

TEXAS TECHNOLOGICAL COLLEGE

LUBBOCK, TEXAS

MINUTES OF BOARD OF DIRECTORS MEETING

1961-1962

VOLUME I

MINUTES OF
BOARD OF DIRECTORS MEETING
FEBRUARY 17, 1962

Lubbock, Texas
February 17, 1962

1702. The Board of Directors of Texas Technological College met in regular session in the Office of the President on Saturday, February 17, 1962, at 9:30 a.m. The following Directors were present: Chairman Wall, Vice Chairman Hinn, Mr. Allison, Mr. DeBusk, Mr. Lindsey, Mr. McLaughlin, Mr. Smith, and Mr. Wooldridge. In addition, President Goodwin, Vice President and Comptroller Pennington, Academic Vice President Pearce, and Secretary Wells were present.

1703. Mr. Joe Passmore, President; Mr. Frankie Claunts, Second Vice President; Mr. Harry Meissner, Executive Secretary; and Mr. Lewis N. Jones and Mr. Robert J. Hilliard, Advisors for the Alpha Phi Omega Fraternity, entered the Board room at 9:32 a.m. and presented Director Hinn with a plaque in appreciation for his contribution to the Christmas lights on the Texas Technological College Campus. The presentation was made by Mr. Joe Passmore from Odessa, Texas, Chapter President.

Mr. Ralph Carpenter, Editor of the Toreador, the College newspaper, presented Mr. Hinn with a color picture of the Christmas lights.

Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board Members by a unanimous vote, expressed their appreciation to the Alpha Phi Omega group and to the representatives of the Toreador for the recognition given Mr. Hinn.

1704. Upon motion made by Mr. Lindsey, seconded by Mr. Hinn, the Board by a unanimous vote, approved the Minutes of the December 9, 1961 Board Meeting.

1705. Upon motion made by Mr. DeBusk, seconded by Mr. Smith, the Board by a unanimous vote, approved the Agenda under the date of February 7, 1962, Items No. 1119 through No. 1701 (page 1 through page 58). A copy of the approved Agenda is attached and made a part of the Minutes. Attachment No. 1.

1706. Upon motion made by Mr. Lindsey, seconded by Mr. Hinn, the Board by a unanimous vote, voted to confer the Honorary Degree Doctor of Laws (LL.D.) upon the Honorable George Herman Mahon, Member of Congress, at the 1962 Spring Commencement. A brief statement concerning Congressman Mahon is attached and made a part of the Minutes. Attachment No. 31.

1707. Dr. George G. Heather, Dean of the School of Business Administration, gave a report on the School of Business Administration. A copy of the report is attached and made a part of the Minutes. Attachment No. 32.

1708. Dr. William M. Pearce, Academic Vice President, gave a progress report on the Self-Study Program at Texas Technological College.

1709. Mr. William H. Butterfield, Vice President for Development, gave a report on several Texas Technological College Foundation projects. A copy of the report is attached and made a part of the Minutes. Attachment No. 33.

1710. Secretary Wells gave a brief report on the progress being made on the Policies and Procedures of the Board of Directors.

1711. President Goodwin presented a proposed Research and Patent Policy for Texas Technological College. This was referred to the Public Relations and Legislative Committee for study. (Committee: Mr. Lindsey, Mr. Smith and Mr. Armstrong).

1712. Upon motion made by Mr. Lindsey, seconded by Mr. Hinn, the Board by a unanimous vote, approved the statement covering the payment of membership dues in various Associations and Organizations for the period, December 1, 1961 through January 31, 1962.

1713. Upon motion made by Mr. Smith, seconded by Mr. Lindsey, the Board by a unanimous vote, approved the Small Class Report for the 1962 Spring Semester. A copy of the Report is attached and made a part of the Minutes. Attachment No. 23.

1714. Upon motion made by Mr. Lindsey, seconded by Mr. Wooldridge, the Board by a unanimous vote, approved discontinuing the Evening Program concept at Texas Technological College.

1715. The Academic Programs Committee of the Board met in the Office of the President on Friday afternoon, February 16, 1962, to consider recommendations on course changes, State-supported research projects and to formulate recommendations to be made to the Board on Saturday, February 17, 1962. The next five (5) items, No. 1716 through No. 1720, will record the official action of the Board following the recommendations of the Academic Programs Committee.

1716. Upon motion made by Mr. Wooldridge, seconded by Mr. Lindsey, the Board by a unanimous vote, approved the addition of one (1) new course and the deletion of one (1) existing course as listed below:

ADDITION

<u>Course No.</u>	<u>Title</u>	<u>Date</u>
Agricultural Engineering 233	<u>Agricultural Processing</u> <u>and Utilities</u>	September 1, 1962

DELETION

Agricultural Engineering 121	<u>Problems in Agricultural</u> <u>Engineering</u>	September 1, 1962
---------------------------------	---	-------------------

1717. Upon motion made by Mr. Wooldridge, seconded by Mr. Lindsey, the Board by a unanimous vote, approved the Organized Research Project: "Demographic Characteristics of Migrants to a High Migrancy Area," and approved the budget, in the amount of \$1,630.00, for the Project. A copy of the budget is attached and made a part of the Minutes. Attachment No. 4, Account No. 1706. This Project will be financed from the State Appropriation for Organized Research. (Principal Investigator, Dr. Winfred George Steglich). The approval of this Project is contingent upon the availability of funds.

1718. Upon motion made by Mr. Wooldridge, seconded by Mr. Lindsey, the Board by a unanimous vote, approved the Organized Research Project: "The Nature of the Texas Daily Newspaper: A Comparison and Evaluation," and approved the budget, in the amount of \$275.00, for the Project. A copy of the budget is attached and made a part of the Minutes. Attachment No. 5, Account No. 1707. This Project will be financed from the State Appropriation for Organized Research. (Principal Investigator, Mr. Wallace Earl Garets). The approval of this Project is contingent upon the availability of funds.

1719. Upon motion made by Mr. Wooldridge, seconded by Mr. Lindsey, the Board by a unanimous vote, approved the Organized Research Project: "World War I and the Conflict of Ideas: The United States in Transition, 1917-1921," and approved the budget, in the amount of \$1,116.00, for the Project. A copy of the budget is attached and made a part of the Minutes. Attachment No. 6, Account No. 1708. This Project will be financed from the State Appropriation for Organized Research. (Principal Investigator, Dr. Timothy Paul Donovan). The approval of this Project is contingent upon the availability of funds.

1

1720. A list of proposed Research Projects with the approximate budget requirements, which have been approved by the proper Research Committee, the Dean of the School concerned, the Graduate Dean, the Academic Vice President and the President, is attached. These were presented to the Academic Programs Committee on Friday, February 16, 1962, and the Committee recommended the approval of the Projects to the Board of Directors. The budget for each approved Project will be incorporated into the General Operating Budget which will be presented to the Board on April 14, 1962.

1720. (Continued) Upon motion made by Mr. Wooldridge, seconded by Mr. Lindsey, the Board by a unanimous vote, approved the proposed Projects, the approximate budget allocation, and authorized the inclusion of the separate Project budgets in the General Operating Budget for 1962-63. The proposed Projects and tentative budgets are attached and made a part of the Minutes. Attachment No. 17.

1721. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant NSF-G20422) in the amount of \$86,700.00, from the National Science Foundation, Washington 25, D. C., for the support of a "Summer Institute for High School Teachers of Biology." (Account No. 3034C).

1722. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant No. D-072) in the amount of \$24,000.00, from The Robert A. Welch Foundation, Houston, Texas, in support of a Research Project, "The Adsorption of Polar Compounds on Plate-Like Materials," and approved a budget in the amount of \$16,675.00 for the period, May 1, 1962 through April 30, 1963. This grant is for a two-year period, May 1, 1962 through April 30, 1964, and is a renewal of an existing grant. This Project is being directed by Dr. Arthur Lincoln Draper, Jr., Associate Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 10, Account No. 3104B.

1723. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant No. D-070) in the amount of \$24,000.00, from The Robert A. Welch Foundation, Houston, Texas, in support of a Research Project, "Studies of the Cyanoethylation Reaction," and approved a budget in the amount of \$12,000.00 for the period, May 1, 1962 through April 30, 1963. This grant is for a two-year period, May 1, 1962 through April 30, 1964, and is a renewal of an existing grant. This Project is being directed by Dr. Joe Alfred Adamcik, Associate Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 11, Account No. 3108B.

1724. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant No. D-028) in the amount of \$12,000.00, from The Robert A. Welch Foundation, Houston, Texas, in support of a Research Project, "Hydrocarbon Oxidation and the Reactions of Acyloxy Radicals," and approved a budget in the amount of \$12,000.00 for the period, May 1, 1962 through April 30, 1963. This grant is for one year and is a renewal of an existing grant. This Project is being directed by Dr. Henry Joseph Shine, Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 12, Account No. 3169A.

1725. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant No. D-075) in the amount of \$24,000.00, from The Robert A. Welch Foundation, Houston, Texas, in support of a Research Project, "The Thermal Rearrangement of Aquo-Ammine," and approved a budget in the amount of \$12,000.00 for the period, May 1, 1962 through April 30, 1963. This grant is for a two-year period, May 1, 1962 through April 30, 1964, and is a renewal of an existing grant. This Project is being directed by Dr. Wesley William Wendlandt, Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 13, Account No. 3178.

1726. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant No. D-094) in the amount of \$36,000.00, from The Robert A. Welch Foundation, Houston, Texas, in support of a Research Project, "Heterocyclic Nitrogen Containing Ligands," and approved a budget in the amount of \$12,000.00 for the period, May 1, 1962 through April 1, 1963. This is a new grant for a three-year period, May 1, 1962 through April 30, 1965. This Project will be directed by Dr. Fred Charles Trusell, Assistant Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 14, Account No. 3137.

1727. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant in the amount of \$77,020.00, from the Department of Health, Education, and Welfare, Office of Education, Washington 25, D. C., for the support of a "Summer Institute for Teachers of Spanish" to be conducted in Tucuman, Argentina, during the summer of 1962. This will be the second summer for the Institute but the first summer for it to be conducted in Tucuman. (Account No. 3910A).

1728. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant NSF-G20524) in the amount of \$66,700.00, from the National Science Foundation, Washington 25, D. C., for the support of a "Summer Institute for High School Teachers of Mathematics." This will be the second summer for the Institute. (Account No. 3035A).

1729. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, approved a Modification to Contract No. AT-(40-1)-2482 from the United States Atomic Energy Commission in the amount of \$12,943.00 to provide for the continuation of the current Research Project, "The Chemistry of the Solvated Metal Chelates of Uranium," and approved a budget in the amount of \$12,943.00 for the period, February 1, 1962 through January 31, 1963. This will be the fifth year for this Project. The Project is being directed by Dr. Wesley William Wendlandt, Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 13, Account No. 3107D.

1730. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant NSF-G21958) in the amount of \$11,400.00, from the National Science Foundation, Washington 25, D. C., in support of a Research Project, "Basic English Terminology for the International Tectonic Dictionary," under the direction of Dr. John G. Dennis, Assistant Professor of Geology, and approved a budget in the amount of \$11,400.00 for the period, February 1, 1962 through January 31, 1963. A copy of the budget is attached and made a part of the Minutes. Attachment No. 25, Account No. 3106.

1731. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant in the amount of \$10,000.00, from the Air Force Office of Scientific Research, Grant No. AF-AFOSR-61-48, for the support of a Research Project, "Reactions of Thioaromatic Compounds," and approved a budget in the amount of \$18,400.00 for the period, February 1, 1962 through January 31, 1963. This is the renewal of an existing grant. This Project is being directed by Dr. Henry Joseph Shine, Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 15, Account No. 3156A.

1732. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant in the amount of \$1,032.57, from the Research Corporation, Division of Grants, 405 Lexington Avenue, New York City 17, New York (Mr. Charles H. Schauer, Vice President and Secretary), for the support of a Research Project to be directed by Dr. Richard J. Thompson, Assistant Professor of Chemistry, and approved the budget for the Project. A copy of the budget is attached and made a part of the Minutes. Attachment No. 27, Account No. 3155.

1733. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant No. D-____) in the amount of approximately \$1,687.79, from The Robert A. Welch Foundation, Houston, Texas, in support of a Research Project, "Synthesis of Complex Rhenium Compounds," and approved a budget in the amount of approximately \$1,687.79 for the period, February 1, 1962 through April 30, 1962. This Project is under the direction of Dr. Richard J. Thompson, Assistant Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 28, Account No. 3167.

1734. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, accepted a grant (Grant No. D-____) in the amount of \$24,000.00, from The Robert A. Welch Foundation, Houston, Texas, in support of a Research Project, "Synthesis of Complex Rhenium Compounds," for a period of two years, May 1, 1962 through April 30, 1964, and approved a budget in the amount of \$12,000.00 for the period, May 1, 1962 through April 30, 1963. This Project is under the direction of Dr. Richard J. Thompson, Assistant Professor of Chemistry. A copy of the budget is attached and made a part of the Minutes. Attachment No. 29, Account No. 3167.

1735. The Finance Committee of the Board met on Friday, February 16, 1962, at 4:00 p.m., to consider recommendations on the Summer School Budget (Teaching Salaries); Workshop (General Operating Expenses); Summer Institutes and Workshops (Current Restricted Accounts); and Summer Workshops and Short Courses (Agency Accounts). The next two (2) items, No. 1736 through No. 1737, will record the official action of the Board following the recommendations of the Finance Committee.

1736. Upon motion made by Mr. DeBusk, seconded by Mr. Smith, the Board by a unanimous vote, approved the 1962 Summer School Budget for Teaching Salaries in the amount of \$365,652.00. (Re: Pages No. 12 through No. 66). A copy of the approved budget has been mailed to each individual or office receiving the Board Minutes. The approval also included the lapsing of \$12,856.00 from Teaching Salaries Only and \$11,400.00 from Departmental Operating Expenses reserved for the 1962 Summer School. (Re: Page 127, 1961-62 General Operating Budget).

1737. Upon motion made by Mr. DeBusk, seconded by Mr. Lindsey, the Board by a unanimous vote, approved the budgets for the 1962 Summer School Institutes and the 1962 Summer School Workshops. (Re: 1962 Summer School Budget, pages 68-93). A copy of the approved Summer School Budget has been mailed to each individual or office receiving the Board Minutes.

1738. The Board of Directors by Item No. 799, Board Minutes of November 3, 1961, approved a Resolution authorizing the execution of a Loan Agreement, subject to a satisfactory loan commitment, with the United States of America for a new Dormitory and Dining Facilities for Women, designated as HHFA Project No. CH-Tex-150(D).

The Board of Directors, by Item No. 1084, Board Minutes of December 9, 1961, approved incorporating the Loan Agreement, which was presented in the Agenda as Attachment No. 12, in the Minutes. The Loan Agreement was dated on December 1, 1961.

Mr. Henry G. Creel, Jr., Regional Director of Community Facilities, Housing and Home Finance Agency, Office of the Regional Administrator, 300 West Vickery Boulevard, Fort Worth 4, Texas, has requested the Board to adopt a new Resolution on February 17, 1962.

The following excerpt is from Mr. Creel's letter dated January 14, 1962:

"The Resolution forwarded was adopted by the Board on the 3rd day of November, 1961, whereas, the Loan Agreement itself is dated as of December 1, 1961, which we can only accept as satisfactory for the purposes of further processing the loan. At the next meeting of the Board of Directors, the Board must adopt a Resolution accepting this particular Loan Agreement which should be presented to the Board for due consideration and approval. Please let us have two certified copies of such Resolution upon adoption thereof."

Upon motion made by Mr. Hinn, seconded by Mr. Lindsey, the Board by a unanimous vote, adopted a Resolution accepting a Loan Agreement, dated December 1, 1961, between the Board of Directors of Texas Technological College and the United States of America, in the amount of \$3,816,000.00, to pay the development cost of the New Dormitory and Dining Facilities for Women, designated as HHFA Project No. CH-Tex-150(D). A copy of the Resolution is attached and made a part of the Minutes. Attachment No. 24.

1739. The Campus and Building Committee of the Board met on Friday afternoon, February 16, 1962 at 4:30 p.m., in the Office of the President, to consider recommendations from the Campus Planning Committee, and to formulate recommendations to be made to the Board on Saturday morning, February 17, 1962. The next ten (10) items, No. 1740 through No. 1749, will record the official action of the Board following the recommendations of the Campus and Building Committee.

1740. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, granted Cain and Cain, Contractor for the Chemical Engineering Building, a time extension of nine (9) days on the Chemical Engineering Building and approved the recommendation of the Campus Planning Committee that forty (40) days at \$50.00 per day for a total of \$2,000.00 be withheld from the Contractor for liquidated damages.

1741. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, approved the employment of George W. Short and Associates, Architects, Amarillo, Texas, as Architects and Engineers on the Killgore Beef Cattle Center at the Texas Technological College Research Farm at Pantex, Texas. These architects are to be employed to do the preliminary work usually done by the College and the fee for the project will be six per cent (6%).

1742. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, authorized the Campus Planning Committee to explore the possibility of employing an Interior Decorator for the entrance to the Garden Room of the New Library Building. The Campus Planning Committee will report their findings to the Campus and Building Committee before any action is taken. The over-all cost estimates are to be prepared and submitted to the Committee as a part of the report.

1743. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, requested that additional study be given to the "Building Name Signs." The Board approved a recommendation that a committee from the Board be appointed to work with the Campus Planning Committee.

1744. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, approved the employment of the Associated Architects and Engineers of Lubbock, Texas, at a fee of five per cent (5%), for the proposed new facilities for Psychology.

1745. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, approved February 14, 1962 as the final acceptance date for the Beef and Dairy Cattle Lot Paving and Grading from Mr. Frank Hodges, Contractor.

1746. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, granted a time extension of six (6) days on the New Science Building Addition to the Carl E. Maxey Construction Company, Contractor.

1747. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, accepted the low alternate base bid, without the additive alternate, of the Clyde Construction Company, Odessa, Texas, in the amount of \$71,949.25, for the construction of the necessary facilities for pumps, piping and storage for sewage effluent on the College Farm, with payment to be made from Building Funds. A copy of the Bid Tabulation is attached and made a part of the Minutes. Attachment No. 34.

1748. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a majority vote, authorized the Project Architects to proceed with working drawings, plans and specifications for air conditioning the Texas Tech Press Building; authorized the Campus and Building Committee to act for the Board in advertising for and receiving bids; and the awarding of a contract to the successful bidder. The estimated cost is \$25,000.00 and this is to be paid from Texas Tech Press Unappropriated Balance.

Mr. Wooldridge requested that his vote be recorded as "No."

1749. Upon motion made by Mr. Hinn, seconded by Mr. Smith, the Board by a unanimous vote, authorized Zumwalt and Vinther, Project Engineers, to proceed with working drawings and specifications to provide humidity and temperature controls in the spinning and carding rooms in the Textile Research Laboratories; authorized the Supervising Architect to prepare plans and specifications for the suspended ceiling in these areas; and authorized the Campus and Building Committee to act for the Board in receiving bids and awarding contracts between meetings. Of the total estimated cost of \$35,000.00, the amount of \$15,000.00 is presently available from the Textile Research Laboratory, and the difference between this amount and the project cost is to be advanced from College funds with reimbursement to be made by the Textile Research Laboratory at the rate of \$5,000.00 per year.

1750. President Goodwin made the following recommendations concerning the use of West Hall and the housing of athletes for the School Year, 1962-63:

- (1) Designate West Hall as a Residence Hall for Women for the School Year, 1962-63.
- (2) For the School Year, 1962-63, disperse the athletes in Sneed, Gordon and Bledsoe Halls. The Athletic Department will continue to provide meals, at the expense of the Athletic Department, in the presently used facilities in West Hall.
- (3) The cost of all services provided by the Dormitory Systems for the Athletic Department is to be based upon a fair evaluation of the ability of the Athletic Department to pay for these services, with a minimum charge equal to the payments for housing for the year, 1961-62.
- (4) These arrangements are to be considered as temporary and are to be reviewed during the School Year, 1962-63.
- (5) That the Athletic Department consider the possibility of securing the help of the Dormitory Food Service in the purchase of food for the Athletic Dining Room.

Upon motion made by Mr. DeBusk, seconded by Mr. Hinn, the Board by a unanimous vote, approved the recommendations of President Goodwin concerning the use of West Hall and the housing of athletes for the School Year, 1962-63, as recorded above.

1751. Upon motion made by Mr. Lindsey, seconded by Mr. McLaughlin, the Board by a unanimous vote, requested the Administration to continue a study of the Workmen's Compensation Insurance and to report its findings to the Board at the April meeting.

1752. Upon motion made by Mr. Wooldridge, seconded by Mr. McLaughlin, the Board by a unanimous vote, approved the following regular Board Meeting dates for the period, September 1, 1962 through August 31, 1963.

<u>Day and Date</u>	<u>Hour and Place</u>
Friday, October 26, 1962	1:30 P.M., Lubbock
Saturday, December 8, 1962	9:30 A.M., Lubbock
Saturday, February 9, 1963	9:30 A.M., Lubbock
Saturday, April 6, 1963	9:30 A.M., Lubbock
Monday, June 3, 1963	9:30 A.M., Lubbock
Saturday, August 24, 1963	9:30 A.M., Lubbock

1753. Upon motion made by Mr. Hinn, seconded by Mr. Lindsey, the Board by a unanimous vote, approved Friday evening, December 7, 1962, for the next Annual Board Dinner.

1754. Upon motion made by Mr. DeBusk, seconded by Mr. Wooldridge, the Board by a unanimous vote, approved the use of the pay plan as a basis of instructions for the preparation of the budgets.

1754. (Continued) Mr. Fredric J. Wehmeyer, Director of the Office of Classified Personnel, and Mr. Frank Ives, Consultant for the development of a pay plan for non-academic personnel, presented the proposed pay plan, as developed to date, to the Finance Committee and other Board Members on Friday evening, February 16, 1962. After careful consideration, the Finance Committee recommended that final approval of the pay plan be deferred until policy statements have been developed.

1755. Upon motion made by Mr. Hinn, seconded by Mr. McLaughlin, the Board by a unanimous vote, approved incorporating in the Board Minutes for record purposes a certificate for the Texas Technological College Student Union Building Revenue Bond of 1960 for filing with the Attorney General of Texas. A copy of the certificate is attached and made a part of the Minutes. Attachment No. 3.

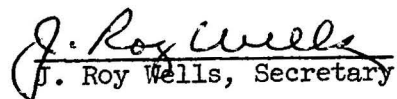
1756. Upon motion made by Mr. Smith, seconded by Mr. Lindsey, the Board by a unanimous vote, approved Amendment No. 1 to Contract No. 12-25-010-2640 between The United States Department of Agriculture and Texas Technological College for the "Evaluation of Spinning and Finishing Performance of Cotton as Related to Color." The purpose of the Amendment is to allow for the change of "crop-years" from 1960-61 and 1961-62 to 1961-62 and 1962-63 as requested by the Textile Research Laboratories following a detailed study of the South Plains cotton crop for last year. A copy of the Amendment is attached and made a part of the Minutes. Attachment No. 30.

1757. Upon motion made by Mr. Smith, seconded by Mr. Hinn, the Board by a unanimous vote, agreed to join with other agencies in preparing and presenting information to the United States Department of Agriculture for use when selecting a location for the proposed Soil Moisture Conservation Research Laboratory designated for the Great Plains. The Board Members were of the opinion that such a laboratory would be a valuable asset to the College if located in or near Lubbock. Mr. Smith was requested by the Chairman of the Board to be the liaison and Board Representative on the project.

1758. Upon motion made by Mr. Smith, seconded by Mr. McLaughlin, the Board by a unanimous vote, referred the proposed Amendments to the Tenure Policy to the Executive Committee of the Board.

1759. Upon motion made by Mr. Hinn, seconded by Mr. Allison, the Board by a unanimous vote, agreed to convey to the City of Lubbock the minimum amount of land required to permit a left-hand turn at College Avenue and Broadway. It will be the responsibility of the City of Lubbock to secure Legislative permission to convey the land to the City.

1760. The Board adjourned at 12:08 p.m., until the next regular Board Meeting on Saturday, April 14, 1962, in the Office of the President, Texas Technological College, Lubbock, Texas.


J. Roy Wells, Secretary

JRW:ce
February 19, 1962

ATTACHMENTS:

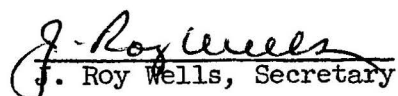
1. The Agenda, Item No. 1705.
2. Change Orders, Library Building, Item No. 1283..
3. Certificate concerning Student Union Building Addition Revenue Bonds of 1960, Item No. 1755.
4. Organized Research Project, Account No. 1706, Item No. 1717.
5. Organized Research Project, Account No. 1707, Item No. 1718.

6. Organized Research Project, Account No. 1708, Item No. 1719.
7. Sewage Effluent Contract between the City of Lubbock, Texas and Texas Technological College, Item No. 1292.
8. Letter from Mrs. Vivian J. Adams concerning Emeritus Appointment, Item No. 1254.
9. Budget for Home Economics Instructional Materials Project, Account No. 3064, Item No. 1256.
10. Budget for Organized Research Project, Account No. 3104B, Item No. 1722.
11. Budget for Organized Research Project, Account No. 3108B, Item No. 1723.
12. Budget for Organized Research Project, Account No. 3169A, Item No. 1724.
13. Budget for Organized Research Project, Account No. 3178, Item No. 1725.
14. Budget for Organized Research Project, Account No. 3137, Item No. 1726.
15. Budget for Organized Research Project, Account No. 3156A, Item No. 1731.
16. Budget for Organized Research Project, Account No. 3146A, Item No. 1323.
17. Organized Research Projects for 1962-63, Item No. 1720.
18. Contract with Cantrell and Burns, Architect for Old Library Building, Item No. 1285.
19. Contract with DeWitt and Spencer, Architects for Journalism Building, Item No. 1279.
20. Contract with Texas Testing Laboratories, Item No. 1293.
21. Report on the School of Engineering by Dr. John R. Bradford, Dean of the School of Engineering, Item No. 1260.
22. Budget for Organized Research Project, Account No. 3107D, Item No. 1729.
23. Small Class Report for the 1962 Spring Semester, Item No. 1713.
24. Resolution approving Loan Agreement on New Dormitory and Dining Facilities for Women, Item No. 1738.
25. Budget for Organized Research Project, Account No. 3106, Item No. 1730.
26. Budget for Organized Research Project, Account No. 3179, Item No. 1598.
27. Budget for Organized Research Project, Account No. 3155, Item No. 1732.
28. Budget for Organized Research Project, Account No. 3167, Item No. 1736.
29. Budget for Organized Research Project, Account No. 3167, Item No. 1737.
30. Amendment No. 1 to Contract No. 12-25-010-2640, The United States Department of Agriculture, Item No. 1756.

31. Information on the Honorable George Herman Mahon, Member of Congress, Item No. 1706.
32. Report on the School of Business Administration by Dr. George G. Heather, Dean of the School of Business Administration, Item No. 1707
33. Report by Mr. W. H. Butterfield, Vice President for Development, Item No. 1709.
34. Bid Tabulation for the Pumps, Piping and Storage for Sewage Effluent, Item No. 1747.

* * * * *

I, J. Roy Wells, the duly appointed and qualified Secretary of the Board of Directors, hereby certify that the above and the foregoing is a true and correct copy of the Minutes of the Texas Technological College Board of Directors Meeting on February 17, 1962.


J. Roy Wells, Secretary

COLLEGE SEAL

February 19, 1962

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas

February 7, 1962

TO THE HONORABLE MEMBERS OF THE BOARD
OF DIRECTORS OF TEXAS TECHNOLOGICAL COLLEGE

Gentlemen:

I am submitting herewith the Agenda for Texas Technological College for the consideration of the Board of Directors at a meeting to be held in Lubbock, Texas, on February 17, 1962:

RECOMMENDED ACTIONS:

Office of the President

1119. Accept the resignation of Mrs. Diane Verneice Jonas, Secretary in the Office of the President, at an annual salary of \$2,700.00, effective at noon on Thursday, December 21, 1961. (Adjusted budgeted salary \$2,700.00 for 12 months, p. 3).

Office of the Vice President and Comptroller

1120. Accept the resignation of Mrs. S. Verbenia Delashaw, Secretary in the Office of the Vice President and Comptroller, at an annual salary of \$3,180.00, effective at the close of the day, January 18, 1962. (Adjusted budgeted salary \$3,180.00 for 12 months, p. 5).

1121. Employ Mrs. Robbie Sue Bristow as a Secretary in the Office of the Vice President and Comptroller, at an annual salary of \$3,000.00, effective January 19, 1962 through August 31, 1962, vice Mrs. S. Verbenia Delashaw, resigned. (Budgeted salary \$3,180.00 for 12 months, p. 5).

Office of the Dean of Admissions and Registrar

1122. Revise the contract of Dr. Floyd D. Boze, Dean of Admissions and Registrar, from "Full-time in the Office of the Dean of Admissions and Registrar" to "Part-time in the Office of the Dean of Admissions and Registrar and Part-time Associate Professor of Education," at no change in total salary for the 1962 Spring Semester. This salary will be paid \$600.00 from Teaching Salaries and \$3,749.98 from General Administration Salaries from February 1, 1962 through June 15, 1962 and full-time from General Administration Salaries from June 16, 1962 through August 31, 1962. (Budgeted salary \$11,600.00, Office of the Dean of Admissions and Registrar; the \$600.00 required for Teaching Salary will be paid from lapsed funds).

1123. Lapse the unencumbered balance in the amount of \$600.00 from the budgeted allocation for Dean of Admissions and Registrar, Office of the Dean of Admissions and Registrar. (Budgeted salary \$11,600.00; Dr. Floyd D. Boze; p. 11).

1124. Accept the resignation of Mrs. Jacky Ann Strange, Clerk-Examiner in the Office of the Dean of Admissions and Registrar, at an annual salary of \$3,300.00, effective at the close of the day, January 5, 1962. (Budgeted salary \$3,300.00 for 12 months, p. 12).

1125. Revise the contract of Mrs. Jerry Lynne Hale, Office of the Dean of Admissions and Registrar, from "Stenographer-Secretary at an annual salary of \$3,000.00" to "Clerk-Examiner at an annual salary of \$3,300.00," effective January 8, 1962 through August 31, 1962, vice Mrs. Jacky Ann Strange, resigned. (Budgeted salary \$3,300.00 for 12 months, p. 12).

1126. Lapse the unencumbered balance in the amount of \$10.18 from the budgeted allocation for Clerk-Examiner in the Office of the Dean of Admissions and Registrar. (Budgeted salary \$3,300.00 for 12 months, p. 12)

1127. Revise the contract of Mrs. Rose Janell Herring, Office of the Dean of Admissions and Registrar, from "Clerk at an annual salary of \$2,900.00" to "Stenographer-Secretary at an annual salary of \$3,000.00," effective January 8, 1962 through August 31, 1962, vice Mrs. Jerry Lynne Hale, promoted. (Budgeted salary \$3,000.00 for 12 months, p. 11).

Office of the Dean of Admissions and Registrar

1128. Employ Mrs. Jane Carolyn Easterwood as a Clerk in the Office of the Dean of Admissions and Registrar, at an annual salary of \$2,900.00, effective February 1, 1962 through August 31, 1962, vice Mrs. Rose Janell Herring, transferred. (Budgeted salary \$2,900.00 for 12 months).

1129. Accept the resignation of Mrs. Bobbie Jo Russell, Clerk in the Office of the Dean of Admissions and Registrar, at an annual salary of \$2,800.00, effective at the close of the day, December 21, 1961. (Adjusted budgeted salary \$2,800.00 for 12 months, p. 12).

1130. Employ Mrs. Helen Davis Lair as Clerk in the Office of the Dean of Admissions and Registrar, at an annual salary of \$2,800.00, effective January 3, 1962 through August 31, 1962, vice Mrs. Bobbie Jo Russell, resigned. (Adjusted budgeted salary \$2,800.00 for 12 months, p. 12).

1131. Accept the resignation of Mrs. Helen Davis Lair, Clerk in the Office of the Dean of Admissions and Registrar, at an annual salary of \$2,800.00, effective at the close of the day, January 15, 1962. (Budgeted salary \$2,800.00 for 12 months, p. 12).

Office of the Placement Service

1132. Employ Mrs. Judy Carlton Haynes as Credentials Assistant in the Office of the Placement Service, at an annual salary of \$2,580.00, effective January 1, 1962 through February 16, 1962. (Budgeted salary \$3,000.00 for 12 months, p. 15).

Commencement

1133. Approve an honorarium in the amount of \$350.00 to Mr. Fred H. Moore, President of the Mobil Oil Company, 150 East 42nd Street, New York City 17, New York, for his services as guest speaker for the 1962 Spring Commencement on Monday, May 28, 1962.

Agricultural Engineering

1134. Accept the resignation of Mrs. Lee Hastings, Secretary in the Department of Agricultural Engineering, at an annual salary of \$2,700.00, effective at the close of the day, November 25, 1961. (Budgeted salary \$2,700.00 for 12 months, p. 32).

1135. Employ Miss Hope Annetta Roberson as Secretary in the Department of Agricultural Engineering, at an annual salary of \$2,700.00, effective December 11, 1961 through August 31, 1962, vice Mrs. Lee Hastings, resigned. (Budgeted salary \$2,700.00 for 12 months, p. 32).

1136. Lapse the unencumbered balance in the amount of \$103.85 from the budgeted allocation for Secretary in the Department of Agricultural Engineering. (Budgeted salary \$2,700.00 for 12 months, p. 32).

1137. Appropriate from the Unappropriated Balance, the sum of \$100.80 to the Student Assistants and Part-time Help Account in the Department of Agricultural Engineering.

1138. Appropriate from the Unappropriated Balance (Departmental Operating Expense), the sum of \$1,300.00 to the Department of Agricultural Engineering Maintenance, Equipment and Travel Account.

Agronomy

1139. Appoint Mr. Wesley Will Masters as a Teaching Fellow in Agronomy, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$800.00 for $4\frac{1}{2}$ months, p. 33).

Animal Husbandry

1140. Appoint Mr. Robert Henry Elliott as an Instructor in Animal Husbandry, at a salary of \$2,250.00 for the period, February 1, 1962 through June 15, 1962. Mr. Robert Henry Elliott will be on a full-time contract as Meats Laboratory Supervisor, Animal Husbandry Herds and Flocks, from June 16, 1962 through August 31, 1962. (The Teaching Salary in the amount of \$2,250.00 will be paid from lapsed funds, p. 36).

Horticulture and Park Management

1141. Revise the contract of Dr. Donald Ashdown, Professor in the Department of Horticulture and Park Management, to read "Salary in the amount of \$1,437.00 will be paid from Grant Funds for the Summer Institute for Teachers of Biology" instead of "Salary in the amount of \$1,437.00 will be paid from Teaching Salaries Only," effective June 1, 1962 through July 15, 1962. (Budgeted salary).

1142. Lapse the unencumbered balance in the amount of \$1,437.00 from the budgeted allocation for Professor in the Department of Horticulture and Park Management. (Budgeted salary \$1,437.00 for 6 weeks; Dr. Donald Ashdown, p. 38).

Biology

1143. Revise the contract of Mrs. Polly Imogene Tilton, Department of Biology, from "Full-time Instructor at a salary of \$2,600.00 for four and one-half months" to "One-half time Instructor at a salary of \$1,300.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$5,200.00 for 9 months, p. 44).

1144. Appoint Mrs. Maxine Ford Foreman as an Instructor (one-half time) in the Department of Biology, at a salary of \$1,300.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from the budgeted allocation for Instructor (Mrs. Tilton). (Budgeted salary \$5,200.00 for 9 months, p. 44).

Chemistry

1145. Appoint Dr. Richard John Thompson as an Assistant Professor of Chemistry, at a salary of \$7,400.00 for nine months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1146. Approve an honorarium in the amount of \$70.00 to Dr. Galen W. Ewing, Department of Chemistry, New Mexico Highlands University, Las Vegas, New Mexico, for his services as Consultant and Guest Lecturer in the Department of Chemistry on December 19 and 20, 1961. This is to be paid from the Department of Chemistry Maintenance, Equipment and Travel Account.

1147. Approve an honorarium in the amount of \$100.00 to Dr. J. R. Schofield of the Baylor Medical School, Houston, Texas, for his services as a Consultant and Guest Lecturer for the Departments of Chemistry and Biology on April 14, 1962. This is to be paid one-half from the Department of Chemistry Maintenance, Equipment and Travel Account and one-half from the Department of Biology Maintenance, Equipment and Travel Account.

Education and Philosophy

1148. Revise the contract of Dr. Floyd D. Boze, Dean of Admissions and Registrar, from "Full-time in the Office of the Dean of Admissions and Registrar" to "Part-time in the Office of the Dean of Admissions and Registrar and Part-time Associate Professor of Education," at no change in total salary for the 1962 Spring Semester. This salary will be paid \$600.00 from Teaching Salaries and \$3,749.98 from General Administration Salaries from February 1, 1962 through June 15, 1962 and full-time from General Administration Salaries from June 16, 1962 through August 31, 1962. (Budgeted salary \$11,600.00, Office of the Dean of Admissions and Registrar; the \$600.00 required for Teaching Salary will be paid from lapsed funds).

1149. Appoint Mrs. Panze Butler Kimmel as a Teaching Fellow in the Department of Education and Philosophy, at a salary of \$1,000.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

English

1150. Delete the name of Mrs. Neva Rogers Gahring, Assistant Professor of English, at a salary of \$2,650.00 for four and one-half months, from the 1961-62 Operating Budget. Mrs. Gahring has been ill and will be unable to return for the 1962 Spring Semester. (Budgeted salary \$2,650.00 for 4½ months, p. 53).

English

1151. Lapse the budgeted allocation in the amount of \$2,650.00 for Assistant Professor of English for the 1962 Spring Semester. (Budgeted salary \$2,650.00 for $4\frac{1}{2}$ months, p. 53).

1152. Appoint Mrs. Frances Brownell Burstein as a Part-time Instructor in English, at a salary of \$1,200.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1153. Appoint Mr. William Franklin Martin as a Teaching Fellow in English, at a salary of \$500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1154. Appoint Mrs. Mary Lou Rawlings as a Teaching Fellow in English, at a salary of \$900.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Foreign Languages

1155. Revise the contract of Mr. Alfred Bell Strehli, Professor of Foreign Languages, from "Full-time Professor of Foreign Languages at a salary of \$4,150.00 for four and one-half months," to "Professor of Foreign Languages (six-tenths time) at a salary of \$2,490.00 for four and one-half months and Director of the Summer Institute for Teachers of Spanish (four-tenths time) at a salary of \$1,660.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$4,150.00, Department of Foreign Languages, and \$1,660.00, Summer Institute for Teachers of Spanish).

1156. Lapse the unencumbered balance in the amount of \$1,660.00 from the budgeted allocation for Professor in the Department of Foreign Languages. (Budgeted salary \$8,300.00 for 9 months; Mr. Alfred Bell Strehli, p. 56).

1157. Revise the contract of Mrs. Hope Constance Oberhelman, Department of Foreign Languages, from "Full-time Instructor at a salary of \$2,500.00 for four and one-half months" to "Part-time Instructor at a salary of \$1,200.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$2,500.00 for four and one-half months, p. 57).

1158. Lapse the unencumbered balance in the amount of \$1,300.00 from the budgeted allocation for Instructor in Foreign Languages. (Budgeted salary \$2,500.00 for four and one-half months; Mrs. Hope Constance Oberhelman, p. 57).

1159. Appoint Mrs. Ingrid Junghans Parker as a Teaching Fellow in the Department of Foreign Languages, at a salary of \$400.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1160. Appropriate from the Unappropriated Balance, the sum of \$240.70 to the Department of Foreign Languages Maintenance, Equipment and Travel Account.

1161. Approve an honorarium in the amount of \$200.00 to Mr. Don Alfonso Paso, Madrid, Spain, for his services as Consultant and Guest Lecturer in the Department of Foreign Languages sometime during the 1962 Spring Semester. This will be paid from the Department of Foreign Languages Maintenance, Equipment and Travel Account.

Geology

1162. Appoint Mr. John Cintron, Jr., as a Teaching Fellow in the Department of Geology, at a salary of \$900.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$900.00, 1962 Spring Semester, p. 60).

1163. Appropriate from the Unappropriated Balance, the sum of \$1,000.00 to the Department of Geology Maintenance, Equipment and Travel Account. This is to be used to purchase the personal laboratory equipment of Dr. William A. Waldschmidt of Midland, Texas.

Government

1164. Lapse the unencumbered balance in the amount of \$2,400.00 from the budgeted allocation for Instructor in Government. (Budgeted salary \$4,800.00 for 9 months, p. 62).

History and Anthropology

1165. Appoint Mr. James Verdo Reese as an Instructor in the Department of History and Anthropology, at a salary of \$2,500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary is to be paid from lapsed funds.

1166. Accept the resignation of Mr. Phil Simpson, Part-time Instructor in the Department of History and Anthropology, at a salary of \$2,400.00 for nine months, effective at the close of the day, January 31, 1962. (Budgeted salary \$2,400.00 for 9 months, p. 69).

1167. Lapse the unencumbered balance in the amount of \$1,200.00 from the budgeted allocation for Part-time Instructor in the Department of History and Anthropology. (Budgeted salary \$2,400.00 for 9 months; Mr. Phil Simpson, p. 69).

Mathematics

1168. Terminate the contract of Mr. Lee Henry Kennedy, Instructor in Mathematics, at a salary of \$5,000.00 for nine months, effective at the close of the day, January 31, 1962. Mr. Kennedy has been called into service and will be granted a Military Leave for the Spring Semester. (Budgeted salary \$5,000.00 for 9 months, p. 73).

1169. Lapse the unencumbered balance in the amount of \$2,500.00 from the budgeted allocation for Instructor in Mathematics. (Budgeted salary \$5,000.00 for 9 months, p. 73).

1170. Appoint Mr. Merritt Daniel Price as an Instructor in Mathematics, at a salary of \$5,000.00 for nine months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1171. Appoint Mrs. Mary Jane Shipley as a Part-time Instructor in Mathematics, at a salary of \$1,250.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1172. Appoint Mr. Bobby Wayne Sargent as a Teaching Fellow in Mathematics, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,600.00 for 9 months, p. 75).

1173. Accept the resignation of Mrs. Maxine Hoy, Secretary in the Department of Mathematics, at an annual salary of \$3,100.00, effective at the close of the day, December 31, 1961. (Budgeted salary \$3,100.00 for 12 months, p. 75).

1174. Employ Mrs. Patricia Ann Hoy Oxford as a Temporary Secretary in the Department of Mathematics, at an annual salary of \$2,400.00, effective January 1, 1962 through February 28, 1962, vice Mrs. Maxine Hoy, resigned. (Budgeted salary \$3,100.00 for 12 months, p. 75).

Physics

1175. Appoint Mr. William Robert Adams as a Teaching Fellow in Physics, at a salary of \$500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This contract is based upon a minimum assignment of seven and one-half ($7\frac{1}{2}$) laboratory hours per week. This salary will be paid from lapsed funds.

Psychology

1176. Appoint Mr. Paul Leslie Thomas as an Instructor (three-fifths time) in the Department of Psychology, at a salary of \$1,500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds. Mr. Thomas has a separate contract for research (two-fifths time). (Salary rate \$5,000.00 for 9 months, p. 81).

Psychology

1177. Appoint Mr. Philip Wayne Drash as a Teaching Fellow in Psychology, at a salary of \$1,000.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds. (Salary rate \$2,000.00 for 9 months, p. 81).

1178. Appoint Mrs. Bessie Betty Sturm as a Teaching Fellow in Psychology, at a salary of \$500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1179. Waive the Course Fee, in the amount of \$3.00, for all students registering for Psychology 536, Section 2, for the 1961 Fall Semester.

Speech

1180. Appoint Dr. Ernest O. Nalle as a Part-time Visiting Assistant Professor of Speech, at a salary of \$600.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1181. Approve an honorarium in the amount of \$100.00 to Dr. William K. Ickes, 4006 71st Street, Des Moines, Iowa, for his services as Consultant and Guest Lecturer in the Department of Speech on December 9 and 10, 1961. This is to be paid from the Department of Speech Maintenance, Equipment and Travel Account.

Business Education and Secretarial Administration

1182. Appoint Mrs. Nelda Snow Coats as a Part-time Instructor in Business Education and Secretarial Administration, at a salary of \$550.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1183. Accept the resignation of Miss Valerie Jean Burns, Teaching Fellow in Business Education and Secretarial Administration, effective at the close of the day, January 31, 1962. (Budgeted salary \$1,800.00 for 9 months, p. 89).

1184. Lapse the unencumbered balance in the amount of \$900.00 from the budgeted allocation for Teaching Fellow in Business Education and Secretarial Administration. (Budgeted salary \$1,800.00 for 9 months; Miss Valerie Jean Burns, p. 89).

1185. Appoint Mrs. Jamie Lee Henderson as a Teaching Fellow in Business Education and Secretarial Administration, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1186. Approve an honorarium in the amount of \$140.00 to Dr. John C. Gilliam, School of Business Administration, The University of Wyoming, Laramie, Wyoming, for his services as a Consultant and Guest Lecturer in the Department of Business Education and Secretarial Administration sometime in February or March, 1962. This will be paid from the Department of Business Education and Secretarial Administration Maintenance, Equipment and Travel Account.

Economics

1187. Appoint Mr. Robert Baldrige Reedy as a Part-time Instructor in Economics, at a salary of \$625.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. Mr. Reedy is teaching one-fifth time in Management. This salary will be paid from lapsed funds.

Finance

1188. Appoint Mr. William Joe Gillespie as a Part-time Instructor in Finance, at a salary of \$575.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,150.00 for 9 months, p. 93).

1189. Appoint Mr. Dean Shuman as a Part-time Instructor in Finance, at a salary of \$575.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,150.00 for 9 months, p. 93).

Management

1190. Appoint Mr. Willie Dale McKeehan as a Teaching Fellow in Management, at a salary of \$1,800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds. (Teaching load 12 clock hours per week, p. 95).

1191. Accept the resignation of Mr. Bobby Frank McGough, Teaching Fellow in Management, at a salary of \$400.00 for four and one-half months, effective at the close of the day, December 15, 1961. (Budgeted salary \$400.00 for $4\frac{1}{2}$ months, p. 95).

1192. Lapse the unencumbered balance in the amount of \$133.33 from the budgeted allocation for a Teaching Fellow in Management. (Budgeted salary \$400.00 for $4\frac{1}{2}$ months; Re: Item No. 495, Board Minutes of November 3, 1961; p. 95).

Architecture and Allied Arts

1193. Appoint Mrs. Virginia Mahaley Thompson as a Part-time Instructor in the Department of Architecture and Allied Arts, at a salary of \$1,200.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds, p. 101.

Chemical Engineering

1194. Lapse the budgeted allocation in the amount of \$5,200.00 budgeted for Professor and Head of the Department of Chemical Engineering for the 1962 Spring Semester. (Budgeted salary \$5,200.00 for $4\frac{1}{2}$ months, p. 102).

1195. Correct Item No. 895, Board Minutes of December 9, 1961, to read "Chemical Engineering Curricula" instead of "Engineering Physics Curricula."

Civil Engineering

1196. Correct Item No. 896, Board Minutes of December 9, 1961, to read "Civil Engineering Curricula" instead of "Engineering Physics Curricula."

Electrical Engineering

1197. Correct Item No. 899, Board Minutes of December 9, 1961, to read "Electrical Engineering Curricula" instead of "Engineering Physics Curricula."

Industrial Engineering and Engineering Drawing

1198. Correct Item No. 901, Board Minutes of December 9, 1961, to read "Industrial Engineering and Engineering Drawing Curricula" instead of "Engineering Physics Curricula."

Mechanical Engineering

1199. Correct Item No. 904, Board Minutes of December 9, 1961, to read "Mechanical Engineering Curricula" instead of "Engineering Physics Curricula."

Petroleum Engineering

1200. Correct Item No. 905, Board Minutes of December 9, 1961, to read "Petroleum Engineering Curricula" instead of "Engineering Physics Curricula."

Textile Engineering

1201. Correct Item No. 906, Board Minutes of December 9, 1961, to read "Textile Engineering Curricula" instead of "Engineering Physics Curricula."

Applied Arts

1202. Appoint Mr. Ray Wayne Hellberg as an Instructor in the Department of Applied Arts, at a salary of \$6,000.00 for nine months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1203. Accept the resignation of Mrs. Martha Guest Hancock as Secretary in the School of Home Economics, at an annual salary of \$2,780.00, effective at the close of the day, January 15, 1962. (Budgeted salary Applied Arts, \$695.00; Clothing and Textiles, \$695.00; and Office of the Dean of Home Economics, \$1,390.00, pp. 115, 116 and 122).

Applied Arts

1204. Employ Mrs. Carolayne Lauderdale Wallace as a Secretary in the Department of Applied Arts, one-fourth time (\$422.92); Department of Clothing and Textiles, one-fourth time (\$422.92); and the Office of the Dean of Home Economics, one-half time (\$845.83); at an annual salary of \$2,700.00, effective January 16, 1962 through August 31, 1962, vice Mrs. Martha Guest Hancock, resigned. (Budgeted salary, Applied Arts, \$750.00; Clothing and Textiles, \$750.00; and Office of the Dean of Home Economics, \$1,390.00).

1205. Lapse the unencumbered balance in the amount of \$12.56 from the budgeted allocation for Part-time Secretary in the Department of Applied Arts. (Budgeted salary \$750.00 for 12 months, p. 115).

Clothing and Textiles

1206. Accept the resignation of Mrs. Martha Guest Hancock as Secretary in the School of Home Economics, at an annual salary of \$2,780.00, effective at the close of the day, January 15, 1962. (Budgeted salary Applied Arts, \$695.00; Clothing and Textiles, \$695.00; and Office of the Dean of Home Economics, \$1,390.00, pp. 115, 116 and 122).

1207. Employ Mrs. Carolayne Lauderdale Wallace as a Secretary in the Department of Applied Arts, one-fourth time (\$422.92); Department of Clothing and Textiles, one-fourth time (\$422.92); and the Office of the Dean of Home Economics, one-half time (\$845.83); at an annual salary of \$2,700.00, effective January 16, 1962 through August 31, 1962, vice Mrs. Martha Guest Hancock, resigned. (Budgeted salary, Applied Arts, \$750.00; Clothing and Textiles, \$750.00; and Office of the Dean of Home Economics, \$1,390.00).

1208. Lapse the unencumbered balance in the amount of \$12.52 from the budgeted allocation for Part-time Secretary in the Department of Clothing and Textiles. (Budgeted salary \$750.00 for 12 months, p. 116).

Food and Nutrition

1209. Lapse the budgeted allocation in the amount of \$3,500.00 for Associate Professor in the Department of Food and Nutrition for the 1962 Spring Semester. (Budgeted salary \$3,500.00 for 4½ months, p. 117).

1210. Revise the contract of Mrs. Clara Mueller McPherson, Assistant Professor of Food and Nutrition, from "Full-time at a salary of \$3,000.00 for four and one-half months" to "One-half time at a salary of \$1,500.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$6,000.00 for 9 months, p. 117).

1211. Lapse the unencumbered balance in the amount of \$1,500.00 from the budgeted allocation for Assistant Professor of Food and Nutrition. (Budgeted salary \$6,000.00 for 9 months, p. 117).

1212. Revise the contract of Mrs. Angela Rattan Boren, School of Home Economics, from "Instructor (Part-time) in Food and Nutrition and Instructor (Part-time) in Home and Family Life" to "Instructor (Full-time) in Food and Nutrition," with no change in salary rate, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$2,850.00 (one-half time) for 9 months; the additional funds, in the amount of \$1,425.00, required for this contract will be paid from lapsed funds, p. 117).

1213. Accept the resignation of Mrs. Jeane M. Bowles, Part-time Secretary in the Department of Food and Nutrition, at an annual salary of \$1,390.00, effective at the close of the day, December 8, 1961. (Budgeted salary \$1,440.00 for 12 months, p. 117).

1214. Employ Mrs. Myrena Jane Stanford as a Part-time Secretary in the Department of Food and Nutrition, at a salary of \$1,390.00 for twelve months, effective January 4, 1962 through June 30, 1962, vice Mrs. Jeane M. Bowles, resigned. (Budgeted salary \$1,440.00 for 12 months, p. 117).

Home and Family Life

1215. Revise the contract of Mrs. Angela Rattan Boren, School of Home Economics, from "Instructor (Part-time) in Food and Nutrition and Instructor (Part-time) in Home and Family Life" to "Instructor (Full-time) in Food and Nutrition," with no change in salary rate, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$2,850.00 for 9 months, p. 120).

Home and Family Life

1216. Lapse the unencumbered balance in the amount of \$1,425.00 from the budgeted allocation for Instructor in Home and Family Life. (Budgeted salary \$2,850.00 for 9 months; Mrs. Angela Rattan Boren, p. 120).

Office of the Dean of Home Economics

1217. Accept the resignation of Mrs. Martha Guest Hancock as Secretary in the School of Home Economics, at an annual salary of \$2,780.00, effective at the close of the day, January 15, 1962. (Budgeted salary, Applied Arts, \$695.00; Clothing and Textiles, \$695.00; and Office of the Dean of Home Economics, \$1,390.00, pp. 115, 116 and 122).

1218. Employ Mrs. Carolynne Lauderdale Wallace as a Secretary in the Department of Applied Arts, one-fourth time (\$422.92); Department of Clothing and Textiles, one-fourth time (\$422.92); and the Office of the Dean of Home Economics, one-half time (\$845.83); at an annual salary of \$2,700.00, effective January 16, 1962 through August 31, 1962, vice Mrs. Martha Guest Hancock, resigned. (Budgeted salary, Applied Arts, \$750.00; Clothing and Textiles, \$750.00; and Office of the Dean of Home Economics, \$1,390.00).

1219. Lapse the unencumbered balance in the amount of \$25.08 from the budgeted allocation for Part-time Secretary in the Office of the Dean of Home Economics. (Budgeted salary \$25.08 for 12 months, p. 122).

* * * * *

1962 Summer School

Education and Philosophy

1220. Appropriate from the Unappropriated Balance (Departmental Operating Expenses), the sum of \$1,800.00 to the Department of Education and Philosophy Maintenance, Equipment and Travel Account. This is to be used to help support two Workshops in the Department of Education and Philosophy for the Summer of 1962. (Account No. _____ and Account No. _____).

Geology Field School

1221. Approve the Geology Field School for the 1962 Summer School from June 1, 1962 through August 26, 1962. Geology 363 will be offered at Salida, Colorado, and Geology 563 will be offered at Moab, Utah. The field trips are contingent upon enrollment.

1222. Approve a charge of \$100.00 per student, per term, for all resident students registering for the advanced Geology Field School, Course No. 563, for the 1962 Summer School. The charges are itemized below:

Tuition (Resident Students) -----	\$ 25.00(a)
Course Fee -----	40.00
Transportation -----	35.00
Total -----	\$ <u>100.00</u>

(a) All non-resident students will pay the regular non-resident tuition.

1223. Approve a charge of \$225.00 per student, per term, for all resident students registering for the Geology Field School, Course No. 363, for the 1962 Summer School. The charges are itemized below:

Tuition (Resident Students) -----	\$ 25.00(a)
Room and Board -----	125.00
Course Fee -----	40.00
Transportation -----	35.00
Total -----	\$ <u>225.00</u>

(a) All non-resident students will pay the regular non-resident tuition.

1224. Waive the Student Service Fee, the Student Union Fee and the General Property Deposit for all students registering for Geology 563 and Geology 363 for the 1962 Summer School. (This applies to Geology Field School students going to Moab, Utah or Salida, Colorado only).

History and Anthropology

1225. Approve the Anthropology Field School for the 1962 Summer School from June 1, 1962 through July 15, 1962. Anthropology 433 and 434 will be offered at a site near Beeville, Texas.

1226. Waive the Student Service Fee, the Student Union Fee and the General Property Deposit for all students registering for Anthropology 433 and 434 for the 1962 Summer School. This applies to the Anthropology Field School students only.

Speech

1227. Appoint Dr. William Keith Ickes as an Associate Professor of Speech and Director of the Speech Hearing Clinic, at a salary of \$1,950.00 for the period, June 1, 1962 through August 25, 1962. The salary will be distributed one-half to the Department of Speech and one-half to the Speech Hearing Clinic. (The Teaching Salary of \$975.00 will be paid from lapsed funds and the one-half salary as Director of the Speech Hearing Clinic will be paid from Budgeted Funds).

Foreign Languages (Field School in Tucuman, Argentina)

1228. Approve a Summer Field School for Teachers of Spanish in Tucuman, Argentina, for the period, June 7, 1962 through August 8, 1962. The Field School is being financed from Grant Funds. (Re: Summer School Budget, pages 75-76).

1229. Waive the Student Service Fee, the Student Union Fee and the General Property Deposit for all students registering for the Summer Field School for Teachers of Spanish in Tucuman, Argentina.

1230. Authorize the President, the Vice President and Comptroller and the Auditor to do whatever is necessary to provide the Director of the Summer Field School in Tucuman, Argentina, with the necessary funds and authorization for approving the necessary disbursements in Tucuman, Argentina, for the conduct of the 1962 Summer Field School. The Director will be expected to provide the Auditor's Office with such records, receipts and certifications as requested by the College Auditor.

Speech (Domestic Theatre Tour)

1231. Approve the Domestic Theatre Tour for the Department of Speech, for the Second Term of the 1962 Summer School. This tour will be offered and financed through the Division of Extension.

Food and Nutrition (1962 School Lunch Workshop, Account No. 1197)

1232. Appropriate from the Unappropriated Balance, the sum of \$4,405.00 to the Department of Food and Nutrition (1962 School Lunch Workshop, Account No. 1197). The budget for the Workshop has been included in the Summer School Budget, page 68.

Home Economics Education

1233. Appropriate from the Unappropriated Balance (General Operating Expense), the sum of \$400.00 to the Department of Home Economics Education Maintenance, Equipment and Travel Account. This will be used to pay one-half of an honorarium to Dr. Bernice Moore, Austin, Texas, for her services as a Special Consultant in a Summer Workshop in the School of Home Economics.

Home and Family Life

1234. Appropriate from the Unappropriated Balance (General Operating Expense), the sum of \$400.00 to the Department of Home and Family Life Maintenance, Equipment and Travel Account. This will be used to pay one-half of an honorarium to Dr. Bernice Moore, Austin, Texas, for her services as a Special Consultant in a Summer Workshop in the School of Home Economics.

Home Economics Workshop

1235. Approve an honorarium in the amount of \$800.00 to Dr. Bernice Moore, Assistant to the Director, Hogg Foundation, Austin, Texas, for her services as Consultant and Guest Lecturer for a Home Economics Workshop for the period, July 2, 1962 through July 13, 1962. This will be paid one-half from the Department of Home Economics Education Maintenance, Equipment and Travel Account and one-half from the Department of Home and Family Life Maintenance, Equipment and Travel Account.

Home Economics Workshop

1236. Waive the Student Union Fee, the Student Service Fee (excluding the \$1.00 Health Service Fee), and the General Property Deposit for all students registering for the Workshop in Food and Nutrition (Food and Nutrition 111 and 411) and the Workshop in Home Economics Education (Home Economics Education 514) for the 1962 Summer School. All students registering for either of the Workshop courses will pay the Student Health Service Fee of \$1.00.

1237. Approve a registration fee of \$2.00 for all visitors in Home Economics Education 514 (a workshop course) for the 1962 Summer School.

* * * * *

1962-63 Budget

Foreign Languages

1238. Appoint Dr. Eve Frejaville as an Associate Professor in the Department of Foreign Languages, at a salary of \$7,500.00 for nine months, effective September 16, 1962 through June 15, 1963. (1962-63 Budget).

1239. Appoint Dr. Alexander Jovicevich as an Associate Professor in the Department of Foreign Languages, at a salary of \$7,200.00 for nine months, effective September 16, 1962 through June 15, 1963. (1962-63 Budget).

History and Anthropology

1240. Appoint Mr. Jacquelin Collins as an Assistant Professor in the Department of History and Anthropology, at a salary of \$6,200.00 for nine months, effective September 16, 1962 through June 15, 1963. This salary will be adjusted upward to \$6,500.00 as soon as all requirements for the Ph.D. degree have been satisfied. (1962-63 Budget).

Sociology

1241. Appoint Dr. Lewis J. Davies as an Associate Professor of Sociology, at a salary of \$7,300.00 for nine months, effective September 16, 1962 through June 15, 1963. (1962-63 Budget).

Speech

1242. Appoint Dr. William Keith Ickes as an Associate Professor of Speech and Director of the Speech Hearing Clinic, at a salary of \$7,800.00 for nine months, effective September 16, 1962 through June 15, 1963. (1962-63 Budget; four-fifths salary to be paid from Teaching Salaries and one-fifth to be paid from Organized Activities).

English (Literary Tour of Europe)

1243. Approve a travel course to Europe for the Department of English for the 1963 Summer School (English 3311 and English 3312). The courses will be given through the Division of Extension.

* * * * *

1961-62 Budget

Air Flight Training Contract (Army ROTC)

1244. Approve a supplementary agreement to Contract No. DA 41-014-AIV-2371 between the United States of America and Texas Technological College for Air Flight Training for designated students from the Department of Military Science. The above mentioned contract is modified as follows:

SPECIAL CONDITIONS

Para. 1d. The training program shall be adequate to train eleven (11) trainees during the period.

Para. 2e. (1) the second sentence is revised to read as follows:

(continued on next page)

1244. (Continued)

"The Contractor shall promptly notify the Contracting Officer at any time its account, when projected to completion of performance of this contract, indicates that the amount to become due will exceed the total amount allotted by the Government to this contract, which is \$6,206.25.

Total amount of the contract for the 1961-62 school year shall not exceed \$6,206.25."

Contract for Services Relating to Vocational Counseling

1245. Approve a contract between the United States of America and Texas Technological College, whereby the College will do counseling and related services for the Veterans Administration, Lubbock, Texas, by working through the Testing and Counseling Center, at an agreed charge of \$39.75 per counselee. The contract is for the period, February 1, 1962 through June 30, 1962.

Inter Agency Contract No. 4413-630

1246. Approve an Inter Agency Contract between Texas Technological College and The University of Texas, whereby the Texas Technological College agrees to assist in compiling information for the Texas Geologic Atlas Project doing necessary geologic field work in the Lubbock, Texas area. The University of Texas will provide the College with a motor vehicle suited for this field work and will pay the maintenance and operating expense on the motor vehicle. This work is being done by Dr. John Paul Brand, Professor of Geology. The contract is for the period, December 1, 1961 through August 31, 1962 and the total of all payments for the period covered by this agreement shall not exceed \$1,000.00.

Consulting Work

1247. Approve incorporating in the Minutes for record purposes, the approval of Dr. S. M. Kennedy, Dean of the School of Arts and Sciences, for Mr. William T. Patterson, Assistant Professor in the Department of Foreign Languages, to teach a three hour course in French at the South Plains Junior College during the 1962 Spring Semester. The class will meet every Thursday evening from 7:00 p.m. to 10:00 p.m. This is in keeping with Article VIII B of the Tenure Policy approved by the Board of Directors on November 8, 1957.

1248. Approve incorporating in the Minutes for record purposes, the approval of Dr. S. M. Kennedy, Dean of the School of Arts and Sciences, for Mr. Darrell Keith McCarty, Assistant Professor of Music, to act as a Consultant and to serve as Judge in the Region XVII of the Interscholastic League Contest at The University of Texas, Austin, Texas, from February 23, 1962 through February 25, 1962. This is in keeping with Article VIII B of the Tenure Policy approved by the Board of Directors on November 8, 1957.

1249. Approve incorporating in the Minutes for record purposes, the approval of Dr. S. M. Kennedy, Dean of the School of Arts and Sciences, for Dr. Murray R. Kovnar, Professor of Psychology, to serve as a Clinical Psychology Consultant for the Big Spring State Hospital for two to four afternoons per month. This is in keeping with Article VIII B of the Tenure Policy approved by the Board of Directors on November 8, 1957.

1250. Approve incorporating in the Minutes for record purposes, the approval of Mr. Robert L. Newell, Assistant Dean of the School of Engineering, for Mr. Donald J. Helmers, Associate Professor of Mechanical Engineering, to perform consulting services for the Aldridge and Aldridge Law Firm of Farwell, Texas; the Gibson, Ochsner, Harlan, Kinney, and Morris Law Firm of Amarillo, Texas; and Crenshaw, Dupree and Milam, Attorneys, Lubbock, Texas, on February 2, 1962. This is in keeping with Article VIII B of the Tenure Policy approved by the Board of Directors on November 8, 1957.

1251. Approve incorporating in the Minutes for record purposes, the approval of Mr. Robert L. Newell, Assistant Dean of the School of Engineering, for Mr. Robert E. Martin, Associate Professor of Mechanical Engineering, to perform consulting services for the Gibson, Ochsner, Harlan, Kinney and Morris Law Firm of Amarillo, Texas, on February 6 and 7, 1962. This is in keeping with Article VIII B of the Tenure Policy approved by the Board of Directors on November 8, 1957.

Consulting Work

1252. Approve incorporating in the Minutes for record purposes, the approval of Dr. Willa Vaughn Tinsley, Dean of the School of Home Economics, for Dr. Billy Clarence Lockhart, Professor and Head, Department of Applied Arts, to serve as a Consultant for the furnishing and decorating of the addition to the Student Union Building, with the understanding that this will in no way impinge upon the fulfillment of his responsibilities to the College. This is in keeping with Article VIII B of the Tenure Policy approved by the Board of Directors on November 8, 1957.

Official Retirement

1253. Officially retire, at his request, Dr. Albert Barnett, Professor of Education and Professor of Psychology, effective at the close of the day, November 30, 1961. Dr. Barnett has been associated with the College since the Fall of 1933.

Dr. Barnett will be employed one-third time in the Departments of Education and Psychology in keeping with the provisions of House Bill No. 107 governing the employment of retired staff members, effective January 1, 1962.

Emeritus Appointment

1254. Incorporate in the Minutes for record purposes a copy of a letter from Mrs. Vivian Johnson Adams, Professor and Head, Department of Home Economics Education, expressing appreciation for the title "Professor of Home Economics Education, Emeritus." (Re: Item No. 931, Board Minutes of December 9, 1961). A copy of the letter is attached and made a part of the Minutes. Attachment No. 8.

National Defense Fellowships (Account No. 3040)

1255. The Board of Directors, by Item No. 1937, Board Minutes of June 1, 1959, approved the acceptance of such National Defense Fellowships and the Cost-of-Education Grants as are made available to Texas Technological College. Three Fellowships in the field of English were allocated to Texas Technological College for the 1959-60 Academic Year; three additional in English for the 1960-61 Academic Year; and three additional in English for the 1961-62 Academic Year. The United States Commissioner of Education has awarded two additional Fellowships in the field of English and two new Fellowships in Physical Biochemistry to Texas Technological College, effective with the 1962-63 Academic Year. This is in keeping with Item No. 2575, Board Minutes of May 29, 1961. This item is included in the Minutes for information and record purposes. (Re: Item No. 1937, Board Minutes of June 1, 1959; Item No. 888, Board Minutes of February 13, 1960; Item No. 622, Board Minutes of October 21, 1960; and Item No. 2575, Board Minutes of May 29, 1961).

Home Economics Instructional Materials Project (Account No. 3064)

1256. Approve the budget for the Home Economics Instructional Materials Project, in the amount of \$3,273.19, for the period, September 1, 1961 through August 31, 1962. This project is being financed from The Sears-Roebuck Foundation Grant. A copy of the budget is attached and made a part of the Minutes. Attachment No. 9.

Institutional Memberships

1257. Include in the Minutes for record purposes the election of Texas Technological College to full membership in the "Council of Graduate Schools in the United States," effective April 1, 1962. This is in keeping with Item No. 788, Board Minutes of November 3, 1961.

Official Publications

1258. Approve the Bulletin for the School of Arts and Sciences, published as Volume XXXVII, December, 1961, Number 9, as an official bulletin of Texas Technological College. A copy of the bulletin has been mailed to all Board Members.

1259. Approve the Bulletin for the School of Engineering, published as Volume XXXVIII, January, 1962, Number 1, as an official bulletin of Texas Technological College. A copy of the bulletin has been mailed to all Board Members.

Report by Dean John R. Bradford

1260. Incorporate in the Board Minutes the Report given by Dr. John R. Bradford, Dean of the School of Engineering, at the Board Meeting on December 9, 1961. (Re: Item No. 1062, Board Minutes of December 9, 1961 and Attachment No. 21).

Student Services Fee

1261. Waive the Student Services Fee for all faculty (including Teaching Fellows) and staff who are taking course work on the campus. The Teaching Fellows will continue to pay the Student Parking Fee. This would become effective September 1, 1962.

Animal Husbandry Herds and Flocks

1262. Revise the contract of Mr. Robert Henry Elliott, Animal Husbandry Herds and Flocks, from "Full-time Meats Laboratory Supervisor at a salary of \$475.00 per month" to "Full-time Instructor in the Department of Animal Husbandry, at a salary of \$2,250.00 for the period, February 1, 1962 through June 15, 1962 and Full-time Meats Laboratory Supervisor at a salary of \$1,187.50 for the period, June 16, 1962 through August 31, 1962." (Budgeted salary \$5,700.00 for 12 months, Animal Husbandry Herds and Flocks, p. 143; the salary for Teaching will be paid from the Instructional Budget for Animal Husbandry, p. 36).

1263. Approve a transfer in the amount of \$2,137.50 from the budgeted allocation for Meats Laboratory Supervisor to the budgeted allocation for Miscellaneous Labor in the Department of Animal Husbandry Herds and Flocks. (Budgeted salary \$5,700.00 for 12 months, p. 143).

Speech Hearing Clinic

1264. Accept the resignation of Mrs. Betty Myatt, Acting Director of the Speech Hearing Clinic, at an annual salary of \$1,500.00, effective at the close of the day, April 30, 1962. (Budgeted salary \$1,842.00 for 12 months, p. 146).

1265. Appoint Dr. William Keith Ickes as an Associate Professor of Speech and Director of the Speech Hearing Clinic, at a salary of \$1,950.00 for the period, June 1, 1962 through August 25, 1962. The salary will be distributed one-half to the Department of Speech and one-half to the Speech Hearing Clinic. (The Teaching Salary of \$975.00 will be paid from lapsed funds and the one-half salary as Director of the Speech Hearing Clinic will be paid from Budgeted Funds).

1266. Approve a transfer in the amount of \$84.92 from the budgeted allocation for Student Assistants and/or Part-time Help to the budgeted allocation for the Director, Speech Hearing Clinic (Account No. 1303).

Library

1267. Accept the resignation of Mrs. Dorothy Bryan Anderson, Periodicals Clerk in the College Library, at an annual salary of \$2,760.00, effective at the close of the day, January 31, 1962. (Budgeted salary \$2,760.00 for 12 months, p. 151).

1268. Employ Mrs. Patricia Jean Nelson as Periodicals Clerk in the College Library, at an annual salary of \$2,700.00, effective February 1, 1962 through August 31, 1962, vice Mrs. Dorothy Bryan Anderson, resigned. (Budgeted salary \$2,760.00 for 12 months, p. 151).

1269. Lapse the unencumbered balance in the amount of \$35.00 from the budgeted allocation for Periodicals Clerk in the College Library. (Budgeted allocation \$2,760.00 for 12 months, p. 151).

Division of Extension

1270. Accept the resignation of Mrs. Dorothy Ester Mackey, Clerk-Typist in the Division of Extension, at an annual salary of \$2,796.00, effective at the close of the day, January 20, 1962. (Budgeted salary \$2,796.00 for 12 months, p. 156).

1271. Employ Mrs. Elizabeth H. Wortman as a Clerk-Typist in the Division of Extension, at an annual salary of \$2,796.00, effective January 22, 1962 through August 31, 1962, vice Mrs. Dorothy Ester Mackey, resigned. (Budgeted salary \$2,796.00 for 12 months, p. 156).

Building Maintenance (Administration)

1272. Revise the contract of Mr. Pattric Marion Munn, Superintendent of Construction and Maintenance, Department of Building Maintenance, from "an annual salary of \$6,000.00" to "an annual salary of \$6,180.00," effective January 1, 1962 through August 31, 1962. (Adjusted budgeted salary \$6,000.00 for 12 months; the additional funds, in the amount of \$120.00, required for this contract will be paid from lapsed salaries, p. 160).

General Services--Central Warehouse

1273. Appropriate from the Unappropriated Balances, the sum of \$372.36 to General Services--Central Warehouse and Receiving Maintenance, Equipment and Travel Account.

General Services--Campus Security Service

1274. Employ Mr. Jim Bert King as a Security Officer in General Services--Campus Security Service, at an annual salary of \$3,600.00, effective December 1, 1961 through August 31, 1962. (Budgeted salary \$3,600.00 for 12 months, p. 171).

Building Maintenance (Operation and Maintenance)

1275. Revise the contract of Mr. Clarence E. Chumley, Electrician in the Department of Building Maintenance (Operation and Maintenance), from "an annual salary of \$3,600.00" to "an annual salary of \$3,660.00," effective January 1, 1962 through August 31, 1962. (Budgeted salary \$3,600.00 for 12 months; the additional funds, in the amount of \$40.00, required for this contract will be paid from lapsed funds).

Department of Building Maintenance

1276. Approve payment to the Department of Building Maintenance in the amount of \$42.00 for the furnishing and installing an extension kit to raise the fireplug in keeping with the surrounding grade at the site for the Relocation of Farm Facilities, the amount to be paid from Constitutional Building Amendment Funds budgeted for utilities.

Chemical Engineering Building

1277. Approve an extra in the amount of \$639.00 to the contract with W. C. Hixson Company, to provide, deliver and install the laboratory equipment in the Chemical Engineering Building, for one extra laboratory table.

Facilities for Poultry Husbandry

1278. Approve an extra in the amount of \$55.50 to the contract with the Stout Steel Builders for construction of the poultry facilities to install one 18" gravity roof ventilator with chain operated damper in Building G.

Journalism Building

1279. Incorporate in the Minutes, the contract with DeWitt and Spencer, Architects and Engineers, Lubbock, Texas, for architectural services needed for the remodeling of the Journalism Building. This is in keeping with Item No. 1094, Board Minutes of December 9, 1961. A copy of the contract is attached and made a part of the Minutes. Attachment No. 19.

Livestock Facilities (Calf Barn)

1280. Approve an extra in the amount of \$58.72 to the contract with Tatum and Galey Construction Company for the calf barn to sheath one side of the partitions with plywood to prevent the calves from eating the fiberglass insulation.

New Library Building

1281. Approve an extra in the amount of \$105.82 to the contract with the J. M. Odom Construction Company for the New Library Building to furnish and install return air grilles and return air relief grilles in the office space of the Assistant Librarian and his secretary, spaces No. 116 and No. 117.

1282. Accept a credit in the amount of \$850.00, from the contract with the J. M. Odom Construction Company, to construct the Library for the omission of the painting of the acoustical ceiling tile in the Garden Room and the elevator lobby on the first floor.

New Library Building

1283. Accept a new credit in the amount of \$8,909.06 from the contract with the J. M. Odom Construction Company to construct the Library in keeping with the attachments.

A copy of a letter from Mr. Nolan E. Barrick, Supervising Architect, and a copy of the changes made by Change Order Number 7 are attached and made a part of the Minutes. Attachment No. 2.

1284. Approve an extra in the amount of \$197.00 to the contract with the J. M. Odom Construction Company for the New Library to furnish and install a cornerstone of polished pink granite in accordance with the direction of the Board of Directors. The stone will be installed without lettering.

Old Library Building

1285. Incorporate in the Minutes, the contract with Cantrell and Burns, Architects, Lubbock, Texas, for the architectural services needed for the remodeling of the Old Library Building. This is in keeping with Item No. 1095, Board Minutes of December 9, 1961. A copy of the contract is attached and made a part of the Minutes. Attachment No. 18.

Science Building Addition

1286. Approve a credit in the amount of \$89.00 to the contract with the Carl E. Maxey Construction Company, to construct the Science Building Addition, for the installation of resilient flooring in the areas beneath the laboratory tables and counters and for the omission of a vinyl base around the cabinets that reach the floor.

Student Union Building Addition

1287. Approve an extra in the amount of \$111.20 to the contract with the V & N Construction Company of Lubbock, for the construction of the Student Union Addition, to change the condensate return piping from the basement air handling unit to permit the operation of this unit at such time as the Central Chilling Station is not operating.

1288. Approve an extra in the amount of \$2,089.70 to the contract with the V & N Construction Company of Lubbock, for the construction of the Student Union Addition, to provide physical separation between the two pressure-reducing valves, to permit a length of piping between them of sufficient dimension to provide a satisfactory steam column to assure efficient operation of the valves. The first valve will reduce the steam pressure from 100 pounds to 20 pounds, and the second valve will reduce the pressure from 20 pounds to 5 pounds. Also, additional strainers and by-pass valves that permit greater ease of maintenance and flexibility of operation will be installed.

1289. Approve an extra in the amount of \$210.00 to the contract with the V & N Construction Company of Lubbock, for the construction of the Student Union Addition, to remove a large storage cabinet which projected into Room 115A and install matching cabinetwork and shelving.

1290. Approve an extra in the amount of \$639.10 to the contract with the V & N Construction Company of Lubbock, for the construction of the Student Union Addition, to raise the level of illumination in the basement game area to a point somewhere near the original intention.

1291. Approve an extra in the amount of \$490.90 to the contract with the V & N Construction Company of Lubbock, for the construction of the Student Union Addition, to rework the existing sound control console and the installation of thirteen (13) new speakers and an adequate tie-in with the existing system.

Sewage Effluent Contract

1292. Incorporate in the Board Minutes, the Sewage Effluent Contract between the City of Lubbock, Texas, and Texas Technological College, whereby the City of Lubbock will furnish the College the sewage effluent processed at the proposed treatment plant to be located in Northwest Lubbock. A copy of the contract is attached and made a part of the Minutes. Attachment No. 7. This is in keeping with Item No. 1102, Board Minutes of December 9, 1961.

Texas Testing Laboratories Contract

1293. Incorporate in the Board Minutes, the contract with the Texas Testing Laboratories (Re: Item No. 1088, Board Minutes of December 9, 1961 and Attachment No. 22). A copy of the contract is attached and made a part of the Minutes. Attachment No. 20.

West Engineering Building--Office of the Dean of Engineering

1294. Approve an extra in the amount of \$147.46 to the contract with the Southwest Specialty Company of Lubbock, for the installation of acoustical form board in the offices at the Classroom-Office Building to install salvaged acoustical tile on 'T' suspension system in the reception and general office area of the Dean's Office in the West Engineering Building, the amount to be paid from the Maintenance, Equipment and Travel Account for the Office of the Dean of Engineering.

Counselor Training Program (Account No. 3032C)

1295. Approve an honorarium in the amount of \$50.00, to Dr. Mary D. Publis, Psychiatrist, Plainview, Texas, for her services as Consultant in the Counselor Training Program in the Department of Psychology, throughout the 1961-62 Fall Semester. This is to be paid from Grant Funds for the Counselor Training Program, Account No. 3032C. (Budgeted salary \$776.75 for Consultants; Account No. 3032C; Dr. Beatrix Cobb, Program Director).

Summer Institute in Mathematics for Secondary School Teachers (Account No. 3035A)

1296. Employ Mrs. Ethel Lavonia Kerby as a Part-time Secretary in the Summer Institute in Mathematics for Secondary School Teachers, at a salary of \$120.00 per month, effective January 12, 1962 through August 15, 1962. (Budgeted salary \$960.00 for 9 months, Account No. 3035A).

Summer Institute for Teachers of Spanish (Account No. 3910)

1297. Revise the contract of Mr. Alfred Bell Strehli, Professor of Foreign Languages, from "Full-time Professor of Foreign Languages at a salary of \$4,150.00 for four and one-half months," to "Professor of Foreign Languages (six-tenths time) at a salary of \$2,490.00 for four and one-half months and Director of the Summer Institute for Teachers of Spanish (four-tenths time) at a salary of \$1,660.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$4,150.00, Department of Foreign Languages, and \$1,660.00, Summer Institute for Teachers of Spanish).

Organized Research (Account No. 1612)

1298. Accept the resignation of Mr. Dale Brown, Research Assistant on the Organized Research Project: "A Study of Mineral Transformations and Weathering Processes Occurring During Soil Development on Crystalline Rocks in the Southwest," at an annual salary of \$2,200.00, effective at the close of the day, January 24, 1962. (Budgeted salary \$2,200.00 for 12 months; Organized Research Account No. 1612; Dr. Bonnie L. Allen, Principal Investigator).

Organized Research (Account No. 1603AD)

1299. Employ Miss Li-Tsu Fang as a Research Assistant on the Organized Research Project: "The 2,4-Dinitrophenylhydrazones of Alpha Beta-Unsaturated Ketones and Aldehydes," at a salary of \$700.00 for three months, effective June 1, 1962 through August 31, 1962. (Budgeted salary \$700.00 for Research Assistant; Dr. Henry J. Shine, Principal Investigator; Account No. 1603AD; p. 198).

1300. Employ Mr. Robert James Small as a Research Assistant on the Organized Research Project: "The 2,4-Dinitrophenylhydrazones of Alpha Beta-Unsaturated Ketones and Aldehydes," at a salary of \$700.00 for three months, effective June 1, 1962 through August 31, 1962. (Budgeted salary \$700.00 for Research Assistant; Dr. Henry J. Shine, Principal Investigator; Account No. 1603AD; p. 198).

1301. Employ Miss Julie Yi-Fang Tsai as a Research Assistant on the Organized Research Project: "The 2,4-Dinitrophenylhydrazones of Alpha Beta-Unsaturated Ketones and Aldehydes," at a salary of \$700.00 for three months, effective June 1, 1962 through August 31, 1962. (Budgeted salary \$700.00 for Research Assistant; Dr. Henry J. Shine, Principal Investigator; Account No. 1603AD; p. 198).

Organized Research (Account No. 1688)

1302. Revise the contract of Dr. Lawrence Edward Bowling, Professor of English and Principal Investigator on the Organized Research Project: "The Theme of Unity in The Tragedy of Antony and Cleopatra," from "a salary of \$1,367.00 for six weeks" to "a salary of \$1,433.00 for approximately six weeks," effective June 1, 1962 through July 14, 1962. (Budgeted salary \$1,367.00; the additional funds, in the amount of \$66.00, required for this contract will be paid from lapsed funds).

Organized Research (Account No. 1679)

1303. Lapse the budgeted allocation in the amount of \$1,550.00 for the salary of the Principal Investigator on the Organized Research Project: "Stratigraphy and Paleontology of Post-Orbitolina Beds of Trans-Pecos, Texas," Account No. 1679. (Budgeted salary \$1,550.00 for six weeks, Principal Investigator, Dr. John Paul Brand, Professor of Geology, p. 210).

Organized Research (Account No. 1685)

1304. Lapse the budgeted allocation in the amount of \$1,167.00 originally budgeted for Principal Investigator on the Organized Research Project: "Petrology, Structure and Stratigraphy of the Precambrian Complex, Grand Tetons, Wyoming." A portion of this will be used to employ a Co-Investigator. (Budgeted salary \$1,167.00 for six weeks; Account No. 1685; p. 213).

1305. Appoint Mr. Corwin C. Reeves, Jr., Instructor in the Department of Geology, as Co-Investigator on the Organized Research Project: "Petrology, Structure and Stratigraphy of the Precambrian Complex, Grand Tetons, Wyoming," at a salary of \$933.00 for the period, July 16, 1962 through August 31, 1962. This will be paid from lapsed funds. (Account No. 1685; p. 213).

Organized Research (Account No. 1670)

1306. Appropriate from the Unappropriated Balance (Organized Research), the sum of \$17.23 to the Maintenance, Equipment and Travel Account of the Organized Research Project: "The Geology of Upheaval Dome and Salt Creek Dome, Utah," and close the account. (Account No. 1670; Dr. Richard Benjamin Mattox, Principal Investigator).

Organized Research (Account No. 1603M)

1307. Appropriate from the Unappropriated Balance (Organized Research), the sum of \$27.47 to the Maintenance, Equipment and Travel Account of the Organized Research Project: "Investigation of Specific Heat Changes During Differential Thermal Analysis," and close the account. (Account No. 1603M; Principal Investigator, Dr. Edward Sturm).

Organized Research (Account No. 1673A)

1308. Employ Mrs. Eula Parkinson as a Part-time Secretary on the Organized Research Project: "Modification of the Raven Progressive Matrices for Presentation to the Blind," at a salary of \$109.00 per month, effective February 1, 1962 through May 31, 1962. This salary will be paid \$400.00 from Account No. 1673A and \$36.00 from Account No. 3147A. (Budgeted salary \$400.00, Account No. 1673A and \$800.00, Account No. 3147A; Dr. Robert P. Anderson, Principal Investigator).

Organized Research (Account No. 1721)

1309. Appropriate from the Unappropriated Balance (Organized Research), the sum of \$2.35 to the Maintenance, Equipment and Travel Account of the Organized Research Project: "A Survey of Internal Auditing," and close the account. (Account No. 1721; Dr. Reginald Rushing, Principal Investigator).

Organized Research (Account No. 1723)

1310. Appropriate from the Unappropriated Balance (Organized Research), the sum of \$34.10 to the Maintenance, Equipment and Travel Account of the Organized Research Project: "Some Economic Consequences of the Employment of Married Women Outside of the Home," and close the account. (Account No. 1723; Dr. Vernon T. Clover, Principal Investigator).

Organized Research (Account No. 1725)

1311. Appropriate from the Unappropriated Balance, the sum of \$4.05 to the Maintenance, Equipment and Travel Account of the Organized Research Project: "Faculty Retirement and Insurance Programs in Southwestern, Southern and Southeastern Universities--And Other Fringe Benefits," and close the account. (Account No. 1725; Mr. Burl Monroe Abel, Principal Investigator).

Organized Research (Account No. 1604B)

1312. Revise the contract of Mr. Jules Alexander Renard, Associate Professor of Chemical Engineering and Principal Investigator on the Organized Research Project: "Investigation on Equilibrium Data on Ternary Systems: Water-Miscible Organic Liquid-Salts-Water," from "a salary of \$1,317.00" to "a salary of \$1,333.00" for the period, June 1, 1962 through July 14, 1962. (Budgeted salary \$1,317.00 for six weeks; the additional funds, in the amount of \$16.00, required for this contract will be paid from lapsed funds).

Organized Research (Account No. 1604B)

1313. Approve a transfer in the amount of \$60.00 from the budgeted allocation for Student Assistants and/or Part-time Help Account for the Organized Research Project: "Investigation on Equilibrium Data on Ternary Systems: Water-Miscible Organic Liquid-Salts-Water," to the budgeted allocation for Maintenance, Equipment and Travel. (Account No. 1604B; Principal Investigator, Mr. Jules Alexander Renard).

Organized Research (Account No. 1604A)

1314. Lapse the sum of \$1,250.00 from the budgeted allocation for Principal Investigator on the Organized Research Project: "Investigations in Solid-State Electronics." This will be appropriated to the account for Research Assistants on the same project. (Budgeted salary \$5,750.00 for 12 months; Principal Investigator, Mr. Russell Holland Seacat, Jr.; Account No. 1604A).

1315. Appropriate from the Unappropriated Balance (Organized Research), the sum of \$1,740.00 to the budgeted allocation for Research Assistants for the Organized Research Project: "Investigations in Solid-State Electronics," Account No. 1604A.

1316. Employ Mr. Alonzo Franklin Adkins as a Research Assistant on the Organized Research Project: "Investigations in Solid-State Electronics," at a salary of \$580.00 for three months, effective June 1, 1962 through August 31, 1962. (Budgeted salary \$580.00 for 3 months, Account No. 1604A).

1317. Employ Mr. Tommy Royce Burkes as a Research Assistant on the Organized Research Project: "Investigations in Solid-State Electronics," at a salary of \$580.00 for three months, effective June 1, 1962 through August 31, 1962. (Budgeted salary \$580.00 for 3 months, Account No. 1604A).

1318. Employ Mr. Bill Gwock Wing Yee as a Research Assistant on the Organized Research Project: "Investigations in Solid-State Electronics," at a salary of \$580.00 for three months, effective June 1, 1962 through August 31, 1962. (Budgeted salary \$580.00 for 3 months, Account No. 1604A).

Organized Research (Account No. 1763)

1319. Employ Mr. Ronald C. Foster as a Research Assistant on the Organized Research Project: "Vibratory Response of Rigid Frame Structures," at a salary of \$800.00 for four and one-half months, effective January 22, 1962 through June 6, 1962. (Budgeted salary \$1,934.00 for 12 months, p. 235).

Organized Research (Account No. 1803)

1320. Appropriate from the Unappropriated Balance (Organized Research), the sum of \$90.01 to the Maintenance, Equipment and Travel Account of the Organized Research Project: "An Investigation of the Effectiveness of College Preparation of Home Economics Graduates for Positions Held Since Graduation," and close the account. (Account No. 1803; Dr. Jessie Adele Bateman, Principal Investigator).

Fellowships and Scholarships (Account No. 1851)

1321. Grant Mr. Charles F. Dais a Doctoral Scholarship in the Department of Chemistry, in the amount of \$333.33 for the 1962 Summer School, effective June 1, 1962 through August 25, 1962. (Budgeted \$333.33 for Chemistry; Account No. 1851; p. 241).

Fellowships and Scholarships (Account No. 1851)

1322. Grant Mr. Frank Feng-Kang Sun a Doctoral Scholarship in the Department of Chemistry, in the amount of \$333.33 for the 1962 Summer School, effective June 1, 1962 through August 25, 1962. (Budgeted \$333.33 for Chemistry; Account No. 1851; p. 241).

1323. Grant Mr. Frederick Henry Wolfe a Doctoral Scholarship in the Department of Chemistry, in the amount of \$333.34 for the 1962 Summer School, effective June 1, 1962 through August 25, 1962. (Budgeted \$333.34 for Chemistry; Account No. 1851; p. 241).

1324. Grant Mr. Charles Len Ainsworth a Doctoral Scholarship in the Department of Education and Philosophy, in the amount of \$250.00 for the 1962 Summer School, effective June 1, 1962 through August 25, 1962. (Budgeted \$250.00 for Education and Philosophy; Account No. 1851; p. 241).

1325. Grant Mr. Donald Eugene Bumpass a Doctoral Scholarship in the Department of Education and Philosophy, in the amount of \$250.00 for the 1962 Summer School, effective June 1, 1962 through August 25, 1962. (Budgeted \$250.00 for Education and Philosophy; Account No. 1851; p. 241).

1326. Grant Mr. Joe Dean Payne a Doctoral Scholarship in the Department of Education and Philosophy, in the amount of \$250.00 for the 1962 Summer School, effective June 1, 1962 through August 25, 1962. (Budgeted \$250.00 for Education and Philosophy; Account No. 1851; p. 241).

1327. Grant Mrs. Marylea Wood a Doctoral Scholarship in the Department of Education and Philosophy, in the amount of \$250.00 for the 1962 Summer School, effective June 1, 1962 through August 25, 1962. (Budgeted \$250.00 for Education and Philosophy; Account No. 1851; p. 241).

1328. Grant Mr. John Cintron, Jr. a Doctoral Scholarship in the Department of Geology, in the amount of \$1,000.00 for the period, February 1, 1962 through August 25, 1962. (Budgeted \$1,000.00 for Geology; Account No. 1851; p. 241).

Texas State Parks Board Project (Account No. 3006)

1329. Terminate the contract of Mrs. Mabel Cleland, Secretary and Assistant to the Project Leader, Texas State Parks Board Project, at an annual salary of \$3,600.00, effective at the close of the day, January 12, 1962. (Budgeted salary \$3,600.00 for 12 months; Mr. Elo Joe Urbanovsky, Project Director, Account No. 3006).

1320. Employ Mrs. Margaret Ann Blackburn as Secretary and Assistant to the Project Leader, Texas State Parks Board Project, at an annual salary of \$3,600.00, effective January 15, 1962 through August 31, 1962, vice Mrs. Mabel Cleland, resigned. (Budgeted salary \$3,600.00 for 12 months; Mr. Elo Joe Urbanovsky, Project Director, Account No. 3006).

Organized Research (Account No. 3146A)

1321. Terminate the contract of Mr. Stuart Convers, Student Assistant on the Organized Research Project, Account No. 3146A, at a salary of \$217.00 for four months, effective at the close of the day, November 30, 1961. (Budgeted salary \$217.00 for four months; Account No. 3146A; Dr. Wesley W. Wendlandt, Principal Investigator).

1322. Approve a transfer in the amount of \$550.00 from the budgeted allocation for "Salaries" to the budgeted allocation for "Maintenance, Equipment and Travel" for the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," in the budget for the period, February 1, 1961 through January 31, 1962. (Principal Investigator, Dr. Wesley W. Wendlandt; Account No. 3146A).

1323. Approve a revised budget in the amount of \$21,485.00 for the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," for the period, February 1, 1962 through January 31, 1963. A copy of the revised budget is attached and made a part of the Minutes. Attachment No. 16.

Organized Research (Account No. 3147A)

1324. Employ Mr. Charles Clifton Rich as a Research Assistant on the Organized Research Project: "Modification of the Raven Progressive Matrices for Presentation to the Blind," at a salary of \$222.22 per month, effective February 1, 1962 through August 31, 1962. (Budgeted salary \$5,600.00 for Research Assistants; Account No. 3147A; Dr. Robert P. Anderson, Principal Investigator).

1325. Employ Mrs. Eula Parkinson as a Part-time Secretary on the Organized Research Project: "Modification of the Raven Progressive Matrices for Presentation to the Blind," at a salary of \$109.00 per month, effective February 1, 1962 through May 31, 1962. This salary is to be paid \$400.00 from Account No. 1673A and \$36.00 from Account No. 3147A. (Budgeted salary \$400.00, Account No. 1673A and \$800.00, Account No. 3147A; Dr. Robert P. Anderson, Principal Investigator).

Organized Research (Account No. 3156)

1326. Employ Mr. Charles F. Dais as a Research Assistant in the Department of Chemistry on the Organized Research Project: "Reactions of Thioaromatic Compounds," at a salary of \$700.00 for the period, June 1, 1962 through August 31, 1962. (Budgeted salary; Account No. 3156; Dr. Henry J. Shine, Principal Investigator).

Organized Research (Account No. 3169)

1327. Appoint Dr. John A. Waters as a Post-doctoral Research Fellow on the Organized Research Project: "Hydrocarbon Oxidation and the Reactions of Acyloxy Radicals," at a stipend of \$6,000.00 for the period, May 1, 1962 through April 30, 1963. This Fellowship is to be paid from Welch Foundation Grant No. D-028, Account No. 3169.

1328. Appoint Mr. David M. Hoffman as a Pre-doctoral Research Fellow on the Organized Research Project: "Hydrocarbon Oxidation and the Reactions of Acyloxy Radicals," at a stipend of \$800.00 for the period, May 1, 1962 through August 31, 1962. This Fellowship is to be paid from Welch Foundation Grant No. D-028, Account No. 3169.

Texas Tech College Bookstore

1329. Grant Mrs. Myrtle Levi Tunnell, Sales Person in the Texas Tech College Bookstore, a leave of absence without pay, effective January 16, 1962 (5 p.m.) through February 28, 1962. (Budgeted salary \$2,808.00 for 12 months, p. 246).

1330. Approve a transfer in the amount of \$346.67 from the budgeted allocation for a Sales Person (Mrs. Tunnell) to the budgeted allocation for Student Assistants and/or Part-time Help in the budget for Texas Tech College Bookstore.

1331. Grant permission to the Texas Tech College Bookstore to purchase classroom materials from the following staff members:

Dr. Joe A. Adamcik, purchase of

50 copies, Experimental Organic Chemistry,
@ \$2.75 each, less 20% ----- \$ 110.00

Mr. Edsel Buchanan, purchase of

160 copies, Basketball Manuals, @ \$1.75 each ----- 280.00
36 copies, Elements of Tumbling, @ \$1.75 each ----- 63.00
80 copies, Handball Manuals, @ \$1.75 each ----- 140.00

Mr. C. G. Decker, purchase of

250 copies, Elements of Statics, @ \$3.00 each ----- 750.00

Mr. George Philbrick, purchase of

100 copies, Tennis Manuals, @ \$1.00 each ----- 100.00

TOTAL ----- \$1,443.00

Texas Tech College Bookstore

1332. Grant permission to the Texas Tech College Bookstore to purchase classroom materials from the following staff member:

Dr. Ramon W. Kireilis, purchase of

200 copies, <u>Physical Activities</u> , @ \$2.00 each -----	\$ 400.00
15 copies, <u>Weight Lifting</u> , @ \$2.25 each -----	33.75
100 copies, <u>Advanced Swimming</u> , @ \$1.70 each -----	170.00
190 copies, <u>Weight Training Manual</u> , @ \$2.25 each ---	427.50
350 copies, <u>Bowling Manual</u> , @ \$1.70 each -----	595.00
TOTAL -----	<u>\$1,626.25</u>

Texas Technological College Research Farm

1333. Employ Mr. Edgar Dale Herring as a Research Assistant, Texas Technological College Research Farm, Pantex, Texas, for the purpose of making an economic analysis of the performance testing programs, at a salary of \$1,225.00 for the period, February 1, 1962 through August 31, 1962. This salary will be paid at the rate of \$118.75 per month, from February 1, 1962 through May 31, 1962 and at the rate of \$250.00 per month, from June 1, 1962 through August 31, 1962. This will be paid from unallocated funds, Texas Technological College Research Farm at Pantex, Texas.

Parking and Traffic Service

1334. Employ Mr. Eldon J. Beesinger as a Patrolman in Parking and Traffic Service, at an annual salary of \$3,300.00 from November 20, 1961 through February 19, 1962 and \$3,600.00 from February 20, 1962 through August 31, 1962, vice Mr. Hubert D. Taylor, resigned. (Budgeted salary \$3,600.00 for 12 months, p. 259).

Student Health Service

1335. Accept the resignation of Mrs. Mary E. Wright, Registered Nurse in the Student Health Service, at an annual salary of \$3,804.00 plus five meals per week, effective at the close of the day, January 3, 1962. (Budgeted salary \$3,804.00 plus five meals per week, p. 261).

Student Union

1336. Employ Mr. Dallas Guyron Biggers as Assistant Director of the Student Union, at an annual salary of \$5,500.00, effective February 1, 1962 through August 31, 1962, vice Mr. Roger Loter, resigned. (Budgeted salary \$3,935.00 for 9 months, p. 263).

1337. Accept the resignation of Miss Lanelle Jackson, Head Bookkeeper, Student Union, at a monthly salary of \$245.83, effective at the close of the day, November 30, 1961. (Budgeted salary \$3,143.32 for 12 months, p. 263).

1338. Employ Mrs. Bonnie Jean Blair Stubbs as Bookkeeper in the Student Union, at an annual salary of \$3,000.00, effective December 1, 1961 through August 31, 1962, vice Miss Lanelle Jackson, resigned. (Budgeted salary \$3,143.32 for 12 months, p. 263).

1339. Accept the resignation of Mr. Ray F. Crawford, Snack Bar Supervisor in the Student Union, at an annual salary of \$3,120.00 plus five meals per week, effective at the close of the day, January 19, 1962. (Budgeted salary \$3,200.00 plus five meals per week, p. 265).

Texas Tech Press

1340. Accept the resignation of Mr. Kenneth Dale Phillips, Bindery Foreman for the Texas Tech Press, at an annual salary of \$5,388.00, effective at the close of the day, December 22, 1961. (Budgeted salary \$5,388.00 for 12 months, p. 271).

Dormitory Systems (Administration)

1341. Employ Mrs. Lynda M. Huneke as a Stenographer in the Office of the Director of Food Service (Dormitory Systems), at an annual salary of \$2,700.00, effective November 20, 1961 through August 31, 1962. This will be paid from Dormitory Funds. (New Position).

Dormitory Systems (Maintenance)

1342. Employ Mr. Thomas L. Hearne as an Apprentice Locksmith and Door Closer in the Dormitory Systems (Maintenance), at an annual salary of \$3,108.00, effective December 18, 1961 through August 31, 1962, vice Mr. Julian E. Aubrey, contract terminated. (Budgeted salary \$3,360.00, p. 276).

1343. Approve the transfer of \$104.80 from the unfilled budgeted position of Locksmith and Door Closer Apprentice in the Dormitory Maintenance Budget to a new item - Extra Maintenance Help, Dormitory Maintenance.

Dormitory Systems (Dormitory Supervision)

1344. Employ Mr. James D. Schiermeyer as Supervisor in Sneed Hall, at a salary of \$140.00 per month from November 25, 1961 through January 20, 1962, and at a salary of \$300.00 per month from January 21, 1962 through May 31, 1962, plus apartment for Supervisor and wife and meals for both during the time the dining hall is in operation, vice Mr. Ernest K. Silverthorn, resigned. (Budgeted salary \$3,000.00 for 9 months, plus apartment and meals for Supervisor and wife, p. 284).

Textile Research Laboratories

1345. Accept the resignation of Mr. Edwin Ray Foster, Jr., Assistant Research Principal in the Textile Research Laboratories, at an annual salary of \$5,800.00, effective at the close of the day, December 31, 1961. (Budgeted salary \$5,800.00 for 12 months, p. 307).

Textile Research Laboratories (Account No. 3172 and 3173)

1346. Employ Mrs. Barbara Ann Underwood as Secretary-Technician in the Textile Research Laboratories, at an annual salary of \$3,120.00, effective November 1, 1961 through August 31, 1962, vice Mrs. Glenda Gay Killebrew, resigned. (Budgeted salary \$2,600.00 for 10 months; Account No. 3172 and No. 3173).

Textile Research Laboratories (Account No. 3172)

1347. Employ Mrs. Flores Crump Myers as a Part-time Technician in the Textile Research Laboratories (Account No. 3172), at a salary of \$140.00 per month, effective February 1, 1962 through May 31, 1962. This salary will be paid from the budgeted allocation for Salaries and Wages, Account No. 3172.

Intercollegiate Athletics

1348. Accept the resignation of Mr. Matt Richard Lair, Jr., Assistant Football Coach, at an annual salary of \$9,200.00, effective at the close of the day, January 17, 1962. (Budgeted salary \$9,200.00 for 12 months).

1349. Terminate the contract of Mrs. Peggy Willman, Receptionist for the Department of Intercollegiate Athletics, at an annual salary of \$2,400.00, effective at the close of the day, December 31, 1961. (Budgeted salary \$2,400.00 for 12 months).

1350. Employ Mrs. Betty Martin as a Receptionist for the Department of Intercollegiate Athletics, at an annual salary of \$2,400.00, effective January 2, 1962 through August 31, 1962, vice Mrs. Peggy Willman, resigned. (Budgeted salary \$2,400.00 for 12 months).

Athletic Offices (Intercollegiate Athletics)

1351. Approve November 21, 1961 as the final acceptance date for the installation of the air conditioning system for the Athletic Offices by the Armstrong Supply Company, Lubbock, Texas.

Gift (Texas Technological College)

1352. Accept from Mr. and Mrs. Stanley Marcus, Neiman-Marcus, Dallas 1, Texas, a gift of the painting "Natura Morta II" by Piero Ruggeri. This painting has been appraised by the Joseph Sartor Galleries at \$750.00. This painting has been placed in the Texas Technological College Museum.

Gift (Agricultural Engineering)

1353. Accept the gift of three drums of Marlex Fluff at an estimated value of \$120.00, from the Phillips Chemical Company of Bartlesville, Oklahoma, for use in Research Project TTA-3-4, "Evaluation of Systems Used for Wells Recharged into the Ogallala Formation," and authorize the Secretary to write a letter of appreciation for the Board to the Phillips Chemical Company.

Gift (Chemical Engineering)

1354. Accept a gift of thirty-eight safety hats from the Phillips Petroleum Company, Bartlesville, Oklahoma, for the School of Engineering, Texas Technological College. These hats are being used in the Department of Chemical Engineering to further the safety program of the Department. (Re: Lubbock Avalanche Journal, December 6, 1961).

Gift (Textile Research Laboratories)

1355. Mr. George W. Pfeifferberger, Executive Vice President, Plains Cotton Growers, Inc., Lubbock, Texas, has advised President Goodwin that the Plains Cotton Growers, Inc., has allocated \$10,000.00 to aid in air conditioning of the Pilot Spinning Plant, Textile Research Laboratories, Texas Technological College. The funds are available at any time the College needs to call them for the purpose indicated above. Authorize the acceptance of the gift with sincere appreciation.

Gift (Account No. _____)

1356. Accept a cash gift in the amount of \$1,500.00 through the Texas Technological College Foundation, from R. A. and Venie Beatrice Jefferies Foundation, c/o R. A. Jefferies, First National Bank, Hale Center, Texas, for use by Texas Technological College.

Gift (Account No. 3041)

1357. Accept a cash gift in the amount of \$15.00 through the Texas Technological College Foundation, from Mrs. Weldon Bailey, Route 1, Wilson, Texas, for the Speech Clinic at Texas Technological College.

1358. Accept a cash gift in the amount of \$15.00 through the Texas Technological College Foundation, from Mrs. Bob M. Harris, 1309 - 41st Street, Lubbock, Texas, for the Speech Clinic at Texas Technological College.

Gift (Account No. 3044)

1359. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from the Avalanche-Journal Publishing Company, 710 Avenue J, Lubbock, Texas, for the Journalism Cost-of-Education Grant at Texas Technological College.

Gift (Account No. 3205)

1360. Accept a cash gift in the amount of \$5.00 through the Texas Technological College Foundation, from Dr. and Mrs. Steglich, 5010 Tenth Street, Lubbock, Texas, for Southwest Collection, in memory of Dr. Earl L. Koos.

Gift (Account No. 3256)

1361. Accept a cash gift in the amount of \$1,500.00 through the Texas Technological College Foundation, from Mr. R. H. Fulton, R. H. Fulton and Company, 2323 Erskine Road, Lubbock, Texas, for the Museum Art Fund at Texas Technological College.

1362. Accept a cash gift in the amount of \$100.00 through the Texas Technological College Foundation, from Dr. Clifford B. Jones, Lubbock National Bank, 916 Main Street, Lubbock, Texas, for the Museum Art Fund at Texas Technological College.

General Unrestricted Gifts and Grants (Account No. 3289)

1363. Accept a cash gift in the amount of \$500.00 from the Creole Petroleum Corporation, 15 West 51st Street, New York City 19, New York, for the unrestricted use by the College. The funds have been deposited to Account No. 3289, General Unrestricted Gifts and Grants.

Gift (Account No. 3314)

1364. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from Howell Instruments, Inc., 3479 West Vickery Boulevard, Fort Worth 7, Texas, for the Howell Instrument Company Electrical and Mechanical Engineering Scholarship Fund at Texas Technological College for the 1961-62 Academic Year.

Gift (Account No. 3340)

1365. Accept a cash gift in the amount of \$750.00 through the Texas Technological College Foundation, from the Brownfield State Bank and Trust Company, c/o Mr. J. O. Gillham, President, Post Office Box 1112, Brownfield, Texas, for the Brownfield State Bank and Trust Company Scholarships at Texas Technological College for the 1961-62 Academic Year.

Gift (Account No. 3352)

1366. Accept a cash gift in the amount of \$250.00 through the Texas Technological College Foundation, from Cagle Brothers Furniture, 2202 Avenue Q, Lubbock, Texas, for the Cagle Scholarships in Applied Arts at Texas Technological College.

Gift (Account No. 3364)

1367. Accept a cash gift in the amount of \$600.00 through the Texas Technological College Foundation, from Mrs. Inez Carter, 412 Combs-Worley Building, Pampa, Texas, for the Inez Carter Scholarships (three @ \$200.00 each) at Texas Technological College.

Gift (Account No. 3464)

1368. Accept a cash gift in the amount of \$300.00 through the Texas Technological College Foundation, from the Frontier Chemical Company, Post Office Box 545, Wichita, Kansas, for the Frontier Chemical Company Scholarship at Texas Technological College for the 1961-62 Academic Year.

Gift (Account No. 3371)

1369. Accept a cash gift in the amount of \$100.00 through the Texas Technological College Foundation, from the D. A. Childers Estate, 2005 Tenth Street, Lubbock, Texas, for the Jack and David Childers Scholarship Fund at Texas Technological College.

Gift (Account No. 3452)

1370. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from the Estate of Ethel Foster, c/o Fay M. Hildebrand, Executrix, First National Bank, Sterling City, Texas, for the Ethel Foster Scholarship Fund at Texas Technological College.

Gift (Account No. 3520)

1371. Accept a cash gift in the amount of \$1,500.00 through the Texas Technological College Foundation, from Mr. D. D. Harrington, 701 First National Bank Building, Amarillo, Texas, for the D. D. Harrington Freshman Engineering Scholarships at Texas Technological College for the 1961-62 Academic Year.

Gift (Account No. 3560)

1372. Accept a cash gift in the amount of \$400.00 through the Texas Technological College Foundation, from the Kuykendall Foundation, c/o Mr. George P. Kuykendall, Post Office Box 1198, Lubbock, Texas, for the Kuykendall Foundation Scholarships at Texas Technological College.

1373. Accept a cash gift in the amount of \$400.00 through the Texas Technological College Foundation, from the Kuykendall Foundation, Post Office Box 1198, Lubbock, Texas, for the Kuykendall Foundation Scholarships at Texas Technological College.

Gift (Account No. 3568)

1374. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from Lubbock Auto, Inc., 820 Texas Avenue, Lubbock, Texas, for the Lubbock Auto Company Fellowship at Texas Technological College for the 1961-62 Academic Year.

Gift (Account No. 3576)

1375. Accept a cash gift in the amount of \$50.00 through the Texas Technological College Foundation, from the Lubbock County Bar Auxiliary Association, c/o Mrs. Hugh Harrell, President, 2322 - 55th Street, Lubbock, Texas, for the Lubbock Bar Auxiliary Scholarship at Texas Technological College.

Gift (Account No. 3618)

1376. Accept a cash gift in the amount of \$10.00 through the Texas Technological College Foundation, from Dr. and Mrs. James G. Morris and Mrs. D. D. Cross, Lubbock, Texas, for the Chris Mansell Memorial Fund at Texas Technological College.

Gift (Account No. 3664)

1377. Accept a cash gift in the amount of \$150.00 through the Texas Technological College Foundation, from the Plains Ginners' Association, Post Office Box 1161, Lubbock, Texas, for the Plains Ginners' Association Scholarship for the 1961-62 Academic Year at Texas Technological College, awarded to Mr. William Lyle and Mr. Daniel L. Cave.

Gift (Account No. 3706)

1378. Accept a cash gift in the amount of \$250.00 through the Texas Technological College Foundation, from Mr. Wayne C. Sellers, Herald Publishing Company, Drawer 711, Rock Hill, South Carolina, for the Doc Sellers Scholarship at Texas Technological College for the 1962-63 Academic Year.

Gift (Account No. 3707)

1379. Accept a cash gift in the amount of \$100.00 through the Texas Technological College Foundation, from The Sertoma Club, c/o Dr. H. O. Simmons, Jr., Vice President, 3702 - 21st Street, Lubbock, Texas, for The Sertoma Club Scholarship at Texas Technological College.

Speech Scholarship (Account No. 3760)

1380. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from the Sinclair Oil Corporation for the Speech Scholarships. This was an award won in a debate over St. Mary's University on Sunday, January 21, 1962 on the TV debate tournament sponsored by the Sinclair Refining Company, 600 Fifth Avenue, New York City 20, New York. This program was televised from Dallas over the Texas TV network.

Texas-New Mexico Dairy Tech Society Scholarship Fund (Account No. 3794)

1381. Approve the establishment of the Texas-New Mexico Dairy Tech Society Scholarship Fund, effective September 1, 1962. The proposed catalog description is given below:

TEXAS-NEW MEXICO DAIRY TECH SOCIETY SCHOLARSHIP FUND

Texas-New Mexico Dairy Tech Society has established a three year scholarship in the amount of \$150.00 annually for a Sophomore student majoring in Dairy Industry. Applicant must be a Freshman at Texas Technological College. Selection to be made in March; renewal is contingent upon evidence of scholarship and achievement. Applications should be addressed to Head, Dairy Industry Department.

1382. Accept a cash gift in the amount of \$150.00 through the Texas Technological College Foundation, from the Texas-New Mexico Dairy Society, c/o Mr. H. D. Blythe, Jr., Treasurer, 3202 Mockingbird Lane, Amarillo, Texas, for the Texas-New Mexico Dairy Tech Society Scholarship Fund at Texas Technological College for the 1962-63 Academic Year.

Gift (Account No. 3813)

1383. Accept a cash gift in the amount of \$150.00 through the Texas Technological College Foundation, from West Texas-New Mexico Chapter, National Electrical Contractors Association, Post Office Box 121, Lubbock, Texas, for the West Texas-New Mexico Chapter of National Electrical Contractors Association Scholarship in Electrical Engineering for the 1961-62 Spring Semester, awarded to Mr. L. Masten.

Gift (Account No. 3815)

1384. Accept a cash gift in the amount of \$50.00 through the Texas Technological College Foundation, from Theta Sigma Phi, c/o Miss Freda McVay, 2405-27th Street, Lubbock, Texas, for the West Texas Publishers Scholarship Fund, Department of Journalism, at Texas Technological College.

Gift (Account No. 5012)

1385. Accept a cash gift in the amount of \$50.00 through the Texas Technological College Foundation, from the Junior Twentieth Century Club, c/o Miss Mayme Alexander, 4411 Nineteenth Street, Lubbock, Texas, for the Lottie Hilton Memorial Loan Fund at Texas Technological College.

Gift (Account No. 5034)

1386. Accept a cash gift in the amount of \$592.50 through the Texas Technological College Foundation, from Hemphill-Wells Company, 1212 Avenue J, Lubbock, Texas, for the Hemphill-Wells Student Loan Fund at Texas Technological College.

Gift (Account No. 6009)

1387. Accept a cash gift in the amount of \$15.00 through the Texas Technological College Foundation, from Mrs. M. J. Williams, Box 296, Shallowater, Texas, for the Margaret W. Weeks Scholarship Fund at Texas Technological College.

1388. Accept a cash gift in the amount of \$2.00 through the Texas Technological College Foundation, from Mrs. James D. Abbott, 2407 North Main, Temple, Texas, for the Margaret W. Weeks Scholarship Fund at Texas Technological College.

1389. Accept a cash gift in the amount of \$5.00 through the Texas Technological College Foundation, from Mrs. J. L. Nolan, Quarters 270, Parris Island, South Carolina, for the Margaret W. Weeks Scholarship Fund at Texas Technological College.

1390. Accept a cash gift in the amount of \$10.00 through the Texas Technological College Foundation, from Dr. Ilse H. Wolf, 2209 West Admiral, Stillwater, Oklahoma, for the Margaret W. Weeks Scholarship Fund at Texas Technological College.

Gift (Account No. 6009)

1391. Correct Item No. 982, Board Minutes of December 9, 1961 to read "accept cash gift in the amount of \$42.00" instead of "accept cash gift in the amount of \$62.00" and correct the amount of the gift from Mrs. James H. Gunter, Claude, Texas, to read "\$10.00" instead of "\$30.00."

Gift (Account No. 6010)

1392. Accept a cash gift in the amount of \$40.00 through the Texas Technological College Foundation, from Professor Raymond P. Elliott, Post Office Box 4134, Tech Station, Lubbock, Texas, for the Roberta Elliott Lindly and Phyllis Elliott Scholarship Fund at Texas Technological College.

1393. Accept a cash gift in the amount of \$40.00 through the Texas Technological College Foundation, from Professor Raymond P. Elliott, Post Office Box 4134, Tech Station, Lubbock, Texas, for the Roberta Elliott Lindly and Phyllis Elliott Scholarship Fund at Texas Technological College.

Gift (Account No. 6011)

1394. Accept cash gifts in the amount of \$109.00 through the Texas Technological College Foundation, for the Ray C. Mowery Scholarship Fund at Texas Technological College. A list of the donors and the amount of each contribution is given below:

<u>DONOR</u>	<u>AMOUNT</u>	<u>DONOR</u>	<u>AMOUNT</u>
Mrs. Troy Dean Jones 945 Novarese Road Memphis 17, Tennessee	\$ 2.00	Mr. Richard Ligon 3005 SW 65th Place Oklahoma City, Oklahoma	\$10.00
Professor T. L. Leach Agriculture 319 Texas Technological College Lubbock, Texas	25.00	Mr. Koy L. Neeley 602 East Building Hunting Towers Alexandria, Virginia	25.00
Mr. Robert E. Gray USOM/Ecuador State Dept. Mail Room Washington 25, D. C.	25.00	Mrs. Edwin Garnett Route 2, Box 166B Portales, New Mexico	2.00
Mr. H. O. Beard 3605 Avenue U Snyder, Texas	5.00	Mr. Lewis E. Nance Post Office Box 2A Haslet, Texas	15.00

Gift (Account No. 7321)

1395. Accept a cash gift in the amount of \$25,000.00 through the Texas Technological College Foundation, from The Thornton Foundation, Beverly Hills, California, for the Building Fund of the Texas Technological College Library, in memory of Mr. Lloyd Croslin.

1396. Accept a cash gift in the amount of \$500.00 through the Texas Technological College Foundation, from Mrs. Ruth Baird Larrabee, c/o Mr. E. E. Ellis, 909 Scarritt Building, Kansas City, Missouri, for the Building Fund of the Texas Technological College Library.

Gift (Account No. 9000)

1397. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from the Bell Fund of The Buffalo Foundation, 232 Delaware Avenue, Buffalo, New York, for unrestricted use by Texas Technological College.

Gift (Account No. 9014)

1398. Accept a cash gift in the amount of \$500.00 through the Texas Technological College Foundation, from Fundacion Creole, Aparado 889, Caracas, Venezuela, for the Foundation Special Fund at Texas Technological College, to be expended upon approval of the President and/or Vice President and Comptroller.

1399. Accept a cash gift in the amount of \$200.00 through the Texas Technological College Foundation, from Mr. O. B. Ratliff, Great Plains Life Building, Lubbock, Texas, for the Foundation Special Fund at Texas Technological College.

1400. Accept a cash gift in the amount of \$250.00 through the Texas Technological College Foundation, from Mr. Bill Collins, 3114 - 22nd Street, Lubbock, Texas, for the Foundation Special Fund at Texas Technological College.

Gift (Account No. 9027)

1401. Accept a cash gift in the amount of \$50.00 through the Texas Technological College Foundation, from the Ex-Students Association (Mr. Earl Fuson), Texas Technological College, Lubbock, Texas, for the Dutch Wiginton Memorial Fund at Texas Technological College.

1402. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from T.I.M.E. Motor Freight, Inc., Post Office Box 1120, Lubbock, Texas, for the Texas Technological College Library Building Fund.

Gift (Account No. 9041)

1403. Accept a cash gift in the amount of \$10.00 through the Texas Technological College Foundation, from Mr. and Mrs. J. D. Lyons, 4170 Ironton, Beaumont, Texas, for the Library Enrichment Fund at Texas Technological College, in memory of Mr. Stewart Thomas Edwards, Mrs. Ashford J. Howard, Mrs. Thomas W. Blount and Mrs. Widdie K. Freeman.

Gift (Account No. 9250)

1404. Accept a cash gift in the amount of \$460.00 through the Texas Technological College Foundation, from Mr. Charles C. Thompson, Colorado City, Texas, for the purchase of a Bell & Howell Projector for Thompson Hall.

Gift (Account No. 9446)

1405. Accept a cash gift in the amount of \$300.00 through the Texas Technological College Foundation, from the Society of Petroleum Engineers of the American Institute of Mechanical Engineering, c/o Mr. Carroll D. Hudson, Chairman, Southwest Texas Section, Post Office Box 1682, Corpus Christi, Texas, for the Charles H. Snelson Memorial Scholarship at Texas Technological College, awarded to Mr. Kenneth Wade Harbin.

Out-of-State Leaves

I recommend your approval of the following Out-of-State Leaves without loss of pay by the staff members listed below:

1406. Grant permission to Mr. John A. Anderson, Assistant Professor of Chemistry, to go to Corvallis, Oregon, from January 22, 1962 through January 25, 1962, to take final oral examination as part of the requirements for the Ph.D. degree in Biochemistry; at no expense to the College.

1407. Grant permission to Dr. William B. Arper, Professor of Geology, to go to Carlsbad, New Mexico, from February 23, 1962 through February 25, 1962, to make arrangements for field trip for staff and graduate students and distinguished international visiting scientists; expenses are to be paid from the Department of Geology Maintenance, Equipment and Travel Account.

1408. Grant permission to Dr. William B. Arper, Professor of Geology, to go to San Francisco, California, from March 22, 1962 through April 1, 1962, to attend the annual meetings and field trips of the American Association of Petroleum Geologists, to obtain information and materials for use in classroom instruction at Texas Technological College, particularly in the fields of Sedimentation and Field Geology; expenses are to be paid from the Department of Geology Maintenance, Equipment and Travel Account.

1409. Grant permission to Dr. William B. Arper, Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1410. Grant permission to Dr. Donald Ashdown, Professor in the Department of Horticulture and Park Management, to go to Oklahoma City, Oklahoma, from February 11, 1962 through February 14, 1962, to attend a meeting of the Southwestern Branch, Entomological Society of America and give a paper based on original research entitled: "Correlation of Sorghum Head Type and Blooming Date with Damage by the Sorghum Midge"; to make contacts regarding the placement of graduating seniors at Texas Technological College; expenses are to be paid from the Department of Horticulture and Park Management Maintenance, Equipment and Travel Account.

1411. Grant permission to Dr. M. A. Bassam, Professor of Mathematics, to go to Cincinnati, Ohio, from January 20, 1962 through January 28, 1962, to attend the annual meetings of the American Mathematical Society and the Mathematical Association of America, to obtain information and ideas to be used in research projects and classroom instruction at Texas Technological College; expenses are to be paid from the Department of Mathematics Maintenance, Equipment and Travel Account.

1412. Grant permission to Mr. Jack Bates, Superintendent of Utilities, to go to Albuquerque, New Mexico, from December 8, 1961 through December 11, 1961, to attend a Regional Superintendent/Foreman Meeting at the University of New Mexico, to obtain information and ideas for use in the maintenance program at Texas Technological College; expenses are to be paid from Building Maintenance and Utilities Administration Maintenance, Equipment and Travel Account.

1413. Grant permission to Dr. Floyd D. Boze, Dean of Admissions and Registrar, to go to Kansas City, Missouri, from April 23, 1962 through April 27, 1962, to attend the annual meeting of the American Association of Collegiate Registrars and Admissions Officers, to obtain the latest information concerning admissions requirements; expenses are to be paid from the Office of the Dean of Admissions and Registrar Maintenance, Equipment and Travel Account.

1414. Cancel Item No. 628, Board Minutes of November 3, 1961, granting permission to Dr. John R. Bradford, Dean of the School of Engineering, to go to New York City, New York and Washington, D. C., from December 3, 1961 through December 8, 1961.

Out-of-State Leaves

1415. Grant permission to Dr. John R. Bradford, Dean of the School of Engineering, to go to Poughkeepsie, New York, New York City, New York, and Washington, D. C., from January 14, 1962 through January 23, 1962, to attend a special conference on the development of data processing and computer technology course work in colleges and universities being offered by International Business Machines, to obtain information and materials to be used in the development of the Data Processing Center on the campus of Texas Technological College and in the installation of the IBM 1620 computer due to arrive in February; to make various calls in Allentown, Pennsylvania, New York City, and Washington, D. C. relative to research and matching grants with governmental agencies, foundations and industrial organizations; expenses are to be paid from the Office of the Dean of Engineering Maintenance, Equipment and Travel Account.

1416. Grant permission to Dr. John R. Bradford, Dean of the School of Engineering, to go to Beverly Hills, California and Palo Alto, California, from February 4, 1962 through February 14, 1962, to interview potential staff members for research in the fields of Chemical and Electrical Engineering; to discuss the progress of the Institute of Science and Engineering with Dr. C. B. Thornton, President, Litton Industries; to discuss possible research contract with the Lawrence Radiation Laboratory in Livermore, California; to discuss nuclear research proposals with General Atomics; expenses are to be paid from the Institute of Science and Engineering, Account No. 3058.

1417. Grant permission to Dr. John P. Brand, Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1418. Grant permission to Mr. Edsel Buchanan, Director of Intramurals for Men, to go to University Park, New Mexico, from March 21, 1962 through March 25, 1962, to attend the annual conference of the National Intramural Association; to participate in panel and committee presentations pertaining to the administration, organization, and supervision of intramural programs; to obtain information and materials to be used in improving the Intramural Program at Texas Technological College; expenses are to be paid from the Intramural Program for Men Maintenance, Equipment and Travel Account No. 2029.

1419. Grant permission to Mrs. Valerie Jean Burns, Teaching Fellow, Department of Business Education and Secretarial Administration, to go to Rensselaer, New York, from December 19, 1961 through December 21, 1961; at no expense to the College.

1420. Grant permission to Dr. Earl D. Camp, Professor and Head, Department of Biology, to go to Washington, D. C., from December 7, 1961 through December 10, 1961, to attend a meeting of Directors of the 1962 Summer Institutes sponsored by the National Science Foundation, to obtain information and ideas for use in the Institute to be conducted at Texas Technological College; at no expense to the College.

1421. Grant permission to Dr. Earl D. Camp, Professor and Head, Department of Biology, to go to Washington, D. C., from January 27, 1962 through January 31, 1962, to serve on a panel sponsored by the National Science Foundation and the American Association for the Advancement of Science to evaluate the applications for Summer Fellowships for Secondary School Teachers of Science and Mathematics; at no expense to the College.

1422. Grant permission to Miss Evelyn Clewell, Assistant Registrar, to go to Kansas City, Missouri, from April 23, 1962 through April 27, 1962, to attend the annual meeting of the American Association of Collegiate Registrars and Admissions Officers, to obtain the latest information concerning admissions requirements; expenses are to be paid from the Office of the Dean of Admissions and Registrar Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1423. Grant permission to Mr. W. C. Cole, Manager, Texas Tech College Bookstore, to go to New York City, New York, from April 22, 1962 through April 29, 1962, to attend the 39th Annual Meeting and Trade Fair of the National Association of College Stores and to inspect the numerous college bookstores in the New York City area; expenses are to be paid from the Bookstore Maintenance, Equipment and Travel Account.

1424. Grant permission to Mr. George H. Coon, Manager of the Textbook Department, Texas Tech College Bookstore, to go to New York City, New York, from April 22, 1962 through April 29, 1962, to attend the 39th Annual Meeting and Trade Fair of the National Association of College Stores and to inspect the numerous college bookstores in the New York City area; expenses are to be paid from the Bookstore Maintenance, Equipment and Travel Account.

1425. Grant permission to Dr. J. William Davis, Professor and Head, Department of Government, to go to Chicago, Illinois, from January 9, 1962 through January 14, 1962, to attend a meeting of the National Collegiate Athletic Association as Faculty Representative for athletics at Texas Technological College; at no expense to the College.

1426. Grant permission to Dr. John G. Dennis, Assistant Professor of Geology, to go to San Francisco, California, from March 23, 1962 through April 2, 1962, to attend the American Association of Petroleum Geologists meeting, to obtain information and materials for use in classroom instruction at Texas Technological College; at no expense to the College.

1427. Grant permission to Dr. John G. Dennis, Assistant Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1428. Grant permission to Mr. John Duke, Instructor in Mathematics, to go to Denver, Colorado, from December 27, 1961 through December 31, 1961, to attend the national meeting of the American Association for the Advancement of Science, to obtain information and materials concerning curriculum changes in Mathematics and the training of Mathematics teachers for use at Texas Technological College; expenses are to be paid from the Department of Mathematics Maintenance, Equipment and Travel Account.

1429. Grant permission to Dr. Ralph M. Durham, Professor and Head, Department of Animal Husbandry, to go to Fort Collins, Colorado, from February 1, 1962 through February 4, 1962, to attend the meeting of the Colorado Cattle Feeders' Association; to speak at the North Colorado Cattle Feeders' Annual Meeting; to inspect the Colorado State University feeding set-up with personnel of the college and confer with them on feeding problems to obtain information and ideas for improving the system at Texas Technological College; at no expense to the College.

1430. Grant permission to Dr. George O. Elle, Assistant Dean of the School of Agriculture, to attend the meeting of the Southern Section of the American Society of Horticulture Science, in Jacksonville, Florida, from February 2, 1962 through February 8, 1962, to secure information for use in classroom teaching and in the research programs in vegetable crops at Texas Technological College; expenses are to be paid from the Office of the Dean of Agriculture Maintenance, Equipment and Travel Account. This item supersedes Item No. 1003, Board Minutes of December 9, 1961.

1431. Grant permission to Mr. Paul Ellsworth, Assistant Professor of Music, to go to Jonesville, Michigan, on December 21, 1961, due to illness in family; at no expense to the College.

1432. Grant permission to Dr. Clarence Gerald Gardner, Assistant Professor of Physics, to go to Austin, Texas, from February 22, 1962 through February 25, 1962, to attend the meeting of the American Physical Society and to introduce two papers reporting research done by M. S. students entitled: "Binding of Cascade Hyperons in Nuclei" and "Lattice Vibrations of FCC Lattice"; expenses are to be paid from the Department of Physics Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1433. Grant permission to Mr. Henry L. Gray, Instructor in Mathematics, to go to Cincinnati, Ohio, from January 20, 1962 through January 28, 1962, to attend the annual meetings of the American Mathematical Society and the Mathematical Association of America, to obtain information and ideas to be used in research projects and classroom instruction at Texas Technological College; expenses are to be paid from the Department of Mathematics Maintenance, Equipment and Travel Account.
1434. Cancel Item No. 1009, Board Minutes of December 9, 1961, granting permission to Dr. T. Earle Hamilton, Professor of Foreign Languages, to go to Chicago, Illinois from December 26, 1961 through January 1, 1962.
1435. Grant permission to Mr. Rae L. Harris, Assistant Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.
1436. Grant permission to Dr. George G. Heather, Dean of the School of Business Administration, to go to New York City, New York, from December 26, 1961 through December 31, 1961, to attend the annual national conferences of the academic areas of Economics, Finance, Management, and Marketing, to interview prospective staff members for the School of Business Administration at Texas Technological College; expenses are to be paid from the Office of the Dean of Business Administration Maintenance, Equipment and Travel Account.
1437. Grant permission to Dr. George G. Heather, Dean of the School of Business Administration, to go to Chicago, Illinois, from April 23, 1962 through April 28, 1962, to attend the Regional Meeting of the representatives of member schools of the American Association of Collegiate Schools of Business as a representative from Texas Technological College; expenses are to be paid from the Office of the Dean of Business Administration Maintenance, Equipment and Travel Account.
1438. Grant permission to Dr. W. C. Holden, Director of the Museum and Professor of History, to go to Hollywood, California, from January 13, 1962 through January 22, 1962, to study rare newspaper files in the Huntington Library and to interview two half sisters of Teresa Urrea, once known as the Saint of Cabora, to obtain information and materials for use in a research project now underway at Texas Technological College; at no expense to the College.
1439. Grant permission to Mr. William R. Horton, Instructor in Mechanical Engineering, to go to Livermore, California, from February 4, 1962 through February 7, 1962, to confer with officials of the Lawrence Radiation Laboratory; at no expense to the College.
1440. Grant permission to Mr. Alonzo David Jacka, Assistant Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.
1441. Grant permission to Mr. Leonid A. Jirgensons, Assistant Professor of Foreign Languages, to go to Memphis, Tennessee, from April 19, 1962 through April 21, 1962, to attend the annual meeting of the Classical Association of the Middle West and South, to hear research papers related to courses being taught and to participate in discussions on new teaching materials and methods; to obtain information and ideas to be used in classroom instruction at Texas Technological College; expenses are to be paid from the Department of Foreign Languages Maintenance, Equipment and Travel Account.
1442. Grant permission to Mr. Don J. Johnson, Instructor in the Department of Horticulture and Park Management, to go to Brownsville, Texas, from January 22, 1962 through January 25, 1962, to accompany students in Horticulture 442 on a required field trip to inspect Ringgold Park in the City of Brownsville, Texas, a special class project; expenses are to be paid from the City of Brownsville Account No. 3015.

Out-of-State Leaves

1443. Grant Mr. Lee Henry Kennedy, Instructor in Mathematics, a Military Leave for the 1962 Spring Semester. Mr. Kennedy has been called to active duty with the 49th Armored Division of Texas.

1444. Grant permission to Dr. Clarence E. Kincaid, Associate Professor of Applied Arts, to go to Cincinnati, Ohio, from April 15, 1962 through April 20, 1962, to attend and participate in the Western Arts Association Meeting, to obtain information and materials for use in classroom instruction at Texas Technological College; expenses are to be paid from the Department of Applied Arts Maintenance, Equipment and Travel Account.

1445. Grant permission to Dr. Mina W. Lamb, Professor and Head, Department of Food and Nutrition, to go to Washington, D. C., from January 27, 1962 through January 31, 1962, to participate in a National Nutrition Education Conference in Washington, D. C., at the invitation of the United States Department of Agriculture and the Inter-agency Committee on Nutrition and School Lunch; to obtain information and ideas for use at Texas Technological College; expenses are to be paid from the Department of Food and Nutrition Maintenance, Equipment and Travel Account.

1446. Cancel Item No. 1018, Board Minutes of December 9, 1961, granting Dr. P. Merville Larson, Professor and Head, Department of Speech, permission to go to New York City, New York, from December 25, 1961 through January 2, 1962.

1447. Grant permission to Dr. P. Merville Larson, Professor and Head, Department of Speech, to go to Clinton-Sherman Air Force Base, Oklahoma, from January 20, 1962 through January 23, 1962; at no expense to the College.

1448. Grant permission to Mr. Truman O. Lewis, Instructor in Mathematics, to go to Cincinnati, Ohio, from January 20, 1962 through January 28, 1962, to attend the annual meetings of the American Mathematical Society and the Mathematical Association of America, to obtain information and ideas to be used in research projects and classroom instruction at Texas Technological College; expenses are to be paid from the Department of Mathematics Maintenance, Equipment and Travel Account.

1449. Grant permission to Dr. Billy C. Lockhart, Professor and Head, Department of Applied Arts, to go to Cincinnati, Ohio, from April 13, 1962 through April 20, 1962, to participate in the Western Arts Association meeting, to obtain new information and materials for use in the Department of Applied Arts at Texas Technological College; expenses are to be paid from the Department of Applied Arts Maintenance, Equipment and Travel Account.

1450. Grant permission to Mr. William Lowrimore III, Teaching Fellow in Economics, to go to San Jose, California, from December 18, 1961 through December 21, 1961, to meet with officials of the IBM Corporation and obtain information for thesis; at no expense to the College.

1451. Revise Item No. 1021, Board Minutes of December 9, 1961, granting permission to Mr. Raymond D. Mack, Assistant Professor of Government, to go to New York City, New York, to read "December 18, 1961 through December 23, 1961" instead of "December 19, 1961 through December 23, 1961."

1452. Grant permission to Dr. R. B. Mattox, Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1453. Grant permission to Mr. John J. MacNeill, Supervisor of Gordon Hall, Office of the Dean of Student Life, to go to Carbondale, Illinois, from January 4, 1962 through January 6, 1962; at no expense to the College.

1454. Grant permission to Mr. Henry H. McCully, Assistant Professor of Biology, to go to Denver, Colorado, from December 27, 1961 through December 31, 1962, to attend the National Meeting of the Society of Systematic Zoology and to present a paper based on original research entitled, "Mechanisms of Posterior Growth in the Scales of the Gerraniciae and Their Taxonomic Value"; expenses are to be paid from the Department of Biology Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1455. Grant permission to Mr. Pattric M. Munn, Superintendent of Construction and Maintenance, Department of Building Maintenance, to go to Albuquerque, New Mexico, from December 8, 1961 through December 11, 1961, to attend a Regional Superintendent/Foreman Meeting at the University of New Mexico, to obtain information and ideas for use in the maintenance program at Texas Technological College; expenses are to be paid from Building Maintenance and Utilities Administration Maintenance, Equipment and Travel Account.
1456. Grant permission to Dr. Levi Marshall Nagle, Associate Professor, Department of Education and Philosophy, to go to Las Vegas, Nevada, from March 4, 1962 through March 8, 1962, to attend the national conference of the Association for Supervision and Curriculum Development, to obtain the latest techniques, developments and practices in the field of curriculum development for incorporation into and improvement of classes in secondary curriculum at Texas Technological College; expenses are to be paid from the Department of Education and Philosophy Maintenance, Equipment and Travel Account.
1457. Cancel Item No. 1028, Board Minutes of December 9, 1961, granting permission to Dr. W. M. Pearce, Academic Vice President, to go to Cleveland, Ohio, from January 9, 1962 through January 11, 1962.
1458. Grant permission to Dr. W. M. Pearce, Academic Vice President, to go to Santa Fe, New Mexico, from March 2, 1962 through March 3, 1962, to accompany students of Texas Technological College on the annual retreat of the Board of Student Organizations; at no expense to the College.
1459. Grant permission to Dr. W. M. Pearce, Academic Vice President, to go to Chicago, Illinois, from March 2, 1962 through March 6, 1962, to attend the annual National Conference on Higher Education, to obtain new information and ideas for use at Texas Technological College; expenses are to be paid from the Office of the President Maintenance, Equipment and Travel Account.
1460. Grant permission to Mr. Robert B. Price, Assistant Auditor, to go to Dayton, Ohio, from March 25, 1962 through March 31, 1962, to attend a conference on electronic data processing systems being conducted by the National Cash Register Company, to obtain information and ideas to be used in future planning of record keeping methods for Texas Technological College; expenses are to be paid from the Office of the Auditor Maintenance Equipment and Travel Account.
1461. Grant permission to Dr. Paul V. Prior, Associate Professor of Biology, to go to Los Mochis, Sinaloa, Mexico, from January 19, 1962 through January 27, 1962, to arrange accomodations and plan field trip for participants of the 1962 Summer Institute for High School Biology Teachers; expenses are to be paid from Grant Funds, Account No. 3034, Maintenance, Equipment and Travel Account.
1462. Grant permission to Mr. John W. Queen, Instructor in the Department of Applied Arts, to go to Lawrence, Kansas, from March 21, 1962 through March 25, 1962, to participate in the Second National Bronze Casting Conference, to obtain new information and ideas for use in the Department of Applied Arts at Texas Technological College; expenses are to be paid from the Department of Applied Arts Maintenance, Equipment and Travel Account.
1463. Grant permission to Mr. C. C. Reeves, Instructor in Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.
1464. Grant permission to Dr. Charles L. Riggs, Professor of Mathematics, to go to Chicago, Illinois, from December 10, 1961 through December 13, 1961, to attend a meeting of Directors of the 1962 Summer Institutes sponsored by the National Science Foundation, to obtain information and ideas for use in a proposed Summer Institute for High School Teachers of Mathematics to be conducted at Texas Technological College; at no expense to the College.

Out-of-State Leaves

1465. Grant permission to Dr. Charles L. Riggs, Professor of Mathematics, to go to Cincinnati, Ohio, from January 20, 1962 through January 28, 1962, to attend the annual meetings of the American Mathematical Society and the Mathematical Association of America, to obtain information and ideas to be used in research projects and classroom instruction at Texas Technological College; to interview potential staff members for the Department of Mathematics; expenses are to be paid from the Department of Mathematics Maintenance, Equipment and Travel Account.

1466. Grant permission to Mr. Chester M. Rowell, Jr., Assistant Professor of Biology, to go to Los Mochis, Sinaloa, Mexico, from January 19, 1962 through January 27, 1962, to arrange accommodations and plan field trip for participants of the 1962 Summer Institute for High School Biology Teachers; expenses are to be paid from Grant Funds, Account No. 3034, Maintenance, Equipment and Travel Account.

1467. Grant permission to Dr. Henry J. Shine, Professor of Chemistry, to go to Philadelphia, Pennsylvania; Newark, Delaware; Princeton, New Jersey; Wayne, New Jersey; Tarrytown, New York; and Wilmington, Delaware; from March 4, 1962 through March 11, 1962, to lecture by invitation at the University of Pennsylvania, the University of Delaware, Princeton University, the United States Rubber Company Research Center, the Union Carbide Research Center, and the DuPont Corporation; at no expense to the College.

1468. Grant permission to Dr. Henry J. Shine, Professor of Chemistry, to go to Washington, D. C., from March 25, 1962 through March 30, 1962, to attend the spring national meeting of the American Chemical Society, to obtain valuable information and materials for use in research work now being conducted at Texas Technological College; expenses are to be paid from Grant Funds, Account No. 3169, Maintenance, Equipment and Travel Account.

1469. Grant permission to Mr. Deskin H. Shurbet, Professor of Geology, to go to Washington, D. C., from April 24, 1962 through April 29, 1962, to attend meetings of the American Geophysical Union, to obtain valuable information and materials for use in classroom instruction and research work at Texas Technological College; expenses are to be paid from the Department of Geology Maintenance, Equipment and Travel Account.

1470. Grant permission to Mr. J. P. Smith, Manager of the Texas Technological College Research Farm, to travel with the West Texas Chamber of Commerce Livestock Feeding and Grain Market Development Tour to Arizona and California from January 14, 1962 through January 20, 1962; to obtain feedlot plans and feeding methods which will be of great assistance in building the Killgore Beef Cattle Center at Pantex, Texas; expenses are to be paid from the Texas Technological College Research Farm Maintenance, Equipment and Travel Account.

1471. Grant permission to Dr. Harold A. Spuhler, Professor and Head, Department of Electrical Engineering, to go to Houston, Texas; Palo Alto, California; Berkeley, California; Los Angeles, California; and Tucson, Arizona, from January 17, 1962 through January 22, 1962, to interview prospective staff members at Rice University, Stanford University, University of California, U.C.L.A., and University of Arizona, and to further develop a staff recruitment program for the School of Engineering at Texas Technological College; expenses are to be paid from the Department of Electrical Engineering Maintenance, Equipment and Travel Account.

1472. Grant permission to Mr. Alfred B. Strehli, Professor in the Department of Foreign Languages, to go to Washington, D. C., from December 4, 1961 through December 6, 1961, to consult with officials of the Office of Education, Department of Health, Education, and Welfare, concerning a projected summer language institute to be conducted by Texas Technological College during the summer of 1962; expenses are to be paid from the Department of Foreign Languages Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1473. Grant permission to Mr. Alfred B. Strehli, Professor in the Department of Foreign Languages, to go to Tucuman, Argentina, from December 22, 1961 through January 2, 1962, to conduct the necessary exploratory work in connection with a projected National Defense Education Act Summer Language Institute to be conducted by Texas Technological College during the summer of 1962; this trip is to be made at the request of the Office of Education, which will support the proposed Institute; expenses are to be paid from Grant Funds, Account No. 3910A, "Summer Institute for Teachers of Spanish," Maintenance, Equipment and Travel Account.

1474. Grant permission to Mr. Edward Sturm, Assistant Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1475. Grant permission to Dr. R. W. Strandtmann, Professor of Biology, to go to Sao Paulo, Brazil, from August 1, 1962 through August 31, 1962, to study the type specimens of parasitic mites in the research collection of medically important arthropods housed in the research collection of the Butantan Institute, to obtain information and materials for use in research work now being conducted at Texas Technological College; expenses are to be paid from Grant Funds, Account No. 3166E, Maintenance, Equipment and Travel Account.

1476. Grant permission to Mrs. Ara Cox Sullenberger, Instructor in Mathematics, to go to Dillon, Colorado, from January 21, 1962 through January 24, 1962, to act as sponsor for the Texas Tech Ski Club on their annual trip; expenses are to be paid from the Texas Tech Ski Fund, Account No. 9720.

1477. Grant permission to Mr. John G. Taylor, Auditor, to go to Los Gatos, California, from February 4, 1962 through February 9, 1962, to attend the Data Processing for Executives-1401 Methods Conference at the IBM San Jose Education Center, San Jose, California, to study the ability of the computer to handle the present and future needs of the administrative and business functions of Texas Technological College; expenses are to be paid from the Office of the Auditor Maintenance, Equipment and Travel Account.

1478. Grant permission to Dr. Donald Ward Tinkle, Associate Professor of Biology, to go to New Orleans, Louisiana, from February 12, 1962 through February 25, 1962, to attend the annual national meeting of the Conference of Biological Editors to confer with leaders in the field concerning courses in Zoology 437 and 532; to obtain a valuable collection of fish and amphibians being donated to Texas Technological College by Dr. Royal Suttkus of Tulane University; to interview prospective candidates for the position of animal physiologist in the Department of Biology at Texas Technological College; expenses are to be paid from the Department of Biology Maintenance, Equipment and Travel Account.

1479. Grant permission to Dr. Gerald W. Thomas, Dean of the School of Agriculture, to go to Kingston, Oklahoma, from February 4, 1962 through February 6, 1962, to participate in the Southwest Park and Recreation Institute being conducted by the Department of Horticulture and Park Management at Texas Technological College; to present a paper based on original research entitled, "The Impact on Land"; to obtain information and ideas from leaders in the field of Park Management for use in the School of Agriculture at Texas Technological College; expenses are to be paid from the Office of the Dean of Agriculture Maintenance, Equipment and Travel Account.

1480. Grant permission to Dr. Henry C. Thomas, Professor and Head, Department of Physics, to go to Austin, Texas, from February 22, 1962 through February 24, 1962, to present a paper based on original research entitled, "The L/K Capture Ratio and the Conversion Coefficient of the 14.4 kev Gamma Ray in the decay of Co^{57} ," at the Austin meeting of the American Physical Society; expenses are to be paid from the Department of Physics Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1481. Grant permission to Dr. Henry C. Thomas, Professor and Head, Department of Physics, to go to Woodland, Washington, from January 8, 1962 through January 11, 1962, because of death in family, at no expense to the College.

1482. Grant permission to Mr. Jimmie Clayton Toney, Teaching Fellow in the Department of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1483. Grant permission to Mr. Kirk B. Turner, Associate Professor of Animal Husbandry, to go to Stillwater, Oklahoma, from March 1, 1962 through March 4, 1962, to attend the 5th Annual Oklahoma Feed Industry Conference and Workshop at Oklahoma State University, to confer with leaders in the field of poultry industry to obtain information and materials for use in classroom instruction at Texas Technological College; expenses are to be paid from the Department of Animal Husbandry Maintenance, Equipment and Travel Account.

1484. Grant permission to Mr. Henry J. Urban, Research Associate, Department of Animal Husbandry, to go to Chicago, Illinois, from November 20, 1961 through November 27, 1961, to attend the annual meeting of the American Society of Animal Production, and to present papers based on original research entitled, "Effects of Dryland versus Irrigated Milo for Growing and Finishing Hogs" and "A Comparison of Milo, Corn and Barley for Growing and Finishing Hogs"; to obtain information and materials for use in the Animal Husbandry research program at Texas Technological College; expenses are to be paid from the High Plains Feed Research Maintenance, Equipment and Travel Account.

1485. Grant permission to Dr. F. Alton Wade, Professor and Head, Department of Geology, to go to Carlsbad, New Mexico, from February 23, 1962 through February 25, 1962, to make arrangements for field trip for staff and graduate students and distinguished international visiting scientists; expenses are to be paid from the Department of Geology Maintenance, Equipment and Travel Account.

1486. Grant permission to Dr. F. Alton Wade, Professor and Head, Department of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1487. Grant permission to Dr. F. Alton Wade, Professor and Head, Department of Geology, to go to Washington, D. C., from April 24, 1962 through April 29, 1962, to attend meetings of the American Geophysical Union, to obtain valuable information and materials for use in classroom instruction and research work at Texas Technological College; expenses are to be paid from the Department of Geology Maintenance, Equipment and Travel Account.

1488. Grant permission to Dr. Holmes Andrew Webb, Associate Professor in the Department of Education and Philosophy, to go to St. Louis, Missouri, from February 24, 1962 through March 1, 1962, to attend the National Association of Secondary School Principals Convention and act as chairman of a panel discussion on "Some New Practices in Secondary School Administration"; to learn the latest techniques, developments and practices in the field of secondary school administration for incorporation into and improvement of classroom instruction at Texas Technological College; expenses are to be paid from the Department of Education and Philosophy Maintenance, Equipment and Travel Account.

1489. Grant permission to Mr. Fredric J. Wehmeyer, Director of Personnel, Office of Classified Personnel, to go to Los Angeles, California, from March 14, 1962 through March 17, 1962, to attend the Western Region College and University Personnel Association Conference, to keep abreast of the new developments in the personnel field and to further work out problems on the establishment of the classification program with Mr. Frank Ives, Consultant for Texas Technological College; expenses are to be paid from the Office of Classified Personnel Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1490. Grant permission to Mr. Charles Wendt, Assistant Professor of Agronomy, to go to Jacksonville, Florida, from February 4, 1962 through February 7, 1962, to attend a meeting of the Southern Agricultural Workers and to present a paper based on original research entitled, "A Nutrition Study of Cotton by Means of Tissue Analyses"; expenses are to be paid from the Department of Agronomy Maintenance, Equipment and Travel Account.

1491. Grant permission to Dr. Olive B. Wheeler, Associate Professor, Department of Education and Philosophy, to go to Las Vegas, Nevada, from March 4, 1962 through March 8, 1962, to attend the national conference of the Association for Supervision and Curriculum Development, to obtain the latest techniques, developments and practices in the field of curriculum development for incorporation into and improvement of classes in elementary curriculum at Texas Technological College; expenses are to be paid from the Department of Education and Philosophy Maintenance, Equipment and Travel Account.

1492. Revise Item No. 1057, Board Minutes of December 9, 1961, granting permission to Dr. J. J. Willingham, Professor and Head, Department of Dairy Industry, to go to Jacksonville, Florida, to read "from February 3, 1962 through February 7, 1962" instead of "from February 4, 1962 through February 7, 1962."

1493. Grant permission to Mr. Paul J. Woods, Associate Professor, Department of History and Anthropology, to go to Dillon, Colorado, from January 21, 1962 through January 24, 1962, to act as sponsor for the Texas Tech Ski Club on their annual trip; expenses are to be paid from the Texas Tech Ski Fund, Account No. 9720.

1494. Grant permission to Mr. Vestal L. Yeats, Instructor in Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962, to participate in a field trip for graduate students and distinguished geologists from foreign and domestic institutions, to obtain information and materials for use in the Department of Geology at Texas Technological College; at no expense to the College.

1495. Cancel Item No. 698, Board Minutes of November 3, 1961, granting permission to Dr. A. W. Young, Professor and Head, Department of Agronomy, to go to St. Louis, Missouri, from November 25, 1961 through December 2, 1961.

1496. Grant permission to Mr. Dale W. Zinn, Associate Professor of Animal Husbandry, to go to San Turce, Puerto Rico, from December 3, 1961 through December 8, 1961, to serve as a consultant with the Dorinquen Meat Products, Inc., in answer to a special request to work with them on a consultant basis in the training of personnel, the development of a quality control program, and retail market development in the use of the meat marbling processing technique developed at Texas Technological College; at no expense to the College.

Respectfully submitted,



R. C. Goodwin
President

Office of the Purchasing Agent

1497. Accept the resignation of Mrs. Betty W. Crook, Secretary-Clerk, Office of the Purchasing Agent, at an annual salary of \$2,940.00, effective at the close of the day, February 5, 1962. (Budgeted salary \$2,940.00 for 12 months, p. 9).

1498. Revise the contract of Mrs. Barbara Ann Watt, Office of the Purchasing Agent, from "Typist at an annual salary of \$2,760.00" to "Secretary-Clerk at an annual salary of \$2,940.00," effective February 6, 1962 through August 31, 1962, vice Mrs. Betty W. Crook, resigned. (Budgeted salary \$2,940.00 for 12 months, p. 9).

1499. Revise the contract of Mrs. Georgie Frances Hill, Office of the Purchasing Agent, from "General Clerk at an annual salary of \$2,580.00" to "Typist at an annual salary of \$2,760.00," effective February 6, 1962 through August 31, 1962, vice Mrs. Barbara Ann Watt, promoted. (Budgeted salary \$2,760.00 for 12 months, p. 9).

1500. Employ Mrs. Judith E. Hearne as General Clerk in the Office of the Purchasing Agent, at an annual salary of \$2,580.00, effective February 6, 1962 through August 31, 1962, vice Mrs. Georgie Frances Hill, promoted. (Budgeted salary \$2,580.00 for 12 months, p. 9).

Office of the Dean of Admissions and Registrar

1501. Employ Mrs. Colleen C. Peeler as a Clerk in the Office of the Dean of Admissions and Registrar, at an annual salary of \$2,800.00, effective February 1, 1962 through August 31, 1962, vice Mrs. Helen Davis Lair, resigned. (Original budgeted salary \$2,900.00 for 12 months, p. 12).

1502. Lapse the unencumbered balance in the amount of \$210.08 from the budgeted allocation for Clerk in the Office of the Dean of Admissions and Registrar. (Budgeted salary \$2,900.00 for 12 months, p. 12).

Office of the Placement Service

1503. Accept the resignation of Mrs. Judy Carlton Haynes, Credentials Assistant in the Office of the Placement Service, at an annual salary of \$2,580.00, effective at the close of the day, February 5, 1962. (Budgeted salary \$3,000.00 for 12 months, p. 15).

1504. Employ Mrs. Diane Benham Malone as Credentials Assistant in the Office of the Placement Service, at an annual salary of \$3,000.00, effective February 6, 1962 through August 31, 1962, vice Mrs. Judy Carlton Haynes, resigned. (Budgeted salary \$3,000.00 for 12 months, p. 15).

1505. Lapse the unencumbered balance in the amount of \$129.69 from the budgeted allocation for Credentials Assistant in the Office of the Placement Service. (Budgeted salary \$3,000.00 for 12 months, p. 15).

Office of Classified Personnel

1506. Employ Mr. Wendell Tucker as Personnel Assistant in the Office of Classified Personnel, at an annual salary of \$4,800.00, effective February 1, 1962 through August 31, 1962. (Budgeted salary for Assistant Director \$4,800.00 for 12 months, p. 16).

1507. Lapse the unencumbered balance in the amount of \$2,000.00 from the budgeted allocation for Assistant Director in the Office of Classified Personnel. (Budgeted salary \$4,800.00 for 12 months, p. 16).

Spring Commencement

1508. Approve an honorarium in the amount of \$185.00 to Dr. John W. Lancaster, First Presbyterian Church, Houston, Texas, for his services as Baccalaureate Speaker on Sunday, May 27, 1962. This is to be paid from Commencement, Account No. 1042.

Chemistry

1509. Approve an honorarium in the amount of \$175.00 to Dr. Fred Saalfeld, 623 Fifth Street, Ames, Iowa, for his services as Consultant in the Department of Chemistry on March 5, 1962. This will be paid from the Department of Chemistry Maintenance, Equipment and Travel Account.

Education and Philosophy

1510. Change the title of Dr. Thomas Brooks Livingston, Department of Education and Philosophy, from "Professor and Director of Teacher Certification" to "Professor" with no change in salary, effective February 1, 1962. (Budgeted salary \$9,000.00 for 9 months, p. 49).

1511. Change the title of Dr. Arthur Henry Hafner, Department of Education and Philosophy, from "Associate Professor" to "Associate Professor of Education and Director of Teacher Certification," with no change in salary, effective February 1, 1962. (Budgeted salary \$7,400.00 for 9 months, p. 49).

1512. Revise the contract of Mr. Donald Eugene Bumpass, Teaching Fellow in the Department of Education and Philosophy, from "a salary of \$1,100.00 for four and one-half months" to "a salary of \$1,650.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,100.00 for four and one-half months; the additional funds, in the amount of \$550.00, required for this contract will be paid from lapsed funds).

1513. Revise the contract of Mrs. Marylea Wood, Teaching Fellow in the Department of Education and Philosophy, from "a salary of \$1,100.00 for four and one-half months" to "a salary of \$1,650.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,100.00 for four and one-half months; the additional salary, in the amount of \$550.00, required for this contract will be paid from lapsed funds).

1514. Appoint Mr. William George Trenfield as a Teaching Fellow in the Department of Education and Philosophy, at a salary of \$1,000.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$2,200.00 for 9 months, p. 51).

1515. Lapse the unencumbered balance in the amount of \$200.00 from the budgeted allocation for a Teaching Fellow in the Department of Education and Philosophy. (Budgeted salary \$2,200.00 for 9 months; Mr. William George Trenfield; p. 51).

English

1516. Appoint Mrs. Leona Ford Dale as a Teaching Fellow in English, at a salary of \$400.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1517. Appoint Mr. Grover Virgil Lewis as a Teaching Fellow in English, at a salary of \$500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Geology

1518. Grant Dr. John Gordon Dennis, Assistant Professor of Geology, a leave of absence without pay, from his teaching duties, effective February 1, 1962 through August 31, 1962. Dr. Dennis will devote full time to research in Geology and to the research project: "Basic English Terminology for the International Tectonic Dictionary," National Science Foundation Grant NSF-G21958. Dr. Dennis will be on part (30%) salary from Grant Funds while on leave. He will be doing research in major libraries in America and Europe during this period. He will also be permitted to travel to Washington, D. C. and to attend other scientific meetings with travel expenses to be paid from Grant Funds during this leave.

1519. Lapse the unencumbered balance in the amount of \$3,500.00 from the budgeted allocation for Assistant Professor of Geology. (Budgeted salary \$7,000.00 for 9 months; Dr. John Gordon Dennis; p. 59).

1520. Appoint Mr. David W. Greenlee as a Teaching Fellow in Geology, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1521. Appoint Mr. Sidney Winnard Kothmann as a Teaching Fellow in Geology, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Government

1522. Revise the contract of Mr. James Warren Bowman, Part-time Instructor in Government, from "a salary of \$1,100.00 for four and one-half months" to "a salary of \$1,650.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,100.00 for $4\frac{1}{2}$ months; the additional funds, in the amount of \$550.00, required for this contract will be paid from lapsed funds).

1523. Accept the resignation of Mr. James Alvis Ellis, Part-time Instructor in Government, at a salary of \$1,250.00 for four and one-half months, effective at the close of the day, January 31, 1962. (Budgeted salary \$3,125.00 for 9 months; Fall \$1,875.00 and Spring \$1,250.00; p. 62).

1524. Lapse the unencumbered balance in the amount of \$1,250.00 from the budgeted allocation for Part-time Instructor in Government. (Budgeted salary \$3,125.00 for 9 months; Fall \$1,875.00 and Spring \$1,250.00; Mr. James Alvis Ellis; p. 62).

1525. Revise the contract of Mr. Jerry Madison Sowder, Part-time Instructor in Government, from "a salary of \$1,100.00 for four and one-half months" to "a salary of \$1,650.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,100.00 for $4\frac{1}{2}$ months; the additional funds, in the amount of \$550.00, required for this contract will be paid from lapsed funds).

1526. Revise the contract of Mr. Myron Hunt Garner, Part-time Instructor in Government, from "a salary of \$1,100.00 for four and one-half months" to "a salary of \$1,650.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$1,100.00 for four and one-half months; the additional funds, in the amount of \$550.00, required for this contract will be paid from lapsed funds).

1527. Revise the contract of Mr. Charles Proctor Elliott, Teaching Fellow in Government, from "a salary of \$800.00 for four and one-half months" to "a salary of \$1,200.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$800.00 for $4\frac{1}{2}$ months; the additional funds, in the amount of \$400.00, required for this contract will be paid from lapsed funds, p. 62).

1528. Revise the contract of Mr. Thomas Morris Spencer, Jr., Teaching Fellow in Government, from "a salary of \$800.00 for four and one-half months" to "a salary of \$1,200.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$800.00 for $4\frac{1}{2}$ months; the additional funds, in the amount of \$400.00, required for this contract will be paid from lapsed funds, p. 62).

1529. Appoint Mr. Larry Waid Campbell as a Teaching Fellow in Government, at a salary of \$900.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1530. Appropriate from the Unappropriated Balance (General Operating Expense), the sum of \$1,300.00 to the budgeted allocation for Student Assistants and/or Part-time Help in the Department of Government.

Health, Physical Education and Recreation for Women

1531. Appoint Mrs. Joyce Davis Arterburn as a Part-time Instructor in the Department of Health, Physical Education and Recreation for Women, at a salary of \$940.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Mathematics

1532. Appoint Mr. Arthur Garfield Dean as a Teaching Fellow in Mathematics, at a salary of \$400.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1533. Appoint Mr. Eugene Lee Holt as a Teaching Fellow in Mathematics, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1534. Employ Mrs. Patricia Ann Hoy Oxford, as a Secretary in the Department of Mathematics, at an annual salary of \$2,600.00, effective March 1, 1962 through August 31, 1962. (Budgeted salary \$3,100.00 for 12 months, p. 75).

Mathematics

1535. Lapse the unencumbered balance in the amount of \$566.68 from the budgeted allocation for Secretary in the Department of Mathematics. (Budgeted salary \$3,100.00 for 12 months, p. 75).

Music

1536. Appoint Mrs. Virginia Belle Casey as a Part-time Instructor in Music, at a salary of \$750.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1537. Appoint Mrs. Patricia Ann Killion as a Part-time Instructor in Music, at a salary of \$2,100.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Speech

1538. Revise the contract of Mr. Sterling Walker James, Jr., Part-time Instructor in Speech, from "a salary of \$550.00 for four and one-half months" to "a salary of \$1,100.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1539. Revise the contract of Mrs. Martha June Bearden, Instructor in Speech, from "a salary of \$2,250.00 for four and one-half months" to "a salary of \$2,500.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$2,250.00 for 4½ months; the additional funds, in the amount of \$250.00, required for this contract will be paid from lapsed funds, p. 83).

1540. Revise the contract of Mrs. Dorris Kirk Maxey, Instructor in Speech, from "a salary of \$2,250.00 for four and one-half months" to "a salary of \$2,500.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$2,250.00 for 4½ months; the additional funds, in the amount of \$250.00, required for this contract will be paid from lapsed funds, p. 83).

1541. Appoint Mrs. Sandra Elizabeth Dean as a Part-time Instructor in Speech, at a salary of \$500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds, p. 83.

1542. Appoint Mrs. Halcyon Campbell Hildreth as a Part-time Instructor in Speech, at a salary of \$500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds, p. 83.

Accounting

1543. Appoint Mr. Thomas Jefferson Edwards as a Part-time Instructor in Accounting, at a salary of \$1,283.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1544. Appoint Mr. Robert William Hamilton as an Instructor in Accounting, at a salary of \$2,500.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1545. Appoint Mr. A. B. Segars as a Part-time Instructor in Accounting, at a salary of \$575.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds, p. 87.

1546. Appoint Mr. Robert Dale Wicker as a Part-time Instructor in Accounting, at a salary of \$550.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1547. Appoint Mrs. Dorothy Sneed Gordon as a Teaching Fellow in Accounting, at a salary of \$450.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Business Education and Secretarial Administration

1548. Appoint Mrs. Helen Louise Crews as a Part-time Instructor in the Department of Business Education and Secretarial Administration, at a salary of \$1,833.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Economics

1549. Appoint Mrs. Susie Edna Gott as a Part-time Instructor in Economics, at a salary of \$1,150.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from the budgeted allocation for Part-time Instructor. (Budgeted salary \$2,750.00 for 9 months, p. 91).

1550. Lapse the unencumbered balance in the amount of \$450.00 from the budgeted allocation for a Part-time Instructor in Economics. (Budgeted salary \$2,750.00 for 9 months, p. 91).

1551. Accept the resignation of Mr. William Lowrimore III, Teaching Fellow in Economics, at a salary of \$1,800.00 for nine months, effective at the close of the day, January 31, 1962. (Budgeted salary \$1,800.00 for 9 months, p. 92).

1552. Lapse the unencumbered balance in the amount of \$900.00 from the budgeted allocation for Teaching Fellow in Economics. (Budgeted salary \$1,800.00 for 9 months, Mr. William Lowrimore III, p. 92).

1553. Accept the resignation of Mr. Kenneth Earl Wright, Teaching Fellow in Economics, at a salary of \$1,700.00 for nine months, effective at the close of the day, January 31, 1962. (Budgeted salary \$1,700.00 for 9 months, p. 92).

1554. Lapse the unencumbered balance in the amount of \$900.00 from the budgeted allocation for Teaching Fellow in Economics. (Budgeted salary \$1,700.00 for 9 months, Mr. Kenneth Earl Wright, p. 92).

1555. Appoint Mr. Ira Rexford Hulse as a Teaching Fellow in Economics, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1556. Appoint Mr. John Taylor Sims as a Teaching Fellow in Economics, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Finance

1557. Revise the contract of Mr. Marcus Glen Humphrey, Teaching Fellow in Finance, from "a salary of \$800.00" to "a salary of \$400.00," effective February 1, 1962 through June 15, 1962. (Budgeted salary \$800.00 for $4\frac{1}{2}$ months, p. 93).

1558. Lapse the unencumbered balance in the amount of \$400.00 from the budgeted allocation for a Teaching Fellow in Finance. (Budgeted salary \$1,600.00 for 9 months, Mr. Marcus Glen Humphrey, p. 93).

Management

1559. Appoint Mr. Robert Collier Cecil as a Part-time Instructor in Management, at a salary of \$1,100.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Electrical Engineering

1560. Accept the resignation of Mr. John Steven Latta, Jr., Teaching Fellow in Electrical Engineering, at a salary of \$1,800.00 for nine months, effective at the close of the day, January 31, 1962. (Budgeted salary \$1,800.00 for 9 months, p. 106).

1561. Lapse the unencumbered balance in the amount of \$900.00 from the budgeted allocation for Teaching Fellow in Electrical Engineering. (Budgeted salary \$1,800.00 for 9 months, Mr. John Steven Latta, Jr., p. 106).

Electrical Engineering

1562. Appoint Mr. Jesse E. Clark as a Teaching Fellow in Electrical Engineering, at a salary of \$800.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1563. Accept the resignation of Mr. Bobby Lynn Freeman as a Part-time Technician in the Department of Electrical Engineering, at a salary of \$1,600.00 for twelve months, effective at the close of the day, January 31, 1962. (Budgeted salary \$1,600.00 for 12 months, p. 106).

1564. Transfer the unencumbered balance in the amount of \$933.35 from the budgeted allocation for Part-time Technician to the budgeted allocation for Part-time Technical Help. (Budgeted salary \$1,600.00 for 12 months, p. 106).

Industrial Engineering and Engineering Drawing

1565. Approve an honorarium in the amount of \$75.00 to Mr. M. H. Schneider, Department of Industrial Engineering, Kansas State University, Manhattan, Kansas, for his services as a Consultant for the Department of Industrial Engineering and Engineering Drawing in the field of production and production design on January 25 and 26, 1962. This will be paid from the Department of Industrial Engineering and Engineering Drawing Maintenance, Equipment and Travel Account.

Applied Arts

1566. Appoint Mrs. Suzanne Matteson Pittman as a Part-time Instructor in Applied Arts, at a salary of \$1,100.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

1567. Lapse the unencumbered balance in the amount of \$55.00 from the budgeted allocation for Part-time Secretary in the Department of Applied Arts. (Budgeted salary \$750.00 for 12 months, p. 115).

Clothing and Textiles

1568. Lapse the unencumbered balance in the amount of \$12.52 from the budgeted allocation for Part-time Secretary in the Department of Clothing and Textiles. (Budgeted salary \$750.00 for 12 months, p. 116).

Food and Nutrition

1569. Appoint Miss Leta Josephine Glimp as a Teaching Fellow in Food and Nutrition, at a salary of \$400.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Home Economics Education

1570. Appoint Mrs. Katie Teague Pettyjohn as a Part-time Instructor in Home Economics Education, at a salary of \$750.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

Home and Family Life

1571. Appoint Mrs. Bula Jean Moudy as a Part-time Instructor in the Department of Home and Family Life, at a salary of \$275.00 for the period, February 1, 1962 through March 28, 1962. This salary will be paid from lapsed funds.

1572. Appoint Mrs. Louise Bain Shaw as a Part-time Instructor in the Department of Home and Family Life, at a salary of \$550.00 for four and one-half months, effective February 1, 1962 through June 15, 1962. This salary will be paid from lapsed funds.

* * * * *

1962 Summer School

Foreign Languages

1573. Lapse the budgeted allocation in the amount of \$1,383.00 for a Professor in the Department of Foreign Languages. (Budgeted salary \$1,383.00, Second Term Summer School, p. 28).

Foreign Languages

1574. Appoint Miss Anne-Marie Deval as an Assistant Professor of Foreign Languages, at a salary of \$1,083.00 for six weeks, effective July 16, 1962 through August 25, 1962. This salary will be paid from lapsed funds.

1575. Appoint Mr. Isaac Hernandez as a Part-time Instructor in the Department of Foreign Languages, at a salary of \$375.00 for approximately six weeks, effective June 1, 1962 through July 14, 1962. This salary will be paid from lapsed funds, p. 28.

* * * * *

1962-63 Budget

Chemistry

1576. Appoint Mr. Chung-ling Mao as a Teaching Fellow in Chemistry, at a salary of \$1,800.00 for nine months, effective September 16, 1962 through June 15, 1963. (1962-63 Budget).

Foreign Languages

1577. Delete Item No. 1238, Board Minutes of February 17, 1962, appointing Dr. Eve Frejaville as an Associate Professor in the Department of Foreign Languages for the 1962-63 Academic Year. Dr. Frejaville returned the contract tendered her unsigned.

1578. Delete Item No. 1239, Board Minutes of February 17, 1962, appointing Dr. Alexander Jovicevich as an Associate Professor in the Department of Foreign Languages for the 1962-63 Academic Year. Dr. Jovicevich returned the contract tendered him unsigned.

1579. Appoint Mr. Charles Merritt Carlton as an Assistant Professor in the Department of Foreign Languages, at a salary of \$6,800.00 for nine months, effective September 16, 1962 through June 15, 1963. This contract will be revised to a salary of \$7,200.00 for nine months as soon as all the requirements for the Ph.D. degree have been satisfied. (1962-63 Budget).

1580. Appoint Mr. Ernesto Alfredo Guzman as a Teaching Fellow in the Department of Foreign Languages, at a salary of \$1,600.00 for four and one-half months, effective September 16, 1962 through June 15, 1963. (1962-63 Budget).

* * * * *

1961-62 Budget

Animal Husbandry Herds and Flocks

1581. Revise the contract of Mr. Robert C. Albin, Dairy Cattle Herdsman and Artificial Inseminator, Animal Husbandry Herds and Flocks, from "full-time at a salary of \$441.67 per month" to "three-fourths time at a salary of \$331.25 per month," effective February 1, 1962 through May 31, 1962. Mr. Albin will be full-time from June 1, 1962 through August 31, 1962. (Budgeted salary \$5,300.00 for 12 months, p. 141).

1582. Approve a transfer in the amount of \$441.67 from the budgeted allocation for Dairy Cattle Herdsman and Artificial Inseminator, Animal Husbandry Herds and Flocks, to the budgeted allocation for Miscellaneous Labor. (Budgeted salary \$5,300.00 for 12 months, p. 141).

1583. Approve the sale of seventeen (17) hogs to the Lubbock Packing Company, Lubbock, Texas, on January 23, 1962, for a net price of \$616.27:

1	"ruf" butcher hog	-----	235 lbs. @ \$16.50 cwt.	-----	\$ 38.77
16	butcher hogs	-----	3300 lbs. @ \$17.50 cwt.	-----	577.50
	Net Sale Price	-----			<u>\$616.27</u>

The net proceeds from this sale, in the amount of \$616.27, have been deposited in the Animal Husbandry Herds and Flocks Account No. 63.

Animal Husbandry Herds and Flocks

1584. Approve the sale of forty-two (42) hogs to the Lubbock Packing Company, Lubbock, Texas, on December 29, 1961, for a net price of \$1,424.58:

33 hogs -----	6755 lbs. @ \$16.75 cwt. -----	\$ 1,131.46
9 hogs -----	1750 lbs. @ \$16.75 cwt. -----	<u>293.12</u>

Net Sale Price ----- \$ 1,424.58

The net proceeds from this sale, in the amount of \$1,424.58, have been deposited in the Animal Husbandry Herds and Flocks Account No. 63.

1585. Approve the sale of three (3) Hereford bulls to the National Anxiety 4th Hereford Breeders, Sweetwater, Texas, on December 29, 1961, for a net price of \$959.00:

1 Registered Bull, TT 913, No. 11080840, TT Imperial Domino --	\$ 500.00
1 Registered Bull, TT 045, No. 11572826, TTC Master Esquire --	350.00
1 Registered Bull, TT 015, No. 11572825, TTC Master Mischief -	<u>325.00</u>

Gross Sale Price ----- \$1,175.00

Less Expenses:

Entrance Fees -----	\$ 75.00	
Selling Cost -----	<u>141.00</u>	<u>216.00</u>

Net Sale Price ----- \$ 959.00

The net proceeds from this sale, in the amount of \$959.00, have been deposited in the Animal Husbandry Herds and Flocks Account No. 63.

Library

1586. Grant Mrs. Helen Murphy, Catalog Clerk in the College Library, a leave of absence without pay, for the period, February 1, 1962 through April 30, 1962. (Budgeted salary \$3,240.00 for 12 months, p. 150).

Grounds Maintenance (Administration)

1587. Accept the resignation of Mrs. Sunny Carol McGinnis, Secretary, Grounds Maintenance (Administration), at an annual salary of \$2,700.00, effective at the close of the day, January 31, 1962. (Budgeted salary \$2,700.00 for 12 months, p. 162).

1588. Employ Mrs. Jo Assiter as Secretary in Grounds Maintenance (Administration), at an annual salary of \$2,700.00, effective February 1, 1962 through August 31, 1962, vice Mrs. Sunny Carol McGinnis, resigned. (Budgeted salary \$2,700.00 for 12 months, p. 162).

Building Maintenance (Operation and Maintenance)

1589. Accept the resignation of Mr. Lewis James Lorimer, Painter Foreman in the Department of Building Maintenance (Operation and Maintenance), at an annual salary of \$4,308.00, effective at the close of the day, January 31, 1962. (Budgeted salary \$4,308.00 for 12 months, p. 172).

Inventory -- Maintenance of Grounds

1590. Approve the deletion of one (1) Arifier Model FG 51, Texas Technological College Inventory No. 45131, Carrying Value \$675.00, Date of Acquisition, February, 1952, from the inventory of the Maintenance of Grounds Department, as the machine is completely worn out from use over the years and has no value other than scrap iron.

Organized Research (Account No. 1681)

1591. Employ Mr. John David Walker as a Research Assistant on the Organized Research Project: "Measurement of L. Subshell Fluorescent Yields," at a salary of \$600.00 for four months, effective February 1, 1962 through May 31, 1962. (Budgeted salary \$2,400.00 for 12 months; Dr. Henry Coffman Thomas, Principal Investigator; Account No. 1681).

Data Processing Center

1592. Employ Mr. William Lowrimore III as a Part-time Technician in the Data Processing Center, at a salary of \$1,200.00 for the period, February 1, 1962 through July 15, 1962. (Budgeted salary \$2,400.00 for 12 months, p. 242).

Organized Research (Account No. 3106)

1593. Appoint Dr. John Gordon Dennis as Principal Investigator on the Organized Research Project: "Basic English Terminology for the International Tectonic Dictionary," at a salary of \$1,750.00 for the period, February 1, 1962 through August 31, 1962. (Budgeted salary \$1,750.00 for seven months, Account No. 3106).

Organized Research (Account No. 3107)

1594. Employ Mr. Guy Robert Horton as a Research Assistant on the Organized Research Project: "The Chemistry of the Solvated Metal Chelates and Uranium," at a salary of \$200.00 per month, effective February 1, 1962 through May 31, 1962. (Budgeted salary \$2,400.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3107).

Organized Research (Account No. 3108A)

1595. Revise the budget for the Organized Research Project: "Cyanoethylation and Reverse Cyanoethylation on Organic Syntheses," for the period May 1, 1961 through April 30, 1962, by making the following changes:

Increase the estimated balance on May 1, 1961 by -----	\$ 1,477.18
Increase Maintenance, Equipment and Travel by -----	2,385.31
Decrease OASI by -----	41.51
Increase Overhead by -----	233.38

This research project is being financed by a Robert A. Welch Foundation Grant No. D-070. (Re: Attachment No. 12, Board Minutes of February 17, 1962; Account No. 3108A; Dr. Joe Alfred Adamcik, Principal Investigator).

Organized Research (Account No. 3146A)

1596. Employ Mr. James P. Smith as a Research Assistant on the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," at an annual salary of \$2,400.00, effective February 1, 1962 through January 31, 1963. (Budgeted salary \$3,000.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3146A).

Organized Research (Account No. 3147)

1597. Approve an honorarium in the amount of \$400.00 to Mr. Russell Baxter, 109 West 12th Street, Little Rock, Arkansas, for his services as a Psychological Consultant for the Raven Progressive Matrices Research Project from November 15, 1961 through January 24, 1962. This is to be paid from the budgeted allocation for Maintenance, Equipment and Travel, Account No. 3147.

Organized Research (Account No. 3179)

1598. Accept a grant in the amount of \$1,000.00 from The Rockefeller Foundation, 111 West 50th Street, New York 20, New York, for the support of the Organized Research Project: "Thin Section Preparation and Interpretation," and approve a budget in the amount of \$1,000.00 for the project, effective February 1, 1962 through January 31, 1963. (Account No. 3159; Principal Investigator, Dr. Bonnie L. Allen, Associate Professor of Agronomy).

Reading Improvement Program (Account No. 3911)

1599. Employ Mrs. Leonor Forrestal as a Part-time Instructor in the Reading Improvement Program, at a salary of \$800.00 for the period, January 24, 1962 through March 17, 1962. (Budgeted salary \$1,000.00 for the period, January 24, 1962 through March 17, 1962; Account No. 3911).

Intramural Program for Men

1600. Appropriate from the Unappropriated Prior Year Balances of the Intramural Program for Men, to the Current Operations Account of the Intramural Program for Men, the amount of \$695.00, to be paid to Floorkeeping, Inc., of Lubbock, the low bidder, for resanding, refinishing and lining of courts on the Intramural Gymnasium floor.

Texas Tech College Bookstore

1601. Grant permission to the Texas Tech College Bookstore to purchase classroom materials from the following staff members:

Dr. W. W. Wendlandt, purchase of

200 copies, <u>Chemistry Lab Manual, Part 2</u> , @ \$2.50 each, less 20% -----	\$ 400.00
125 copies, <u>General Chemistry Experiments I</u> , @ \$2.50 each, less 20% -----	250.00
250 copies, <u>General Chemistry Experiments II</u> , @ \$2.50 each, less 20% -----	500.00

Mr. Charles Wendt, purchase of

74 copies, <u>Fundamentals of Agronomy</u> , @ \$1.28 each -----	94.72
TOTAL -----	<u>\$1,244.72</u>

Student Health Service

1602. Employ Mrs. Myra Lee Rice, R. N., as a Registered Nurse in the Student Health Service, at a salary of \$315.00 per month, plus five meals per week, effective January 29, 1962 through August 31, 1962, vice Mrs. Mary Wright, resigned. (Budgeted salary \$3,804.00 plus five meals per week for 12 months, p. 261).

Dormitory Systems (Dining Room and Kitchen)

1603. Accept the resignation of Mrs. Danna L. Hinders, Assistant to the Dietitian, Bledsoe and Gordon Halls, at an annual salary of \$3,000.00, plus apartment for self and husband and meals for self only, effective at the close of the day, January 29, 1962. (Budgeted salary \$3,000.00 plus apartment for self and husband and meals for self only, p. 279).

1604. Employ Mr. John N. Reeves as Assistant to the Dietitian, Bledsoe and Gordon Halls, at an annual salary of \$3,000.00 plus meals, for the period, January 22, 1962 through August 31, 1962, vice Mrs. Danna L. Hinders, resigned. (Budgeted salary \$3,000.00 plus apartment for self and husband and meals for self only, p. 279).

Student Union

1605. Employ Mr. David E. Badgley as Snack Bar Supervisor in the Student Union, at an annual salary of \$3,120.00 plus five meals per week, effective February 1, 1962 through August 31, 1962, vice Mr. Ray F. Crawford, resigned. (Budgeted salary \$3,200.00 for 12 months, plus 5 meals per week, p. 265).

Ex-Students Association (Alumni Affairs)

1606. Employ Mr. Anthony W. Gustwick as a Clerk in the Ex-Students Office, at an annual salary of \$2,760.00, effective February 1, 1962 through August 31, 1962, vice Mrs. Sandra Gail Turner, promoted. (Budgeted salary \$2,760.00 for 12 months, p. 310).

Gift (Music Department)

1607. Accept a portrait of the late Mr. Waghorne, Professor of Music, who organized the Music Department at Texas Technological College and who served as its Head from 1925 to 1934, for the Department of Music. The picture is to be given a place of honor in the Music Building. (Re: Lubbock Avalanche-Journal, Wednesday, January 24, 1962).

Gift (Account No. 3058)

1608. Accept a cash gift in the amount of \$500.00 through the Texas Technological College Foundation, from Mr. Harris F. Underwood, 4620 Seventeenth Street, Lubbock, Texas, for the Institute of Science and Engineering at Texas Technological College.

1609. Accept a cash gift in the amount of \$500.00 through the Texas Technological College Foundation, from West Texas Compress and Warehouse Company, Post Office Drawer 1680, Lubbock, Texas, for the Institute of Science and Engineering at Texas Technological College.

Gift (Account No. 3312)

1610. Accept a cash gift in the amount of \$800.00 through the Texas Technological College Foundation, from Anderson, Clayton and Company, Post Office Box 2538, Houston 1, Texas, for two grants of \$400.00 each for scholarships as follows: Anderson, Clayton and Company Extension Service FFA Cotton Program Scholarship for the 1962 Spring Semester, awarded to Mr. George Dalton Brooks; and The Texas Future Farmers of America Scholarship for the 1962 Spring Semester, awarded to Mr. Don Alford.

Gift (Account No. 3315)

1611. Accept a cash gift in the amount of \$3,400.00 through the Texas Technological College Foundation, from the R. C. Baker Foundation, Post Office Box 2274, Terminal Annex, Los Angeles 54, California, for The R. C. Baker Foundation Scholarships at Texas Technological College for the 1962-63 Academic Year, as follows: two \$850.00 scholarships in Petroleum Engineering (consisting of \$750.00 for the scholarship award and \$100.00 as an unrestricted grant to the College); and two \$850.00 scholarships in Mechanical Engineering (consisting of \$750.00 for the scholarship award and \$100.00 as an unrestricted grant to the College).

Gift (Account No. 3412)

1612. Accept a cash gift in the amount of \$50.00 through the Texas Technological College Foundation, from the Alpha Sigma Chapter of Delta Kappa Gamma, c/o Miss Pansye Harris, 3608 - 39th Street, Lubbock, Texas, for the Mary W. Doak Scholarship at Texas Technological College for the 1962 Spring Semester, awarded to Miss Nickie Joyce Woelfel.

Gift (Account No. 3618)

1613. Accept a cash gift in the amount of \$5.00 through the Texas Technological College Foundation, from Mr. and Mrs. W. H. Bannister, 2630 24th Street, Lubbock, Texas, for the Chris Mansell Memorial Fund at Texas Technological College.

Gift (Account No. 3650)

1614. Accept a cash gift in the amount of \$300.00 through the Texas Technological College Foundation, from the Panhandle Livestock Association, Post Office Box 1553, Amarillo, Texas, for the Panhandle Livestock Association Scholarship at Texas Technological College.

Gift (Account No. 3815)

1615. Accept a cash gift in the amount of \$10.40 through the Texas Technological College Foundation, from the State Line Tribune, Post Office Box 255, Farwell, Texas, for the West Texas Publishers Scholarship Fund, Department of Journalism, at Texas Technological College.

1616. Accept a cash gift in the amount of \$13.64 through the Texas Technological College Foundation, from the Gaines County News, Seagraves, Texas, for the West Texas Publishers Scholarship Fund, Department of Journalism, at Texas Technological College.

Gift (Account No. 6011)

1617. Accept a cash gift in the amount of \$50.00 through the Texas Technological College Foundation, from Mr. Tom W. Green, Box 159, Vega, Texas, for the Ray C. Mowery Scholarship Fund at Texas Technological College.

1618. Accept a cash gift in the amount of \$25.00 through the Texas Technological College Foundation, from Mr. Pegues Houston, Morton, Texas, for the Ray C. Mowery Scholarship Fund at Texas Technological College.

Gift (Account No. 9000)

1619. Accept a cash gift in the amount of \$7.00 through the Texas Technological College Foundation, from The 1916 Needle Club, Mrs. Joe Wilson, Treasurer, 3123 Aberdeen Street, Lubbock, Texas, for the Unrestricted Fund at Texas Technological College, in memory of Mr. R. Turner Kimmel.

1620. Accept a cash gift in the amount of \$7.00 through the Texas Technological College Foundation, from Phi Mu Alumnae Chapter, c/o Mrs. Erika C. Dockray, 2812 - 24th Street, Lubbock, Texas, for the Unrestricted Fund at Texas Technological College, in memory of Mr. R. Turner Kimmel.

Gift (Account No. 9000)

1621. Accept a cash gift in the amount of \$125.00 through the Texas Technological College Foundation, from The Sears-Roebuck Foundation, 3333 West Arthington Street, Chicago 7, Illinois, to help defray expenses for the 1962 Recognition Dinner for holders of Sears-Roebuck Foundation Scholarships in Agriculture and Sears-Roebuck Foundation Scholarships in Home Economics.

Gift (Account No. 9014)

1622. Accept a cash gift in the amount of \$200.00 through the Texas Technological College Foundation, from Mrs. Roscoe Wilson, 4710 - 21st Street, Lubbock, Texas, for the Texas Tech Foundation Special Fund, Account No. 9014.

Gift (Account No. 9041)

1623. Accept a cash gift in the amount of \$1,000.00 through the Texas Technological College Foundation, from The Paul and Alta Cates Religious Foundation, Post Office Box 421, Lubbock, Texas, for the purchase of religious books for the Texas Technological College Library.

1624. Accept a cash gift in the amount of \$5.00 through the Texas Technological College Foundation, from Mr. and Mrs. J. D. Lyons, 4170 Ironton, Beaumont, Texas, for the Library Enrichment Fund at Texas Technological College, in memory of Mr. Fred B. Parsons, Jr.

Gift (Account No. 9446)

1625. Accept a cash gift in the amount of \$150.00 through the Texas Technological College Foundation, from the Ysleta Volunteer Fire Department, Post Office Box 793, Ysleta Station, El Paso, Texas, for the Ysleta Volunteer Fire Department Scholarship at Texas Technological College for the 1962 Spring Semester, awarded to Miss Yvonne Wilson.

1626. Accept a cash gift in the amount of \$125.00 through the Texas Technological College Foundation, from the American Institute of Steel Construction, Inc., 101 Park Avenue, New York 17, New York, for the American Institute of Steel Construction Scholarship at Texas Technological College for the 1962 Spring Semester, awarded to Mr. Jon L. Davis.

1627. Accept a cash gift in the amount of \$225.00 through the Texas Technological College Foundation, from the West Texas Press Association, c/o Mrs. R. F. Mahood, Secretary-Treasurer, Kemp Hotel, Wichita Falls, Texas, for three West Texas Press Association Scholarships (\$75.00 each) at Texas Technological College, awarded to Mr. Lew Bullion, Mr. Eugene Young and Miss Carolene English.

1628. Accept a cash gift in the amount of \$50.00 through the Texas Technological College Foundation, from the Muleshoe Classroom Teachers Association, c/o Mrs. Mary B. Obenhaus, Scholarship Committee Chair, 303 West Seventh Street, Muleshoe, Texas, for the Muleshoe Classroom Teachers Association Scholarship at Texas Technological College, awarded to Miss Magann Lamb.

1629. Accept a cash gift in the amount of \$100.00 through the Texas Technological College Foundation, from the La Esperanza Club, c/o Mrs. G. W. Jones, Treasurer, 2401 South Fourth Street, Tucumcari, New Mexico, for the La Esperanza Club Scholarship at Texas Technological College for the 1962 Spring Semester, awarded to Miss Wanda Joyce Strawn.

1630. Accept a cash gift in the amount of \$250.00 through the Texas Technological College Foundation, from the Texas Interscholastic League Foundation, Box 8028, University Station, Austin 12, Texas, for the second half of the Texas Laundry and Dry Cleaning Association Interscholastic League Foundation Scholarship at Texas Technological College, awarded to Miss Joyce I. Lansdown.

Gift (Account No. 3049)

1631. Accept a cash gift in the amount of \$400.00 through the Texas Technological College Foundation, from the Socony Mobil Oil Company, 150 East 42nd Street, New York 17, New York, for the Petroleum Engineering Cost-of-Education Grant at Texas Technological College.

Out-of-State Leaves

I recommend your approval of the following Out-of-State Leaves without loss of pay by the staff members listed below:

1632. Cancel Item No. 1426 Board Minutes of February 17, 1962, granting permission to Dr. John Gordon Dennis, Assistant Professor of Geology, to go to San Francisco, California, from March 23, 1962 through April 2, 1962.

1633. Cancel Item No. 1427, Board Minutes of February 17, 1962, granting permission to Dr. John Gordon Dennis, Assistant Professor of Geology, to go to Carlsbad, New Mexico, from April 13, 1962 through April 16, 1962.

1634. Grant permission to Mr. Charles Elliott, Research Assistant on the Texas State Parks Board Research Project, to go to Kingston, Oklahoma, from February 4, 1962 through February 9, 1962, to participate in the program of the Annual Southwest Park and Training Institute conducted by the Horticulture and Park Management Department at Texas Technological College; to present preliminary development procedures in park systems; to secure information pertinent to the Texas State Parks Board Research Project; expenses are to be paid from Grant Funds, Account No. 3006, Maintenance, Equipment and Travel Account.

1635. Grant permission to Dr. Clarence G. Gardner, Assistant Professor of Physics, to go to Washington, D. C., from April 21, 1962 through April 28, 1962, to attend the 1962 annual meeting of the American Physical Society, to obtain information and materials for use in classroom instruction at Texas Technological College; to recruit personnel for the Physics Department at Texas Technological College; expenses are to be paid from the Department of Physics Maintenance, Equipment and Travel Account.

1636. Grant permission to Mrs. Jean A. Jenkins, Director of the Placement Service, to go to Pueblo, Colorado, from January 26, 1962 through January 28, 1962, because of illness in her family; at no expense to the College.

1637. Grant permission to Mr. Gene Kenney, Assistant Professor of Music, to go to Kermit, Texas, from February 27, 1962 through February 28, 1962; to go to Galveston, Texas, from March 2, 1962 through March 3, 1962; to go to Hereford, Texas on March 6, 1962; and to Amarillo, Texas, from March 7, 1962 through March 8, 1962; to serve as a Consultant and to clinic the High School Choirs; at no expense to the College.

1638. Grant permission to Dr. P. Merville Larson, Professor and Head, Department of Speech, to go to New York City, New York, from February 2, 1962 through February 4, 1962, to act as guest judge at the first of a series of nationally televised debates sponsored by the American Forensic Association and the National Broadcasting Corporation; at no expense to the College.

1639. Grant permission to Dr. Samuel H. Lee, Professor of Chemistry, to go to Portland, Oregon, from February 10, 1962 through February 14, 1962, to attend the Review Panel on the Undergraduate Instructional Scientific Equipment Program sponsored by the National Science Foundation, to obtain information and materials for use in classroom instruction and research work at Texas Technological College; at no expense to the College.

1640. Grant permission to Dr. Freedis L. Mize, Professor and Head, Department of Management, to go to Mena, Arkansas, from January 29, 1962 through February 1, 1962, to attend a funeral; at no expense to the College.

1641. Revise Item No. 1047, Board Minutes of December 9, 1961, granting Dr. Willa Vaughn Tinsley, Dean of the School of Home Economics, permission to go to Washington, D. C., to read "January 27, 1962 through January 31, 1962" instead of "January 28, 1962 through January 31, 1962."

1642. Grant permission to Mr. Jerry D. Thomas, Agronomist at the Texas Technological College Research Farm, to go to St. Louis, Missouri, from December 11, 1961 through December 15, 1961, to attend the National Weed Conference and to present a research paper entitled: "The Effect of Herbicide Application on Moisture Utilization"; expenses are to be paid from Texas Technological College Research Farm at Pantex, Texas Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1643. Grant permission to Dr. Holmes A. Webb, Associate Professor in the Department of Education and Philosophy, to go to Austin, Texas, from February 7, 1962 through February 9, 1962, to attend the state convention of Texas Association of Supervision and Curriculum Development, to present a paper based on original research entitled: "The Role of the Principal in Curriculum Development"; to obtain valuable information and materials for use in classroom instruction at Texas Technological College; expenses are to be paid from the Department of Education and Philosophy Maintenance, Equipment and Travel Account.

Respectfully submitted,

A handwritten signature in cursive script, reading "R. C. Goodwin".

R. C. Goodwin
President

RCG:ce

Public Information

1644. Accept the resignation of Mr. Thomas L. Keith, Informational Representative, Department of Public Information, at an annual salary of \$5,280.00, effective at the close of the day, February 28, 1962. (Budgeted salary \$5,280.00 for 12 months, p. 20).

Agricultural Engineering

1645. Appropriate from the Unappropriated Balance (Departmental Operating Expenses), the sum of \$700.00 to the Student Assistants and/or Part-time Help Account.

Agronomy

1646. Approve an honorarium in the amount of \$150.00 to Dr. Thadis W. Box, Assistant Professor of Range Management, Department of Range Management, Utah State University, Logan, Utah, for his services as Consultant and Guest Lecturer for the Department of Agronomy on January 29 and 30, 1962. This is to be charged to the Department of Agronomy Maintenance, Equipment and Travel Account.

Education and Philosophy

1647. Revise the contract of Mr. Donald Eugene Bumpass, Teaching Fellow, Department of Education and Philosophy, from "a salary of \$1,650.00 for four and one-half months" to "a salary of \$2,200.00 for four and one-half months," effective February 1, 1962 through June 15, 1962. (Budgeted salary as adjusted \$1,650.00 for $4\frac{1}{2}$ months; the additional funds, in the amount of \$550.00, required for this contract will be paid from lapsed funds).

Health, Physical Education and Recreation for Men

1648. Revise the contract of Mr. John Leonard Ehrler, Jr., Department of Health, Physical Education and Recreation for Men, from "Teaching Fellow" to "Part-time Instructor," with no change in salary, effective February 1, 1962 through June 15, 1962. (Budgeted salary \$800.00 for $4\frac{1}{2}$ months, p. 65).

Health, Physical Education and Recreation for Women

1649. Terminate the contract of Mr. Jack Levens, Caretaker in the Department of Health, Physical Education and Recreation for Women, at an annual salary of \$2,580.00, effective at the close of the day, January 31, 1962. (Budgeted salary \$2,580.00 for 12 months, p. 66).

1650. Employ Mr. James Henson as Caretaker in the Department of Health, Physical Education and Recreation for Women, at an annual salary of \$2,580.00, effective February 1, 1962 through August 31, 1962, vice Mr. Jack Levens, transferred to the Custodial Department. (Budgeted salary \$2,580.00 for 12 months, p. 66).

Psychology

1651. Appropriate from the Unappropriated Balance (General Operating Expenses), the sum of \$550.00 to the Student Assistants and/or Part-time Help Account in the Department of Psychology.

Clothing and Textiles

1652. Grant Dr. Martha Gene Shelden, Professor and Head, Department of Clothing and Textiles, a leave of absence without pay from May 10, 1962 (8 a.m.) through January 31, 1963. Dr. Shelden has requested a leave in order to fulfill a Fulbright Appointment for Lectureship at the University of Otago, Dunedin, New Zealand. (May 10, 1962 through January 31, 1963).

1653. Lapse the unencumbered balance in the amount of \$1,257.24 from the budgeted allocation for Professor and Head, Department of Clothing and Textiles. (Budgeted salary \$9,400.00 for 9 months, p. 116).

1654. Lapse the unencumbered balance in the amount of \$42.48 from the budgeted allocation for Part-time Secretary in the Department of Clothing and Textiles. (Budgeted salary \$750.00 for 12 months, p. 116).

Office of the Dean of Home Economics

1655. Accept the resignation of Mrs. Faye Jamison Snyder, Secretary in the Office of the Dean of Home Economics, at an annual salary of \$3,360.00, effective at the close of the day, March 31, 1962. (Budgeted salary \$3,360.00 for 12 months, p. 122).

Fellowships and Scholarships (Account No. 1851)

1656. Grant Mr. John Elvin Ambrosius a Master's Scholarship in the Department of Agricultural Economics, in the amount of \$400.00 for the period, September 16, 1962 through June 15, 1963.

1657. Grant Mr. Wendel Loy Kent a Master's Scholarship in the Department of Animal Husbandry, in the amount of \$400.00 for the period, September 16, 1962 through June 15, 1963.

1658. Grant Miss Glenda Walton a Master's Scholarship in the Department of Food and Nutrition, in the amount of \$400.00 for the period, September 16, 1962 through June 15, 1963.

1659. Grant Mr. Joseph Bryan Eastham a Master's Scholarship in the Department of Dairy Industry, in the amount of \$400.00 for the period, September 16, 1962 through June 15, 1963.

Consulting Work

1660. Approve incorporating in the Minutes for record purposes, the approval of Dr. S. M. Kennedy, Dean of the School of Arts and Sciences, for Dr. John P. Brand, Professor of Geology, to perform consulting services for the firm of Blanchard, Carroll, and McLaughlin of Snyder, Texas, on February 7 and 8, 1962. This is in keeping with Article VIII B of the Tenure Policy approved by the Board of Directors on November 8, 1957.

College Library

1661. Accept the resignation of Mrs. Lynn Tatum Mims, Documents Clerk in the College Library, at an annual salary of \$2,700.00, effective at the close of the day, February 17, 1962. (Budgeted salary \$2,700.00 for 12 months, p. 151).

Agronomy Farm

1662. Approve the sale of one hundred thirty-four (134) bales of cotton for the net amount of \$20,531.89. This was marketed through the Plains Cotton Cooperatives and the Broadview Gin Company of Lubbock, Texas.

Home Economics Nursery School

1663. Revise the contract of Mrs. Dora Pettit Breedlove, Housekeeper, Home Economics Nursery School, from "an annual salary of \$2,450.00" to "a salary of \$1,365.30," for the period, February 9, 1962 through August 31, 1962. (Budgeted salary \$2,450.00 for 12 months; the additional funds, in the amount of \$150.00, required for this contract will be paid from lapsed funds, p. 145).

1664. Lapse the sum of \$150.00 from the budgeted allocation for Student Assistants in the Home Economics Nursery School. This will be used to revise the contract of Mrs. Dora Pettit Breedlove, Housekeeper.

Building Maintenance (Operation and Maintenance)

1665. Employ Mr. Wilmer Lee Stephens as Painter Foreman in Building Maintenance (Operation and Maintenance), at an annual salary of \$4,308.00, effective February 7, 1962 through August 31, 1962, vice Mr. Lewis James Lorimer, resigned. (Budgeted salary \$4,308.00 for 12 months, p. 172).

Science Building Addition

1666. Approve an extra in the amount of \$628.80 to the contract with Carl E. Maxey Construction Company for the Science Addition to install twenty-four (24) gas outlets and twenty-four (24) air outlets in Research Laboratory G-25.

1667. Approve payment in the amount of \$53.11 from building funds to the Central Warehouse for toilet room accessories in the Addition to the Science Building as follows:

4 each paper towel dispensers	\$ 8.36
5 each toilet tissue dispensers	5.75
4 each soap dispensers	<u>39.00</u>
Total -----	\$ <u>53.11</u>

Organized Research (Account No. 3104B)

1668. Appoint Mr. Richard Lewis Garner as a Pre-doctoral Research Fellow on the Organized Research Project: "The Adsorption of Polar Compounds on Plate-Like Materials," at a stipend of \$200.00 for the period, May 1, 1962 through May 31, 1962. This Fellowship is to be paid from Welch Foundation Grant No. D-072, Account No. 3104B.

1669. Appoint Mr. Andreas Ludi as a Post-doctoral Research Fellow on the Organized Research Project: "The Adsorption of Polar Compounds on Plate-Like Materials," at a stipend of \$5,520.00 for the period, May 1, 1962 through April 30, 1963. This Fellowship is to be paid from Welch Foundation Grant No. D-072, Account No. 3104B.

Organized Research (Account No. 3107D)

1670. Employ Mr. John Arnold Hoiberg as an Undergraduate Research Assistant on the Organized Research Project: "The Chemistry of the Solvated Metal Chelates and Uranium," at a salary of \$140.80 for the period, January 29, 1962 through May 15, 1962. This is to be paid from the budgeted allocation for Student Assistants and/or Part-time Help. (Budgeted salary \$600.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3107D).

Organized Research (Account No. 3146B)

1671. Employ Mr. Chak-Yan Joe as a Research Assistant on the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," at a salary of \$200.00 per month, effective February 1, 1962 through May 15, 1962. (Budgeted salary \$3,000.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3146B).

1672. Employ Mr. Roger G. Sewell as a Research Assistant on the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," at a salary of \$200.00 per month, effective February 1, 1962 through March 31, 1963. (Budgeted salary \$3,000.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3146B).

1673. Employ Mr. John M. Haschke as an Undergraduate Research Assistant on the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," at a salary of \$110.20 for the period, January 29, 1962 through May 15, 1962. (Budgeted salary \$1,000.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3146B).

1674. Employ Miss Phyllis J. Kuhn as an Undergraduate Research Assistant on the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," at a salary of \$191.10 for the period, January 29, 1962 through May 25, 1962. (Budgeted salary \$1,000.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3146B).

1675. Employ Mr. Charles B. Thaxton as an Undergraduate Research Assistant on the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," at a salary of \$164.00 for the period, February 1, 1962 through May 15, 1962. (Budgeted salary \$1,000.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3146B).

1676. Employ Mrs. Betty Wise as an Undergraduate Research Assistant on the Organized Research Project: "Inorganic Coordination Compounds: Kinetics and Mechanism of Some Thermal Rearrangements," at a salary of \$346.50 for the period, January 31, 1962 through May 31, 1962. (Budgeted salary \$1,000.00 for 12 months; Dr. Wesley W. Wendlandt, Principal Investigator; Account No. 3146B).

Texas Tech College Bookstore

1677. Grant permission to the Texas Tech College Bookstore to purchase classroom materials from the following staff member:

Dr. Ramon W. Kireilis, purchase of

20 copies, <u>Beginning Swimming Manuals,</u>	
@ \$1.50 each -----	\$ <u>30.00</u>
TOTAL -----	\$ <u>30.00</u>

Dormitory Systems (Food Service)

1678. Revise the contract of Mrs. Myrtle W. Forrester, Assistant Food Service Manager, Sneed Hall, Dormitory Systems (Food Service) from "an annual salary of \$3,120.00 plus meals" to "an annual salary of \$2,820.00 plus apartment for self and son and meals for self only", effective February 1, 1962 through August 31, 1962. (Budgeted salary \$3,120.00 for 12 months plus meals, p. 279).

Textile Research Laboratories

1679. Accept the resignation of Mrs. Barbara Underwood, Secretary-Technician in the Textile Research Laboratories, at an annual salary of \$3,120.00, effective at the close of the day, February 26, 1962. (Budgeted salary \$3,120.00 for 12 months, p. 307).

Intercollegiate Athletics

1680. Revise the contract of Mrs. Yvonne Humiston, Secretary in the Department of Intercollegiate Athletics, from "an annual salary of \$3,600.00" to "an annual salary of \$3,000.00," effective February 1, 1962 through August 31, 1962. Mrs. Humiston's work schedule has been revised in keeping with the salary change. (Budgeted salary \$3,600.00 for 12 months).

Gift (Mechanical Engineering)

1681. Accept a gift of one (1) six cylinder standard Ford Falcon engine valued at \$430.00 from the Community Relations Committee of the Dallas Division of the Ford Motor Company. This engine will be used by the Department of Mechanical Engineering. Mr. Harry Morris and Mr. George Morris of the Lubbock Auto Company were instrumental in securing the engine from the Ford Motor Company for the College.

Gift (Account No. 3058)

1682. Accept a cash gift in the amount of \$750.00 through the Texas Technological College Foundation, from the Clyde Foundation, Inc., Newton, North Carolina, for the Institute of Science and Engineering at Texas Technological College.

Gift (Account No. 5011)

1683. Accept a cash gift in the amount of \$4,255.68 through the Texas Technological College Foundation, from Mr. James S. Garvey, Fort Worth Club Building, Box 495, Fort Worth 1, Texas, for the Garvey Student Loan Fund at Texas Technological College.

Gift (Account No. 6010)

1684. Accept a cash gift in the amount of \$40.00 through the Texas Technological College Foundation, from Professor Raymond P. Elliott, Post Office Box 4143, Lubbock, Texas, for the Roberta Elliott Lindly and Phyllis Elliott Scholarship Fund at Texas Technological College.

Out-of-State Leaves

I recommend your approval of the following Out-of-State Leaves without loss of pay by the staff members listed below:

1685. Grant permission to Mr. John H. Baumgardner, Professor of Animal Husbandry, to go to Hobbs, New Mexico, on February 12, 1962, to speak to a Chamber of Commerce meeting, giving a report on the Arizona-California feeding tour made recently; to meet with local farm groups to discuss feeding problems in order to properly plan research and teaching programs at Texas Technological College; at no expense to the College.

1686. Grant permission to Dr. Floyd D. Boze, Dean of Admissions and Registrar, to go to Hobbs, New Mexico, on February 27, 1962, to participate in the College Day Program at Hobbs High School; expenses are to be paid from Miscellaneous Travel (Account No. 3290).

1687. Grant permission to Mr. S. T. Cummings, Purchasing Agent, to go to Washington, D. C., from May 4, 1962 through May 8, 1962, to attend a meeting of the National Organization of the National Association of Educational Buyers; to inspect various exhibits by manufacturers; and to obtain information on the latest price trends, sources of supply and up to date equipment available; expenses are to be paid from the Office of the Purchasing Agent Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1688. Grant permission to Dr. Mary B. Dabney, Professor and Head, Department of Health, Physical Education and Recreation for Women, to go to Little Rock, Arkansas, from February 25, 1962 through March 4, 1962, to attend the annual meeting of the Southern District American Association of Health, Physical Education and Recreation and the convention of the Southern Association of Physical Education for College Women, to seek four new staff members for the 1962-63 Academic Year and to secure information on the latest trends, facts and developments in the fields of Health, Physical Education and Recreation for use in planning the work for the Department of Health, Physical Education and Recreation for Women at Texas Technological College; expenses are to be paid from the Department of Health, Physical Education and Recreation for Women Maintenance, Equipment and Travel Account.

1689. Grant permission to Dr. Everett A. Gillis, Professor of English, to go to Monahans, Texas, from April 19, 1962 through April 22, 1962, to attend the annual meeting of the Texas Folklore Society and to present a paper based on original research entitled: "Cowboy Song Adaptations"; to obtain information and materials for use in classroom instruction at Texas Technological College; expenses are to be paid from the Department of English Maintenance, Equipment and Travel Account.

1690. Grant permission to Mr. Ervan J. Holtmann, Assistant Professor, Department of Business Education and Secretarial Administration, to go to Muskogee, Oklahoma, from February 12, 1962 through February 13, 1962, to attend his brother's funeral; at no expense to the College.

1691. Grant permission to Mr. Tommy Keith, Informational Representative, Department of Public Information, to go to Kingston, Oklahoma, from February 6, 1962 through February 7, 1962, to gather and distribute information concerning the role of Texas Technological College in a meeting of the Southwest Park and Recreation Training Institute; expenses are to be paid from the Department of Public Information Maintenance, Equipment and Travel Account.

1692. Grant permission to Dr. Thomas L. Leach, Professor and Head, Department of Agricultural Education, to go to Charleston, South Carolina, from April 6, 1962 through April 15, 1962, to attend the Southern Regional Conference of State Supervisors and Teacher Trainers and to obtain information and materials concerning latest policies and practices used in the training of Vocational Agriculture teachers for use in classroom instruction at Texas Technological College; expenses are to be paid from the Department of Agricultural Education Maintenance, Equipment and Travel Account.

1693. Grant permission to Miss Helen A. Lindell, Assistant Professor of Speech, to go to Ruidoso, New Mexico, from February 9, 1962 through February 11, 1962, to serve as chaperone for Kappa Alpha Theta retreat in her capacity as faculty sponsor; at no expense to the College.

1694. Grant permission to Dr. Harley D. Oberhelman, Associate Professor, Department of Foreign Languages, to go to Tucuman, Argentina, from June 7, 1962 through August 8, 1962, to serve on the staff of the Summer Language Institute to be conducted by Texas Technological College; expenses are to be paid from Grant Funds, Account No. 3910A, Maintenance, Equipment and Travel Account.

1695. Grant permission to Mrs. Hope C. Oberhelman, Instructor, Department of Foreign Languages, to go to Tucuman, Argentina, from June 7, 1962 through August 8, 1962, to serve on the staff of the Summer Language Institute to be conducted by Texas Technological College; expenses are to be paid from Grant Funds, Account No. 3910A, Maintenance, Equipment and Travel Account.

1696. Grant permission to Mrs. Maria O. Munoz, Visiting Associate Professor, Department of Foreign Languages, to go to Tucuman, Argentina, from June 7, 1962 through August 8, 1962, to serve on the staff of the Summer Language Institute to be conducted by Texas Technological College; expenses are to be paid from Grant Funds, Account No. 3910A, Maintenance, Equipment and Travel Account.

Out-of-State Leaves

1697. Grant permission to Mr. Don L. Renner, Assistant Dean of Admissions and Registrar, to go to Kansas City, Missouri, from April 23, 1962 through April 27, 1962, to attend the annual meeting of the American Association of Collegiate Registrars and Admissions Officers, to attend a special workshop on the use of computers for admissions, registration, and automatic scheduling of students; expenses are to be paid from the Office of the Dean of Admissions and Registrar Maintenance, Equipment and Travel Account.

1698. Grant permission to Dr. Sam Schulman, Associate Professor of Sociology, to go to Tucuman, Argentina, from May 20, 1962 through August 8, 1962, to prepare field work to be undertaken during the course of the Summer Language Institute to be conducted by Texas Technological College and to serve on the staff of the Institute; expenses are to be paid from Grant Funds, Account No. 3910A, Maintenance, Equipment and Travel Account.

1699. Grant permission to Mr. Alfred B. Strehli, Professor, Department of Foreign Languages, to go to Washington, D. C., from March 26, 1962 through April 1, 1962, to attend a conference of directors of Summer Languages Institutes called by the Office of Education and to confer with other government agencies and with the Argentina Embassy on matters concerning the Summer Language Institute to be conducted by Texas Technological College during the summer of 1962 in Tucuman, Argentina; expenses are to be paid from Grant Funds, Account No. 3910A, Maintenance, Equipment and Travel Account.

1700. Grant permission to Mr. Alfred B. Strehli, Professor, Department of Foreign Languages, to go to Tucuman, Argentina, from May 20, 1962 through August 31, 1962, to prepare for the Summer Language Institute to be conducted by Texas Technological College; to direct the Institute; to close the affairs of the Institute and prepare a final report; expenses are to be paid from Grant Funds, Account No. 3910A, Maintenance, Equipment and Travel Account.

1701. Grant permission to Dr. Paul J. Woods, Associate Professor, Department of History and Anthropology, to go to Tucson, Arizona, from February 9, 1962 through February 11, 1962, to accompany the Texas Tech Army and Air Force ROTC Drill Teams and ROTC Representatives to meeting and competition sponsored by the University of Arizona ROTC; at no expense to the College.

Respectfully submitted,



R. C. Goodwin
President

RCG:ce

TEXAS TECHNOLOGICAL COLLEGE

Lubbock, Texas

Office of the
Supervising Architect

December 4, 1961

Mr. M. L. Pennington
Vice President and Comptroller

Dear Mr. Pennington:

RE: New Library Building
Texas Technological College

Enclosed herewith you will please find seven copies of Change Order # 7 on the referenced project representing a total credit in the amount of \$8,909.06.

This Change Order has been a matter of considerable correspondence and discussion, but I am confident that it is now in good order and ready for approval. The Change Order itself is based on a report made by Mr. L. W. Pitts on 29 May 1961 including certain negotiations which were authorized by the Board of Directors at the meeting that was held in Lubbock on the subject of corrective measures to be taken in the structural fabric of the building. You may recall that the Board directed Mr. Pitts to take certain steps to adjust finish materials which he considered to be desirable on the overall standpoint of the project. The situation was discussed in considerable detail in my letter to you dated 9 June 1961.

The Change Order originally submitted included certain unsupported items that were not specifically covered in Mr. Pitts' memorandum of 29 May 1961, and these have been finally clarified. All items appearing on the current Change Order except the furnishing of the toilet room accessories by the Owner (credit \$441.00) and the reduction of the widths of the door frames 68, 69 and 119 (added charge \$34.40) are thoroughly covered in the correspondence referred to above.

The Owner agreed to provide toilet room accessories, and the architects were instructed to make this change by telephone. I am not certain that this item has ever cleared as a docket item. I find no specific docket item in the file. The credit allowed was most generous.

The reduction of the widths of the door frames 68, 69 and 119 was a change necessitated in the field by some structural considerations that were entirely unforeseen. The doors could have been installed in the size indicated, but it was felt that sufficient anchorage of the frames into the masonry at the jambs was not available and that there was a potential danger of the frames pulling loose from the wall with continual usage. The charge of \$34.40 is a very modest one for cutting and re-welding three door frames, and I would certainly recommend approval of this amount. I sincerely regret that it was not processed in normal fashion, but it seems to have been overlooked in the accumulation of larger and more important considerations.

I would recommend approval of Change Order #7 representing a total reduction in the contract of \$8,909.06 since I feel that the items are now fully documented, and I am confident that they are all in keeping with the intent of the action of the Board expressed to Mr. Pitts last May.

Very truly yours,

/s/ Nolan E. Barrick

Nolan E. Barrick, A.I.A.
Supervising Architect

NEB:mc

enc.

C O P Y

TEXAS TECHNOLOGICAL COLLEGE
Lubbock, Texas
New Library Building
Attachment to Change Order No. 7
November 29, 1961

CHANGE

Substitute Crystalline White 20 mm for Blue 20 mm glass mosaic tile on walls of Garden Room 102, Elevator Lobby 101, Passages 137 and 138 and on west wall of Tower at First Floor level as originally shown on the drawings	(deduct)	\$550.00
Use Laticrete mortar to set exterior glass tile referred to above.	(add)	90.00
DEDUCTIVE ALTERNATE #5A - Omit color inserts from solar screens on West Wall, First Floor.	(deduct)	350.00
DEDUCTIVE ALTERNATE #5B - Omit color inserts from solar screens on North and South Walls, First Floor.	(deduct)	250.00
DEDUCTIVE ALTERNATE #5C - Omit color inserts from solar screens at all walls of the Tower at and above the Second Floor.	(deduct)	6,000.00
Refund of Cash Allowance not expended for eight exterior walk and step light fixtures only. Conduit and wire with waterproof seal shall be run to each of the eight locations that the lights can be installed at a future date if desired.	(deduct)	1,600.00
Substitute two 24" diameter style 48 clocks with "M" type hands in the First Floor Elevator Lobby. Add \$202.00 Plus Gen. Contr's. 1.75% Fee, \$3.54.	(add)	205.54
Substituting painted channels and lath in lieu of galvanized specified for interior channels and lath.	(deduct)	331.00
Owner to furnish to Contractor certain toilet room accessories for installation by the contractor as outlined in attached letter from J. M. Odom dated 25 April 1961.	(deduct)	441.00
Substituting aluminum divider strip painted 3 coats, in lieu of plastic divider strips at glass mosaic tile walls.	(add)	283.00
Reducing width of door frames 68, 69 and 119.	(add)	34.40
Total Deductions -----		\$9,522.00
Total Additions -----		612.94
Total -----		<u>\$8,909.06</u>

THE STATE OF TEXAS :

COUNTY OF LUBBOCK :

We, the undersigned, being the Vice President and Comptroller of Texas Technological College (Senior Financial Officer of the College) and the Secretary of the Board of Directors of Texas Technological College, respectively, do hereby certify as follows:

1. That this certificate is made for the benefit of the Attorney General of the State of Texas and the prospective holder of Board of Directors of Texas Technological College Student Union Building Addition Revenue Bond of 1960, in the amount of \$620,000.00 (hereinafter called the "Bond").

2. That the Project to be constructed with the proceeds from the aforesaid Bond will consist of improving the Student Union Building, on the campus of Texas Technological College at Lubbock, Texas, by altering same and constructing an addition thereto, including necessary appurtenances.

3. That other than for the payment of the Bond, the rents, revenues, and income of the Student Union Building and the College Bookstore on the campus of the College, and the Student Union Building Use Fees at the College, have not in any manner been pledged to the payment of any debt or obligation of said Board or said College.

4. That we are acquainted with the financial condition of Texas Technological College and hereby certify that the financial condition of said College is now at least as favorable as it was on the date the application was filed with the Housing and Home Finance Agency of the United States of America for a loan to be evidenced by the issuance and purchase of the aforesaid Bond.

5. That on August 20, 1960, the date when the Resolution authorizing the aforesaid Bond was first adopted, the following persons were the officers and members of the Board of Directors of Texas Technological College:

C. I. Wall,

Chairman,

Douglas Orme,

:

Vice Chairman,

Manuel DeBusk,	:	
J. Evetts Haley,	:	
Harold Hinn,	:	Directors,
Tom Lineberry,	:	
Wilmer Smith,	:	
Floyd W. Wooldridge,	:	
J. Roy Wells,	:	Secretary.

6. That on December 9, 1961, the date on which the aforesaid Bond resolution was amended, and at all times subsequent thereto, to and including the date of this certificate, the following persons were and are the officers and members of the Board of Directors of Texas Technological College:

C. I. Wall,	:	Chairman,
Harold Hinn,	:	Vice Chairman,
Alvin R. Allison,	:	
Manuel DeBusk,	:	
R. Wright Armstrong,	:	
James L. Lindsey,	:	Directors,
J. Edd McLaughlin,	:	
Wilmer Smith,	:	
Floyd A. Wooldridge,	:	
J. Roy Wells,	:	Secretary.

7. That Texas Technological College is a duly established educational institution of the State of Texas, existing by virtue of and operating under the Constitution and laws of the State of Texas.

8. That no litigation of any nature has been filed or is now pending to restrain or enjoin the issuance or delivery of said Bond or which would affect the provision made for its payment or security, or in any manner questioning the validity of said Bond or the proceedings or authority pertaining to the issuance of said Bond, and that so far as we know and believe, no such litigation is threatened.

9. That neither the corporate existence of said Board or of said College, nor the title of the present officers of said Board to their respective offices is being contested, and that no authority or proceedings for the issuance of said Bonds have been repealed, revoked, or rescinded.

10. That the anticipated and estimated average annual revenues and expenses for the operation and maintenance of the Student Union Building and the College Bookstore, together with the estimated average annual receipts from the Student Union Building Use Fees, are as set forth in the Schedule attached to this certificate.

TO CERTIFY WHICH witness our hands and the seal of the Board of Directors of Texas Technological College, this the _____ day of _____, 1962.

(SEAL)

/s/ M. L. Pennington
Vice President and Comptroller,
Texas Technological College,
(Senior Financial Officer).

/s/ J. Roy Wells
Secretary, Board of Directors,
Texas Technological College

SCHEDULE

Estimated Average Annual Revenues:

From Student Union Building -----	\$ <u>604,493.00</u>
From College Bookstore -----	<u>204,153.00</u>
From Compulsory Student Union Building Use Fees -----	<u>93,807.00</u>
 Total Average Annual Revenues ----	 \$ <u><u>902,453.00</u></u>

Estimated Average Annual Expenses:

Of Student Union Building -----	\$ <u>543,165.00</u>
Of College Bookstore -----	<u>245,381.00</u>
 Total Average Annual Expenses ----	 \$ <u><u>788,546.00</u></u>

Estimated Average Annual Net Revenues and Use Fees -----	\$ <u><u>113,907.00</u></u>
---	-----------------------------

TEXAS TECHNOLOGICAL COLLEGE
Department of Sociology
Organized Research, Account No. 1706
Project: "Demographic Characteristics of Migrants
to a High Migrancy Area"
For the period, September 1, 1961 through August 31, 1962

1961-62

Principal Investigator

Winfred George Steglich -----	\$ 1,600.00(a)
Research Assistants -----	-0-
Student Assistants and/or Part-time Help -----	-0-
Maintenance, Equipment and Travel -----	<u>30.00(b)</u>
Total -----	\$ <u>1,630.00</u>

(a) Full-time contract from July 16, 1962 through August 31, 1962.

(b) Allocation for travel--none.

TEXAS TECHNOLOGICAL COLLEGE
Department of Journalism
Organized Research, Account No. 1707
Project: "The Nature of the Texas Daily Newspaper:
A Comparison and Evaluation"
For the period, September 1, 1961 through August 31, 1962

1961-62

Principal Investigator

Wallace Earl Garets -----	\$ -0-
Research Assistants -----	-0-
Student Assistants and/or Part-time Help -----	250.00
Maintenance, Equipment and Travel -----	<u>25.00</u>
Total -----	\$ <u>275.00</u>

TEXAS TECHNOLOGICAL COLLEGE
Department of History and Anthropology
Organized Research, Account No. 1708
Project: "World War I and the Conflict of Ideas:
The United States in Transition, 1917-1921"
For the period, September 1, 1961 through August 31, 1962

1961-62

Principal Investigator

Timothy Paul Donovan -----	\$ 1,116.00(a)
Research Assistants -----	-0-
Student Assistants and/or Part-time Help -----	-0-
Maintenance, Equipment and Travel -----	<u>-0-</u>
Total -----	\$ <u><u>1,116.00</u></u>

(a) Full-time contract from June 1, 1962 through July 14, 1962.

SEWAGE EFFLUENT CONTRACT BETWEEN
THE CITY OF LUBBOCK, TEXAS AND
TEXAS TECHNOLOGICAL COLLEGE

WHEREAS, The City of Lubbock is in the process of finalizing plans for a sewage treatment plant to be located North of Clovis Road and in the vicinity of Knoxville Avenue, within the City of Lubbock and there will be available from this plant, when completed and in service, sewage effluent of adequate quality to be used for irrigation; and,

WHEREAS, The Board of Directors of Texas Technological College after due consideration and study has determined that it will be both expedient and desirable to acquire the effluent from such sewage treatment plant for the purpose of irrigation; and,

WHEREAS, The City Commission of the City of Lubbock has determined that it is to the best interest of the inhabitants of the City of Lubbock and the public generally that such effluent be furnished to Texas Technological College at the lowest possible cost to said College; and,

WHEREAS, it is further deemed advisable and to the best interest of the City of Lubbock and Texas Technological College that the terms and conditions of the furnishing of such effluent be incorporated in this agreement;

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS: This agreement and contract is this day made by and between the City of Lubbock, a home rule municipal corporation of Lubbock County, Texas, acting herein by and through its Mayor as heretofore duly authorized by Resolution of the City Commission, hereinafter called "CITY", and the Texas Technological College, an educational institution of the State of Texas, located in Lubbock County, Texas, acting herein by and through the Chairman of its Board of Directors, as heretofore duly authorized by Resolution of the said Board, hereinafter called "COLLEGE":

W I T N E S S E T H:

In consideration of the covenants and agreements herein expressed to be performed by the parties hereto, the City of Lubbock does hereby covenant and agree, beginning upon completion of the sewage treatment

plant above described and other necessary pumping facilities, lines, and reservoir, to supply COLLEGE the sewage effluent processed at said sewage treatment plant, and COLLEGE hereby covenants and agrees to take all the sewage effluent from said CITY, to be used exclusively on COLLEGE property unless otherwise agreed to in writing by the CITY, so long as the biological oxygen demand remains as hereafter provided, and subject to the following terms, conditions and covenants:

The COLLEGE agrees and obligates itself to excavate, lay, construct and install sufficient reservoir, lines and pumps to transport the effluent from CITY disposal plant to COLLEGE land and premises.

The CITY hereby grants to the COLLEGE the right to make and maintain connections between the City of Lubbock Northwest Sewage Treatment Plant and the lands and premises owned by Texas Technological College of proper and sufficient size to transport such sewage effluent to the land owned by said COLLEGE over and across right-of-way to be furnished by CITY.

This grant is made upon the following terms and conditions, to wit:

1. That City of Lubbock shall not at any time be required to build, lay or construct or install any reservoir line or pump or any other facility necessary for transporting said effluent to the lands owned by Texas Technological College. However, it is agreed and understood that the City of Lubbock shall maintain any line and pump or pumps which may be installed by the COLLEGE to be used in carrying out terms of the contract and for which maintenance cost the COLLEGE agrees and hereby obligates itself to pay to said CITY the actual cost for such maintenance. In addition to the cost for maintenance of the line and pump the COLLEGE agrees and obligates itself to pay said CITY for all electrical energy consumed in the transportation of such sewage effluent from the sanitary treatment plant to the line owned by COLLEGE at rates established by ordinance for municipal or school consumers, whichever is cheaper. Payment is to be made to CITY within reasonable time after receipt of such bill of cost delivered to the COLLEGE.

2. The sewage effluent to be delivered by CITY to COLLEGE shall be sewage effluent having a biological oxygen demand (B.O.D.) of approximately twenty (20) parts per million unless otherwise requested by COLLEGE

in writing to reduce the B.O.D. in which event COLLEGE agrees and obligates itself to pay the increased cost to CITY which may be incurred for chemicals used for such additional treatment.

3. As an express condition herein COLLEGE will use due diligence in handling, distributing and/or storing all sewage effluent delivered to it, under the terms of this agreement, in such a manner as to not substantially increase the density of odor emitting therefrom, or from spreading and causing other than normal discomfort and annoyance to nearby inhabitants, and to the best of its ability will not use or suffer to be used any effluent in such a manner as to constitute a nuisance. If in the event such condition does arise from such use the COLLEGE will diligently do all that may be necessary to abate and correct such condition.

4. The COLLEGE in its use of such effluent shall take ordinary and reasonable precaution to prevent the flow of effluent onto or over property not owned by COLLEGE unless otherwise permitted by owner or owners of such land given in writing which shall be subject to all terms, conditions and covenants contained in this agreement.

The parties hereto agree and it is expressly stipulated and understood that the CITY shall not be liable for any damage, claim or cost or subject to any cause of action, after the sewage effluent is transported by pipeline to COLLEGE lands and premises.

It is further agreed and understood that should CITY be restrained by Court action or otherwise prohibited from delivering the effluent to COLLEGE for the purpose agreed and anticipated, the CITY shall be released from responsibility for the provisions of this contract during such interval without further action by either party hereto and until such time as such restraint or prohibition is removed. Upon resumption of operation of the sewage treatment plant, CITY shall continue delivery of the effluent to COLLEGE.

Nothing herein shall be construed as creating a fixed indebtedness on part of COLLEGE.

This contract shall become operative and binding on the parties hereto for a term ending twenty (20) years from the date the first sewage effluent is delivered to COLLEGE under the terms of this agreement,

provided, however, it is understood and agreed that said COLLEGE, by decision of its Board of Directors, desire for any reason to terminate this agreement, it may do so; then in such event an intention to abandon this agreement may be exercised by written notice to CITY delivered not less than twelve (12) months prior to the date such termination is to become effective. It is mutually agreed that the COLLEGE cannot amortize its original cost in a period of twenty years and for such reason, it is further understood, agreed and here stipulated that upon termination of the original twenty (20) year term this agreement may be continued at the option of the COLLEGE for an additional ten (10) years. Should the COLLEGE desire to exercise this option, it may do so by giving notice to the CITY in writing twelve (12) months prior to the termination of the original term.

In the event COLLEGE exercise its right of option for an additional ten (10) years, then in such event, the cost of the chemical treatment may be re-negotiated to the extent necessary to protect the CITY should there be any increase in such cost.

EXECUTED THIS 3rd day of January, 1962.

CITY OF LUBBOCK

David C. Casey, MAYOR

ATTEST:

Lavenia Lowe
CITY SECRETARY-TREASURER

BOARD OF DIRECTORS
TEXAS TECHNOLOGICAL COLLEGE

C. I. Wall, CHAIRMAN

ATTEST:

J. Roy Wells, SECRETARY

TEXAS TECHNOLOGICAL COLLEGE
School of Home Economics
Lubbock, Texas

Department of
Home Economics Education

December 21, 1961

Mr. J. Roy Wells, Secretary
Board of Directors
President's Office
Campus

Dear Mr. Wells:

Thank you for your letter of December 9, 1961 informing me of the action of the Board in conferring on me the title "Professor of Home Economics Education, Emeritus", effective June 1, 1962.

I feel honored and deeply appreciative of this action of the Board, and I shall have great pride in having the title.

Will you be kind enough to convey in an appropriate way my appreciation to the Board for their action.

Sincerely,

/s/ Vivian J. Adams

Vivian J. Adams, Head
Department of
Home Economics Education

VJA:kb

C O P Y

TEXAS TECHNOLOGICAL COLLEGE
School of Home Economics
Home Economics Instructional Materials Project
For the period, September 1, 1961 through August 31, 1962

<u>Estimated Income:</u>	<u>1961-62</u>
Balance on September 1, 1961 -----	\$ 2,173.19
Grant from The Sears-Roebuck Foundation -----	<u>1,100.00</u>
Total Estimated Income -----	\$ <u>3,273.19</u>

<u>Estimated Expenses:</u>	<u>1961-62</u>
Associate Professor	
Billie Frances Williamson -----	\$ -0-
Student Assistants and/or Part-time Help -----	500.00
OASI -----	9.38
Maintenance, Equipment and Travel -----	<u>2,763.81</u>
Total Estimated Expenses -----	\$ <u>3,273.19</u>

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Organized Research Budget, Account No. 3104B
Project: "The Adsorption of Polar Compounds on
Plate-Like Materials"
For the period, May 1, 1962 through April 30, 1963

<u>Estimated Income:</u>	<u>1962</u>
Estimated Balance on May 1, 1962 -----	\$ 4,675.00
Robert A. Welch Foundation Grant No. D-072 -----	<u>12,000.00</u>
Total Estimated Income -----	<u>\$16,675.00</u>
<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Arthur Lincoln Draper, Jr. -----	\$ 2,200.00(a)
Fellowships	
Andreas Ludi -----	5,520.00(b)
Richard E. Garner -----	2,565.00(c)
OASI -----	68.75
Maintenance, Equipment and Travel -----	4,805.35
Indirect Cost (Overhead Cost 10%) -----	<u>1,515.90</u>
Total Estimated Expenses -----	<u>\$16,675.00</u>

- (a) This contract is to be dated from June 1, 1962 through August 31, 1962.
- (b) A Post-doctoral Fellowship for the period, May 1, 1962 through April 30, 1963.
- (c) A Pre-doctoral Fellowship for the period, May 1, 1962 through April 30, 1963.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "Studies of the Cyanoethylation Reaction"
For the period, May 1, 1962 through April 30, 1963

<u>Estimated Income:</u>	<u>1962</u>
Estimated Balance on May 1, 1962 -----	\$ -0-
The Robert A. Welch Foundation Grant No. D-070 -----	<u>12,000.00</u>
Total Estimated Income -----	\$ <u><u>12,000.00</u></u>

<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Joe Alfred Adamcik -----	\$ 2,265.00(a)
Fellowships (12 months)	
_____ -----	2,725.00
_____ -----	2,725.00
OASI -----	35.00
Maintenance, Equipment and Travel -----	3,159.00
Indirect Cost (Overhead) -----	<u>1,091.00</u>
Total Estimated Expenses -----	\$ <u><u>12,000.00</u></u>

(a) Contract to be dated June 1, 1962 through August 31, 1962.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "Hydrocarbon Oxidation and the
Reactions of Acyloxy Radicals"
For the period, May 1, 1962 through April 30, 1963

<u>Estimated Income:</u>	<u>1962</u>
The Robert A. Welch Foundation Grant No. D-028 -----	\$ <u>12,000.00</u>
Total Estimated Income -----	\$ <u>12,000.00</u>

<u>Estimated Expenses:</u>	<u>1962</u>
Senior Investigator	
Henry J. Shine -----	\$ 1,425.00(a)
Fellowships	
John A. Waters -----	6,000.00(b)
David M. Hoffman -----	2,400.00(c)
OASI -----	44.53
Maintenance, Equipment and Travel -----	1,039.47
Indirect Cost (Overhead) -----	<u>1,091.00</u>
Total Estimated Expenses -----	\$ <u>12,000.00</u>

- (a) Part-time. Also Part-time on Organized Research Project, Account No. 3156A, at a salary of \$1,508.00. Contract to be dated June 1, 1962 through August 31, 1962.
- (b) Post-doctoral Fellowship.
- (c) Pre-doctoral Fellowship.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "The Thermal Rearrangement of
Aquo-Ammine Chromium (III) Complexes"
For the period, May 1, 1962 through April 30, 1963

<u>Estimated Income:</u>	<u>1962</u>
Estimated Balance on May 1, 1962 -----	\$ -0-
The Robert A. Welch Foundation Grant D-075 -----	<u>12,000.00</u>
Total Estimated Income -----	\$ <u>12,000.00</u>

<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Wesley William Wendlandt -----	\$ 2,400.00(a)
Pre-doctoral Fellowships	
-----	2,400.00
-----	2,400.00
OASI -----	75.00
Maintenance, Equipment and Travel -----	3,635.00
Indirect Cost (Overhead) -----	<u>1,090.00</u>
Total Estimated Expenses -----	\$ <u>12,000.00</u>

(a) Contract to be dated June 1, 1962 through August 31, 1962.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "Heterocyclic Nitrogen Containing Ligands"
For the period, May 1, 1962 through April 30, 1963

<u>Estimated Income:</u>	<u>1962</u>
The Robert A. Welch Foundation Grant D-094 -----	\$ <u>12,000.00</u>
Total Estimated Income -----	\$ <u><u>12,000.00</u></u>

<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Fred Charles Trusell -----	\$ 2,400.00(a)
Fellowships (12 months)	
-----	2,400.00
-----	2,400.00
OASI -----	72.00
Maintenance, Equipment and Travel -----	3,637.10
Indirect Cost (Overhead) -----	<u>1,090.90</u>
Total Estimated Expenses -----	\$ <u><u>12,000.00</u></u>

(a) Contract to be dated June 1, 1962 through August 31, 1962.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "Reactions of Thioaromatic Compounds"
For the period, February 1, 1962 through January 31, 1963

<u>Estimated Income:</u>	<u>1962</u>
Balance on February 1, 1962 -----	\$ 8,400.00
Air Force Office of Scientific Research, Grant No. AF-AFOSR-61-48 -----	<u>10,000.00</u>
Total Estimated Income -----	\$ <u>18,400.00</u>
 <u>Estimated Expenses:</u>	 <u>1962</u>
Principal Investigator	
Henry J. Shine -----	\$ 1,508.00(a)
Research Assistants	
Thomas A. Robinson -----	6,000.00(b)
-----	2,600.00(c)
OASI -----	315.88
Maintenance, Equipment and Travel -----	4,909.12
Indirect Cost (Overhead) -----	<u>3,067.00</u>
Total Estimated Expenses -----	\$ <u>18,400.00</u>

- (a) Part-time. Also Part-time on Organized Research Project, Account No. 3169A, at a salary of \$1,425.00. Contract to be dated June 1, 1962 through August 31, 1962.
- (b) Post-doctoral Fellowship.
- (c) Pre-doctoral Fellowship.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "Inorganic Coordination Compounds:
Kinetics and Mechanism of Some Thermal Rearrangements"
For the period, February 1, 1962 through January 31, 1963

<u>Estimated Income:</u>	<u>1962</u>
Estimated Balance on February 1, 1962 -----	\$ 550.00
Air Force Office of Scientific Research, Contract No. AF 49(638)-787 -----	<u>20,935.00</u>
Total Estimated Income -----	\$ <u><u>21,485.00</u></u>

<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Wesley William Wendlandt -----	\$ -0-
Research Assistants	
-----	2,400.00
-----	2,400.00
-----	2,400.00
Student Assistants and/or Part-time Help -----	1,600.00
OASI -----	275.00
Maintenance, Equipment and Travel -----	9,342.00
Indirect Cost (Overhead) -----	<u>3,068.00</u>
Total Estimated Expenses -----	\$ <u><u>21,485.00</u></u>

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63
School of Agriculture

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
1613	Studies of the Engineering Aspects of Cotton Handling and Conveyance During the Ginning Process	\$ 3,300.00	\$ 3,000.00	\$ -0-	\$ -0-	\$ 300.00	\$ -0-	\$ -0-
1602C	Evaluation of Systems Used for Well Recharge into the Ogallala Formation	3,460.00	2,567.00	-0-	-0-	700.00	193.00	-0-
1612	A Study of Mineral Transformations and Weathering Processes Occurring During Soil Development on Crystalline Rocks in the Southwest	4,013.00	1,413.00	2,200.00	-0-	400.00	-0-	-0-
1602A	A Study of Shape as it is Related to Performance in Beef Cattle	500.00	-0-	-0-	-0-	500.00	-0-	-0-
_____	The Use of Edible Animal and Vegetable Fats in Palatability Studies of Processed Meat Products	500.00	-0-	-0-	-0-	500.00	-0-	-0-
1615	Some of the Convection Heat Transfer Characteristics of Fluid Dairy Products During Cooling in the Manufacturing Process	400.00	-0-	-0-	-0-	400.00	-0-	-0-
1602E	Biology and Control of Foliage-Feeding Insects of Ornamental Trees and Shrubs in West Texas	1,933.00	1,438.00	-0-	-0-	370.00	125.00	-0-
1616	Nature and Fate of Insecticide Residues on Sorghum Grain	1,856.00	1,167.00	-0-	-0-	300.00	389.00	-0-

School of Agriculture (Continued)

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
1610	The Breeding and Evaluation of Garden Chrysanthemums for the South Plains and Southwest	\$ 2,400.00	\$ -0-	\$ -0-	\$ 2,400.00	\$ -0-	\$ -0-	\$ -0-
1611	An Evaluation of Vegetable Varieties Adapted to the High Plains of Texas	2,838.00	1,638.00	-0-	-0-	700.00	500.00	-0-
TOTAL -----		\$21,200.00	\$11,223.00	\$ 2,200.00	\$ 2,400.00	\$ 4,170.00	\$ 1,207.00	\$ -0-

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63
School of Arts and Sciences
Social Sciences - Humanities

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
	The Theme of the Quest for Truth in the Tragedy of Hamlet	\$ 1,433.00	\$ 1,433.00	\$ -0-	\$ -0-	\$ -0-	\$ -0-	\$ -0-
	A Critical Study of T.S. Eliot's <u>Four Quartets</u>	1,500.00	1,500.00	-0-	-0-	-0-	-0-	-0-
	Hawthorne As A Traditional Humanist: The Problem of Knowledge In His Works	2,982.00	1,516.00	1,466.00	-0-	-0-	-0-	-0-
	The Influence of Matthew Arnold's Experience As A Judge's Marshal Upon His Literary Works	1,612.00	1,150.00	-0-	-0-	300.00	162.00	-0-
	English Grammar: A Clarification of Terms Currently Used	1,200.00	1,200.00	-0-	-0-	-0-	-0-	-0-
	Color Symbolism in Hawthorne's <u>The Scarlet Letter</u>	1,083.00	1,083.00	-0-	-0-	-0-	-0-	-0-
1689	Spanish Literature and Life in the Reign of Fernando VII (1808 - 1833)	1,933.00	1,733.00	-0-	-0-	-0-	200.00	-0-
	A Study of the Major Linguistic and Psychological Problems Involved in the Teaching of Foreign Languages in the Elementary Grades	800.00	-0-	-0-	-0-	600.00	200.00	-0-
	The Development of Local Government in Texas	3,750.00	1,375.00	-0-	2,200.00	-0-	175.00	-0-
	Studies Relating to Toltec History	1,167.00	1,167.00	-0-	-0-	-0-	-0-	-0-

School of Arts and Sciences -- Social Sciences - Humanities (Continued)

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
_____	Ranald S. MacKenzie and the Settlement of the Indian Problem in the West	\$ 1,500.00	\$ -0-	\$ -0-	\$ -0-	\$ 1,225.00	\$ 275.00	\$ -0-
_____	Patterns of Migration and Social Adjust- ment: Case Study, Lubbock, Texas	1,392.00	1,357.00	-0-	-0-	-0-	35.00	-0-
	TOTAL -----	\$20,352.00	\$13,514.00	\$ 1,466.00	\$ 2,200.00	\$ 2,125.00	\$ 1,047.00	\$ -0-

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63
School of Arts and Sciences
Sciences - Mathematics

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
1603G	The Geographic Distribution and Origin of the Reptile and Amphibian Fauna of Northwest Texas	\$ 2,400.00	\$ 1,200.00	\$ -0-	\$ 1,200.00	\$ -0-	\$ -0-	\$ -0-
_____	Studies on the Diseases of Field Crops in West Texas	5,101.00	1,100.00	-0-	1,000.00	-0-	3,001.00	-0-
_____	Lipid in Mitochondria of Mammals and Fungi	5,189.50	1,150.00	-0-	1,800.00	-0-	2,239.50	-0-
_____	The Use of Trace Elements in Correlating Rhyolitic Lava Flows	5,981.00	1,733.00	-0-	2,400.00	-0-	1,648.00	200.00
_____	Holmgren--Riesz Transform, Properties and Applications	1,370.00	1,370.00	-0-	-0-	-0-	-0-	-0-
_____	Inner Bremsstrahlung Spectrum of Ni 59	4,233.00	1,733.00	-0-	2,200.00	-0-	300.00	-0-
1603V	Research Studies in the Physics of the Solid State	7,025.00	1,400.00	-0-	1,200.00	-0-	4,425.00	-0-
1705	An Investigation of Possible Dynamical Principles for a Theory of Elementary Particles Based on Dispersion Relations	3,517.00	1,317.00	-0-	2,200.00	-0-	-0-	-0-
TOTAL -----		\$34,816.50	\$11,003.00	\$ -0-	\$12,000.00	\$ -0-	\$11,613.50	\$ 200.00

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63
School of Business Administration

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
_____	Accounting Procedures for Consolidations	\$ 2,097.00	\$ 1,767.00	\$ -0-	\$ -0-	\$ 300.00	\$ 30.00	\$ -0-
_____	A Study of Fund Accounting as Used by Texas Municipalities with Populations of more than 5,000	1,600.00	1,400.00	-0-	-0-	100.00	100.00	-0-
_____	Applications of 1960 U.S. Census Tract and Other Small Area Data to Decision Making in Business	2,000.00	1,500.00	-0-	-0-	400.00	100.00	-0-
_____	An Inquiry into the Nature and Extent of Consumer Credit and Its Influence on the Business Cycle	1,193.00	1,133.00	-0-	-0-	50.00	10.00	-0-
TOTAL -----		\$ 6,890.00	\$ 5,800.00	\$ -0-	\$ -0-	\$ 850.00	\$ 240.00	\$ -0-

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63
School of Engineering

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
1604A	Investigations in Solid-State Electronics	\$13,930.00	\$ 4,000.00	\$ -0-	\$ 6,540.00	\$ -0-	\$ 3,290.00	\$ 100.00
	An Investigation of the Effect on the Mechanicism of Hydraulic Formation Fracturing in Water Injection of a Sand- face Filter Coke Deposited from Waters Carrying High Colloidal and Solid Suspensions of Organic and/or Inorganic Origins	16,540.00	6,800.00	5,520.00	-0-	1,200.00	3,020.00	-0-
	TOTAL -----	\$30,470.00	\$10,800.00	\$ 5,520.00	\$ 6,540.00	\$ 1,200.00	\$ 6,310.00	\$ 100.00

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63
School of Home Economics

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
_____	Examination of Creative Attributes of Elementary Children--Grades 4, 5, 6	\$ 3,785.00	\$ 3,160.00	\$ -0-	\$ -0-	\$ 250.00	\$ 375.00	\$ -0-
_____	A Study of the Effectiveness of Various Types of Detergents in Relation to the Water Hardness in the South Plains Area	825.00	-0-	725.00	-0-	-0-	100.00	-0-
_____	The Use of Grain Sorghums as Food for Humans and their Nutritive Qualities	1,100.00	-0-	900.00	-0-	100.00	100.00	-0-
_____	Relationship of Vitamin E Consumption of Albino Rats to Radiation Tolerance	2,520.00	-0-	2,120.00	-0-	250.00	150.00	-0-
	TOTAL -----	\$ 8,230.00	\$ 3,160.00	\$ 3,745.00	\$ -0-	\$ 600.00	\$ 725.00	\$ -0-

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63
Contingent Upon the Availability of Funds

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
<u>AGRICULTURE</u>								
_____	The Evaluation of Factors Related to the Nutritional Status of Field Crops	\$ 500.00	\$ -0-	\$ -0-	\$ -0-	\$ 500.00	\$ -0-	\$ -0-
_____	Standard Versus Intensified Management Practices of Range Type Sheep for Optimum Wool and Fat-Lamb Production	500.00	-0-	-0-	-0-	500.00	-0-	-0-
_____	Economics of Rangeland Conservation and Resource Usage in West Texas	500.00	-0-	-0-	-0-	500.00	-0-	-0-
<u>ARTS AND SCIENCES</u>								
<u>Social Sciences - Humanities</u>								
_____	The Archaic Period in the Archaeology of the South Plains of Texas	933.00	933.00	-0-	-0-	-0-	-0-	-0-
1673	Modification of Raven Progressive Matrices for the Blind	2,800.00	2,300.00	-0-	-0-	400.00	100.00	-0-
<u>Sciences - Mathematics</u>								
_____	The Paleogeography and Depositional Topography of the Early Cretaceous Boquillas Formation of Trans-Pecos Texas	3,293.00	1,133.00	-0-	1,800.00	-0-	60.00	300.00
1686	Quantitative Differential Thermal Analysis	9,460.00	2,760.00	-0-	1,200.00	-0-	5,500.00	-0-
_____	Force Platform Design	1,850.00	1,200.00	-0-	-0-	200.00	450.00	-0-

Contingent Upon the Availability of Funds (Continued)

Account Number	Title of Project	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
<u>Social Sciences - Humanities (Continued)</u>								
-----	History of Fight for Veterans' Preference in Civil Service Since World War II	\$ 1,300.00	\$ 1,250.00	\$ -0-	\$ -0-	\$ -0-	\$ 50.00	\$ -0-
<u>HOME ECONOMICS</u>								
1801	Nutritional Qualities of Indigenous Foods of the Southwest	1,300.00	1,100.00	-0-	-0-	-0-	200.00	-0-
TOTAL -----		\$22,436.00	\$10,676.00	\$ -0-	\$ 3,000.00	\$ 2,100.00	\$ 6,360.00	\$ 300.00

TEXAS TECHNOLOGICAL COLLEGE
Request for Organized Research Funds for 1962-63

S U M M A R Y P A G E

School	Total Budget	Principal Investigator	Research Associate	Research Assistant	Student Asst. and/or P-T Help	Maintenance and Equipment	Travel Allowance
SCHOOL OF AGRICULTURE	\$ 21,200.00	\$11,223.00	\$ 2,200.00	\$ 2,400.00	\$ 4,170.00	\$ 1,207.00	\$ -0-
SCHOOL OF ARTS AND SCIENCES							
Social Sciences - Humanities	20,352.00	13,514.00	1,466.00	2,200.00	2,125.00	1,047.00	-0-
Sciences - Mathematics	34,816.50	11,003.00	-0-	12,000.00	-0-	11,613.50	200.00
SCHOOL OF BUSINESS ADMINISTRATION	6,890.00	5,800.00	-0-	-0-	850.00	240.00	-0-
SCHOOL OF ENGINEERING	30,470.00	10,800.00	5,520.00	6,540.00	1,200.00	6,310.00	100.00
SCHOOL OF HOME ECONOMICS	8,230.00	3,160.00	3,745.00	-0-	600.00	725.00	-0-
Subtotal -----	\$121,958.50	\$55,500.00	\$12,931.00	\$23,140.00	\$ 8,945.00	\$21,142.50	\$ 300.00
Contingent Upon the Availability of Funds ----	\$ 22,436.00	\$10,676.00	\$ -0-	\$ 3,000.00	\$ 2,100.00	\$ 6,360.00	\$ 300.00
TOTAL -----	\$144,394.50	\$66,176.00	\$12,931.00	\$26,140.00	\$11,045.00	\$27,502.50	\$ 600.00

STATE OF TEXAS

COUNTY OF LUBBOCK

THIS AGREEMENT made the 9th day of December, 1961, by and between the Board of Directors, Texas Technological College, Lubbock, Lubbock County, Texas, acting herein by and through C. I. Wall, Amarillo, Potter County, Texas, Chairman of the Board of Directors, hereinafter called the Owner and Cantrell and Burns, Architects, of Lubbock, Lubbock County, Texas, hereinafter called the Architects.

WITNESSETH, that whereas the Owner intends to complete certain remodeling and rehabilitation of the Library Building on the campus of Texas Technological College, Lubbock, Texas.

NOW, THEREFORE, the Owner and the Architects for the consideration hereinafter named agree as follows:

The Architects agree to perform for the above-named work professional services hereinafter set forth.

The Owner agrees to pay to the Architects for such services a fee of six per cent (6%) of the cost of the work, with other payments, and reimbursements and deductions as hereinafter provided, the said percentage being hereinafter referred to as the basic rate.

ARTICLE 1. THE ARCHITECTS' SERVICES: The Architects' professional services consist of the necessary conferences, preparation of preliminary studies, complete working drawings and specifications covering the architectural, structural, plumbing, heating and air conditioning, electrical and other mechanical phases of the work, large-scale and full-size detail drawings, assistance in drafting forms of proposals and contracts, the issuance of certificates of payments, the keeping of accounts, the general administration of the business and supervision of the work.

ARTICLE 2. EXTRA SERVICES AND SPECIAL CASES: If the Architects are caused extra drafting or other expense due to changes ordered by the Owner, (subsequent to acceptance of preliminary drawings and not necessary in order to award the construction contract) or due to the delinquency or insolvency of the Owner or Contractor, or as a result of fire, they shall be equitably paid for such extra expense and service involved.

ARTICLE 3. PAYMENTS: Payments to the Architects on account of

their fee shall be made as follows, subject to the provisions of Article 2:

a. Upon completion of the preliminary studies a sum equal to twenty per cent (20%) of the basic rate computed on a reasonable estimated cost.

b. Upon completion of working drawings and specifications a sum sufficient to increase payments on the fee to seventy-five per cent (75%) of the rate or rates of commission arising from this agreement, based on a reasonable estimated cost of the work covered by such completed drawings and specifications.

c. Upon final acceptance of the project by the Owner, a sum sufficient to complete payment of the total fee based on the actual cost of the work for which services were hereinbefore specified.

d. No deductions shall be made from the Architects' fee on account of penalty, liquidated damages, or other sums withheld from payments to contractors.

ARTICLE 4. SUPERVISION OF THE WORK: The Architects shall supervise the work to guard the Owner against defects and deficiencies in the work of the Contractors, but they do not guarantee the performance of the contracts.

ARTICLE 5. TERMINATION OF THE CONTRACT: In the event that the project is abandoned, or suspended indefinitely, this agreement may be terminated upon a thirty day written notice by the Owner to the Architects that the project is abandoned or suspended.

a. In the event of notice of termination at the completion of any given stage of the work as set forth in Article 3, the Architects shall be paid the portion of the fee stipulated for that stage of the work.

b. In the event of notice of termination at any time during the normal progress of the Architects' work, the Owner shall pay to the Architects a proportionally adjusted amount of the fee due as mutually agreed upon.

ARTICLE 6. PRELIMINARY ESTIMATES: When requested to do so, the Architects will furnish preliminary estimates on the cost of the work, but they do not guarantee the accuracy of such estimates.

ARTICLE 7. DEFINITION OF THE COST OF THE WORK: The cost of the work as herein referred to means the total cost to the Owner, but such

cost shall not include any attorney's, architect's, engineer's or consultant's fees and shall not include movable equipment.

ARTICLE 8. OWNERSHIP OF DOCUMENTS: Drawings and specifications as instruments of service are the property of the Architects, whether the work for which they were made be executed or not.

A complete set of reproducible drawings including all revisions and corrections and three sets of drawings and specifications including all revisions and corrections shall be provided the Owner.

ARTICLE 9. SUCCESSORS AND ASSIGNMENTS: The Owner and the Architects bind themselves, their partners, successors, executors, administrators, and assigns to the other party to this agreement and to the partners, successors, executors, administrators, and assigns of such other party in respect of all covenants of this agreement.

Except as above, neither the Owner nor the Architects shall assign, sub-let, or transfer his or their interest in this agreement without the written consent of the other.

FULL PERFORMANCE: The Owner and the Architects hereby agree to the full performance of the covenants contained herein.

IN WITNESS WHEREOF, the parties hereto have executed this agreement on the day and year first above written.

ATTEST:

OWNER:
BOARD OF DIRECTORS
TEXAS TECHNOLOGICAL COLLEGE

/s/ J. Roy Wells
Secretary

By: /s/ C. I. Wall
C. I. Wall, Chairman

ARCHITECTS:

CANTRELL AND BURNS

By: /s/ Bill W. Cantrell

STATE OF TEXAS §
 §
COUNTY OF LUBBOCK §

THIS AGREEMENT made the 22nd day of January, 1962, by and between the Board of Directors, Texas Technological College, Lubbock, Lubbock County, Texas, acting herein by and through C. I. Wall, Amarillo, Potter County, Texas, Chairman of the Board of Directors, hereinafter called the Owner and DeWitt and Spencer, Architects, of Lubbock, Lubbock County, Texas, hereinafter called the Architects.

WITNESSETH, that whereas the Owner intends to complete certain remodeling and rehabilitation of the Journalism Building on the campus of Texas Technological College, Lubbock, Texas.

NOW, THEREFORE, the Owner and the Architects for the consideration hereinafter named agree as follows:

The Architects agree to perform for the above named work professional services hereinafter set forth.

The Owner agrees to pay to the Architects for such services a fee of six per cent (6%) of the cost of the work, with other payments, and reimbursements and deductions as hereinafter provided, the said percentage being hereinafter referred to as the basic rate.

ARTICLE 1. THE ARCHITECTS' SERVICES: The Architects' professional services consist of the necessary conferences, preparation of preliminary studies, complete working drawings and specifications covering the architectural, structural, plumbing, heating and air conditioning, electrical and other mechanical phases of the work, large-scale and full-size detail drawings, assistance in drafting of forms of proposals and contracts, the issuance of certificates of payments, the keeping of accounts, the general administration of the business and supervision of the work.

ARTICLE 2. EXTRA SERVICES AND SPECIAL CASES: If the Architects are caused extra drafting or other expense due to changes ordered by the Owner, (subsequent to acceptance of preliminary drawings and not necessary in order to award the construction contract) or due to the delinquency or insolvency of the Owner or Contractor, or as a result of damage by fire, they shall be equitably paid for such extra expense and service involved.

ARTICLE 3. PAYMENTS: Payments to the Architects on account of their fee shall be made as follows, subject to the provisions of Article 2:

a. Upon completion of the preliminary studies a sum equal to twenty per cent (20%) of the basic rate computed on a reasonable estimated cost.

b. Upon completion of working drawings and specifications a sum sufficient to increase payments on the fee to seventy-five per cent (75%) of the rate or rates of commission arising from this agreement, based on a reasonable estimated cost of the work covered by such completed drawings and specifications.

c. Upon final acceptance of the project by the Owner, a sum sufficient to complete payment of the total fee based on the actual cost of the work for which services were hereinbefore specified.

d. No deductions shall be made from the Architects' fee on account of penalty, liquidated damages, or other sums withheld from payments to contractors.

ARTICLE 4. SUPERVISION OF THE WORK: The Architects shall supervise the work of the Contractors, but they do not guarantee the performance of the contracts.

ARTICLE 5. TERMINATION OF THE CONTRACT: In the event that the project is abandoned, or suspended indefinitely, this agreement may be terminated upon a thirty day written notice by the Owner to the Architects that the project is abandoned or suspended.

a. In the event of notice of termination at the completion of any given stage of the work as set forth in Article 3, the Architects shall be paid the portion of the fee stipulated for that stage of the work.

b. In the event of notice of termination at any time during the normal progress of the Architects' work, the Owner shall pay to the Architects a proportionally adjusted amount of the fee due as mutually agreed upon.

ARTICLE 6. PRELIMINARY ESTIMATES: When requested to do so, the Architects will furnish preliminary estimates on the cost of the work, but they do not guarantee the accuracy of such estimates.

ARTICLE 7. DEFINITION OF THE COST OF THE WORK: The cost of the work as herein referred to means the total cost to the Owner, but such

cost shall not include any attorney's, architect's, engineer's or consultant's fees and shall not include movable equipment.

ARTICLE 8. OWNERSHIP OF DOCUMENTS: Drawings and specifications as instruments of service are the property of the Architects, whether the work for which they were made be executed or not.

A complete set of reproducible drawings including all revisions and corrections and three sets of drawings and specifications including all revisions and corrections shall be provided the Owner.

ARTICLE 9. SUCCESSORS AND ASSIGNMENTS: The Owner and the Architects bind themselves, their partners, successors, executors, administrators, and assigns to the other party to this agreement and to the partners, successors, executors, administrators, and assigns of such other party in respect of all covenants of this agreement.

Except as above, neither the Owner nor the Architects shall assign, sublet, or transfer his or their interest in this agreement without the written consent of the other.

FULL PERFORMANCE: The Owner and the Architects hereby agree to the full performance of the covenants contained herein.

IN WITNESS WHEREOF, the parties hereto have executed this agreement on the day and year first above written.

ATTEST:

OWNER:
BOARD OF DIRECTORS
TEXAS TECHNOLOGICAL COLLEGE

/s/ J. Roy Wells
Secretary

By: /s/ C. I. Wall
C. I. Wall, Chairman

ARCHITECTS:

DeWITT AND SPENCER

By: /s/ Talmage DeWitt

CONTRACT FOR TESTING LABORATORY SERVICES

TEXAS TECHNOLOGICAL COLLEGE

LUBBOCK, TEXAS

THIS AGREEMENT, made this 17th day of February, in the year Nineteen Hundred Sixty-Two, by and between TEXAS TESTING LABORATORIES, INC., of Lubbock, Texas, hereinafter called the Laboratory, and TEXAS TECHNOLOGICAL COLLEGE, Lubbock, Texas, hereinafter called the Owner, Witnesseth that

WHEREAS, the Owner desires to engage the services of an accredited independent Testing Agency to make and supervise certain analyses, designs, and tests of materials to be utilized in the construction of Dormitory and Dining Facilities for Women in Lubbock, Texas, as described in the Specifications for such construction, which are hereby made a part by reference, and

WHEREAS, the Laboratory hereinabove named has been engaged in and now does such work and represents that it is fully equipped and staffed, competent and capable of performing the services above outlined, and is ready and willing to perform such work in accordance with the provisions of the Specifications above referred to, prepared by SCHMIDT & STUART, McMURTRY & CRAIG, AND STILES, ROBERTS & MESSERSMITH, ARCHITECTS AND ENGINEERS:

NOW, THEREFORE, IT IS MUTUALLY AGREED, by and between the aforesaid parties hereto, that for and in consideration of the prices set forth in the Laboratory's proposal dated December 5, 1961, which is attached hereto and made a part of this contract, the said Laboratory agrees to render all of the services of the several types and kinds referred to in the Specifications when and as requested by the Architects and Engineers so to do, in accordance with the terms of the Specifications and the requirements of the Architects and Engineers.

THE SAID LABORATORY further agrees to commence immediately the design of concrete mixtures and to perform the various other services included herein when and as required, but only when requested and authorized by the Architects and Engineers Superintendent.

AND THE SAID OWNER, in consideration of the full and true performance of the said services by the said Laboratory, hereby agrees and binds itself to pay to the said Laboratory the prices set forth in the attached proposal, upon certification thereof by the Architects and Engineers.

IN WITNESS WHEREOF, the parties hereto have executed this AGREEMENT on the date hereinbefore written.

WITNESS:

TEXAS TESTING LABORATORIES, INC.

/s/ Margaret Reid

By /s/ Paul D. Cretin

President
Title

WITNESS:

BOARD OF DIRECTORS
TEXAS TECHNOLOGICAL COLLEGE

(SEAL)

/s/ J. Roy Wells
Secretary
Board of Directors

By /s/ C. I. Wall

Chairman

TEXAS TESTING LABORATORIES, INC.

Lubbock, Texas
December 5, 1961

Office of the Supervising Architect
Texas Technological College
Lubbock, Texas

Project: Dormitory and Dining
Facilities for Women,
Texas Technological College
Lubbock, Texas

Gentlemen:

The following is to be considered our bid for testing and inspection
of materials on the above named project.

Laboratory control on concrete, one man:	
Sand-gravel concrete, per cu. yd.	\$0.50
Lightweight concrete, per cu. yd.	0.60

Concrete test cylinders:	
Making, picking up, curing and testing with concrete control, each	5.00

Cost of concrete mix designs are
included in concrete control.

Respectfully submitted:
TEXAS TESTING LABORATORIES, INC.

By: /s/ Julian R. Wise

Julian R. Wise, Manager
Physical Testing Dept.

SCHOOL OF ENGINEERING
TEXAS TECHNOLOGICAL COLLEGE

REPORT TO THE BOARD

December 9, 1961

The whole field of Engineering, and the School of Engineering at Texas Technological College specifically, has reached a point which is analogous with that supremely dramatic moment known in the arena as "the moment of truth".

The "moment of truth" is that instant when a man knows himself for what he is--when he stands revealed both to his own inner eye, and the eye of the world, as truly a man, or, pitifully, a coward.

This is the moment of truth for Engineering. We must know ourselves for what we are. Are we equal to the challenge which confronts us, or are we not? Are we to continue supinely in a position which we have long occupied, inviting no attitude more laudatory than mere tolerance, or are we to rise to this day's mountainous needs, facing the flinty reality of Russia's determined push toward domination of the world and Outer Space, and helping to lead the way in surpassing her most successful efforts? Are we to face the depressing reality that many of our young men of greatest promise are avoiding a field which once they felt to be one of the most rewarding; and the embarrassing fact that Tech is already breathing the dust of those institutions which have established, to some degree, the progressive changes which we have long known to be inevitable, but over which we yet mull and ponder?

Let us confront the truth of our own position. To progress, or to regress, this is our only choice. The delusion that one can maintain a status quo, however comfortable, is only that--a delusion--nothing more.

It has become obvious to educators throughout the country that the immense increases in the volume of knowledge, and the telescoping of time wrought by the international situation, make an expanded program in Engineering essential, and that the gradual and comparatively limited type of modification heretofore found adequate will no longer suffice. Indeed, acceleration of this revision of the college curriculum in Engineering is mandatory.

This rapidity of change which today necessitates the reorganization of Engineering curricula has placed an added responsibility upon the graduates of our Engineering schools, as well, in that however thorough his formal education may have been, a man must, of necessity, spend at least ten per cent of his time just keeping up with the latest developments; for, otherwise, at the end of ten years, the pristine graduate is more informed than he!

An aspect of Engineering education which must be given earnest consideration in any type of reorganization, is one which, in the past, has been very nearly ignored. This is the concept of the "whole man". It has required time for cognition of the fact that a liberal education, in the broadest sense of the term, indeed, is an essential to success in present-day Engineering. Once thought of as quite divorced from this field, those subjects which aid the individual in orienting himself successfully within the complex structure of modern society, i.e., literature, history, economics, and other branches of the humanities and social sciences, must be pursued by the Engineer, no less than by the practitioner of any other profession. In our educational pattern, we should stress the importance of the Engineer's entering into the activities of the community of which he is a part; of becoming active in those phases of city, state, and federal governmental functions which offer opportunities for a part in decision making in regard to technical developments which can, and will, change our very way of life.

It has been pointed out that in the Industrial Revolution power machinery was substituted for man's muscles; in the Analytical Revolution machinery was substituted for man's senses; and that we are now at the beginning of the Mental Revolution, in which machines can relieve some of man's thinking efforts. While many things that could not be done previously can now be done, and done economically; and while we cannot refuse to use the tools at our disposal, the Engineer must realize the consequences of their use, and must help to solve some of the problems which they raise. Technical advances invariably bring social problems. The reorientation of strata of semi-skilled labor comprises one; that of entire communities toward a given product or commodity, and its acceptance, another; the re-education of workers replaced by automation, a third. The fact that small New England mill towns have suddenly become electronic producers has not only created a new labor market vastly different from the old, but has posed tremendous educational problems to Industry, as well as to the public school system, and has required the adoption of an entirely new mental posture on the part of the general public. The end result of technological advances of the heroic magnitude of the atomic and hydrogen bombs is the necessity for a complete revolution in the point of view of the Nation as a whole.

As citizens, and as professionals, Engineers cannot simply ignore all of these social consequences. To take a position of leadership, the Engineer needs both motivation and ability, and he needs exposure and guidance in his education: exposure to wider fields of knowledge; motivation toward continued learning, growing, investigating, after leaving the campus; guidance into the realization that not every technical problem has a completely "right" or "wrong" answer; is either "black" or "white", but possesses many "gray" areas, for Engineering must recognize the human element involved. Failure to do so can confuse problems outside the physical realm, and it is here that the study of social science can be of great value. It can teach the Engineer that the criteria of his technical work--efficiency, economy, speed--are not universally applicable, or even acceptable, but are, in some cases, only distracting factors.

Perhaps the greatest change necessitated in the education of an Engineer, has occurred in the realms of the basic physical sciences, and higher mathematics. Continually increasing reliance upon these foundational subjects has established irrefutably the fact that the Engineer of today can no more expect to function without a sound, working knowledge of atomic and nuclear physics, differential equations, and computer technology, than he can circumvent the fundamental Engineering sciences of strength of materials and thermodynamics. To meet the demands of Industry, and to assure that the School of Engineering at Texas Technological College should keep abreast of these continually changing demands in Engineering education, the School began, approximately three years ago, an analytical study for the purpose of determining what was necessary to up-date and improve present curricula. Twelve different programs are being pursued, three in Architecture and Allied Arts; nine in Engineering. They are:

Architecture - Construction and Design Option; Advertising Art and Design; Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical, Petroleum, and Textile Engineering; and Engineering Physics.

The Architectural programs are accredited by the National Architectural Accreditation Board, of the American Institute of Architects. Six of the nine Engineering curricula have been inspected and accredited by the Engineers Council for Professional Development. Chemical and Agricultural Engineering, and Engineering Physics are not now accredited. We are moving rapidly toward the achievement of the necessary standards in these three curricula, however, with an inspection scheduled for April of this year. Quoting from one of the ECPD annual reports, an Engineering curriculum acceptable to the Council normally must be characterized by:

- I. At least the equivalent of one academic year of basic sciences, about half of which is mathematics beyond Trigonometry.
- II. At least the equivalent of approximately one year of Engineering sciences. These should provide breadth of coverage, and should not be limited to those having apparent specific relevance to the major field. Also, recognition should be given to

the emergence of new Engineering sciences. Because of the merging of boundaries between the basic and Engineering sciences, greater significance is attached to the depth and breadth of coverage in, and to the total curricula attention to, both of these areas than to the precise division between them.

Included in the Engineering sciences are:

- A. Properties of Materials
- B. Electrical Phenomena
- C. Mechanics of Solids
- D. Mechanics of Fluids
- E. Heat, Mass, and Momentum Transfer
- F. Thermodynamics

- III. At least the equivalent of approximately one-half of an academic year devoted to engineering analysis, design, and engineering systems.
- IV. Design of the curriculum for an integrated sequential study in the scientific and Engineering area, including both theory and the experimental method. Mathematics and basic sciences should be used effectively in the work in engineering analysis, in the study of engineering systems, and in the preparation for creative design.
- V. Depending upon the definition of humanistic-social studies, the equivalent of one-half year to one full year as the minimum content in the area of humanistic social studies. Of this content at least one-half year should be selected from such fields as history, economics, government, literature, sociology, philosophy, psychology, or the fine arts, and should not include such courses as accounting, industrial management, finance, personnel administration, or ROTC.

The previously mentioned study undertaken by the faculty of the School of Engineering has resulted in the creation of a "Core Curriculum" which gives considerably great-

er emphasis to the basic physical sciences, mathematics, and the theoretical approach to the Engineering sciences. Effective in September, of 1962, all Engineering students, regardless of choice of major, will be required to enroll in the "Core Curriculum", a program engaging them for their initial two years. Upon the successful completion of these first two years, the student will proceed to his choice of major, and will receive, in the individual Engineering fields, the high degree of specialization so necessary to the complex technology of today. The primary advantage of the "Core Curriculum" will be that of allowing all Engineering students a two-year period in which to discover their special fields of interest. The secondary advantage is that it will allow, during the Junior and Senior years, the various departments to concentrate their course offerings, and thus to perform more effective specialization. It is within this Junior and Senior year specialization that our need for many new courses has arisen. The need will continue for a number of years, if, indeed, it ever ceases, and we feel confident that the Board will grant our requests for the addition of new technological courses to our curriculum as it develops.

The "Core Curriculum", i.e., the Freshman and Sophomore years, consists of the following courses:

CORE CURRICULUM

FRESHMAN YEAR

	1st Sem.	2nd Sem.
Analytics	3	
Calculus I	3	
College Rhetoric	3	
Engineering Graphics	3	
Physics	4	
Calculus II		3
Calculus III		3
College Rhetoric		3
Engineering Graphics		3
Physics II		4
	16 + P.E.	16 + P.E.

SOPHOMORE YEAR

	1st Sem.	2nd Sem.
Math for Engineers	3	
Physics III	4	
Statics	3	
Prin. of E.E. I	3	
General Chemistry	4	
Math for Engineers		3
Finite Math Struc.		3
Dynamics		3
Prin. of E.E. II		3
General Chemistry		4
	<hr/> 17 + P.E.	<hr/> 16 + P.E.

PLUS

Engineering Materials Science	3
Engineering Thermodynamics	3
Strength of Materials	3

A scrutiny of the above curriculum will indicate the emergence of an entirely new concept of mathematical study for presentation to the entering Freshman. No longer will he pursue the basic subjects of Algebra and Trigonometry in college for the Engineering Degree; instead, he will at once embark upon Analytics and Calculus. This move on the part of the School of Engineering at Texas Technological College is being coordinated with all of the state supported institutions of higher education in both this state and that of Oklahoma. The "Core Curriculum" is so arranged as to provide a substantial foundation of Chemistry, Physics, Mathematics, Thermodynamics, English, Engineering Graphics, Network Theory and Circuits, Engineering Properties of Materials, and the engineering mechanics of fluids and solids; thus, the student completing the "Core Curriculum" will be thoroughly prepared to enter the specialization aspect of his chosen field.

The reorientation of each curriculum in the School of Engineering to mesh with the "Core Curriculum" and to concentrate specialization in the Junior and Senior years, has resulted in the need for changes in content of some courses; the deletion of certain others; and the creation of new ones. In effecting this evolution, practically every department has been able to re-focus its own objectives, as well as the content of each course offering. The result of this examination has been a considerable tightening of subject material, with much that was extraneous being jettisoned. In addition, a complete realignment of "fields" of study has occurred in most of the departments of the School of Engineering.

In toto, these analyses have produced a new Engineering philosophy, and have created, interestingly enough, a high degree of enthusiasm, on the part of the faculty, for moving into the new areas of technology.

The results of the changes will be far reaching. At least three years will be required for the School to move completely into the new curriculum, and, undoubtedly, many minor adjustments will have to be made during this transition, to ensure maximum attainment of the objectives of the curriculum study. One thing is certain: the School of Engineering at Texas Tech will definitely move into the forefront of the field of Engineering education in the Southwest. No longer will being "one of the gang" suffice. We shall be in the educational vanguard, and we will dispel the mediocrity with which our future is threatened.

The first effect of this new program may be a slight drop in Engineering enrollment. The second, and more important, will be not only a recovery of our enrollment figures, but the attraction of top level students. Tertiary benefits of no mean significance will be a resurgence of vitality within our staff, and greatly increased prestige for the School, with a considerably enlivened interest on the part of the public, and on that of gifted students now leaving the state for schools already manifesting this progressive character.

One of the best ways in which to judge trends in enrollment, is to look at the figures indicating Freshman acceptance of fields of study. Engineering figures, and a graph based upon

them (Table 1, Figure 1) both as they pertain to the Nation as a whole, and as they pertain to Texas Tech in particular, are presented.

It is interesting to note that in 1953 Texas Tech garnered above one per cent of the total Freshman enrollment in ECPD approved institutions in the country, and we have consistently remained above the one per cent level since that time. This year, while the nationwide figures on Freshman enrollment in Engineering once again have dropped, as they have done for the last four years, Engineering schools in the Mid-South and Far-West have experienced an increased Freshman enrollment, the Southwest has almost maintained last year's figure, and Texas Tech, encouragingly enough, has increased its enrollment by several per cent.

But what are the trends in Engineering education which will materially affect our operation, and our position among the institutions of higher learning; and what does the next decade hold in store for us here at Texas Tech? We immediately recognize the trend of population movement to the Southwest and West, and the subsequent increase which college enrollment will reflect. This was evinced this year. Already a general reawakening of interest in Engineering education on the part of high school graduates is occurring. We see this, also, in the increased Freshman enrollment figures this year for the School of Engineering. The nationwide general forecast figures on Freshman enrollment indicate a general pattern of increase closely paralleling that manifested during the first half of the 1950's, with enrollment of approximately 100,000 estimated for 1970. Assuming that Texas Tech shares this trend, we shall be enrolling approximately 1,250 Freshmen in the early 1970's. If our rate of growth is the same as in the early 1950's, however, which seems highly probable, our figure will move upward to near that of 1,500. The general interest in the applied sciences will continue to boost Freshman enrollment in chemistry, physics, and mathematics. It is believed, however, that during the last half of this decade, a general leveling of this growth pattern will occur, and will be explicable by a general saturation of the field of pure, or fundamental scientific research. Emphasis upon the applica-

FRESHMAN ENROLLMENT

YEAR	USA - ENGINEERING (ECPD INSTITUTIONS)	TTC - ENGINEERING	TTC-PHYS, CHEM and MATH MAJORS
1951	34,147	306	24
1952	45,854	409	19
1953	52,482	547	27
1954	55,531	648	31
1955	61,141	746	67
1956	66,409	916	81
1957	67,071	928	59
1958	59,164	824	119
1959	58,155	736	122
1960	57,865	632	146
1961	56,187	653	178

Table 1

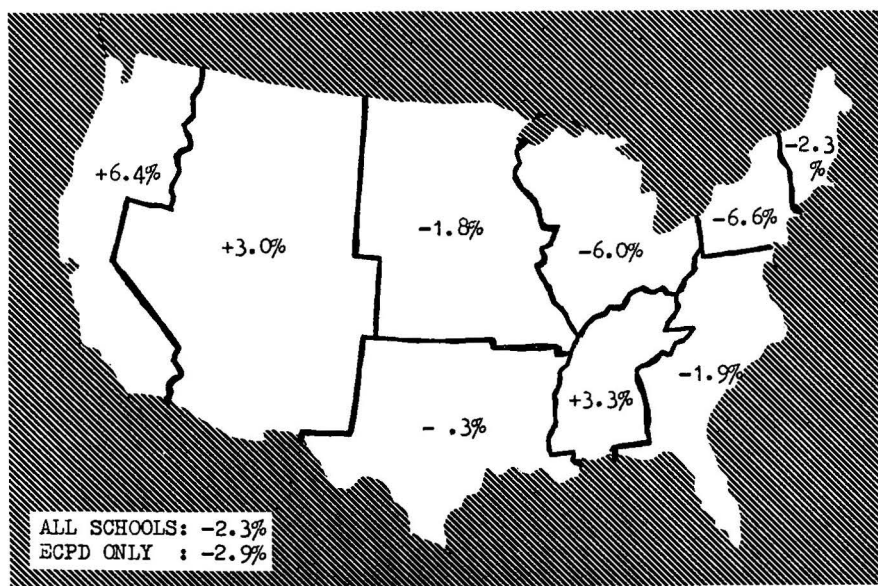
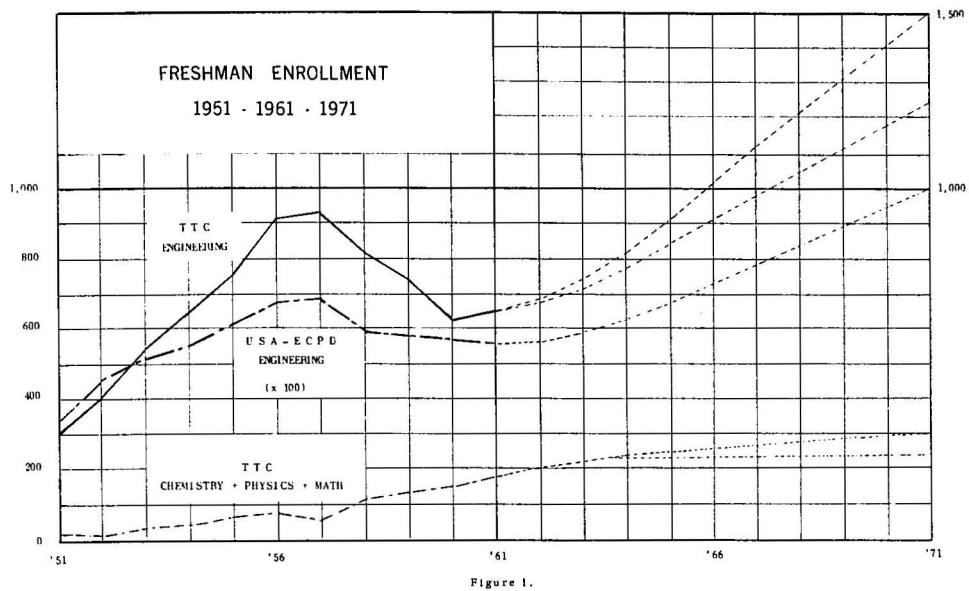


Figure 2, FRESHMAN ENGINEERING ENROLLMENT 1961 - 1962

tion of new scientific discoveries will continue at an ever increasing rate, bringing about an intensified search for men educated in the applied sciences, and particularly for those with backgrounds in Engineering research.

Another facet of this educational complex is the meteoric rise of the technical institute into what once was solely the realm of Engineering. The pressures being exerted in the direction of a more theoretical approach in Engineering education have already brought about technical institutes functioning at levels well above those occupied by schools of Engineering twenty years ago.

The recent support to the Engineering Technician Program by the Federal Government under the National Defense Education Act will stimulate the growth of the technical institute type of education further. As a consequence, it will no longer be necessary to train Engineers for the technically skilled jobs in their field, or to include in an Engineer's education courses in the arts of Engineering, or the development of certain technical skills. Already we have seen a decline in the importance of Engineering Drawing and shop work. A similar decline is occurring in routine machine operation in Mechanical Engineering; in surveying in Civil Engineering; in time and motion studies in Industrial Engineering; and in comparably routine skills in all other branches of Engineering.

While we do not believe that there will be any change in the length of time required for the acquisition of the Baccalaureate Degree, we do believe that men who are planning to work in Engineering Design, research, or development, need a minimum education of five years, culminating in the Master's Degree.

Graduate study is the most important of all facets of Engineering education. The rapidity of technological developments has greatly enhanced the value of Engineering and science Ph.D.'s. The possessor of the Bachelor's Degree is primarily concerned with, and capable of, applying standardized solutions to routine problems; the Ph.D. is prepared, and expected to, suggest new approaches in the solutions of unusual ones developing out of new avenues of experimentation and research.

Because the yield of Ph.D.'s has been so limited, the attack upon new problems has been seriously retarded. While possessors of the Master's Degree have accomplished more in development work than those with only the baccalaureate, the percentage of these who excel at solving new problems is much lower than is that of holders of the Ph.D., for this ability is the fruit of from one to three years of work devoted to the solution of the research problem which will comprise the subject of the degree dissertation. The candidate has received training by an expert whose ability is on a par with that found anywhere in the world.

The number of prospective Ph.D.'s studying in the field of Engineering is woefully small, and a fact which makes the picture even more dismal, is that more and more foreign nationals are enrolled in American schools and studying for the doctorate; thus, while the total number of doctoral degrees awarded each year is moving upward, the number of American students, individuals brought up under American principles, and having bred into them a certain philosophy of industrial operation, is diminishing. We certainly do not propose to shut the door against foreign nationals; in fact, we should like to have more of them receiving Engineering training in American colleges and universities. The basic philosophy of life in any foreign country, however, no matter how closely allied with, and friendly to, the United States, is radically different from our own, and this difference shows up vividly in the approach to solutions of today's complex industrial problems. The foreign national has been conditioned by his environment, so it is only logical that his approach to a problem should differ, and should involve, in many instances, radical departures from the American concept.

The general need for more Ph.D.'s is self-evident. Here at Texas Tech, it is critical. In 1951, with a staff of 58, we had only five Ph.D.'s. Today, we are fortunate in having, with a staff of 80, 10 Ph.D.'s, a figure which, in regard to percentage, does not represent an impressive increase. If we are to develop an outstanding staff in the Engineering School, and if we are to maintain pace with enrollment figures, we must double our staff during the next ten years (refer Table 2).

ENGINEERING FACULTY RECRUITMENT

Terminal Degree	1951	1956	1961	1966	1971
B.S.	22	19	32	30	30
M.S.	31	31	38	45	50
Ph.D.	<u>5</u>	<u>4</u>	<u>10</u>	<u>45</u>	<u>80</u>
	58	54	80	110	160

Table 2

A scrutiny of the figures indicates that we must initiate, immediately, an active recruitment program which will allow us to engage at least seven Ph.D.'s per year, for the next decade.

We have all come a long way, for this century has evinced a rate of economic, scientific, and engineering progress almost certainly unequaled by any other like period in human history. Yet, suddenly, with the development of Space programs, the magnitude of which the imagination only haltingly comprehends, we find ourselves once again in almost precisely the same position, speaking comparatively, as at the beginning of the century.

To put it yet another way, might not our present complex traffic problems, for instance, have been averted to a considerable extent, had a longer range view been adopted 40 years ago? Certainly, since the Engineers whom we shall be graduating now will be those who will have achieved posts of influence by the year 2,000, the responsibility for preparing them for the burgeoning requirements of their time is clear.

While it is true that the equipment with which we teach these Engineers will, undoubtedly, become outmoded during the next 40 years, nevertheless, the principles involved will remain the same; and it is the inculcation of principles with which we are most concerned.

We have not only to prepare for the needs of the Engineering world as it now is, but, taking into account the velocity at which events are moving, for the needs of the Engineering world as it will be forty years hence. This is neither academic or illusory, but a hard and irrefutable fact, for the Engineers who will be practicing in the twenty-first century are in school today.

What do we need to do, then? What must we do to assure that we do not regress? Already we have started the gradual upgrading of the total course content by the initiation of the Core Curriculum. Next, we must continue, actively, to seek new, young talent; men of vision--men of research. Further, we must increase and strengthen materially our graduate program on the Master's level; and then, we must begin immediately to lay the foundation for a new and unique interdisciplinary doctoral program in Engineering.

The great need of this country for Engineering education at the graduate level, is for men who are well trained in the techniques of research, in order that they may apply these to the host of undefined problems which Industry will face in the coming years. One sees ahead, "as through a glass, darkly," a year such as, approximately, 1970, when there will be a demand for Ph.D.'s which far surpasses that for Master's today. By then the Master's Degree will have replaced the B.S. for Engineers who plan a career of responsibility for action in their field.

Certainly it will not detract from the achievements of the scientists, or those of Alan Shepard and Gus Grissom, to examine the fact that it was the Engineers who designed their vehicles, and were in a position to predict what would be happening to them during every second of their flights; that without the achievements of the Engineers, there could have been no spectacular adventures into Space. While the scientific principles which govern Space flight are few and simple, the engineering applications of those principles in achieving successful flight are almost incredibly complex. As just one example: how is it possible to design a thing that will tell a man in a tumbling Space vehicle exactly where he is at any instant of time? The ability to design this, and the entire complex vehicle, and to predict its performance before it ever leaves the ground, is one of the many exhilarating aspects of the conquest of Space. It is the most sophisticated talent ever possessed by the human race; and it is the talent which belongs exclusively to the Engineer.

All is not well in our world, but Engineering research and graduate research training have proved to be of fantastic value. We have the techniques for research training; we have the equipment for a considerable amount of research. Let us utilize these factors in filling the vital needs of Industry; the desperate needs of survival; the tragic needs of the under-developed nations of the world. The Engineer could ask for no greater pinnacle of professional achievement.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Budget for Research Contract No. AT-(40-1)-2482
United States Atomic Energy Commission
Project: "The Chemistry of the Solvated
Metal Chelates and Uranium"
For the period, February 1, 1962 through January 31, 1963

<u>Estimated Income:</u>	<u>1962</u>
Modification to United States Atomic Energy Commission Contract No. AT-(40-1)-2482 -----	\$ <u>12,943.00(a)</u>
Total Estimated Income -----	\$ <u>12,943.00</u>

<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Wesley William Wendlandt -----	\$ -0-
Research Assistant	
Guy Robert Horton -----	2,400.00(b)
Student Assistants and/or Part-time Help -----	600.00
OASI -----	93.75
Maintenance, Equipment and Travel -----	8,891.25
Indirect Cost (Overhead) -----	<u>958.00</u>
Total Estimated Expenses -----	\$ <u>12,943.00</u>

(a) The College Matching Funds for this Project total \$2,473.00
and are not included in the total given above.

(b) Contract dated February 1, 1962 through January 31, 1963.

TEXAS TECHNOLOGICAL COLLEGE
Report on Small Classes
Organized Classes Only, 1962 Spring Semester
As of the 12th Class Day (February 10, 1962)

Reported by Program, Course Number, Course Title, Enrollment and Justification

Justification Code: The following justification statements are those most frequently used by academic institutions and appear to cover a majority of classes listed in past small class reports. Some classes may require more than one code. If necessary, use an additional sheet for listing the statements of justification.

1. Required course for graduation in one or more baccalaureate degree programs. The course is not offered each semester or term, and if cancelled, may affect date of graduation of those enrolled.
2. Required course for graduating seniors in one or more degree programs.
3. Required course for majors in this field and should be completed this semester (or term) to keep proper sequence in courses.
4. Course for which students pay a supplementary fee, and the usual requirements of class size are not considered applicable. (Example: Class Instruction in Applied Music or Applied Arts.)
5. Limited laboratory facilities make it necessary to establish an additional section of this course.
6. Course in a small department which offers the minimum number of courses consistent with the maintenance of a balanced departmental program.
7. Graduate course that is required for completion of an advanced degree.
8. Interdepartmental course meeting with the same course in another department.
9. Others (please specify) (a) Workshop--enrollment incomplete on the 12th class day. (b) Class meets with another class at the same hour. (c) Class for students from other countries. (d) Dropped below 10 after close of registration. (e) Laboratory only--facilities limited.

Program, Dept., Course and Sec- tion Number	Course Title	Credit Value	Enrollment		Code
			Under- grad.	Grad.	

Liberal Arts

Journalism 336-1	Advanced Reporting	3	8	-	6
Journalism 336-A	Advanced Reporting (Lab)	0	8	-	6
Psychology 4314-1	The Human Element in Engineering	3	8	1	2
Psychology 5322-1	Advanced Physiological Psychology	3	1	3	7
Speech 437-1	Persuasion	3	7	2	3
Greek 132-1	A Beginning Course in Greek	3	5	-	6

Sciences

Bacteriology 332-B	Principles of Bacteriology (Lab)	0	8	1	3
Bacteriology 433-1	Physiology of Bacteria	3	3	-	3
Bacteriology 433-A	Physiology of Bacteria (Lab)	0	3	-	3

Program, Dept., Course and Sec- tion Number	Course Title	Credit Value	Enrollment		Code
			Under- grad.	Grad.	
<u>Sciences (Continued)</u>					
Chemistry 235-1	Hydrocarbon Chemistry	3	8	-	1
Chemistry 342-1	Physiological Chemistry	4	5	1	3
Chemistry 342-A	Physiological Chemistry (Lab)	0	5	1	3
Chemistry 420	Chemical Literature	2	1	-	2
Chemistry 4311-1	Colloid and Surface Chemistry	3	3	2	2
Chemistry 4311-A	Colloid and Surface Chemistry (Lab)	0	3	2	2
Chemistry 432-1	Advanced Organic Chemistry	3	6	1	2
Chemistry 437-A	Biological Chemistry II (Lab)	0	8	-	2
Geology 336-1	General Paleontology	3	7	-	3
Geology 336-A	General Paleontology (Lab)	0	7	-	3
Geology 4315-1	Paleozoic, Mesozoic, Cenozoic Stratigraphy	3	2	2	2
Geology 432-1	Optical Mineralogy and Petrography	3	5	2	2
Geology 432-A	Optical Mineralogy and Petrography (Lab)	0	5	2	2
Geology 433-1	Petroleum Geology	3	9	-	2
Geology 435-1	Stratigraphic Paleontology	3	5	1	2
Geology 435-A	Stratigraphic Paleontology (Lab)	0	5	1	2
Geology 511-1	Graduate Seminar	1	-	3	7
Physics 315-A	Intermediate Laboratory	1	9	-	9e
Physics 341-B	Electronics (Lab)	0	7	-	5
<u>Fine Arts</u>					
Allied Arts 4213-A	Commercial Illustration II	2	9	-	2
Allied Arts 427-A	Advanced Painting	2	9	-	2
Allied Arts 434-A	Commercial Design II	3	8	-	2
Applied Music 1124-1	Piano	1	6	-	4
Applied Music 1124-2	Piano	1	3	-	4
Applied Music 1124-3	Piano	1	3	-	4
Applied Music 1124-4	Piano	1	7	-	4

Program, Dept., Course and Sec- tion Number	Course Title	Credit Value	Enrollment		Code
			Under- grad.	Grad.	
<u>Fine Arts (Continued)</u>					
Applied Music 114-1	Percussion	1	4	-	4
Applied Music 2114-1	Voice	1	3	-	4
Applied Music 2124-1	Pinao	1	3	-	4
Applied Music 214-1	Strings	1	2	-	4
Applied Music 313-1	Brass Instruments	1	3	-	4
Applied Music 314-1	Brass Instruments	1	3	-	4
Applied Music 414-1	Woodwinds	1	8	-	4
Music Ensemble 013-C	Stage Band	1	1	-	9b
Music Ensemble 313-D	Stage Band (a)	1	8	-	9b
Music Theory 134-B	Elementary Theory (Lab)	0	9	-	9d
Music Theory 134-C	Elementary Theory (Lab)	0	8	-	9d
<u>Agriculture</u>					
Agricultural Engineering 437-A	Design of Farm Irrigation Systems (Lab)	0	9	-	1
Agronomy 4312-1	Crop Production	3	8	-	2
Agronomy 4312-A	Crop Production (Lab)	0	8	-	2
Agronomy 436-1	Soil Chemistry	3	4	1	1
Agronomy 511-1	Agronomy Seminar	1	-	2	7
Animal Husbandry 232-C	Meats and Meat Products (Lab)	0	9	-	5
Animal Husbandry 439-1	Hormones in Animal Production	3	5	2	2
Poultry Husbandry 433-1	Caged Egg Production	3	4	1	2
Dairy Industry 231-1	Testing Dairy Products	3	9	-	6
Dairy Industry 231-A	Testing Dairy Products (Lab)	0	9	-	6
Dairy Industry 314-A	Advanced Dairy Products Judging	1	6	-	6
Dairy Industry 322-1	Marketing Dairy Products	2	7	-	6
Dairy Industry 335-1	Dairy Bacteriology	3	7	-	6
Dairy Industry 335-A	Dairy Bacteriology (Lab)	0	7	-	6
Dairy Industry 338-1	Dairy Plant Equipment	3	6	-	6

Program, Dept., Course and Sec- tion Number	Course Title	Credit Value	Enrollment		Code
			Under- grad.	Grad.	
<u>Agriculture (Continued)</u>					
Dairy Industry 338-A	Dairy Plant Equipment (Lab)	0	6	-	6
Dairy Industry 411-1	Dairy Seminar	1	8	-	6
Dairy Industry 422-1	Condensed and Powdered Milk	2	8	-	6
Dairy Industry 433-1	Ice Cream Making	3	8	-	6
Dairy Industry 433-A	Ice Cream Making (Lab)	0	8	-	6
Dairy Industry 435-1	Dairy and Food Inspection	3	9	-	6
Dairy Industry 435-A	Dairy and Food Inspection (Lab)	0	9	-	6
Entomology 334-1	Insect Morphology	3	5	-	3
Entomology 334-A	Insect Morphology (Lab)	0	5	-	3
Entomology 4312-1	Acarology	3	3	2	3
Entomology 4312-A	Acarology (Lab)	0	3	2	3
Horticulture 410-1	Seminar	1	8	-	2
Horticulture 436-1	Advanced Floricultural Science	3	7	1	1
Horticulture 436-A	Advanced Floricultural Science (Lab)	0	7	1	1
Horticulture 442-1	Landscape Design	4	9	-	2
Horticulture 442-A	Landscape Design (Lab)	0	9	-	2
<u>Engineering</u>					
Architecture 122-F	Freehand Drawing II	2	9	-	9d
Civil Engineering 4314-1	Sanitary Engineering Design -- Sewage	3	8	1	2
Civil Engineering 4314-A	Sanitary Engineering Design -- Sewage (Lab)	0	8	1	2
Civil Engineering 532-1	Theory of Elasticity	3	-	4	7
Civil Engineering 535-1	Dams and Reservoirs	3	1	3	7
Electrical Engineering 4213-A	Electric Energy Conversion Laboratory	2	8	-	2
Electrical Engineering 532-1	Advanced Amplifier Theory	3	-	3	7

Program, Dept., Course and Sec- tion Number	Course Title	Credit Value	Enrollment		Code
			Under- grad.	Grad.	
<u>Engineering (Continued)</u>					
Industrial Engineering 512-1	Industrial Engineering Graduate Seminar	1	-	4	7
Engineering Seminar 412-F	Engineering Seminar (Lab)	0	7	-	2
Petroleum Engineering 320-1	Well Logging Methods	2	9	-	3
Petroleum Engineering 333-1	Petroleum Production Methods	3	7	-	3
Petroleum Engineering 333-A	Petroleum Production Methods (Lab)	0	7	-	3
Engineering Seminar 412-4	Engineering Seminar	1	9	-	2
Textile Engineering 338-1	Principles of Fiber Processing II	3	2	-	3
Textile Engineering 338-A	Principles of Fiber Processing II (Lab)	0	2	-	3
Textile Engineering 431-1	Fabric Analysis and Advanced Design	3	3	-	2
Textile Engineering 431-A	Fabric Analysis and Advanced Design (Lab)	0	3	-	2
Textile Engineering 432-1	Man-made Fibers	3	5	-	2
Textile Engineering 435-1	Textile Finishing	3	6	-	2
<u>Physical Training</u>					
Physical Education 534-1	Administration of the School Health Program	3	-	4	7
<u>Business Administration</u>					
Accounting 4313-1	Advanced Cost Accounting	3	7	2	2
Marketing 4319-1	Advertising Internship	3	5	-	2
Marketing 4319-A	Advertising Internship (Lab)	0	5	-	2
Marketing 532-1	Advanced Marketing Research	3	-	4	7

(a) Taught with Music Ensemble 313-C.

APPROVAL OF SMALL CLASSES
1962 SPRING SEMESTER

Approved by the Board of Directors of Texas Technological College on
February 17, 1962.

BOARD OF DIRECTORS
TEXAS TECHNOLOGICAL COLLEGE

By /s/ C. I. Wall
Chairman

* * * * *

I, J. Roy Wells, Secretary of the Board of Directors of Texas Techno-
logical College, do hereby certify that the Small Class Report for the 1962 Spring
Semester was approved by the Board of Directors of Texas Technological College on
February 17, 1962.

Witness my hand this the 17th day of February, 1962.

/s/ J. Roy Wells
Secretary, Board of Directors

(SEAL)

RESOLUTION APPROVING A LOAN AGREEMENT
WITH THE UNITED STATES OF AMERICA

Project No.: CH-Tex-150(D)

WHEREAS, there has been filed with the Housing and Home Finance Agency by the Board of Directors of Texas Technological College, acting for and on behalf of Texas Technological College (herein called the "Borrower"), an application for aid in financing college housing under the provisions of Title IV of the Housing Act of 1950, as amended, and THE UNITED STATES OF AMERICA, Housing and Home Finance Administrator, has transmitted to the Borrower for consideration a Loan Agreement tendering such aid, dated December 1, 1961, in connection with the Project referred to in said application and generally described in said Agreement; and

WHEREAS, said Agreement has been duly read, fully considered in accordance with all pertinent rules of procedure and legal requirements, and made a part of the Borrower's records; and

WHEREAS, it is deemed advisable that said Agreement be accepted;

NOW, THEREFORE, be it resolved by the Board of Directors of the Borrower that the said Agreement, a true and correct copy of which is hereto attached, be and the same hereby is accepted without reservation or qualification, and the proper officials of the Borrower are authorized to execute documents evidencing such acceptance and take such further action as is necessary to provide the project.

ADOPTED AND APPROVED by the Board of Directors of the Borrower on the 17th day of February, 1962.

(SEAL)

ATTEST

/s/ C. I. Wall
C. I. Wall, Chairman
Board of Directors

/s/ J. Roy Wells
J. Roy Wells, Secretary
Board of Directors

CERTIFICATE OF RECORDING OFFICER

I, the undersigned, the duly qualified and acting Secretary of the Board of Directors of Texas Technological College (herein called the "Borrower") and the keeper of the records of the Borrower, including the Journal of Proceedings of the Board of Directors (herein called the "Board"), do hereby certify:

1. That the attached Resolution is a true and correct copy of the Resolution as finally adopted at a meeting of the Board held on the 17th day of February, 1962, and duly recorded in my office;

2. That said meeting was duly convened and held in all respects in accordance with law and to the extent required by law due and proper notice of such meeting was given; and a legal quorum was present throughout the meeting, and a legally sufficient number of members of the Board voted in the proper manner and for the adoption of said Resolution; that all other requirements and proceedings under the law incident to the proper adoption or passage of said Resolution, including publication, if required, have been duly fulfilled, carried out, and otherwise observed; and that I am authorized to execute this certificate.

IN WITNESS WHEREOF, I have hereunto set my hand this 17th day of February, 1962.

(SEAL)

/s/ J. Roy Wells
J. Roy Wells, Secretary
Board of Directors

TEXAS TECHNOLOGICAL COLLEGE
Department of Geology
Project: "Basic English Terminology for
the International Tectonic Dictionary"
For the period, February 1, 1962 through January 31, 1963

<u>Estimated Income:</u>	<u>1962</u>
National Science Foundation Grant NSF-G21958 -----	\$ <u>11,400.00</u>
Total Estimated Income -----	\$ <u><u>11,400.00</u></u>
 <u>Estimated Expenses:</u>	 <u>1962</u>
Principal Investigator	
John Gordon Dennis -----	2,800.00(a)
Research Assistant	
_____ -----	4,800.00
Student Assistants and/or Part-time Help -----	-0-
OASI -----	237.50
Maintenance, Equipment and Travel -----	1,662.50(b)
Indirect Cost (Overhead) -----	<u>1,900.00</u>
Total Estimated Expenses -----	\$ <u><u>11,400.00</u></u>

(a) Salary from February 1, 1962 through August 31, 1962, \$1,750.00;
salary from September 1, 1962 through January 31, 1963 (30%),
\$1,750.00.

(b) Allocation for Travel -- \$900.00.

TEXAS TECHNOLOGICAL COLLEGE
Department of Agronomy
Project: "Thin Section Preparation and Interpretation"
For the period, February 1, 1962 through January 31, 1963

<u>Estimated Income:</u>	<u>1962</u>
Grant from The Rockefeller Foundation, 111 West 50th Street, New York City 20, New York -----	\$ <u>1,000.00</u>
Total Estimated Income -----	\$ <u>1,000.00</u>

<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Bonnie L. Allen -----	\$ -0-
Research Assistant	
-----	-0-
Student Assistants and/or Part-time Help -----	493.00
OASI -----	15.41
Maintenance, Equipment and Travel -----	491.59(a)
Indirect Cost (Overhead) -----	-0- (b)
Total Estimated Expenses -----	\$ <u>1,000.00</u>

(a) Budgeted allocation for Travel -- \$200.00.

(b) This Foundation will not allow the overhead charge.

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "The Reduction of Potassium Octacyanorhenate (V)
With Potassium in Liquid Ammonia"
For the period February 1, 1962 through August 31, 1962

<u>Estimated Income:</u>	<u>1962</u>
Research Corporation Grant -----	\$ <u>1,032.57</u>
Total Estimated Income -----	\$ <u><u>1,032.57</u></u>

<u>Estimated Expenses:</u>	<u>1962</u>
Principal Investigator	
Richard J. Thompson -----	\$ -0-
Research Fellowship -----	-0-
Student Assistants and/or Part-time Help -----	-0-
OASI -----	-0-
Maintenance, Equipment and Travel -----	1,032.57
Indirect Cost (Overhead) -----	<u>-0-</u>
Total Estimated Expenses -----	\$ <u><u>1,032.57</u></u>

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "Synthesis of Complex Rhenium Compounds"
For the period, February 1, 1962 through April 30, 1962

<u>Estimated Income:</u>	<u>1961-62</u>
The Robert A. Welch Foundation Grant No. D-_____	\$ <u>1,687.79</u>
Total Estimated Income -----	\$ <u><u>1,687.79</u></u>

<u>Estimated Expenses:</u>	<u>1961-62</u>
Principal Investigator	
Richard John Thompson -----	\$ -0-
Pre-doctoral Fellowships	
_____ -----	-0-
Undergraduate Scholarships	
_____ -----	-0-
OASI -----	-0-
Maintenance, Equipment and Travel -----	1,534.35
Indirect Cost (Overhead 10%) -----	<u>153.44</u>
Total Estimated Expenses -----	\$ <u><u>1,687.79</u></u>

TEXAS TECHNOLOGICAL COLLEGE
Department of Chemistry
Project: "Synthesis of Complex Rhenium Compounds"
For the period, May 1, 1962 through April 30, 1963

<u>Estimated Income:</u>	<u>1962-63</u>
The Robert A. Welch Foundation Grant No. D-_____	\$ <u>12,000.00</u>
Total Estimated Income -----	<u><u>12,000.00</u></u>

<u>Estimated Expenses:</u>	<u>1962-63</u>
Principal Investigator	
Richard John Thompson -----	\$ 2,600.00(a)
Pre-doctoral Fellowships	
_____ -----	1,500.00(b)
_____ -----	1,500.00(b)
Undergraduate Scholarships	
_____ -----	600.00(b)
_____ -----	600.00(b)
OASI -----	81.25
Maintenance, Equipment and Travel -----	4,118.75
Indirect Cost (Overhead) -----	<u>1,000.00</u>
Total Estimated Expenses -----	\$ <u><u>12,000.00</u></u>

(a) For the period, June 1, 1962 through August 31, 1962.

(b) For twelve months.

AMENDMENT NO. 1 TO CONTRACT NO. 12-25-010-2640
Between the
UNITED STATES DEPARTMENT OF AGRICULTURE
and the
TEXAS TECHNOLOGICAL COLLEGE

for

Evaluation of Spinning and Finishing Performance
of Cotton as Related to Color

WHEREAS, Contract No. 12-25-010-2640 dated January 11, 1961, between the United States Department of Agriculture and the Texas Technological College, a public State institution, with offices in Lubbock, Texas, provides for studies to evaluate spinning and finishing performance of cotton as related to color, and

WHEREAS, preliminary work done on this contract reveals that it is desirable for the Department to select the bales of cotton to be used in the study on the basis of grade and staple classification, and color and fiber tests determined to be essential, and

WHEREAS, the Contractor in lieu of these selection duties will visit gins as required in order to obtain complete ginning history of the bales identified by the Department. This will include contacting merchandisers and handlers in order to trace, locate and obtain the specified bales which have moved into channels of trade.

NOW, THEREFORE, it is agreed between the Contractor and the Department that Contract No. 12-25-010-2640 is hereby amended as follows:

Page 2, beginning with "The Contractor shall:" delete the remainder of the page except for the certification under the asterisk; delete all of pages two and three; and insert therefor the following:

- "A. The Department, through its Cotton Division, Agricultural Marketing Service, will select the bales to be used in the study on the basis of grade and staple classification, and color and fiber tests determined to be essential. The Contracting Officer's designated representative will inform the Contractor of the procedures and criteria the Department will use in selecting the bales, and will provide the Contractor bale identification numbers representing the grades specified in B. 1, below, from which the Contractor will obtain bales of known history sufficient to carry out the study. The Department will also inform the Contractor of the color, grade, Micronaire and Pressley results for each bale identification number furnished."

"B. The Contractor shall:

Diligently conduct investigations designed to evaluate the spinning and finishing performance of white, gray, spotted and tinged grade classifications of cotton.

1. Based upon information and direction received from the Contracting Officer's designated representative, four bales of cotton of known history will be obtained from the Lubbock, Texas, area from the 1961 and 1962 crop years, respectively, for each of the following grade classifications:

<u>Lt. Gray</u>	<u>White</u>	<u>Lt. Spot</u>	<u>Spot</u>	<u>Tinged</u>
GM	SM	SM	SM	SM
SM	M	M	M	M
M	SLM	SLM	SLM	SLM
SLM	LM	LM	LM	LM

Gins will be visited as required in order to obtain complete ginning history of the bales identified by the Department. Merchandisers and handlers will be contacted as required in order to trace, locate and obtain the specified bales which have moved into channels of trade.

2. All lots obtained will be 31/32 of an inch in staple length. Each lot will consist of approximately 240 pounds of cotton.
3. After the sample of the identified bales by the Department has been obtained, standard fiber tests (Micronaire, Fibrograph, Pressley-strength--"O" gauge, Stelometer strength and elongation, Shirley analyzer, Colorimeter) will be made on samples representing each lot.
4. Prior to spinning select a 20-pound sample, composed of not less than six portions selected at intervals throughout the part of each bale to be spun and ship them to Cotton Testing Laboratory, Cotton Division, AMS, Clemson, S. C.
5. Take four bales of each grade classification required in B. 1 selected according to 2, 3, and 4 to be blended and spun as four replications in accordance with commercial mill practices. Detailed spinning plans providing yarn number and twist multiplier shall be submitted to the Contracting Officer or his designated representative for approval. These plans shall be based on the results of pilot spinning tests for 22's, 30's, and 40's yarn spun from the LM spotted and/or tinged grade.

6. A total of 80 spinning tests shall be run with 5,376 spindle hours on each test for a total of 430,080 spindle hours per crop year.
7. Additional information including complete breakdown of waste at each process, neps in card webb, break factor, and yarn appearance will be provided.
8. Bleaching and dyeing tests will be made on the yarn spun from each lot in accordance with published procedures of the Cotton Division, AMS. Both bleached and dyed yarns will be measured on the Nickerson-Hunter color-difference meter obtaining Rd and b values.
9. Statistical analysis of the data will be performed to determine the significance of color, grade, Micronaire and Pressley results on the spinning performance of the Lubbock, Texas, area cotton for each crop year represented.
10. Furnish the Contracting Officer or his designated representative a 5-pound lint sample representing each test lot processed and 15 bobbins of yarn would separately on cones or tubes from each test lot spun. This material to be shipped prepaid to the Cotton Pilot Spinning Laboratory, Market Quality Research Division, AMS, Clemson, South Carolina.
11. Furnish to the Contracting Officer or his designated representative the following reports:
 - a. A report, in quintuplicate, upon completion of the first crop year (1961-62), acceptable to the Contracting Officer or his designated representative, detailing the work done, the results accomplished, and the conclusions resulting therefrom.
 - b. A report, in quintuplicate, upon completion of the second crop year (1962-63), acceptable to the Contracting Officer or his designated representative, detailing the work done, the results accomplished, and the conclusions resulting therefrom.
 - c. A final report, in quintuplicate, upon completion of the project, acceptable to the Contracting Officer or his designated representative, detailing the entire work performed, the results accomplished, and the conclusions resulting therefrom, including the evaluation and analysis specified in 9. above.

The Department agrees to pay the Contractor the sum of \$47,308.80 as follows:

"An advance of \$17,308.80 as soon as the contract becomes effective.

A progress payment of \$13,000.00 upon completion of the 1961-62 crop year and submission to, and acceptance by, the Contracting Officer or his designated representative of the report specified in 11. a. above.

A progress payment of \$13,000.00 upon completion of the 1962-63 crop year and submission to, and acceptance by, the Contracting Officer or his designated representative of the report specified in 11. b. above.

A final payment of \$4,000.00 upon completion of the project and submission to, and acceptance by, the Contracting Officer or his designated representative of the final report specified in 11. c. above."

Page 7: In the third line of Section 12, "Period of Contract," delete the word "three" and insert "four" so that the revised section will read as follows:

"PERIOD OF CONTRACT.--This contract shall take effect upon execution by the Contracting Officer and shall remain in force and effect until completion of the work, but not to exceed four years unless terminated as provided herein; provided, however, extension of time may be granted by the Contracting Officer for good cause. In any event, this contract shall not continue in force and effect more than 4 years from date of taking effect."

All other provisions of Contract No. 12-25-010-2640 shall remain in force and effect.

The parties hereto agree that this Amendment No. 1 is effective October 2, 1961.

UNITED STATES DEPARTMENT OF AGRICULTURE

By _____
(Contracting Officer)
Acting Administrator
Agricultural Marketing Service

(Official Title)

TEXAS TECHNOLOGICAL COLLEGE

By _____

Business Address:
Texas Technological College
Lubbock, Texas

I, _____, certify that I am the Secretary of the organization named as contractor herein, that _____ who signed the contract amendment on behalf of the contractor, was then _____ of said organization, and that said contract amendment was duly signed for and on behalf of said organization by authority of its governing body.

DATA CONCERNING GEORGE H. MAHON
PROPOSED FOR HONORARY DEGREE

In keeping with the "Procedure for the Selection of Candidates for Honorary Degrees," as approved by the Board of Directors on December 14, 1957, the name of George Herman Mahon of Lubbock, Texas is proposed for the conferring of the LL.D. degree at the May 28, 1962 Commencement. His name was suggested by Mr. James L. Lindsey and by Mr. R. Wright Armstrong, Members of the Board.

1. Biographical Data:

George Herman Mahon was born September 22, 1900 near Haynesville, Claiborne Parrish, Louisiana, the son of J. K. and Lola Brown Mahon. The family moved to Mitchell County, Texas in 1908 where George was reared on a farm. After attending rural schools, he graduated from Loraine High School. He received the Bachelor of Arts degree from Simmons University in 1924 and the degree of Bachelor of Laws from the University of Texas in 1925. He began the practice of law that same year in Colorado City, Texas. He married Helen Stevenson of Loraine on December 21, 1923. The Mahons have one daughter, Daphne, who was born in 1927.

2. Attainments in Personal and Professional Career:

In 1926 Mr. Mahon was elected County Attorney for Mitchell County. The following year he was appointed District Attorney for the thirty-second judicial district to which office he was elected, without opposition, in 1928, 1930, and 1932. In 1934 he was elected to the 74th Congress and has been re-elected to each succeeding Congress from the 19th Texas Congressional District. He has served as a member of the Appropriations Committee and of the Joint Committee on Reduction of Nonessential Federal Expenditures. During the 81st, 82nd, and 85th Congresses he was Chairman of the Sub-committee on Appropriations for the Department of Defense and author of the appropriation bill.

3. Service and Contributions to Public Welfare

The population of the twenty counties composing the 19th Congressional District was 418,132 in 1960. Mr. Mahon has represented these people admirably in the Congress. Of particular interest has been his service rendered to Texas Technological College. He has used his influence to secure outstanding men as speakers for the College, including such men as Admiral Rickover and Dr. Von Braun. Men prominent in politics and government such as former President Truman and Speaker Sam Rayburn have appeared on this campus due largely to Mr. Mahon's assistance. Men in authority in the fields of science and research such as General Schriever of the Air Force have visited this campus upon the invitation of Mr. Mahon. Both faculty and students, when in Washington, have secured audiences with political, military, and scientific leaders through Mr. Mahon's influence and help. In short, Mr. Mahon has always taken an active part in any development for the betterment of this College which relies upon his years of experience in Washington, his full knowledge and wide influence which he has and exerts in the Capitol City, and his deep and abiding desire to assist Texas Technological College in every way possible.

Report to the Board of Directors
Texas Technological College
February 17, 1962
by George Heather

I am assuming that all of you are aware that Texas Tech has a School of Business Administration. This for me is roughly my twelve-year report as Dean of the School. Twelve years ago I started just two weeks prior to the beginning of the spring semester. It has been an interesting twelve years, I think, although this is my first opportunity to tell the Board something of those years.

Schools of business have emerged from a variety of backgrounds to serve a variety of needs. Some, like the University of Chicago, were offshoots of department of economics. Others, such as New York University's School of Commerce, Accounts, and Finance, were designed to train graduates for careers in accounting. At Harvard the emphasis from the start was on the preparation for positions of general administrative responsibility rather than for specialized careers. All have had the common objective of providing training for business careers, but there has been a wide diversity of means utilized in approaching that end.

Most business schools developed curricula dealing with the functional areas of business management -- marketing, finance, and production. Typically the specialized courses have been practical in nature and therein has been both our strengths and our weaknesses, I suppose. We have had some criticism because of the practical characteristics.

Foreign countries have generally remained traditional in their collegiate curricular offerings. In the past few years, though, recognizing the importance of studying business in preparation for world competition, many countries in Asia, Europe, and South America have arranged the cooperation of American universities to set up business programs in those countries and, typically, to staff them in part at least initially with American faculty.

I am not sure that Dr. E. N. Jones, as President, ever understood the philosophy of just "why a school of business?" Probably the best article I was able to find to help him, in his opinion, is the first reprint in the binder you have before you. Father Mulcahy of the University of San Francisco wrote this and I think did a pretty good job of explaining "why

a school of business?" Perhaps you will enjoy reading the article at your leisure.

We recognize that anyone might become a businessman through apprenticeship, or just trial and error -- it isn't necessary that one be trained or educated. In the same way anyone can become a medical doctor -- you don't have to be trained -- all you need are opportunities to try your hand. Some mistakes are bound to result from a system which provides no preparation. One objective of the collegiate school of business is to try to provide the means to anticipate and avoid at least some of those mistakes. A mistake in business usually wouldn't have quite the same repercussions as a medical error but only history could report truly which had a more serious effect on humanity.

The second item I want to call to your attention in the looseleaf binder is an enrollment chart as of fall semesters. You will note that there have been some enrollment fluctuations. The Schools of Business Administration, Agriculture, and Home Economics probably have remained a little more constant than have Engineering and Arts and Sciences. We are, I guess you would say, proud -- and I don't know that this is anything too significant -- that beginning last spring, this semester a year ago, we attained the status of being the second largest school on Campus in current number of major students. Also we are the second largest school in student-semester-hour load of teaching. The first enrollment chart is in absolute figures. You will note at the far right where we just peak out above Engineering. The School of Arts and Sciences of course is running away from all the rest of us.

The next page I think may have more significance in that it represents percentages of the total College enrollment year by year. You will note that Business Administration has stayed fairly well at about that same twenty per cent except that we had a bit of a reversal during the period of time that Engineering was quite high. But again we are back almost up to the twenty-one per cent again this year -- and that is the per cent we predicted about ten years ago we should continue to hold of the College enrollment.

Incidentally, it might be of interest to you that as nearly as we can

tell in major enrollment probably we are about the thirtieth largest school of business in the United States. That surpasses quite a few schools at which you might be surprised -- for example, we are larger, I think, than any collegiate school of business in the so-called Big Seven: included are the Universities of Kansas, Oklahoma, Missouri, Colorado, and so on. Within the Southwest Conference only the University of Texas exceeds us. As of a year or two ago we were larger than Alabama, U.C.L.A., Chicago, Harvard, Iowa, L.S.U., Michigan, Minnesota, Penn State, Southern California, Stanford, Wisconsin -- a number of highly-regarded universities. The size, of course, isn't the only significant measure but it may help you a little in establishing our position within the United States.

The normal instinct we all have is to expect services rendered for value received -- to assume that he who pays the piper calls the tune. From here it is an easy step to the sales doctrine that the customer is always right. But in education the customer isn't always right. Some get honors, others just pass, and others fail. So we have as the next page of charts the academic suspensions from the School of Business Administration; you will note these are in absolute numbers. Here again we have nothing perhaps too significant, nothing to be too proud of because every suspension represents something of a failure on our part -- a failure to challenge or motivate that youngster adequately. But the chart does show, I think, that our standards are tightening up constantly -- that our products must be ever better. Our graduates, incidentally, are having much more difficulty earning the required "C" grade point average in Business Administration subjects than they are in earning the "C" average on their overall college record.

The fact that the Business Administration enrollment is growing steadily and that we are getting increasingly tougher has caused an increasing amount of difficulty with the "Philadelphia lawyer" type of student who wants to tell us when the degree is to be conferred and when our regulations should and shouldn't apply -- and even what the regulation mean -- I guess we can expect a little more of that sort of problem as we go along.

Some of you may be and some may not be aware that just four years ago we made our first application for membership in the American Association of Collegiate Schools of Business. This is the one accrediting authority in the United States for collegiate schools of business. Customarily, historically, and so on, there had been a rare school that had not been put off once or twice or three times before membership was extended. We thought we were ready -- we had worked toward it -- we lucked out -- we made it in on the first application, on the first inspection. This was something we thought quite significant at the time.¹

As to programs -- I put a Bulletin in the binder because I don't know whether each of you necessarily has seen a School of Business Administration Bulletin -- if you have, fine, if you haven't there is one. We use essentially a core program. The Business Administration student for the amount of about eighty hours is relatively undifferentiated regardless of the field that he takes -- regardless of his major. His major is put on top of that eighty hours and I think by starting on page 17, I believe it is in this Bulletin, you will note the arrangement that we have for the curricula. A considerable portion of the core consists of the liberal arts and sciences. However, we believe that the precise numerical requirement of a certain number of hours in a school of arts and sciences is not of itself particularly important. It is important that both the business and non-business courses in the curriculum be broad in outlook and rigorous in analytical content. The manner in which a course is taught will have great bearing upon its liberalizing effects upon the student, whether it be a course in English or in Business Law. I won't take more of your time on the curricula.

Following the Bulletin in the binder are some charts on absolute enrollment figures by major year by year. I don't want to point out any particular significance of these -- they are simply informational. Our largest major is Accounting, running well over 300 majors this year in that one field. Alphabetically next, Advertising is a comparatively small group, but running about eighty. I must point out to you that these

¹A loan copy of the application submitted is available.

are only the upper three years; these major totals do not include any Freshmen enrollments -- we don't classify Freshmen at all as to major -- so the figures you are given here are without roughly 600 to 650 Freshmen, this year being typical. You can follow the charts on through the remaining majors.

I think the next charts will be interesting to you also, since I know the matter of courses becomes a real sore spot at times -- somehow the colleges today all are inevitably suspect of too much of what is being called "splintering." The page headed Number of Courses -- these really are not "offered" as the heading claims, these are the number of courses "cataloged"-- 1949 through 1961. You will recall from earlier charts that in enrollment we have come a long way, total enrollment. I don't recall the exact figures on that chart but starting back there in 1949 we had roughly 800 students -- 800 majors. This past fall we were approaching 2,200, including graduates -- around 2,100 undergraduates. That same growth period of '49 through '61 has been charted as to the number of courses we have had available for our students. You will note the first year or two of that period -- more or less a shakedown following World War II -- things were leveling out. Otherwise we have held pretty constant on the number of courses. Frankly, we are beginning to hurt quite a bit in that we don't have the variety we should have for this enrollment which has way more than doubled. We will be back to you on this matter one of these days.

I have long lamented the characteristic in big colleges, such as Texas Tech, that we tend to strive for intellectual mediocrity -- we pitch the courses at the "C" and "B" students -- we spend our time working hard to get the "D" and better "F" students to pass -- and we sort of hope that the superior students sit quietly and don't disturb the class -- don't rock the boat. I think that is an unfortunate condition and this year we started sort of unheraldedly an Honors Plan in the School of Business Administration. In the United States there are about four or five other collegiate schools of business that are attempting honors programs. This may be a new concept to many or most of you -- I'm not sure. The program is based on the premise that superior students, by definition being

endowed with a high level of intellectual curiosity, will exert themselves to or near the limit of their intellectual capacity if given the opportunity. Honors students presumably will appreciate the removal of learning obstacles, accept the challenge offered them by demands which are far beyond those made on other students, and consider the rewards as being worth the additional effort required. We have our first semester's report from Mr. Luchsinger who is our Freshman Adviser and who was charged with the "crash program" initiation of the Honors Plan for the beginning of the past fall semester. It's in the binder and runs about six pages. Our faculty Honors Council is hard at work completing the planning details for the remaining three years.

Dr. Pearce suggested that I tell you a little about a pending problem that we are facing with the Texas Commission on Higher Education. By more or less blanket edict the Commission has decreed "all Texans are too tall" or "all Texans are too short," or something of the equivalent. Anyway, all the Texas colleges of Business Administration catalog too many programs, they say. We have attempted to negotiate a little bit but we feel like we are fighting shadows. Somehow we in the School of Business Administration have never had access to the Commission officially. It may be that we have no alternative to being adjudged guilty without a trial.²

²There did not seem to be adequate time during the verbal report to cover the pending costs and other difficulties which would result. Briefly, our situation is that with such a large number of majors and such a small faculty it is necessary that our Bulletin and its various majors are used in what I call "group counseling by exception." Each student is expected to complete the precisely-stated requirements of a particular year's Bulletin. Only when he wishes to be permitted to deviate from the stated requirements is it necessary for a student to see an adviser to have the exception approved and record made.

Should we, as requested by the Commission, no longer list the various Management programs, for example, it would be necessary for an adviser to work extensively with each Management major in designing a program to suit the individual needs. Right now our faculty are not given load reductions for student counseling. If more and more of the counseling must be done with individual students over four-year programs, faculty teaching loads will have to be reduced accordingly. Because of the cost factors inherent in the Commission's charges it may well be that the Board should interest itself in the Commission's attitude on this matter.

But the question of specialization, of course, and non-specialization has been well publicized.³ I have in the binder a reprint of an article which is a fairly good rebuttal to this agitation for reduced specialization -- the article by Dr. Wingate of City College of New York. If you can find time you should read it. I remember one statement that Pat Hagerty of Texas Instruments made over in Dallas about seven or eight years ago to the effect that when they hire a fellow he supposedly has to be able to do something right from the beginning -- they can't just let him walk in and then they start figuring out how they are going to use him and how they are going to train him.

We have had something of an increase in graduate enrollment -- not in total head count but in teaching load due to the fact that more and more of our graduate students are full time. Our graduate classes at times are running too large.

We have about quit the evening and part-time student business, as far as any bait or promotion, and yet the enrollment seems to be holding pretty level.

You may be interested in the fact that as a collegiate school of business probably we are not the earliest, I should imagine, but we come fairly close to being something of a pioneer in the instruction on data processing equipment. This has been basically the IBM punch card type of course but two years ago we began offering two courses in general computer programming. In roughly twelve years we have put a total of over 1,400 people through those courses. We haven't yet seen quite what is going to happen to the new prima donna, the electronic computer, in Texas-type business but I should imagine that one of these days not too far distant we are going to be needing to get hold of something about the size of a

³Considering the agitation in some quarters for a change in philosophy for the collegiate school of business the following bit of doggerel for some of the business school graduates of the future might be in order:

"We're the new B-boys, cultured you bet,
We came for Business and what did we get,
Warmed over Arts and Humanities classes,
We're an excellent bunch of hybrid asses."

1401⁴ and to begin instruction on that also. Rather typically the larger collegiate schools of business in the United States have computers.

Turning to our faculty -- I think in Business Administration our faculty are academically sound, I think they are relatively conservative, they are a hard working bunch, they represent a good age spread, but we are seriously short of terminal degrees. We have thirty-five full-time people, we have ten part-time, and we have twenty-one graduate teaching assistants doing varying amounts of classroom instructional work. Of our full-time people, thirteen have Ph.D.'s, six are C.P.A.'s, two have LL.B.'s, and, although not recognized as a terminal preparation, one of our men who teaches Insurance has passed the C.L.U.

Our activities outside the classroom have been understandably limited. In theory, at least, we buy a man's full working time. Of his full time we can assign him to various combinations of teaching, research, writing, travel, public relations activities, and the like. The Business Administration classroom teaching needs have been so great, generally, that we have had little alternative but to conclude that classroom teaching is the primary and almost only assignment that we can make to our faculty. As we become more prosperous perhaps we can afford the faculty to spend more on these other possible assignments.

We have this year for the first time moved into the offering of what we call Administrative Management short courses. There are two pertinent sheets in the binder -- one being the report on our first offering from Mr. Reese who was the Coordinator. For a number of years we have sponsored the annual Tax Institute on Campus. You have the proceedings of the last Institute; it would be of particular interest to some of you.

In terms of research, there are three publications in the binders which are more or less typical of the sort of thing that is being turned out: Dr. Cain and Mr. Dale on their Texas Labor Law publication; Mr. Witt, who was formerly Assistant Director of our Business Research Bureau, on the West Texas Population Growth Movement and Current Estimates for the

⁴Also this is the size computer available at this time which I would judge to be the most promising to do the required job for our Registrar's Office and the Auditor's Office.

for the Year 1960; and Dr. Clover's latest publication on the General Economic Aspects of the Utilization of Underground Water -- a pretty hot subject right now. Last of all, I included the one full year's report of the old Business Research Bureau. With considerable nostalgia I look back on that and will say just another word very shortly on that.

We have gotten some textbooks, some full-sized books out of our people: Dr. Levy's new book which he co-authored with Dr. Sampson, one of our former men in Economics, has just come off the press for spring use; Dr. Clover's book has been out awhile; Dr. Norwood and Mr. Chisholm have a tax case book coming out this spring; Dr. Pasewark has a series of four books, the first of which will be off the press in September. For such a little group carrying some mighty big teaching loads I am real proud of them for having that much publication activity.

The rest that I would like to say has to do with asking of you your cooperation -- I think that is ethically a part of this presentation -- what we need and how you can help us.

I would say for the Business Administration students we need something of a recognition in loan funds and scholarships -- we have virtually none.

We need publication funds for the research that we are turning out.

We need more faculty. We are carrying some tremendous teaching loads. We need a higher ratio of terminal credentials among our faculty. The American Association of Collegiate Schools of Business is pushing us a little on that right now -- in fact we just squeaked by on the Association's last recapitulation of where we stand.

I would say that the age old problem of the inability to hire an occasional expensive professor is something that you fellows are going to have to decide the solution of. Right now we are not "in the market" for the best. We need at the top end an occasional additional \$2,000 or \$3,000. We don't have to have many of those fellows around but at least one or two in Business Administration would give us a little spice in our faculty.

We need more graduate teaching assistants, both to subsidize our graduate program and to give us some cheap help, and I think we need -- as we've been talking to Bob (President Goodwin) and Bill (Vice President

Pearce) -- I think we need a little upward adjustment there on the salaries for those.

We would like to ask you to give us some specific consideration one of these days on building facilities, now that we are sort of grown up. We have never had a facility planned, executed, and equipped for us -- I suppose we could always continue to makeshift in about anything, as we have been doing. This spring I am going down to be on the program for the dedication of the new Business Administration building at the University of Texas -- they are moving from their old building to their new one. Baylor has a brand new building as some of you may have noticed in a recent Tech basketball program -- advertising a little on our Campus, I guess. North Texas State, S.M.U., T.C.U., Lamar Tech, East Texas State, the University of Houston -- all have relatively new business administration buildings. I think you would admit that we are at a bit of a disadvantage when even on a map of the Campus you can't find Business Administration. We are holding Business Administration classes in seven different buildings right now. The worst department along that line is Economics with about forty per cent of its teaching outside the one building in which we more or less headquarter -- our other departments run typically up to about twenty per cent outside. We use some part-time faculty; they have no place to see their students outside the classrooms -- maybe they could sit together on the stairways. Over twenty graduate teaching assistants we now have in four offices -- that's a little crowded to be doing any student conference work. No one has ever even bothered to ask us what we need and how badly we need it. If you will look into this carefully I think you will agree that the College has not treated a good Business Administration faculty and student body fairly in the building programs.

As for the rest of our plans, I think we are going to be coming along one of these days with an undifferentiated B.B.A. considerably more liberal than that we have had. We are going to need some seminar courses for our Honors Plan people. We are going to need just two or three new courses for one or two departments, I think, to give us a proper spread there.

I would ask that when we come back one of these days for another try on the Business Research Bureau you support us there -- you know that was

the West Texas Chamber of Commerce \$20,000 a year proposition and the Chamber hasn't been too happy with Tech. Everything seemed to be going along pretty well with the Bureau four years ago and we in Business Administration don't know yet quite what happened -- we are willing to suspect anybody and everybody of having "sold us out" on that but, nevertheless, it went down the drain and a lot of good hard work went with it. These are the year's products in the binder. This could represent one of the College's best public relations opportunities.

I think also it is going to behoove the College to begin some consideration toward the broadening of its Doctor's activities into the professional areas and I would say Business Administration might be a likely place to start. With a little bit of faculty improvement we can get into a fairly respectable D.B.A. program which, of course, is something equivalent to a Ph.D. although it is primarily for prospective Business Administration faculty rather than Business Administration scholars and researchers and business employees.

This concludes my remarks. I may have missed the assigned time by a minute or two. If there is any elaboration needed I shall be glad to continue with you. I'm sure you realize I could talk for hours yet on this subject.

Discussion period followed.

Exact copy of transcript submitted by Dr. George G. Heather, Dean of the School of Business Administration.

A Report from the Texas Technological College Foundation
by
William H. Butterfield, Vice President for Development

\$341,797.75 RECEIVED THROUGH TEXAS TECH FOUNDATION IN 1961

Total income received for various College projects through the Tech Foundation in 1961 amounted to \$341,797.75, according to figures released by the Office of the Auditor at Texas Technological College.

Showing substantial gains over previous years were total gifts and grants for the Library Building Fund, Institute of Science and Engineering, and Scholarships at Texas Tech. The only major project showing a decline in receipts was the Stadium Expansion Fund, which reached its peak in 1959 and 1960 when most of the seat-option pledges were paid in full.

1961 SCHOLARSHIP RECEIPTS UP 21% OVER PREVIOUS YEAR

For the past three consecutive years, scholarship gifts and grants received through the Foundation have set a new "high" at Texas Tech. Total support of the scholarship program in 1959 amounted to \$50,420.00. In 1960 it increased to \$63,234.00. A further gain was recorded in 1961, when gifts and grants for scholarships amounted to \$76,781.00. This total represents a gain of 21% over the previous year.

GIFTS AND GRANTS TO INSTITUTE SHOW INCREASE IN 1961

Support of the Institute of Science and Engineering at Texas Tech more than doubled in 1961, as compared with that of the previous year. Since the beginning of this program in 1959, total gifts and grants have amounted to \$45,750.00. The distribution of these receipts, by calendar years, has been as follows: \$5,000.00 in 1959, \$12,500.00 in 1960, \$26,500.00 in 1961, and \$1,750.00 thus far in 1962.

KILLGORE ESTATE MAKES \$500,000.00 GRANT TO TECH FOUNDATION

Trustees of the Estate of the late Florence Lee and C. L. Killgore have authorized a grant of \$500,000.00 to the Texas Tech Foundation to provide a memorial Killgore Beef Cattle Center at the Texas Tech Research Farm, Pantex, Texas. The grant was approved by the three Trustees -- C. E. Weymouth, W. N. Durham, Jr., and A. A. Bush, all of Amarillo.

The funds will be available as soon as plans and specifications are approved. The Killgore Center will include modern beef cattle performance-testing facilities with a fully mechanized feed weighing and distribution system, feed storage and mixing facilities, a livestock pavilion that will serve as an auction arena and livestock show area, office and laboratory space to accomodate a professional research staff and provide for studies in beef cattle improvement, a compact apartment and catering kitchen to provide for maintenance and service, and a memorial Founders' Room and reference library for meetings and study.

The \$500,000.00 grant is the largest in the history of the Texas Tech Foundation.

BUILDING FUND FOR TECH LIBRARY APPROACHES \$200,000.00 MARK

Gifts and firm commitments to the Texas Tech Library Building Fund now stand at \$191,500.00, with several further contributions in prospect. Support thus far has come from eight foundations, three business concerns, and three individuals.

The Library Building Fund will supplement the Constitutional Building Amendment Funds of \$1,825,000.00 in meeting the cost of the new Texas Tech Library. The building will be completed in time for use when the fall semester opens next September.

TEXAS TECHNOLOGICAL COLLEGE, LUBBOCK, TEXAS

BID TABULATION FOR PUMPS, PIPING AND STORAGE FOR SEWAGE EFFLUENT

Bids Opened on February 14, 1962, at 2:30 p.m.

BIDDER	BID BASIS	BID	ADDITIVE ALTERNATE BID	TOTAL
Panhandle Construction Company Post Office Box 1500 Lubbock, Texas	Base Bid Alternate Base Bid	\$72,776.20 \$75,112.50	\$3,423.90 \$3,423.90	\$76,200.10 \$78,536.40
Hemphill Contracting Company 4317 32nd Street Lubbock, Texas	Base Bid Alternate Base Bid	No Bid No Bid	No Bid No Bid	No Bid No Bid
R. B. Hodgson and Company Post Office Box 5136 Midland, Texas	Base Bid Alternate Base Bid	\$69,666.05 \$72,285.55	\$3,709.22 \$3,709.22	\$73,375.27 \$75,994.77
Clyde Construction Company Post Office Box 2123 Odessa, Texas	Base Bid Alternate Base Bid	\$69,649.33 \$71,949.25	\$4,565.20 \$4,565.20	\$74,214.53 \$76,514.45
M. B. McKee Engineering and Equipment Company 2205 Avenue E Lubbock, Texas	Base Bid Alternate Base Bid	\$84,066.60 \$86,300.50	\$2,853.25 \$2,853.25	\$86,919.85 \$89,153.75
R. Q. Davis, Inc. Post Office Box 3336 Austin 13, Texas	Base Bid Alternate Base Bid	No Bid No Bid	No Bid No Bid	No Bid No Bid
Ramsey Enix Company, Inc. 207 North Lincoln Amarillo, Texas	Base Bid Alternate Base Bid	No Bid No Bid	No Bid No Bid	No Bid No Bid

Alternate Base Bid provides for routing pipeline around agricultural research field.
Additive Alternate provides for sealing of the reservoir.