

MINUTES OF THE MEETING
of the
FINANCE COMMITTEE
January 25, 1963

The Finance Committee convened at Kellogg Center for luncheon at 12 o'clock noon.

The following members were present: Messrs. Harlan, Huff, Merriman, Smith, Stevens, Vanderploeg; President Hannah, Treasurer May and Secretary Breslin

Absent: Dr. Bartlett

1. Recommendations as follows from Scudder, Stevens & Clark and Mr. Cress:

Albert H. Case Fund

Recommend selling:

Amount	Security		Approx. Price	Principal	Income	Yield
1000 shs. (of 1,500)	Tennessee Corporation	\$1.40	48	\$48,000	\$1,400	2.9%

Recommend purchasing

100 shs.	National Steel (holding 100)	\$1.60	38	3,800	160	4.2%
300 shs.	Texaco	\$1.80+	61	18,300	540+	3.0+%
300 shs.	Mfrs. Nat. Bank of Detroit	\$2.00	60	18,000	600	3.3%
300 shs.	Lone Star Cement	\$1.00	20	6,000	300	5.0%
				\$46,100	\$1,600	3.5+%

Pension and Retirement Fund

Recommend selling:

1,249 shs.	Marathon Oil	\$1.60	47	58,703	1,998	3.4%
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Recommend purchasing:

1,000 shs.	National Steel (holding 1,600)	\$1.60	38	38,000	1,600	4.2%
177 shs.	American Telephone and Telegraph Co.	\$3.60	118	20,886	637	3.1%
				\$58,886	\$2,237	3.8%

Fred T. Russ Fund

Recommend selling:

150 shs.	Continental Can	\$1.80	45	6,750	270	4.0%
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Recommend purchasing:

50 shs.	American Telephone and Telegraph Co.	\$3.60	118	5,900	180	3.1%
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On motion by Mr. Huff, seconded by Mr. Stevens, it was voted to approve Item 1.

2. Approval of the installation of air conditioning in the exhibition area in the Kresge Art Center at an estimated cost of \$16,500. This may be charged to Alterations and Improvements 1962-63, account 11-5173.

3. Appropriation of \$600 for the Alumni Office to permit retabbing of addressograph plates in connection with the reorganization of alumni records.

On motion by Mr. Vanderploeg, seconded by Dr. Smith, it was voted to approve Items 2 and 3.

4. Communication from Mr. May:
The Housing and Home Finance Agency has submitted a loan agreement covering the \$4,000,000 loan commitment for part of the construction of Wonders Hall. This agreement must now be considered by the Board and authority given to the officers to sign the agreement.

The agreement, which is essentially in the same form as prior agreements, contains the following provisions:

- 1) Bonds will be dated October 1, 1962.
- 2) Principal Amount: \$4,000,000
- 3) Denomination: \$1,000
- 4) Type: Negotiable, serial, coupon bond.
- 5) Interest Rate: $3\frac{1}{2}\%$ per annum, payable semi-annually on April 1 and October 1 in each year.
- 6) Bond Retirement Schedule: Maturities as of October 1, ____, in years and amounts as follows:

continued - -

January 25, 1963

Finance Committee Items, continued

4. Loan agreement covering \$4,000,000 loan commitment for part of construction Wonders Hall, continued:

6) Bond Retirement Schedule, continued:

<u>Year</u>	<u>Amount</u>	<u>Year</u>	<u>Amount</u>
1965-1966	\$ 50,000	1989-1990	\$120,000
1967-1971	60,000	1991-1992	130,000
1972-1975	70,000	1993-1994	140,000
1976-1979	80,000	1995-1996	150,000
1980-1982	90,000	1997-1998	160,000
1983-1985	100,000	1999-2000	170,000
1986-1988	110,000	2001-2002	180,000

Loan agree-
ment cover-
ing \$4,000,000
loan commit-
ment for part
of construc-
tion of
Wonders Hall

- 7) Numbers: 1 to 4,000 inclusive, in order of maturity.
 8) Security: A special obligation of the Borrower secured by a first lien on and pledge of the net revenues derived from the operation and/or ownership of the project.
 9) Place and Medium of Payment: Payable as to both principal and interest at the principal office of the Trustee to be designated in the Bond Indenture, or, at the option of the holder, at a bank or trust company in the Borough of Manhattan, City and State of New York, in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for payment of debts due the United States of America.
 10) Registerability: Registrable, at the option of the holder, as to principal only.
 11) Redemption Provisions:
 Bonds numbered 1 through 470 inclusive, maturing October 1, 1965, through October 1, 1972, inclusive to be uncalleable.
 Bonds numbered 471 through 3140 inclusive, maturing October 1, 1973, through October 1, 1997, inclusive to be callable at the option of the Borrower prior to the stated maturities thereof, in whole or in part and in inverse numerical order on any interest payment date after October 1, 1972, upon at least 30 days' prior notice, at the principal amount thereof, plus accrued interest to the date of redemption and a premium for each bond as follows:

3% if redeemed April 1, 1973, through October 1, 1977
 2½% if redeemed April 1, 1978, through October 1, 1982
 2% if redeemed April 1, 1983, through October 1, 1987
 1½% if redeemed April 1, 1988, through October 1, 1992
 1% if redeemed after October 1, 1992

Bonds numbered 3141 through 4000 inclusive, maturing October 1, 1998, through October 1, 2002, inclusive, to be callable at the option of the Borrower in whole or in part and in inverse numerical order on any interest payment date during the entire life of the loan, upon at least 30 days' prior notice, at par plus accrued interest to the date of redemption.

Priority as to call shall extend to bonds numbered 3141 through 4000 inclusive over bonds numbered 471 through 3140 inclusive.

When these bonds are offered for sale, the bid announcements must specify that bids will be received and considered on the following basis:

- For (1) all maturities in the years 1965 through 1972
 (2) all maturities in the years 1973 through 1977
 (3) all maturities in the years 1978 through 1982
 (4) all maturities in the years 1983 through 1987
 (5) all maturities in the years 1988 through 1992
 (6) all maturities in the years 1993 through 2002
 (7) the entire issue.

The loan agreement also provides for the payment to the government of a \$7,500 fee to cover, in part, government field expense.

As a part of the loan agreement the University also must agree to establish out of earnings an interest sinking fund reserve of \$400,000; and after that amount has been accumulated out of excess earnings, we must further set aside \$50,000 per year for equipment and maintenance reserves of \$700,000 and \$400,000, respectively. These reserves, which are ridiculously high, will preclude any early retirement of the bonds prior to maturity.

If the Board approved signing the loan agreement, it will be necessary to insert several form resolutions in the minutes relating to the fact that a quorum was present, that the terms of the loan agreement have been duly considered, and that Philip J. May was authorized to execute said agreement.

On motion by Mr. Huff, seconded by Mr. Merriman, it was voted to approve Item 4.

5. Communication from Mr. May:

Assuming that the Board authorized the signing of the \$4,000,000 loan agreement Project No. CH-Mich.-67(D), it should officially designate:

- a. Miller, Canfield, Paddock & Stone as Bond Counsel for the preparation of the official legal opinion.

Continued - -

Finance Committee Items, continued:

5. Communication from Mr. May: (continued)

- b. Ann Arbor Trust Company, Ann Arbor, Michigan, as the Trustee for the bond issue, such Trustee to act as Paying Agent and Depository of the bond and interest sinking fund account.
- c. New York Trust Company, New York, New York, as the Alternate Paying Agent as required by Section 2(j).
- d. East Lansing State Bank as Depository for the construction account.

On motion by Mr. Merriman, seconded by Mr. Huff, it was voted to approve the above recommendation.

6. In accordance with previous Board authorization bids were taken on January 22 for the Buildings and Utilities Shops Building to make it possible to clear the site adjacent to the river now occupied by this old, decrepit, and unsitely complex.
Mr. May recommends the following budget for this project:

Construction	\$768,680
Utilities	40,000
Site Work	90,000
Contingencies and Bonds	21,320
	<u>\$920,000</u>

To finance this project, Mr. May requests authority to use the following funds:

Plant funds reserved for this project	\$300,000
Grounds and building repairs, acct. 11-5183, 1961-62	50,000
Grounds and building repairs, acct. 11-5183, 1962-63	75,000
Extension of utility lines, acct. 11-5243	60,000
Transfer from garage revolving acct. 21-2953	40,000
Transfer from motor pool revolving acct. 21-2938	60,000
Balance to be financed	<u>335,000</u>
	<u>\$920,000</u>

On motion by Mr. Merriman, seconded by Mr. Vanderploeg, it was voted to approve the above recommendations.

7. Letter from John M. Patriarche to Mr. May and Mr. May's letter in reply:

From Mr. Patriarch, dated January 9, 1963:

The East Lansing City Council discussed Michigan State University's request to construct a bridge over the Red Cedar River on Bogue Street and share in the cost of the project at their meeting on Monday, January 7, 1963. After considerable discussion, the Council has authorized me to negotiate with the University on the following basis:

The City will participate in 50% of the cost for building the bridge as outlined on Scheme III of the Engineer's proposal. This would constitute constructing a single four-lane structure over the river with the necessary approaches and would require obtaining limited right-of-way. If the University feels that Scheme I is required for their purposes, the University would pay the additional cost. The City offers to pay its share in four equal annual installments beginning July, 1964 at no interest cost.

If the University wishes to proceed under these terms, we can authorize the Consulting Engineer to immediately begin work on detailed plans on the bridge and its approaches while a written agreement is being prepared. We can also authorize the Real Estate Committee to proceed with acquiring the necessary right-of-way at the same time. If there is no undue delay in acquiring additional right-of-way, we probably could have the bridge under construction yet this spring. If this were the case, it probably would be open for travel about six months later.

Please let me know if this proposal is acceptable to the University.

Mr. May's letter, dated January 10, 1963:

Reference is made to your letter of January 9 transmitting the action taken by the East Lansing City Council on the Bogue Street Project.

After conferring with President Hannah and Mr. Lautner, I wish to advise you that the University concurs in the Council's action and desires that the City proceed as rapidly as possible to have the bridge designed and built under Scheme III of the Engineer's proposal.

The University agrees to share the cost of this project on a 50-50 basis and to advance the money as needed under the terms outlined in the reference letter.

If the University officials can be of any help in expediting the project, please call us.

On motion by Mr. Stevens, seconded by Mr. Huff, it was voted to approve the arrangements between the City of Lansing and the Board of Trustees covering the financing and construction of the Bogue Street bridge.

Contracts
awarded for
B & U Shops
Bldg.

Approval
arrangements
for construc-
tion of Bogue
Street Bridge

Finance Committee Items, continued:

8. Mr. May presented the resolution requested by the State Highway Department as follows:

WHEREAS, in consideration of mutual benefits and the construction of Interstate Highway I-496 from I-96 Northerly to Grand River Avenue, The Board of Trustees of Michigan State University does hereby agree to grant, bargain and sell necessary land consisting of Lot #11, Ivanhoe Subdivision and lands in the Northeast 1/4 of Section 23, T4N, R2W, Lansing Township, Ingham County, Michigan for interchange area and approaches, to the State Highway Commissioner of the State of Michigan.

In addition to certain cash payments the Highway Commissioner is to exchange to and deed to the Michigan State University approximately 13 acres of excess land in the Southeast 1/4 of section 23, T4N, R2W, Lansing Township, Ingham County, Michigan.

It is further resolved that the President and the Secretary of the University be and are hereby authorized to sign all necessary legal documents for the transfer of the necessary land to the State Highway Commissioner of the State of Michigan.

On motion by Dr. Smith, seconded by Mr. Merriman, it was voted to approve the above resolution.

9. There was a report by Mr. Huff of certain developments of the Coordinating Council for Public Higher Education and a report by Mr. May and Mr. Breslin relative to appropriations, et cetera.

Adjourned.

MINUTES OF THE MEETING
of the
BOARD OF TRUSTEES
January 25, 1963

Present: Dr. Smith, Chairman; Messrs. Harlan, Huff, Merriman, Stevens, Vanderploeg; President Hannah, Treasurer May and Secretary Breslin

Absent: Dr. Bartlett

The meeting was called to order at 3 p.m.

The minutes of the December meeting were approved.

SPECIAL MISCELLANEOUS

1. Approval of the Finance Committee Items which appear on the preceding pages.

On motion by Dr. Smith, seconded by Mr. Vanderploeg, it was voted to approve the Finance Committee Items.

PRESIDENT'S REPORT

1. Change in the effective date of the appointment of Richard G. Heifner as Assistant Professor of Agricultural Economics from December 10, 1962, to January 1, 1963.
2. Change in the effective date of the appointment of James F. Price as Assistant Professor (Extension) of Food Science from December 17, 1962 to January 1, 1963.
3. Approved an overseas assignment for William J. Hanna, Assistant Professor of Political Science and the African Language and Area Center, from January 1 to December 31, 1963. He is to be continued on his present salary of \$7500 per year and is being given a budget out of Ford Foundation funds to take care of his travel and other expenses. It is understood that Dr. Hanna will return to Michigan State University for not less than one full year after he completes this African assignment.

NEW BUSINESSResignations and Terminations

1. Wilmot M. McDowell, 4-H Agent, Ingham County, December 31, 1962 to accept a position with a commercial company.
2. Clayton D. Reid, 4-H Agent, Montcalm County, December 31, 1962, to accept a position with a government agency.
3. Floyd W. Hicks, Assistant Professor (Ext.) Poultry Science, January 31, 1963, to accept a position at Pennsylvania State University.
4. Milo W. Chalfant, Instructor in Police Administration and Continuing Education, February 28, 1963 to accept a position with the Secretary of State of Michigan, as Chief, Driver Improvement Control.
5. Cancellation of the appointment of Sylvia M. Matejko, Librarian, January 2, 1963.

Approval of
resolution
requested by
State High-
way Department
for Trowbridge
interchange

Approval
Finance
Committee
Items.

Resignations

NEW BUSINESS, continued

Leaves

Leaves--Sabbatical

1. Irving R. Wyeth, Assistant District Director, U. P. Extension, with half pay from February 16, 1963 to February 15, 1964 to study for the Ph.D. at M.S.U.
2. Aubrey E. Wylie, Professor of Forest Products with full pay from March 15, 1963 to September 15, 1963 to study in Texas, Arizona, California and Italy.
3. Owen D. Brainard, Assistant Professor of Art with half pay from September 1, 1963 to August 31, 1964 to study in Dusseldorf, Germany.
4. Robert T. Anderson, Associate Professor of Religion and Continuing Education with half pay from July 1, 1963 to June 30, 1964 for study and travel in Iraq and India.
5. John W. Hanson, Professor of Education with half pay from September 1, 1963 to August 31, 1964 for study and travel in Africa south of Sahara.
6. Edward G. Cantino, Professor of Botany and Plant Pathology with full pay from April 1, 1963 to June 30, 1963 for study and writing for a book on fungi.
7. Henry A. Imshaug, Associate Professor of Botany and Plant Pathology and Curator, with half pay from September 1, 1963 to August 31, 1964 for study and travel in Macaronesia and Portugal.
8. Jack B. Kinsinger, Associate Professor of Chemistry with half pay from September 1, 1963 to August 31, 1964 to study at the University of Leiden, The Netherlands.
9. Paul C. Morrison, Professor of Geography with full pay from April 1, 1963 to June 30, 1963 to do research in Michigan.
10. Jack Stieber, Professor of Economics, with half pay from August 1, 1963 to July 31, 1964 to study and lecture in France and western Europe.
11. Dana M. Woodbridge, Associate Professor of American Thought and Language, with full pay from April 1, 1963 to June 30, 1963 to write a book.
12. Ross W. Matteson, Professor, Counseling Center, with full pay from October 1, 1963 to March 31, 1964 to study and do research and writing in the USA.

Leaves--Health

1. Laurence A. Cushman, Jr. 4-H Club Agent, Osceola County with full pay from January 1, 1963 to March 15, 1963.
2. Maryann M. Meldrum, Consumer Marketing Information Agent, Kalamazoo County, with full pay from January 14, 1963 to March 13, 1963.
3. Margaret C. Hearn, Associate Professor of Textiles, Clothing and Related Arts with full pay from December 15, 1962 to January 23, 1963.
4. J. Geoffrey Moore, Associate Professor of Social Science and Education and Assistant Dean of Social Science with full pay from December 12, 1962 to February 18, 1963.

Leaves--Other

1. Richard A. Schroeder, County Extension Director, Clare County, without pay from January 6, 1963 to January 5, 1965 to work for AID in Ghana.
2. Allan Leepa, Associate Professor of Art without pay from April 1, 1963 to July 31, 1963 to study in Paris.
3. Roland I. Robinson, Professor of Accounting and Financial Administration and Economics without pay from September 1, 1963 to August 31, 1964 to do research and writing.
4. Philip J. Clark, Professor of Zoology without pay from September 1, 1963 to August 31, 1964. He will have an NSF fellowship of \$12,750 paid direct to him.

Appointments

Appointments

1. Eileen H. Bell, Consumer Marketing Information Agent, Lansing, at a salary of \$7400 per year on a 12-month basis effective February 1, 1963.
2. Sheila Symons Morley, Consumer Marketing Information Agent, Saginaw, Bay, Midland and Gratiot Counties at a salary of \$6000 per year on a 12-month basis effective February 15, 1963.
3. William David Price, 4-H Agent, Monroe County at a salary of \$5800 per year on a 12-month basis effective February 18, 1963.
4. Lylas Dorine Dawson, Home Economics Agent, Chippewa and Mackinac Counties at a salary of \$5400 per year on a 12-month basis effective January 1, 1963.
5. Elizabeth B. Mowery, Home Economics Agent, Calhoun County at a salary of \$6400 per year on a 12-month basis effective February 1, 1963.

NEW BUSINESS, continuedAppointments, continued

6. William A. Tinsley, Assistant Professor (Ext.) of Agricultural Economics at a salary of \$9200 per year on a 12-month basis effective March 1, 1963.
7. Robert Paul Mortlock, Research Associate of Biochemistry, at a salary of \$8000 per year on a 12-month basis effective January 19, 1963 to January 18, 1964.
8. Jorgen Wismer-Pedersen, Associate Professor (Res.) of Food Science at a salary of \$7500 per year on a 12-month basis effective July 1, 1963 to June 30, 1964.
9. Charles H. Kraft, Assistant Professor of Foreign Languages and African Language and Area Center at a salary of \$8,000 per year on a 10-month basis effective September 1, 1963.
10. Jerry M. Anderson, Instructor in Speech at a salary of \$6600 per year on a 10-month basis effective September 1, 1963.
11. Frank Craig Johnson, Associate Professor of Speech at a salary of \$9600 per year on a 10-month basis effective September 1, 1963.
12. Oral Lee Kline, Visiting Professor of Foods and Nutrition without pay effective March 1, 1963.
13. John Henderson Hart, Assistant Professor of Botany and Plant Pathology at a salary of \$8000 per year on a 12-month basis effective March 15, 1963.
14. Ian M. Matley, Associate Professor of Geography, at a salary of \$10,000 per year on a 10-month basis effective September 1, 1963.
15. Clarence Leland Winder, Professor and Chairman of Psychology, at a salary of \$17,500 per year on a 12-month basis effective July 1, 1963.
16. Dale Pretzer, Librarian, at a salary of \$5200 per year on a 12-month basis effective January 1, 1963.
17. Jack Berry, Professor of Foreign Languages and African Language and Area Center at a salary of \$15,000 per year on a 10-month basis effective September 1, 1963.

Appointments

Transfers

1. Harry C. Lund from Agricultural Agent, Midland County to County Director Midland County at a salary of \$7300 per year on a 12-month basis effective February 1, 1963.
2. William L. Bortel, from 4-H Agent Gratiot County to Agricultural Agent Gratiot County, at the same salary of \$6600 per year on a 12-month basis effective February 1, 1963.
3. Duane D. Patrick from 4-H Agent Antrim County to 4-H Agent, Gratiot County at the salary of \$6300 per year on a 12-month basis effective February 1, 1963.
4. Richard E. Sullivan from Professor of History to Professor of History and Humanities Research Center at the same salary of \$11,200 per year on a 10-month basis effective from January 1, 1963 to March 31, 1963.
5. John F. A. Taylor, from Professor of Philosophy to Professor of Philosophy and Humanities Research Center at the same salary of \$12,600 per year effective January 1, 1963 to March 31, 1963.
6. Armand L. Hunter from Professor and Director of Broadcasting Services to Professor and Director of Broadcasting Services and Associate Director of Continuing Education at the same salary of \$17,100 per year effective February 1, 1963.
7. Doris E. Wetters, from Consumer Marketing Information Agent Ingham District to Assistant Program Leader Extension Service at a salary of \$9,000 per year on a 12-month basis effective January 1, 1963.

Transfers

Salary Changes

1. Increase in salary for Paul A. Varg, Dean of Arts and Letters to \$19,000 per year effective February 1, 1963.
2. Increase in salary for Harold R. Henry, Associate Professor of Civil Engineering and Engineering Research to \$13,500 per year effective February 1, 1963.
3. Change in salary for Hugh E. Henderson, Associate Professor, Nigeria Program, to \$14,750 on a 12-month basis effective January 1, 1963.

Salary
Changes

On motion by Mr. Vanderploeg, seconded by Mr. Merriman, it was voted to approve the President's Report, Resignations and Terminations, Leaves, Appointments, Transfers and Salary Changes.

January 25, 1963

NEW BUSINESS, continuedMiscellaneous

- Ch. ef. date
appt. Alvin
House
- Ch. lve K.
Lawton
- Cancel lve
Erling Brauner
- Ch. status
Allen Leepa
2/3 time
- M.S. MacLean
designated
Assoc. Dir
Comm Res Ctr
Ch. source
funds M.Hew-
gill
Reinstatement
R. Hatch
- Ch. Donna
Wiest to
appt. subject
to tenure
- R. Mentzer
assigned to
Guatemala Proj
- Temp ch status
Thelma D.
Hansen
- Correction in
salary Ronald
Mason
- E.B. Harper
temp. Director
Social Work
- Eli Cox
assigned from
Bur Bus &
Econ to Brazil
- W.W. Armistead
assigned to
Nigeria Proj.
- Hugh E. Hender-
son re-
assigned to
Nigeria Proj.
R.H. Nelson
to Nigeria Pro
- Jack C. Ferver
to Taiwan
Project
- James D. Jakus
reinstated
from mil lve.
- Report death
James F.
Michael
also of
Lee Roy Walker
- Report of
death of
Wm. Murphy
- Report of
death of Paul
Honigsheim
1. Change in the effective date of the appointment of Alvin House as Assistant Professor (Extension) of Agricultural Economics from February 1 to April 1, 1963.
 2. Change in effective dates of leave without pay for Kirkpatrick Lawton, Professor of Soil Science and assigned to the Nigeria Project, from November 22, 1962, to January 15, 1963, to November 22, 1962, to December 31, 1962.
 3. Cancellation of Sabbatical leave with pay for Erling B. Brauner, Professor and Chairman of Art. He was granted leave from April 1 to June 30, 1963.
 4. Change in status of Allen Leepa, Associate Professor of Art, from full time at a salary of \$9,000 per year to two-thirds time at a salary of \$6,500 per year on a 10-month basis, effective September 1, 1963.
 5. Designation of Malcolm S. MacLean, Jr. as Associate Director of the Communications Research Center at no change in salary, effective March 1, 1963.
 6. Change in source of funds for the salary of Murray Hewgill, Assistant Professor of Speech, from 100% from 11-4491 to 50% from 11-44-91 and 50% from 71-2335, effective from January 1, to June 30, 1963.
 7. Reinstatement of Raymond N. Hatch as Professor of Education at a salary of \$15,900 per year on a 12-month basis, effective February 1, 1963. Dr. Hatch has been Head of the Ryukyus Mission since August 1, 1961.
 8. Change Donna Mae Wiest, Instructor in Health, Physical Education, and Recreation, from a temporary appointment to a regular appointment subject to tenure rules, effective as of September 1, 1962.
 9. Assignment of Rosalind B. Mentzer, Associate Professor and Assistant to the Dean of Home Economics, to the Guatemala Project at the same salary of \$13,200 per year, effective from February 18 to March 17, 1963, paid from 71-2037.
 10. Temporary change in status of Thelma D. Hansen, Instructor in Home Management and Child Development, from three-fourths time at a salary rate of \$5,150 per year to full time at a salary rate of \$6,867 per year, effective from January 1 to March 31, 1963. The additional salary is to be paid from account 11-2831.
 11. Correction in the salary of Ronald Mason, Consultant in Biophysics, from \$1200 per month for the months of June 1962, November 1962 and January 1963 to:
\$203.20 for June 1962 \$229.40 for November 1962 \$203.30 for January 1963
 12. Designation of Ernest B. Harper, Professor Emeritus of Social Work, as Acting Director of the School of Social Work, effective from March 1 to June 15, 1963.
 13. Assignment of Eli P. Cox, Jr., Director of the Bureau of Business and Economic Research to the Brazil Project with a salary increase from \$17,500 per year to \$19,250 per year, effective from November 11 to December 14, 1962, paid from 71-2025.
 14. Assignment of Dean W. W. Armistead, Dean of Veterinary Medicine, to the Nigeria Program at the same salary of \$24,000 per year, effective from January 5 to January 28, 1963, paid from 71-2024.
 15. Reassignment of Hugh E. Henderson, Associate Professor (Extension) of Animal Husbandry to the Nigeria Program to July 7, 1964, paid from 71-2024.
 16. Assignment of Ronald H. Nelson, Professor and Chairman of Animal Husbandry, to the Nigeria Program at the same salary of \$16,800 per year, effective from February 1 to February 7, 1963, and from February 18 to March 19, 1963, paid from 71-2024.
 17. Assignment of Jack C. Ferver, Assistant Professor (Extension) in the Institute of Extension Personnel Development, to the Taiwan Project at a salary of \$11,600 per year, effective from January 19, 1963 to March 3, 1965, paid from 71-2026.
 18. Reinstatement of James D. Jakus, Painter I in Buildings and Utilities, effective January 2, 1963. Mr. Jakus was granted military leave from July 16, 1962 to January 17, 1963.
 19. Report of the death of James F. Michael on December 17, 1962. Mr. Michael was born on July 18, 1908, and had been employed in Poultry Science since September 8, 1959.
 20. Report of the death of Lee Roy Walker on December 6, 1962. Mr. Walker was born on January 15, 1880, was first employed by the University on July 1, 1915, and was a County Agricultural Agent at the time of his retirement on October 1, 1945.
 21. Report of the death of William Murphy on January 16, 1963. Mr. Murphy was born on July 16, 1888, was first employed by the University on April 1, 1927, and was a County Agricultural Agent at the time of his retirement on July 1, 1954.
 22. Report of the death of Paul Honigsheim on January 22, 1963. Dr. Honigsheim was born on March 28, 1885, was first employed by the University on September 1, 1938, and was Professor of Sociology and Anthropology at the time of his retirement on July 1, 1950.

NEW BUSINESS, continued

Miscellaneous, continued

23. Report of the death of Margaret Hearn, Associate Professor of Textiles, Clothing, and Related Arts, on January 23, 1963. Mrs. Hearn was born on August 12, 1908, and had been employed by the University since September 1, 1938.
24. The death of James E. Hart, Custodian I in Yakeley Hall, was reported at the December Board meeting. It is recommended that his widow be paid his salary through June 30, 1963. Mr. Hart died on November 30, 1962, and had been employed since September 24, 1949.
25. Recommendations from the Director of Personnel, as follows:
- Establish the following positions in the Cooperative Extension Service:
 - Rural Civil Defense Education Coordinator AP-VII, paid 7/8 from 71-7100 and 1/8 from 71-6700
 - Senior Clerk-Stenographer V, paid from 71-7100
 - Establish a Senior Clerk IV in Food Science, paid $\frac{1}{2}$ from 71-6857 and $\frac{1}{2}$ from 71-2199.
 - Reclassify a Clerk-Stenographer III to a Senior Clerk IV position in Education
 - Establish an Assistant, College of Education, AP-II position
 - Establish an Office Assistant X position in Chemistry.
 - Establish an Entomology Technician VIII position in Entomology, paid from 71-2155
 - Establish an Editorial Assistant VII position in Information Services, paid from 71-7100. This is a temporary position.
 - Establish an Executive Secretary VIII position in the Provost's Office.
 - Establish the following positions in the Museum:
 - Curator of the Planetarium AP-VI
 - Planetarium Technician IX
 - Transfer the Board-appointed position of Associate Director of Admissions and Scholarships to an AP-VIII position
 - Establish an Accounting Clerk III position in the University Business Office
 - Establish the following positions in Data Processing:
 - 2 Data Processing Programmers X with a salary range of \$5,400 to \$6,780
 - 2 Senior Data Processing Programmers XI with a salary range of \$5,820 to \$7,200
 - 2 Principal Data Processing Programmers, AP-II with a salary range of \$6,240 to \$7,740
 - Reclassify a Food Supervisor VI to a Food Supervisor VIII position in Dormitories and Food Services, paid from 21-2855
 - Reclassify a Clerk-Typist II to a Senior Clerk IV position in Inventory.
26. Recommendation from the Academic Council that the name of the Department of Business Services be changed to the Department of Business Law, Insurance, and Office Administration, effective February 1, 1963.
27. Recommendation from the Academic Council that the title, Research Associate, for which the degree of doctor of philosophy or its equivalent is required before appointment, be added to those academic titles already approved by the Board of Trustees on October 24, 1958.
28. Letter from Mrs. C. W. Duncan expressing her appreciation for the continuation of her husband's salary for a period of one year beyond the date of his death.

Report of death of Margaret Hearn

Widow of Jas. Hart to receive salary thru 6-30-63

Approval several items from Personnel items.

Business Serv. changed to Business Law, Insurance, and Office Administration

Title-Res. Associate added to academic titles

Contracts awarded for construction storm and sanitary sewers from east Bogue Street to Hagadorn Rd.

Contracts awarded for construction steam tunnels to Chem Bldg and Cyclotron Building

On motion by Dr. Smith, seconded by Mr. Vanderploeg, it was voted to approve items 1 through 28.

29. The following bids were received on January 11 for the construction of storm and sanitary sewers from a point just east of Bogue Street to Hagadorn Road:

	Round Pipe	Elliptical Pipe
Solomon & Sons	\$194,687.78	\$195,678.78
Fisher Contracting Co.	206,711.90	206,711.90
Mead Brothers	208,569.00	208,832.70
Angell Construction	196,734.32	211,384.32
Reed & Noyce	226,137.40	226,137.40
Chris Nelson & Son	244,000.00	247,000.00
Holloway Construction	285,511.00	298,403.00
Odien	258,000.00	None

Since the bid for elliptical pipe is only slightly higher than for the round pipe, it is recommended that a contract be awarded to Solomon & Sons, the low bidder, in the amount of \$195,678.78

On motion by Mr. Merriman, seconded by Mr. Vanderploeg, it was voted to award the contract for the construction of storm and sanitary sewers to Solomon & Sons in the amount of \$195,678.78.

28. On January 8 the following bids were received for construction of steam tunnels to the Chemistry Building and the Cyclotron Building:

General Contractor	Base Bid	Alternate
Hausmann Construction	\$69,750.00	
Hanel-Vance	76,300.00	
Clark Construction	79,800.00	
The Christman Company	80,314.00	
Forsberg, Inc.	89,499.50	
Siwek Construction	99,925.00	

continued - -

NEW BUSINESS, continuedMiscellaneous, continued

28. Bids for construction steam tunnels to Chemistry Building and Cyclotron Building, continued:

	<u>Base Bid</u>	<u>Alternate</u>
<u>Mechanical Contractor</u>		
W. A. Brown	\$ 58,856.00	\$17,600.00
Lorne Plumbing & Heating	62,990.00	17,000.00
United Piping Company	68,150.00	16,000.00
Spitzley Corporation	68,260.00	17,500.00
Shaw-Winkler	77,346.00	17,500.00
John E. Green	77,700.00	18,700.00
<u>Electrical Contractor</u>		
Central Electric	2,137.00	
Barker-Fowler Electric	2,293.00	
Hatzel-Buehler	2,595.00	
Hall Electric	2,600.00	

It is recommended that the following bids be accepted with separate contracts for the work:

Hausmann Construction	\$69,750.00	
Separate contracts deduct	- 500.00	\$69,250
W. A. Brown	\$58,856.00	
Alternate deduct	-17,600.00	\$41,256
Central Electric		\$ 2,137
Total contract price		<u>\$112,643</u>

On motion by Mr. Stevens, seconded by Mr. Merriman, it was voted to approve awarding contracts to the low bidders listed above.

Mr. Harlan did not vote on this motion.

29. On January 10 the following bids were received for the Chemistry Building:

<u>General Contractor</u>	
Erickson & Lindstrom Construction Co., Inc.	\$1,919,444
Spence Brothers	1,921,390
Christman Company	1,959,000
Sorensen-Gross Construction Co.	1,959,104
A. Z. Shmina & Sons Co.	1,962,000
Miller-Davis Company	1,974,000
Collinson Construction Co.	2,091,000

<u>Mechanical</u>	
Robert Carter Corporation	1,468,000
Lorne Plumbing & Heating Co.	1,471,000
Eames & Brown, Inc.	1,495,000
Spitzley Corporation	1,543,800
John E. Green Plumbing & Heating Co.	1,580,000
Shaw-Winkler, Inc.	1,648,967
Donald Miller Company	1,896,400

<u>Electrical</u>	
Fischbach, Moore & Morrissey, Inc.	290,066
Hatzel & Buehler, Inc.	303,087
Hall Electric Company	304,600
Lansing Electric Motors	305,693
Kent Electric Company	309,000
Whittaker Electric Co.	315,900
Central Electric Motor Construction Co.	336,500
Southeastern Electric Co., Inc.	349,940
Switzer Electric Company	378,029
Post Electric Company	418,789

<u>Elevators</u>	
Haughton Elevator Company	74,097
Otis Elevator Company	74,858
Detroit Elevator	88,750
Westinghouse Electric Corporation	90,127

In addition to the base proposal, bid documents call for quotations on 11 alternates. Alternate No. 1 covered four additional bays which could be added to the building if the bids were satisfactory. The construction bids amounted to approximately \$19 per square foot, exclusive of architect's costs and fixed equipment. Therefore, it is recommended that Alternate No. 1 be accepted and that contracts be awarded to the low bidders in the following amounts:

Erickson & Lindstrom Construction Co., Inc.	\$2,167,488
Robert Carter Corporation	1,737,700
Fischbach, Moore & Morrissey, Inc.	340,740
Haughton Elevator Company	74,097
	<u>\$4,320,025</u>

continued - -

Contracts
awarded for
Chemistry
Building

NEW BUSINESS, continued

Miscellaneous, continued

29. Bids on Chemistry Building, continued:

It is recommended that the following budget be established:

Construction	\$4,320,025
Architect	213,000
Laboratory Equipment	700,000
Utilities	200,000
Site Development	55,000
Parking Allocation	230,000
Furnishings and equipment	170,000
Contingency, bonds, and supervision	111,975
	\$6,000,000

On motion by Mr. Merriman, seconded by Mr. Stevens, it was voted to award contracts to the low bidders as outlined above.

30. On December 7 the following bids were received for a parking ramp which will hold 997 cars:

Contracts
awarded to
low bidders
on Parking
Ramp

General Contractor	Base Bid	Alt #1 Brick	Alt. #2 Alt. Panel	Alt. #3 Omit paint	Alt. #4 Piling	Alt. #5 Mult. Caissons	Deduct for sep. Contracts
Spence Bros.	\$1,233,390	+27,000	+53,700	-32,500	+5,500	N.Q.	-1,800
A. J. Etkin	1,278,200	+41,600	+10,900	-33,600	+2,000	+90,000	-2,500
Christman	1,303,000	+30,500	+51,885	-30,000	+9,500	+90,000	-1,000
Clark Const.	1,506,209	+24,315	+51,885	-33,670	+6,200	N.Q.	- 300
Sorensen-Gross	1,550,674	+28,000	+55,000	-30,289	+6,200	+80,000	N.Q.

Mechanical

Shaw-Winkler	\$107,000
Spitzley Corp	107,071
Robert Carter	107,800
Phoenix Sprinkler	116,400
Dard, Inc.	115,370
W. A. Brown Corp	115,018
United Piping & Erecting Co.	116,750

Electrical

Lansing Electric	59,822
Hatzel & Buehler	60,500
Kent Electric Co.	60,900
Hall Electric Co.	61,888
Central Electric	65,639
Barker-Fowler	68,556

Elevator

Westinghouse Electric	41,781
Otis Elevator Co.	47,774
Haughton Elevator	44,711

At the present time we are not convinced that an elevator is necessary. It is recommended that the contracts be awarded the low bidders, as follows:

Spence Brothers	\$1,233,390
Shaw-Winkler	107,000
Lansing Electric	59,822

On motion by Dr. Smith, seconded by Mr. Vanderploeg, it was voted to award contracts to the low bidders as recommended above.

31. Bids were received January 22 on the Buildings and Utilities Shops Building:

Contracts
awarded to
low bidders
B & U Shops
Building

General Contract

Granger Bros. Construction Co.	\$ 546,880
Foster-Schermerhorn-Barnes	547,938
Haussman Construction	548,400
O'Harrow Construction	555,346
Granger Construction	563,400
The Christman Company	564,500
Banta-Brooks, Inc.	566,000
Hanel-Vance	575,140

Mechanical

W. A. Brown Corporation	135,900
M. E. Cole Co.	141,165
Shaw-Winkler, Inc.	147,562
Lorne Co., Inc.	152,990
Dard, Inc	155,500
Spitzley Corporation	160,960
C. L. Mahoney	161,316
United Piping & Erecting Co.	177,600

NEW BUSINESS, continuedMiscellaneous, continued

31. Bids on Buildings and Utilities Shops Building, continued:

Electrical

Hatzel & Buehler	\$ 85,900
Central Electric	90,240
Barker-Fowler Electric Co.	101,985
Kent Electric	104,000
Hall Electric	104,990

Successful bidders are as follows:

Granger Bros. Construction Co.	\$546,880
W. A. Brown Corporation	135,900
Hatzel & Buehler	85,900
	<u>\$768,680</u>

On motion by Mr. Vanderploeg, seconded by Dr. Smith, it was voted to approve awarding the contracts to the low bidders recommended above.

Gifts and
Grants

Gifts and Grants

1. Gift of miscellaneous hydraulic power components valued at \$250 from the Detroit Transmission of General Motors Corporation of Ypsilanti to be used in Agricultural Engineering under the direction of B. A. Stout.
2. Gift of a vacuum closing machine and attachments, a vacuum pump plus attachments, and a vacuum closing machine with auxiliary equipment valued at \$15,747 from the American Can Company of New York City to be used under the direction of L. J. Bratzler and C. L. Bedford in Food Science.
3. Gifts with a total value of \$11,741 for the University Museum. (The Complete list is on file in the Secretary's Office.)
4. Gift of an antique chair, Spanish in general design and Italian renaissance carving, valued at \$500 from Mrs. R. Bliss Wolf of Grosse Pointe for the Museum.
5. Scholarship grants as follows:
 - a. For the Miss America Pageant Scholarship, account 31-1410, for a scholarship for Carole Jean Van Valin:
 - (1) \$1000 from Miss America Pageant of Atlantic City, New Jersey
 - (2) \$1000 from Michigan Pepsi-Cola Scholarship Foundation of Muskegon
 - b. For previously established scholarships:
 - (1) \$10,000 from the Schlitz Foundation, Inc. of Milwaukee, Wisconsin
 - (2) \$600 from the Michigan Frozen Food Packers Association of Benton Harbor for the Food Science fund.
 - (3) \$600 from General Motors Metallurgical Scholarship Fund of Warren.
 - (4) \$100 from William R. Johnson Post No. 205 of East Lansing for the William Riker Johnson Scholarship.
 - (5) \$5000 from Henry L. Caulkins of Detroit for the Caulkins Foundation Scholarship Fund
 - (6) \$7500 from Ralph R. Calder of Detroit for the Helen Calder Nursing Scholarship
 - (7) \$216 from Tom A. Johnson of East Lansing for the Tom Johnson Veterans Scholarship
 - (8) \$1000 from Fred A. Simonsen of Detroit for the Fred A. Simonsen Scholarship
 - (9) \$10 from Mu Phi Epsilon Alumnae of Dimondale to be added to the Mu Phi Epsilon Scholarship Fund.
 - (10) \$25 from Vice President Gordon Sabine to be deposited in the MSU Faculty Scholarship Fund
 - (11) \$500 from Rockford High School for the Victor and Gertrude Krause Scholarship.
 - (12) For the Michigan Bankers' Scholarship Fund:
 - (a) \$100 from The Owosso Savings Bank
 - (b) \$100 from Frankenmuth State Bank
 - (c) \$100 from The State Savings Bank of West Branch
 - (d) \$100 from the Kiwanis Club of West Branch
 - (13) For the Cooperative Elevator and Farm Supply Scholarship Fund:
 - (a) \$500 from the Michigan Elevator Exchange of Lansing
 - (b) \$425 from Farm Bureau Services of Lansing
 - (14) \$200 from the Michigan Feed and Grain Dealers of East Lansing for the General Elevator and Farm Supply Scholarship Fund.
 - c. To aid specified students:
 - \$400 from the Government of the Province of Alberta, Canada
 - \$100 from Alpha Kappa Alpha Sorority of Columbia, South Carolina
 - \$500 from the American Missionary Association, Board of Home Missions, of New York City
 - \$200 from Gladys Olds Anderson of Lansing
 - \$100 from Arundel Senior High School of Gambrills, Maryland
 - \$150 from the Association on American Indian Affairs, Inc., of Cambridge, Massachusetts
 - \$100 from Center Line Business and Professional Womens Club of Center Line
 - \$100 from the Dowagiac Union School District
 - \$100 from East Longmeadow Scholarship Foundation of East Longmeadow, Massachusetts
 - \$300 from the Foundry Educational Foundation of Cleveland, Ohio
 - \$667 from the Grand Lodge of Free and Accepted Masons of Dearborn

continued - -

NEW BUSINESS, continuedGifts and Grants, continuedGifts and
Grants

5. Scholarship grants, continued:

c. To aid specified students, continued:

- \$500 from Independent Slaughterers of Detroit for a 4-H member
- \$138 from the Kalamazoo Gazette
- \$95 from La Societe Des 40 Hommes et 8 Chevaux Ingham Voiture Local No. 946 of Lansing (transferred from MSU Development Fund account 31-1190)
- \$100 from the Macomb County Alumni Club (transferred from MSU Development Fund account 31-1190)
- \$1250 from the Mooseheart Alumni Association of Mooseheart, Illinois
- \$500 from the National Association of Negro Business and Professional Women's Clubs, Inc., of New York City
- \$150 from the National Council, Protestant Episcopal Church, of New York City
- \$300 from the Newton Area Scholarship-Leadership Fund, Inc., of Newton, New Jersey
- \$150 from Palen-Klar Scholarship Fund of Greenwich, Connecticut
- \$362.50 from Princeton University
- \$84 from Ratner, Miller, Shafran Foundation of Cleveland, Ohio
- \$500 from the Tiscornia Foundation, Inc., of St. Joseph
- \$300 from Watkins Products, Inc., of Winona, Minnesota, for two 4-H members

6. Grants as follows to be used under the direction of N. P. Ralston in Cooperative Extension Service to subsidize Extension work in the respective counties:

- a. \$2000 from the Cass County Board of Supervisors
- b. \$250 from the Kent County Board of Supervisors
- c. \$1125 from the Monroe County Board of Supervisors
- d. \$1000 from the Montcalm County Board of Supervisors

7. Grant of \$1,250 from Robert R. Nathan Associates, Inc., of Washington, D.C., to be used under the direction of N. P. Ralston in the Cooperative Extension Service to explore the possibilities of organizing commercial fishermen in the Upper Peninsula to establish a commercial fish business and develop a quality product to be supplied to large markets.

8. Grants as follows to be used under the direction of R. G. Mawby in 4-H Clubs:

- a. \$450 from Michigan Artificial Breeders of East Lansing to send the 4-H Dairy Judging Team to Waterloo, Iowa.
- b. \$250 from Farm Bureau Services, Inc., of Lansing to send the St. Joseph County Livestock Judging Team to the American Royal in Kansas City
- c. \$2,346 from the National 4-H Service Committee, Inc., of Chicago to pay the cost of sending 23 delegates to the National Club Congress in Chicago.
- d. \$310 from the 4-H Club Foundation of Michigan for the Conservation Leaders Workshop at Camp Kett.
- e. \$500 from the Montcalm County 4-H Clubs of Stanton for an IFYE delegate.

9. Grant of \$6,890 from the Tennessee Valley Authority of Knoxville, Tennessee, to be used under the direction of G. L. Johnson in Agricultural Economics to facilitate field and other experimental work in determining the effects of various plant nutrients on crop yield response. Provision is made for special graduate research assistants.

10. Renewal of a memorandum of agreement with the Michigan Committee on Rural Electrification covering a grant of \$12,494.14 to be used under the direction of D. E. Wiant in Agricultural Engineering in support of the cooperative television project.

11. Renewal of a memorandum of agreement with the Michigan Committee on Rural Electrification covering a grant of \$2,252.25 to be used under the direction of D. E. Wiant in Agricultural Engineering in support of the cooperative radio program, "Electricity at Work for You".

12. Grant of \$5,000 from The J. S. Mack Foundation of Homer City, Pennsylvania, to be used under the direction of R. H. Nelson in Animal Husbandry for the improvement or purebred herds at the University.

13. Grant of \$4,000 from the Michigan Bean Shippers Association of Saginaw to be used under the direction of R. J. Evans in Biochemistry to isolate the proteins of dry navy beans, and to characterize the proteins and study the biological activities and nutritive values of each protein isolated. Provision is made for a special graduate research assistant.

14. Grant of \$9,706 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of J. L. Fairley in Biochemistry for a study of mechanisms of pyrimidine biogenesis in Neurospora. Provision is made for a special graduate research assistant.

15. Grant of \$15,870 from the National Institutes of Health to be used under the direction of R. G. Hansen in Biochemistry for a study of the formation and utilization of Galactose.

16. Grant of \$4,800 from the Michigan Turfgrass Foundation of East Lansing to be used under the direction of James Beard in Farm Crops for research on turf.

17. Grant of \$1,000 from the Geigy Chemical Corporation of Yonkers, New York, to be used under the direction of W. F. Meggitt in Farm Crops for soil residue studies.

NEW BUSINESS, continuedGifts and
GrantsGifts and Grants, continued

18. Grant of \$1,500 from the Michigan Certified Hybrid Seed Corn Producers Association of East Lansing to be used under the direction of E. C. Rossman in Farm Crops for studies of breeding methods and inheritance studies on field corn.
19. Grants as follows from the National Institutes of Health to be used under the direction of R. C. Ball in Fisheries and Wildlife:
 - a. \$1292 to continue a study of fundamental productivity in a stream.
 - b. \$4,485 for water quality investigation
 - c. \$14,116 to study relationships of stress patterns in fish as related to stream pollution
20. Grants as follows from the National Institutes of Health to be used in Food Science:
 - a. \$10,982 under the direction of A. M. Pearson and B. S. Schweigert for isolation and identification of meat flavor components.
 - b. \$16,057 under the direction of I. J. Pflug to study the destruction of bacteria by heat
21. Grant of \$500 from the Continental Can Company of New York City to be used under the direction of J. W. Goff in Forest Products for supplies, equipment, student payroll, et cetera.
22. Grant of \$100 from Joseph D. Allen of Lacon, Illinois, to be used under the direction of W. B. Lloyd in Forest Products to be added to the student loan fund of Sigma Lambda Chi to assist needy students in the Lumber Merchandising and Residential Building Majors.
23. Renewal of a memorandum of agreement with the Society of American Florists and Ornamental Horticulturists of Washington, D.C., covering a grant of \$700 to be used under the direction of L. J. Tolle and P. R. Krone in Horticulture to determine the nature and purposes for which flowers and floral art are used in liturgical and ecclesiastical affairs.
24. Approval of a memorandum of agreement with the American Poultry & Hatchery Federation of Kansas City, Missouri, covering a grant of \$1,000 to be used under the direction of R. K. Ringer in Poultry Science to study the influence of cholesterol infusion to the embryo and that of the yolk sac on subsequent spontaneous atherosclerosis.
25. Renewal of a memorandum of agreement with the Tennessee Valley Authority of Wilson Dam, Alabama, covering a grant of \$4,300 to be used under the direction of E. C. Doll, J. A. Porter, and L. S. Robertson in Soil Science to conduct a regular test-demonstration fertilizer program.
26. Grants as follows to be used under the direction of J. D. Edwards in Accounting and Financial Administration to help provide financial assistance to Doctoral candidates in the area of accounting:
 - a. \$150 from Arthur Andersen & Company of Chicago, Illinois
 - b. \$150 from Mark D. Littler of Detroit
 - c. \$1,500 from the Price Waterhouse Foundation of New York City
27. Grant of \$500 from the Michigan National Bank of Lansing to be used under the direction of J. D. Edwards in Accounting and Financial Administration to help defray the expenses of a student or students majoring in the field of banking.
28. Grant of \$39,340 from the United States Air Force of the Wright Patterson Air Force Base, Ohio, to be used under the direction of J. D. Edwards in Accounting and Financial Administration for the educational program of the Air Force Controllership Officers.
29. Grant of \$10,000 from the United States Office of Education, Title IV, of Washington, D.C., to be used under the direction of R. F. Lanzillotti in Economics to provide an expanded program in the field of Econometrics.
30. Grant of \$4,200 from the Frawley Fund of Detroit to be used for fellowships for faculty members in the School of Hotel, Restaurant, and Institutional Management.
31. Grant of \$1,500 from the Perk Dog Food Company of Chicago to be used under the direction of E. M. Barnet in Marketing and Transportation Administration; \$1,000 to be used for a scholarship in the Mass Marketing Management program, and \$500 for administration of the program.
32. Grant of \$125 from the Sales and Marketing Executives of Flint to be used under the direction of T. A. Staudt in Marketing and Transportation Administration to advance programs on all levels of instruction.
33. Grant of \$700 from the Inland Daily Press Association Fund of Chicago, Illinois, to be used under the direction of Paul J. Deutschmann in the Communications Research Center to continue the study of community attitudes toward newspapers.
34. Grants as follows to be used under the direction of Malcolm MacLean, Jr., in the Communications Research Center:
 - a. \$1,000 from Newsweek of New York City for an exploratory study for the purpose of developing research proposals.
 - b. \$774 from Time-Life Broadcast, Inc., of Grand Rapids for a study of the images of WOOD-TV and other Grand Rapids institutions among advertisers, civic leaders, and general public for development of public relations and promotional strategy.

January 25, 1963

NEW BUSINESS, continuedGifts and Grants, continuedGifts and
Grants

35. Approval of a memorandum of agreement with the International Business Machines Corporation of New York City covering a grant of \$26,867 to be used under the direction of R. J. Reid in Engineering Research for analysis and computer simulation of memory arrays and circuits.
36. Approval of a memorandum of agreement with Systems Research Laboratories, Inc., of Dayton, Ohio, covering a grant of \$8,319 to be used under the direction of G. P. Weeg in Engineering Research for an investigation of languages and programming for computers.
37. Grant of \$2,000,000 from the National Institutes of Health of Washington, D.C., to be used under the direction of Dean Byerrum in the Institute of Biology and Medicine as matching funds for the construction of a biochemistry building and a surgery and medicine building.
38. Grant of \$96,523 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of Leroy Augenstein in Biophysics to study the possible relationship between molecular organization and mental function; the molecular bases of nerve and brain functioning.
39. Renewal of a memorandum of agreement with the Shell Development Company of Modesto, California, covering a grant of \$500 to be used under the direction of D. J. deZeeuw in Botany and Plant Pathology to support a research assistantship in seed treatment and soil treatment fungicide studies.
40. Grants as follows from the National Science Foundation of Washington, D.C., to be used in Botany and Plant Pathology:
 - a. \$70,000 under the direction of Norman E. Good and Seikichi Izawa for research on the mechanism of the Hill reaction and photophosphorylation.
 - b. \$38,000 under the direction of H. H. Murakishi and G. B. Wilson for research on virus synergy and antagonism in plant cells.
41. Grant of \$5,000 from E. I. duPont de Nemours and Company of Wilmington, Delaware, to be used under the direction of A. I. Popov in Chemistry for a grant-in-aid for fundamental research in chemistry.
42. Grant of \$21,031 from the National Institutes of Health to be used under the direction of Roger Hoopingarner in Entomology for an analysis of bio-products by cytology and genetics.
43. Grant of \$15,400 from the National Science Foundation to be used under the direction of C. P. Wells in Mathematics for support of an undergraduate science education program.
44. Grants as follows from the National Science Foundation to be used in the Department of Physics and Astronomy:
 - a. \$21,000 under the direction of S. K. Haynes for support of an undergraduate science education program.
 - b. \$30,000 under the direction of S. K. Haynes for support of research on Beta-Ray spectroscopy at very low energies.
 - c. \$35,000 under the direction of J. S. Kovacs and Don B. Lichtenberg for support of research on the theory of the interactions of Mesons and Hyperons.
45. Grant of \$24,325 from the National Science Foundation to be used under the direction of M. Isobel Blyth in the Science and Mathematics Teaching Center to provide a program in science and mathematics for 100 selected high school students for a six-week period in the summer of 1963.
46. Renewal of a memorandum of agreement with the Automotive Safety Foundation, Inc., of Washington, D.C., covering a grant of \$2,000 to be used under the direction of A. F. Brandstatter in Police Administration and Public Safety for a continuation of their fellowship.
47. Grant of \$3,400 from the National Science Foundation to be used under the direction of W. H. Form in Sociology and Anthropology for the support of research on patterns of social integration.
48. Grant of \$174 from the American National Red Cross of Washington, D.C., to be used under the direction of E. O. Moe in Sociology and Anthropology to support the study of service to chapters of the American National Red Cross and a study of the relative merits of cash and dispersing orders as a means of dispersing relief funds.
49. Grant of \$5,000 from the Bertram E. Stevens Charitable Trust of Detroit to be used under the direction of Dean Armistead to support the program in Veterinary Medicine.
50. Grants as follows from the National Institutes of Health to be used in the Department of Microbiology and Public Health:
 - a. \$21,107 under the direction of H. L. Sadoff for determination of the mechanism of heat resistance in bacterial endospores.
 - b. \$12,650 under the direction of D. W. Twohy for research on the physiology and nutrition of intestinal flagellates.
51. Grant of \$24,840 from the National Institutes of Health to be used under the direction of P. O. Fromm in Physiology and Pharmacology to study eye disease in hatchery-reared lake trout.

4802 NEW BUSINESS, continued

Gifts and Grants, continued

- Gifts and Grants
52. Renewal of a memorandum of agreement with the Mark L. Morris Animal Foundation of Denver, Colorado, covering a grant of \$4,438 to be used under the direction of W. O. Brinker in Surgery and Medicine for joint disease studies in the dog.
 53. Grant of \$5,000 from The Upjohn Company of Kalamazoo to be used under the direction of R. F. Langham in Veterinary Pathology to promote the training of capable young veterinarians in the specialty of veterinary pathology.
 54. Grant of \$15,920 from the National Institutes of Health to be used under the direction of C. K. Whitehair in Veterinary Pathology to determine the influence of infection on the nutritive requirements of animals.
 55. Renewal of a memorandum of agreement with the Lansing Public Schools covering a grant of \$10,299.39 to be used under the direction of L. C. Frischknecht in Television Broadcasting to further the aims of the Classroom 10 instructional project now in its fifth consecutive year.
 56. Approval of an amendment to the contract with the Agency for International Development covering the India Project which adds \$140,000 in United States funds and \$44,000 in United States-owned rupees and extends the expiration date to March 29, 1965.
 57. Grant of \$75 from Anna B. Grey and Mary D. Thomas of East Lansing to be used under the direction of Homer Higbee in International Programs to provide emergency aid to foreign students.
 58. Gift of 9 shares of common stock of Dow Chemical Company from Guy H. Cannon and Carrie Bullock Cannon of Midland to be used under the direction of R. H. Baker in the Museum and in Zoology to be added to the Museo Dillman S. Bullock Research Fellowship. The stock has a present market value of \$540.
 59. Grants to the MSU Development Fund, as follows:
 - a. \$400 from Leo A. Haak, Professor of Social Science, to be used for a research project.
 - b. 10 shares of Whirlpool Corporation common stock valued at \$362.50 to be credited to the Geldhof Scholarship Fund.
 - c. \$250 from Dr. and Mrs. Glendon Swarthout of Scottsdale, Arizona, to be used for the Glendon and Kathryn Swarthout Writing Prizes.
 - d. \$25,000 from the Ransom Fidelity Company of Lansing. This gift represents pledge payment in full from Mrs. Gladys Olds Anderson and Mrs. Bernice Olds Roe for the Planetarium.
 60. Grant of \$250 from The Holland Evening Sentinel of Holland, Michigan, to be credited to the Discretionary Gifts Fund. The following letter from W. A. Butler, President, accompanied by the check: "Enclosed is a check for \$250 to be used as you see fit to advance the College. With this contribution, goes our best wishes for success in 1963".
 61. Grants as follows to be used under the direction of H. R. Neville in Continuing Education as contributions toward the Christmas Adventure in World Understanding Program:

Ransom Fidelity Company, Lansing	\$300
Ned S. Arbury, Midland	50
J. G. Chapman, Lansing	50
East Lansing Rotary Club	25
United Church Women of Flint	50
Flint Lions Club Auxiliary, Flint	25
Mr. and Mrs. David B. Johnson, Okemos	50
Haslett-Okemos Rotary Club	50
Universal Steel Warehouse Company, Lansing	25
Oldsmobile Division, General Motors Corporation, Lansing	225
Walter W. Neller, Lansing	75
Tranter Manufacturing, Inc., Lansing	100
Plymouth Congregational Church, Lansing	75
Fine Charitable Foundation, Lansing	10
Altrusa Club of Greater Lansing	75
Michigan Bell Telephone Co., Detroit	400

On motion by Mr. Merriman, seconded by Mr. Vanderploeg, it was voted to accept the Gifts and Grants

Reports for Board Members

1. Additional payments to salaried employees since the December Board meeting, as per list on file.

Additional
payments
salaried
employees

Reports for Board Members, continued

1. The following alterations and improvements have been approved since the December meeting of the Board of Trustees and charged to the account numbers indicated:
 - a. Installation in the Chemistry Building of a mass spectrometer valued at \$48,000 purchased with a grant from the National Science Foundation:

Alterations and Improvements, 11-5173	\$ 600	
Natural Science 11-3683	\$ 600	\$1,200
 - b. Improve lighting in Room 118, Agricultural Hall for Extension:

Director Experiment Station 71-6759	\$ 200	
Extension 71-7702	\$ 200	\$ 400
 - c. Install used carpet remnants in Rooms 242, 243, 245, 247, and 249 Education Building, paid from Educ. 11-4363

		\$ 270
		<u>\$1,870</u>

Reports for
Board Members
on alterations
and improve-
ments

MICHIGAN STATE UNIVERSITY-OAKLAND

Michigan State
University-
Oakland Items

1. Recommendation from the Director of Personnel for the establishment of the following positions:
 - a. Departmental Secretary V in the Chancellor's Office
 - b. Conference Supervisor VII in Continuing Education

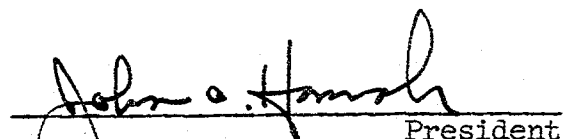
Gifts and Grants

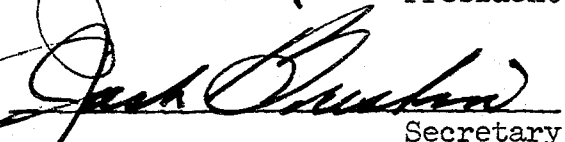
1. Grant of \$156,033 from the National Defense Student Loan Program of the Department of Health, Education, and Welfare of Washington, D.C., for student loans.
2. Scholarships grants as follows:
 - a. \$1,000 from Campbell-Ewald Company of Detroit for the Campbell Ewald Scholarship Fund
 - b. 10 shares of General Motors common stock valued at \$570 for a scholarship fund in the name of Harlow H. Curtice, from R. M. C. Ritchfield of Pontiac
 - c. \$250 from Mr. and Mrs. I. W. Oksenberg of New York City for the Charles Hucker Scholarship For 1963.
 - d. To be credited to the MSU-O Scholarship Account 92-3225:
 - \$162 from Alpha Delta Kappa of Pontiac
 - \$423 from Warren S. Booth of Detroit
 - \$1,000 from The Community National Bank of Pontiac
 - \$150 from the Daughters of The American Revolution of Birmingham
 - \$1,000 from The Detroit Bank & Trust Company of Detroit
 - \$1,000 from the Ford Educational Aid Program of Dearborn
 - \$100 from West H. Gollogly of Troy
 - \$286 from General Motors Girls' Club of Pontiac
 - \$1,000 from the Samuel and Louis Hamburger Foundation of Detroit
 - \$44 from Dan S. Holefca of Rochester
 - \$100 from F. J. and Martha K. Hooven of Bloomfield Hills
 - \$500 from Edwin C. Klotzburger of Warren
 - \$4,000 from Macomb Town Hall, Inc., of Mt. Clemens
 - \$648 from Howard L. McGregor, Jr., of Rochester
 - \$1,500 from the National Bank of Detroit
 - \$648 from the National Foundation of Rochester
 - \$119.57 from Osmun's of Pontiac
 - \$324 from the Royal Oak Business and Professional Women's Club
 - \$139.50 from the Women's National Farm & Garden Association of Union Lake
 - \$100 from James C. Zeder of Bloomfield Hills
 - \$765 from Zonta Club of Pontiac
3. Grant of \$50 from Stephen McK. Du Brull to be deposited to the Roger Kyes Music Fund.
4. Grant of \$30,000 from the Oakland County Board of Supervisors of Pontiac as a contribution to the development of the physical plant.
5. Grant of \$1,000 from the Community National Bank of Pontiac to be deposited in the Discretionary Gift Fund as an unrestricted gift.

On motion by Mr. Harlan, seconded by Mr. Stevens, it was voted to approve all Michigan State University-Oakland items.

The meeting adjourned at 4:40 p.m.

The next meeting of the Board of Trustees will be on Saturday, February 9, with an informal meeting to be held starting with dinner on Friday evening, February 8.


President


Secretary