61	7.97
68.36	U.T. Arlington - Combined Fee Revenue Bonds, Series 1971 and 1971A - Reserve Fund	<u>68.36</u>	<u>3.39</u>	<u>6.50</u>
	TOTAL - U.S. Government Agency Obligations	<u>57,570.41</u>	(<u>1,488.13</u>)	<u>7.92%</u>
<u>CORPORATE BONDS:</u>				
See Bond Sales Schedule for Detail				
370,000.00	Common Trust Fund	369,320.60	18,405.16	7.51%
41,000.00	Winedale Stagecoach Inn - Varner Acreage	33,989.41	3,719.21	7.10
24,000.00	Texas Student Publications - Reserve - Facilities & Contingencies	<u>18,443.78</u>	(<u>6,124.22</u>)	<u>7.17</u>
	TOTAL - Corporate Bonds	<u>421,753.79</u>	<u>16,000.15</u>	<u>7.46%</u>
<u>CORPORATE STOCKS:</u>				
See Stock Sales Schedule for Detail				
	Common Trust Fund	127,137.50	(34,122.94)	5.02%
	Hogg Foundation: W.C. Hogg Estate Fund	43,487.50	9,667.68	4.40
	Hogg Foundation: Varner Properties	24,675.00	3,796.38	3.98
	Winedale Stagecoach Inn - Varner Acreage	9,712.50	(9,398.49)	6.80
	Josephine Clardy Fox Estate Fund - UTEP	24,658.00	1,656.87	5.69
	The Robertson Poth Foundation	64,148.46	1,855.07	3.89
	The Libbie Moody Thompson Memorial Trust - GMB	<u>90,000.00</u>	<u>7,500.00</u>	<u>4.22</u>
	TOTAL - Corporate Stocks	<u>383,818.96</u>	(<u>19,045.43</u>)	<u>4.59%</u>
	TOTAL - LONG TERM INVESTMENTS SOLD	<u>\$863,143.16</u>	<u>(\$ 4,533.41)</u>	

ITEMS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Principal Proceeds</u>	<u>Profit or (Loss)</u>	<u>Yield</u>
	<u>BONDS EXCHANGED OUT:</u>			
	See Bond Exchange Schedule for Detail			
\$275,000.00	Common Trust Fund	\$225,025.60	-0-	7.44%
85,000.00	Hogg Foundation: Varner Properties	84,076.32	-0-	4.73
	<u>COMMERCIAL PAPER:</u>			
53,500.00	FMC 4-3/8% Note, due 2/18/72 (\$50,000 - Hogg Foundation: Program Support 2,500 - Hogg Foundation: Maintenance, Op- eration & Equipment 1,000 - Hogg Foundation: Travel for Hogg Fdn. Administration)	53,500.00	-0-	4.40714
90,000.00	SRAC 5-1/2% Note, due 2/18/72 (\$70,000 - Garcie M. Schoolfield Memorial Fund for Can- cer Research - SAMS 20,000 - Development Board Projects & Publications)	90,000.00	-0-	5.56464
300,000.00	FMC 3-3/8% Note, due 3/6/72 (Common Trust Fund - Pre- paid on 2/23/72)	300,000.00	-0-	3.384837
34,700.00	SRAC 4-3/4% Note, due 2/28/72 (\$17,000 - College of Engineering Ford Foundation Grant - Various Purposes 700 - Common Trust Fund 17,000 - The Robertson Poth Foundation)	34,700.00	-0-	4.80708

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(February, 1972)

BOND EXCHANGES

<u>PAR VALUE</u>	<u>ISSUE EXCHANGED</u>	<u>DESCRIPTION</u>	<u>ISSUE RECEIVED</u>	<u>BOOK VALUE</u>		<u>BOOK</u>	<u>NEW</u>
				<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>	<u>YIELD IN- CREASE</u>	<u>BOOK YIELD</u>
\$ 50,000	Northern Illinois Gas Co. 1st Mtge., 5%, due 6/1/84	Central Ill. Pub. Serv. Co. 1st Mtge., 4-3/4%, due 1/1/89	\$ 48,524.32	\$ 45,102.32	.33%	5.66%	\$ 205.98*
100,000	Ditto	Northern Illinois Gas Co. 1st Mtge., 4-5/8%, due 8/1/90	75,283.55	66,510.55	-.06	8.17	\$ 72.05
100,000	Lone Star Gas Co. SF Debs., 6-1/8%, due 6/15/92	Niagara Mohawk Power Corp. Gen. Mtge., 6-1/4%, due 8/1/97	81,813.63	79,543.63	.20	8.17	\$ 198.96
25,000	Chesapeake & Potomac Tel. Co. (Washington, D. C.) Debs., 5-5/8%, due 7/1/2006	Commonwealth Edison Co. SF Debs., 3-7/8%, due 1/1/2008	19,404.10	13,462.35	.23	7.67	\$ 136.70
<u>\$ 275,000</u>			<u>\$ 225,025.60</u>	<u>\$ 204,618.85</u>		<u>\$ 613.69</u>	(Total Income Improvement)

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(February, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 250,000.00	New England Tel. & Tel. Co., Debs., 8.20%, due 6/1/2004	\$266,250.00	\$ 16,250.00	7.65%
5,000.00	Gulf States Utilities Co., Debs., 4-5/8%, due 10/1/81	4,145.05	576.25	7.10
15,000.00	Northern Illinois Gas Co., 1st Mtge., 5%, due 6/1/84	12,227.55	277.12	7.30
100,000.00	Southern California Edison Co., 1st & Ref. Mtge., 5-7/8%, due 5/15/92	86,698.00	1,301.79	7.12
338.20	GNMA, Pool #852, 6-1/2%, due 1/15/2002	338.20	39.23	6.50
<u>324.38</u>	GNMA, Pool #920, 8%, due 9/15/2001	<u>324.38</u>	(<u> .88</u>)	<u>8.00</u>
<u>\$ 370,662.58</u>		<u>\$369,983.18</u>	<u>\$ 18,443.51</u>	<u>7.51%</u>

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
2,100 Shs.	American Can Company Common	\$ 67,987.50	(\$ 36,429.88)	6.80%
1,300 "	Owens-Illinois, Inc. Common	<u>59,150.00</u>	<u>2,306.94</u>	<u>2.97</u>
		<u>\$127,137.50</u>	<u>(\$ 34,122.94)</u>	<u>5.02%</u>

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(February, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 80,000	Arkansas Power & Light Co., 1st Mtge., 5-3/4%, due 3/1/96	\$ 80.64	\$ 64,512.00	7.50%
30,000	Duquesne Light Co., 1st Mtge., 3-1/2%, due 4/1/86	66.202	19,860.60	7.40
100,000	Georgia Power Co., 1st Mtge., 5-1/4%, due 6/1/87	81.70	81,700.00	7.25
58,000	Niagara Mohawk Power Corp., Gen. Mtge., 3-5/8%, due 5/1/86	66.47	38,552.60	7.50
107,000	Pacific Gas & Electric Co., 1st & Ref. Mtge., 5%, due 6/1/89	78.026	83,487.71	7.25
50,000	Pacific Tel. & Tel. Co., Debs., 4-5/8%, due 5/1/2000	68.64	34,320.00	7.25
25,000	Southern Electric Generating Co., 1st Mtge., 5-1/4%, Series 1960, due 6/1/92	76.734	19,183.50	7.50
<u>122,000</u>	Commonwealth Edison Co., SF Debs., 3-7/8%, due 1/1/2008	57.882	<u>70,616.04</u>	<u>7.15</u>
<u>\$ 572,000</u>			<u>\$ 412,232.45</u>	<u>7.31%</u>

STOCK PURCHASES

<u>NO. OF SHS. PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
290 Shs.	Commonwealth Edison Company Common	\$ 35.00	\$ 10,150.00	6.29%
290 Warrants	Commonwealth Edison Company Warrants (Subscription Offer to purchase Common Stock at \$30.00 per share)	10.00	<u>2,900.00</u>	<u>-0-</u>
			<u>\$ 13,050.00</u>	<u>6.29%</u>

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HOGG FOUNDATION: W. C. HOGG ESTATE FUND
(February, 1972)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 3,982.99	GNMA, Pool #95, 8%, due 12/15/2000	\$ 3,982.99	(\$ 180.03)	8.00%
65.44	GNMA, Pool #163, 8%, due 2/15/2001	65.44	3.37	8.00
62.68	GNMA, Pool #548, 8%, due 4/15/2001	62.68	(3.70)	8.00
45.19	GNMA, Pool #650, 8%, due 2/15/2001	45.19	.98	8.00
24.79	GNMA, Pool #708, 6-1/2%, due 11/15/2001	24.79	1.24	6.50
96.72	GNMA, Pool #852, 6-1/2%, due 1/15/2002	96.72	(1.62)	6.50
<u>94.22</u>	GNMA, Pool #920, 8%, due 9/15/2001	<u>94.22</u>	(<u>1.64</u>)	<u>8.00</u>
<u>\$ 4,372.03</u>		<u>\$ 4,372.03</u>	<u>(\$ 181.40)</u>	<u>7.96%</u>

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
500 Shs.	American Can Company Common	\$ 16,187.50	\$ 117.84	6.80%
600 Shs.	Owens-Illinois, Inc. Common	<u>27,300.00</u>	<u>9,549.84</u>	<u>2.97</u>
		<u>\$ 43,487.50</u>	<u>\$ 9,667.68</u>	<u>4.40%</u>

HOGG FOUNDATION: W. C. HOGG ESTATE FUND
(February, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 27,000	Alabama Power Co., 1st Mtge., 4-7/8%, due 5/1/89	\$ 74.45	\$ 20,101.50	7.55%
6,000	Georgia Power Co., 1st Mtge., 5-1/4%, due 6/1/87	81.70	4,902.00	7.25
25,000	Commonwealth Edison Co., 1st Mtge., 4-5/8%, due 3/1/90	73.83	18,457.50	7.25
25,000	Philadelphia Electric Co., 1st & Ref. Mtge., 4-1/2%, due 5/1/94	69.03	17,257.50	7.35
75,000	Idaho Power Co., 1st Mtge., 4-3/4%, due 11/15/87	75.223	56,417.25	7.45
25,000	Utah Power & Light Co., 1st Mtge., 4-1/2%, due 6/1/92	68.984	17,246.00	7.50
140,000	Tampa Electric Co., 1st Mtge., 4-1/2%, due 5/1/93	70.031	98,043.70	7.30
25,000	Florida Power Corp., 1st Mtge., 3-7/8%, due 7/1/86	69.508	17,377.00	7.35
<u>50,000</u>	Niagara Mohawk Power Corp., Gen. Mtge., 4-5/8%, due 12/1/94	68.014	<u>34,007.00</u>	<u>7.60</u>
<u>\$ 398,000</u>			<u>\$ 283,809.45</u>	<u>7.40%</u>

STOCK PURCHASES

<u>NO. OF SHS. PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
190 Shs.	Commonwealth Edison Company Common	\$ 35.00	\$ 6,650.00	6.29%
190 Warrants	Commonwealth Edison Company Warrants (Subscription Offer to purchase Common Stock at \$30.00 per share)	10.00	<u>1,900.00</u>	<u>-0-</u>
			<u>\$ 8,550.00</u>	<u>6.29%</u>

HOGG FOUNDATION: VARNER PROPERTIES

(February, 1972)

BOND EXCHANGES

<u>PAR VALUE</u>	<u>DESCRIPTION</u>	<u>BOOK VALUE</u>		<u>BOOK YIELD IN- CREASE</u>	<u>NEW BOOK YIELD</u>
		<u>ISSUE EXCHANGED</u>	<u>ISSUE RECEIVED</u>		
\$ 75,000	Mountain States Tel. & Tel. Co. Debs., 4-1/2%, due 6/1/2002	\$ 74,388.78	\$ 74,202.78	.02%	4.57%
	Mountain States Tel. & Tel. Co. Debs., 4-1/2%, due 6/1/2002			\$	19.40*
10,000	New Jersey Bell Tel. Co. Debs., 5-7/8%, due 12/1/2006	9,687.54	7,792.94	.02	6.11
	Ditto			\$	58.56
<u>\$ 85,000</u>		<u>\$ 84,076.32</u>	<u>\$ 81,995.72</u>	<u>\$</u>	<u>77.96</u>
					(Total Income Improvement)

BOND SALES AND MATURITIES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 372.87	GNMA, Pool #95, 8%, due 12/15/2000	\$ 372.87	\$ 42.47	8.00%
97.54	GNMA, Pool #163, 8%, due 2/15/2001	97.54	3.02	8.00
99.12	GNMA, Pool #708, 6-1/2%, due 11/15/2001	99.12	11.22	6.50
31.43	GNMA, Pool #920, 8%, due 9/15/2001	31.43	(1.69)	8.00
<u>\$ 600.96</u>		<u>\$ 600.96</u>	<u>\$ 55.02</u>	<u>7.75%</u>

*Total Income Improvement, including income from investment of takeout (payup) on exchange.

HOGG FOUNDATION: VARNER PROPERTIES
(February, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 25,000	New York State Electric & Gas Corp., SF Debs., 4-1/2%, due 6/1/92	\$ 68.984	\$ 17,246.00	7.50%

STOCK PURCHASES

<u>NO. OF SHS. PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
89 Shs.	Commonwealth Edison Company Common	\$ 35.00	\$ 3,115.00	6.29%
89 Warrants	Commonwealth Edison Company Warrants (Subscription Offer to purchase Common Stock at \$30.00 per share)	10.00	890.00	-0-
			\$ 4,005.00	6.29%

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
200 Shs.	American Can Company Common	\$ 6,475.00	(\$ 1,821.12)	6.80%
400 Shs.	Owens-Illinois, Inc. Common	18,200.00	5,617.50	2.97
		\$ 24,675.00	\$ 3,796.38	3.98%

WINEDALE STAGECOACH INN - VARNER ACREAGE
(February, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST</u>		<u>YIELD</u>
			<u>UNIT</u>	<u>TOTAL</u>	
\$ 34,000	Northern Illinois Gas Co., 1st Mtge., 5%, due 6/1/84	\$ 81.15		\$ 27,591.00	7.35%
<u>24,000</u>	Florida Power Corp., 1st Mtge., 3-5/8%, due 11/1/83	71.375		<u>17,130.00</u>	<u>7.30</u>
<u>\$ 58,000</u>				<u>\$ 44,721.00</u>	<u>7.33%</u>

BOND SALES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>\$ 41,000</u>	Gulf States Utilities Co., Debs., 4-5/8%, due 10/1/81	<u>\$ 33,989.41</u>	<u>\$ 3,719.21</u>	<u>7.10%</u>

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
300 Shs.	American Can Company Common	<u>\$ 9,712.50</u>	<u>(\$ 9,398.49)</u>	<u>6.80%</u>

JOSEPHINE CLARDY FOX ESTATE FUND - U. T. EL PASO
(February, 1972)

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
1,404 Shs.	El Paso Natural Gas Company Common	<u>\$ 24,658.00</u>	<u>\$ 1,656.87</u>	<u>5.69%</u>

THE ROBERTSON POTH FOUNDATION

(February, 1972)

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
300 Shs.	American Can Company Common	\$ 9,712.50	(\$ 6,023.75)	6.80%
216 Shs.	First National City Corporation Common	10,206.00	6,218.50	2.79
460 Shs.	Johns-Manville Corporation Common	17,744.50	4,200.75	3.11
180 Shs.	North American Rockwell Corporation Common	6,345.00	(549.64)	3.97
200 Shs.	Otis Elevator Company Common	7,921.71	(2,990.79)	5.05
250 Shs.	The Western Union Telegraph Company Common	<u>12,218.75</u>	<u>1,000.00</u>	<u>2.86</u>
		<u>\$ 64,148.46</u>	<u>\$ 1,855.07</u>	<u>3.89%</u>

STOCK PURCHASES

<u>NO. OF SHS. PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
200 Shs.	Chemical New York Corporation Common	\$ 53.125	\$ 10,625.00	5.42%
30 Shs.	International Business Machines Corporation Capital	370.416	11,112.50	1.46
300 Shs.	International Paper Company Common	34.125	10,237.50	4.40
400 Shs.	Oklahoma Gas & Electric Company Common	25.875	10,350.00	4.95
200 Shs.	Texas Utilities Company Common	58.00	11,600.00	3.45
200 Shs.	United States Fidelity and Guaranty Company Capital	42.475	<u>8,495.00</u>	<u>5.18</u>
			<u>\$ 62,420.00</u>	<u>4.07%</u>

THE LIBBIE MOODY THOMPSON MEMORIAL TRUST - GALVESTON MEDICAL BRANCH
(February, 1972)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>CURRENT YIELD</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 5,000	American Tel. & Tel. Co., Debs., 4-3/4%, due 6/1/98	\$ 73.072	\$ 3,653.60	6.50%
5,000	General Motors Acceptance Corp., Debs., 4-5/8%, due 6/15/86	77.130	3,856.50	6.00
4,000	Pacific Gas & Electric Co., 1st & Ref. Mtge., 5%, due 6/1/91	77.177	3,087.08	6.48
5,000	Pacific Tel. & Tel. Co., Debs., 5-1/8%, due 8/1/80	88.048	4,402.40	5.82
30,000	Connecticut Light & Power Co., 1st & Ref. Mtge., 4-7/8%, due 2/1/90	74.317	22,295.10	6.56
30,000	Iowa Public Service Co., 1st Mtge., 4-3/8%, due 9/1/93	66.062	19,818.60	6.63
<u>46,000</u>	Florida Power Corp., 1st Mtge., 3-5/8%, due 11/1/83	71.375	<u>32,832.50</u>	<u>5.08</u>
<u>\$ 125,000</u>			<u>\$ 89,945.78</u>	<u>5.97%</u>

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
10,000 Shs.	American National Insurance Company Capital	<u>\$ 90,000.00</u>	<u>\$ 7,500.00</u>	<u>4.22%</u>

TEXAS STUDENT PUBLICATIONS - RESERVE - FACILITIES & CONTINGENCIES
(February, 1972)

BOND SALES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
\$ 5,000	Pennsylvania Electric Co., 1st Mtge., 4-5/8%, due 10/1/94	\$ 3,444.20	(\$ 1,661.80)	7.50%
5,000	American Tel. & Tel. Co., Debs., 4-3/4%, due 6/1/98	3,653.60	(1,396.40)	7.00
5,000	General Motors Acceptance Corp., Debs., 4-5/8%, due 6/15/86	3,856.50	(1,207.50)	7.20
4,000	Pacific Gas & Electric Co., 1st & Ref. Mtge., 5%, due 6/1/91	3,087.08	(1,082.92)	7.20
<u>5,000</u>	Pacific Tel. & Tel. Co., Debs., 5-1/8%, due 8/1/80	<u>4,402.40</u>	(<u>775.60</u>)	<u>7.00</u>
<u>\$ 24,000</u>		<u>\$ 18,443.78</u>	<u>(\$ 6,124.22)</u>	<u>7.17%</u>

BOND SALES AND MATURITIES
(February, 1972)

RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS

<u>\$ 57.96</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>\$ 57.96</u>	<u>\$.75</u>	<u>6.50%</u>
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TEXAS UNION BUILDING FUND

<u>\$ 135.36</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>\$ 135.36</u>	<u>\$ 12.63</u>	<u>6.50%</u>
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THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL

\$ 156.78	GNMA, Pool #650, 8%, due 2/15/2001	\$ 156.78	(\$ 5.20)	8.00%
<u>49.28</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>49.28</u>	<u>3.81</u>	<u>6.50</u>
<u>\$ 206.06</u>		<u>\$ 206.06</u>	<u>(\$ 1.39)</u>	<u>7.64%</u>

BOND SALES AND MATURITIES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND</u>				
\$ 1,313.02	GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,313.02	(\$ 37.47)	8.00%
565.43	GNMA, Pool #184, 8%, due 4/1/2001	565.43	-0-	8.00
<u>145.02</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>145.02</u>	<u>.10</u>	<u>6.50</u>
<u>\$ 2,023.47</u>		<u>\$ 2,023.47</u>	<u>(\$ 37.37)</u>	<u>7.89%</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY</u>				
\$ 193.59	GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 193.59	\$ 9.68	6.50%
<u>162.38</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>162.38</u>	<u>6.90</u>	<u>6.50</u>
<u>\$ 355.97</u>		<u>\$ 355.97</u>	<u>\$ 16.58</u>	<u>6.50%</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971 - INTEREST AND SINKING FUND</u>				
<u>\$ 443.69</u>	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	<u>\$ 443.69</u>	<u>\$ 22.18</u>	<u>6.50%</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971 - RESERVE FUND</u>				
<u>\$ 77.33</u>	GNMA, Pool #708, 6-1/2%, due 11/15/2001	<u>\$ 77.33</u>	<u>\$ 3.87</u>	<u>6.50%</u>

BOND SALES AND MATURITIES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND</u>				
\$ 658.37	GNMA, Pool #184, 8%, due 4/1/2001	\$ 658.37	\$ -0-	8.00%
<u>276.66</u>	GNMA, Pool #548, 8%, due 4/15/2001	<u>276.66</u>	(<u>16.32</u>)	<u>8.00</u>
<u>\$ 935.03</u>		<u>\$ 935.03</u>	(<u>\$ 16.32</u>)	<u>8.00%</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND</u>				
\$ 56.92	GNMA, Pool #548, 8%, due 4/15/2001	\$ 56.92	(\$ 3.36)	8.00%
<u>26.57</u>	GNMA, Pool #650, 8%, due 2/15/2001	<u>26.57</u>	(<u>.88</u>)	<u>8.00</u>
<u>\$ 83.49</u>		<u>\$ 83.49</u>	(<u>\$ 4.24</u>)	<u>8.00%</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND</u>				
\$ 983.69	GNMA, Pool #184, 8%, due 4/1/2001	\$ 983.69	\$ -0-	8.00%
<u>26.57</u>	GNMA, Pool #650, 8%, due 2/15/2001	<u>26.57</u>	(<u>.88</u>)	<u>8.00</u>
<u>\$ 1,010.26</u>		<u>\$ 1,010.26</u>	(<u>\$.88</u>)	<u>8.00%</u>

BOND SALES AND MATURITIES
(February, 1972)

<u>PAR VALUE</u>	<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>				
\$ 4,463.45	GNMA, Pool #121, 8%, due 11/15/2000	\$ 4,463.45	\$ 266.09	8.00%
588.66	GNMA, Pool #184, 8%, due 4/1/2001	588.66	-0-	8.00
92.94	GNMA, Pool #548, 8%, due 4/15/2001	92.94	(5.48)	8.00
101.54	GNMA, Pool #650, 8%, due 2/15/2001	101.54	(3.37)	8.00
38.62	GNMA, Pool #708, 6-1/2%, due 11/15/2001	38.62	1.93	6.50
<u>78.25</u>	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	<u>78.25</u>	<u>5.01</u>	<u>6.50</u>
<u>\$ 5,363.46</u>		<u>\$ 5,363.46</u>	<u>\$ 264.18</u>	<u>7.97%</u>

<u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u> <u>UTILITY PLANT - STUDENT FEE REVENUE BONDS RESERVE FUND</u>				
\$ 28,711.61	GNMA, Pool #121, 8%, due 11/15/2000	\$ 28,711.61	(\$ 1,931.31)	8.00%
75.65	GNMA, Pool #548, 8%, due 4/15/2001	75.65	(4.46)	8.00
<u>56.85</u>	GNMA, Pool #920, 8%, due 9/15/2001	<u>56.85</u>	<u>.99</u>	<u>8.00</u>
<u>\$ 28,844.11</u>		<u>\$ 28,844.11</u>	<u>(\$ 1,934.78)</u>	<u>8.00%</u>

BOND SALES AND MATURITIES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND</u>				
\$ 135.55	GNMA, Pool #184, 8%, due 4/1/2001	\$ 135.55	\$ -0-	8.00%
<u>405.86</u>	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	<u>405.86</u>	<u>19.97</u>	<u>6.50</u>
<u>\$ 541.41</u>		<u>\$ 541.41</u>	<u>\$ 19.97</u>	<u>6.88%</u>
<u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND</u>				
<u>\$ 193.64</u>	GNMA, Pool #184, 8%, due 4/1/2001	<u>\$ 193.64</u>	<u>\$ -0-</u>	<u>8.00%</u>
<u>U. T. GALVESTON - DORMITORY REVENUE BONDS, SERIES 1955 - RESERVE FUND</u>				
\$ 1,673.04	GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,673.04	\$ -0-	8.00%
<u>162.38</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>162.38</u>	<u>.10</u>	<u>6.50</u>
<u>\$ 1,835.42</u>		<u>\$ 1,835.42</u>	<u>\$.10</u>	<u>7.87%</u>
<u>U. T. EL PASO - STUDENT HOUSING REVENUE BONDS OF 1961 - RESERVE FUND</u>				
<u>\$ 25.19</u>	GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>\$ 25.19</u>	<u>\$.77</u>	<u>6.50%</u>

BOND SALES AND MATURITIES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969, RESERVE FUND</u>				
\$ 4,040.68	GNMA, Pool #121, 8%, due 11/15/2000	\$ 4,040.68	\$ 87.20	8.00%
573.17	GNMA, Pool #184, 8%, due 4/1/2001	573.17	-0-	8.00
10.02	GNMA, Pool #920, 8%, due 9/15/2001	10.02	.25	8.00
<u>312.88</u>	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	<u>312.88</u>	<u>20.02</u>	<u>6.50</u>
<u>\$ 4,936.75</u>		<u>\$ 4,936.75</u>	<u>\$ 107.47</u>	<u>7.90%</u>
<u>U. T. EL PASO - STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B, 1967 - RESERVE FUND</u>				
\$ 611.90	GNMA, Pool #184, 8%, due 4/1/2001	\$ 611.90	\$ -0-	8.00%
<u>30.26</u>	GNMA, Pool #548, 8%, due 4/15/2001	<u>30.26</u>	(<u>1.78</u>)	<u>8.00</u>
<u>\$ 642.16</u>		<u>\$ 642.16</u>	(<u>\$ 1.78</u>)	<u>8.00%</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND</u>				
\$ 33.46	GNMA, Pool #920, 8%, due 9/15/2001	\$ 33.46	\$.54	8.00%
<u>34.82</u>	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	<u>34.82</u>	<u>2.23</u>	<u>6.50</u>
<u>\$ 68.28</u>		<u>\$ 68.28</u>	<u>\$ 2.77</u>	<u>7.24%</u>

BOND SALES AND MATURITIES
(February, 1972)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND</u>				
\$ 503.46	GNMA, Pool #184, 8%, due 4/1/2001	\$ 503.46	\$ -0-	8.00%
27.75	GNMA, Pool #708, 6-1/2%, due 11/15/2001	27.75	1.39	6.50
\$ 531.21		\$ 531.21	\$ 1.39	7.92%
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND</u>				
\$ 619.64	GNMA, Pool #184, 8%, due 4/1/2001	\$ 619.64	\$ -0-	8.00%
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND</u>				
\$ 639.01	GNMA, Pool #184, 8%, due 4/1/2001	\$ 639.01	\$ -0-	8.00%
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND</u>				
\$ 2,121.97	GNMA, Pool #121, 8%, due 11/15/2000	\$ 2,121.97	\$ 145.86	8.00%
125.36	GNMA, Pool #548, 8%, due 4/15/2001	125.36	(7.39)	8.00
50.25	GNMA, Pool #852, 6-1/2%, due 1/15/2002	50.25	2.14	6.50
\$ 2,297.58		\$ 2,297.58	\$ 140.61	7.97%
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971 & 1971A - RESERVE FUND</u>				
\$ 39.67	GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 39.67	\$ 1.98	6.50%
28.69	GNMA, Pool #1029, 6-1/2%, due 12/15/2001	28.69	1.41	6.50
\$ 68.36		\$ 68.36	\$ 3.39	6.50%