

MINUTES OF THE MEETING
of the
FINANCE COMMITTEE
October 28, 1960

The Finance Committee convened at 10 a.m. in the Board Room.

The following members were present:

Messrs. Harlan, Huff, Merriman, Smith, Stevens, Vanderploeg; President Hannah, Treasurer May and Secretary Miller

Absent: Dr. Bartlett

1. Earl Cress and Scudder, Stevens & Clark make the following recommendations:

- a. Forest Akers Fund: It is necessary to ratify the action already taken authorizing the sale of the rights to purchase stock in the Middle South Utilities that would have expired October 24.
- b. Pension and Retirement Fund: Recommend purchasing 2,200 shares of Lone Star Cement \$1.20; approximate price, \$23; principal, \$50,600; income, \$2,640; present yield, 5.2%.
- c. \$300,000 U.S. Treasury 4 3/4's mature on November 15. It is recommended that we purchase \$100,000 4 3/4's bonds of American Telephone and Telegraph maturing in 1992, non-callable for the first 5 years, at par; \$100,000 John Deere and Company 4 7/8's bonds maturing in 1985, non-callable for 8 years, at par; and \$100,000 Household Finance bonds at 4 7/8 maturing in 1985, non-callable for 10 years, at 101.

Investment
recommenda-
tions

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

2. On October 14, Mrs. Matilda R. Wilson forwarded stock certificates for 3,000 shares of Clark Equipment Company stock. This stock was quoted on the New York Stock Exchange at $30\frac{1}{2}$ per share on that date, making the total gift amount to \$91,500. It is necessary for the Board to authorize the sale of this stock and the necessary transfer on the completion of such sale. The exact wording of this resolution will be prepared by Attorney Carr.

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

3. Mr. Varner requests that the Board authorize an application to the Federal Housing Administration in the total amount of \$1,100,000--\$600,000 for student housing and \$500,000 for the expansion of the Student Center. The appropriate wording for the form of the resolution required by the Federal Housing Administration will be prepared by Attorney Carr.

Approval reso-
lution re:
student hous-
ing and add.
student ctr
MSU-O

On motion by Mr. Huff, seconded by Mr. Stevens, it was voted to approve the above item.

4. a. It is recommended that the Board authorize an appropriation of \$6,250 to cover the cost of 3 needed improvements in the Horticulture Gardens as follows:
 - 1) A fresh water line to the pool to replace the river water line to eliminate undesirable odors, et cetera.
 - 2) Underdrains in the gardens.
 - 3) Sprinkling system for the gardens using river water.

\$6,250 approp.
for improve-
ments Hort.
Gardens

- b. It is recommended that the Board authorize the purchase of 346 chairs and necessary tables to increase the seating capacity of the University Library. Bids are now being taken on these items, and it is estimated that the cost will be approximately \$17,000.

\$17,000 approp
for chairs &
tables for
Library.

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

5. It is recommended that the Board approve a new policy statement covering patents, as follows:

For patents which are processed at no expense to the University, the faculty inventor shall be awarded the first \$1,000 of income derived from royalties from the invention and 15% of royalties received after the first \$1,000.

If more than one faculty person is involved in the patented process, this amount shall be divided between those involved. If there are two who are equally involved, each would receive \$500 of the first \$1,000 and $7\frac{1}{2}\%$ of the additional revenues.

Policy re:
patents
approved

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

Adjourned.

MINUTES OF THE MEETING
of the
BOARD OF TRUSTEES
October 28, 1960

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

Absent: Dr. Bartlett

The meeting was called to order at 2:00 p.m. in the Heritage Room at Kellogg Center.

The minutes of the previous meeting were approved.

Approval
Finance Com.
Items

SPECIAL MISCELLANEOUS

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

On motion by Mr. Huff, seconded by Mr. Vanderploeg, it was voted to approve the actions of the Finance Committee on the preceding pages.

Swanson Assoc.
Arch. for add.
Stu Ctr MSU-0
Redstone, arch.
stu. housing
MSU-0

2. Chancellor Varner recommended that Swanson Associates be engaged as architects for the addition to the Student Center at MSU-0 and that Louis G. Redstone, architect, be formally designated as architect for student housing at MSU-0.

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

Office Bldg.
named "Manly
Miles Bldg"

3. It is recommended that the building on South Harrison Road leased to federal agencies be formally named "The Manly Miles Building", honoring the first professor of scientific agriculture at this University who was also the first professor of scientific agriculture in the United States.

Classroom
Bldg. named
"Ernst A.
Bessey Hall"

4. It is recommended that the new classroom and faculty office building now under construction be named "The Ernst A. Bessey Hall" in honor of Dr. E. A. Bessey who served this University as Professor of Botany, Head of the Botany Department, and Dean of the Graduate School from 1910 to 1946.

On motion by Mr. Merriman, seconded by Dr. Smith, it was voted to approve items 3 and 4.

\$50 deposit
required of
all new stu-
dents.

5. It is recommended that effective with the fall term of 1961 all new students be required to make a deposit of \$50 as a prerequisite for admission to the University. When a student applies for admission and is advised that he is admissible, he will be required to make a deposit totaling \$50 before a stated date. If the deposit is made, the student will be regarded as admitted. If no deposit is made, there will be no formal admission.

This deposit will be credited to the fees normally charged for the first quarter.

A withdrawal date will be included as a part of the procedure with the deposit refundable if the University is notified prior to a certain date.

On motion by Mr. Vanderploeg, seconded by Mr. Merriman, it was voted to approve Item 5.

6. Communication from Mr. May:

Last night I had a long telephone conversation with Mr. Cress relative to the financing of the new dormitory. At this time it appears that the National Bank of Detroit is not interested in participating for more than \$1,000,000 of new money. Interest rates are also higher than two months ago, which has led Mr. Cress to the conclusion that we should try for a loan through the Housing and Home Finance Agency. Preliminary discussions with Mr. Hazelton in Washington leads him to believe that we can obtain \$3,000,000 on this project with a pledge of the income. The current federal rate is $3\frac{1}{2}\%$.

The National Bank has indicated that it would probably loan another \$1,000,000 on the collateral now assigned to their \$4,500,000 loan. Mr. Cress also believes that they will release 100 married student apartments from their loan and that he can use this to borrow another \$1,000,000 in the open market.

Mr. Cress and I recommend that the Board authorize the filing of an application for a \$3,000,000 loan with the Housing and Home Finance Agency and that I be designated as the official to sign the application and any other necessary documents in connection with the loan application.

Application to
be filed for
loan from
Housing and
Home Finance
Agency for
building of
dormitory

7. The following bids have been received on the air conditioning for the Classroom Building project:

John E. Green Plumbing & Heating Co.	\$108,800
R. L. Spitzley Heating Co.	112,700
Shaw-Winkler, Inc.	115,799
Dard, Inc.	121,400
Davis Bros.	123,900

It is recommended that the Board approve the awarding of the contract to the John E. Green Plumbing and Heating Company, the low bidder.

Contract
awarded to
John Green for
air condition-
ing Classroom
Bldg.

SPECIAL MISCELLANEOUS, continued

8. The following bids have been received for the construction of a 100 PSI steam supply and water service to the Eppley Building:

W. A. Brown Corporation	\$ 10,311
Shaw-Winkler, Inc.	12,784
R. L. Spitzley Heating Company	13,469

It is recommended that the Board approve the awarding of the contract to the W. A. Brown, Corporation, the low bidder.

Contract let to W. A. Brown for const. of 100 PSI steam supply and water service to Eppley Bldg.

9. The following bids have been received for the construction of storm and sanitary sewers for the Eppley Building:

Angell Construction Company	4,935.00
Reed & Noyce	8,220.40

It is recommended that the Board approve the awarding of the contract to the Angell Construction Company, the low bidder.

Contract let to Angell for const storm and sanitary sewers for Eppley Bldg.

10. The following bids have been received on the underground electric and telephone work for the Eppley Center:

Central Electric	3,460.00
Hatzel-Buehler	3,686.00
Hall Electric	3,755.00
Lansing Electric Motors	3,887.09
Barker-Fowler	4,046.00

It is recommended that the Board approve the awarding of the contract to Central Electric, the low bidder.

Contract let to Central Elec. for underground electric and telephone work for Eppley Ctr

11. The following bids have been received for the South Campus sewer interceptor:

Mead Brothers	351,475.00
Kutchins Company, Inc.	360,000.00
Angell Construction Company	377,538.00
McNamara Construction Company	386,000.00
Brown Brothers	390,508.00
Reed & Noyce	403,000.00
Bowen & Fullerton & Dykhouse Brothers	419,200.00
Chris Nelson & Son, Inc.	436,481.00
Vermeersch Construction Company	437,329.50
Canonie Construction Company	618,424.00

It is recommended that the Board approve the awarding of the contract to the Mead Brothers, the low bidder.

Contract let to Mead Bros. for south campus sewer interceptor.

Following is the proposed budget for this project:

<u>Contract--Mead Brothers</u>		
Base Bid	351,475	
Well pointing (negotiated figure of \$6 per foot, maximum footage is 4300 feet)	<u>25,800</u>	\$377,275
<u>Landscape Department</u>		
Tree and plant removal and replacement at apartment area		6,380
<u>Buildings and Utilities, Engineering Division</u>		
Engineering design and supervision		<u>6,345</u>
		<u>\$390,000</u>

It is believed that there will be savings on the de-watering and that it will be possible to take cash discounts on materials so that the total project cost probably will not exceed \$375,000. However, the Board should know of the outside figure of \$390,000.

This project will be financed by charging approximately \$180,000 of the cost to the new dormitory project, \$20,000 to the Engineering project, and the balance to the budget for utility extensions.

12. The following bids have been received for the installation of the underground telephone duct:

E. W. Graft Construction Co.	17,171.40
Industrial Maintenance	17,684.69
P&M Construction Company	20,634.55

It is recommended that the Board approve the awarding of the contract to the E. W. Graft Construction Company, the low bidder.

Contract let to E.W. Graft for undergr. telephone duct.

continued- - -

SPECIAL MISCELLANEOUS, continued

12. Underground telephone duct, continued:

The above contract price covers installation only. The following items are required for the complete telephone duct and conduit system:

Contract, installation of underground duct	\$ 17,171.40
Material, tile duct, manhole covers, etc.	5,000.00
Labor and conduit within campus buildings	10,000.00
Moving plant material and reseeded	4,000.00
Contingencies	2,328.60
Engineering	1,500.00
	<u>\$ 40,000.00</u>

Approximately half of the cost of the telephone duct will be charged to the dormitory and the other half to the account for extension of utilities.

13. Recommendation for an appropriation of \$1,200 to the Board of Student Publications to underwrite a literary magazine with the Department of English responsible for the editorial policy and magazine content. If the Board approves this appropriation, publication will be instigated in the near future, and this subsidy will take care of the costs for the current college year.

On motion by Mr. Vanderploeg, seconded by Mr. Huff, it was voted to approve items 6 through 13. Mr. Harlan did not vote on item 10.

14. In accordance with the discussion at the last Trustee's meeting, a budget request has been submitted to the State Department of Administration. Copies of this request were distributed by Mr. May and explained by him.

On motion by Dr. Smith, seconded by Mr. Stevens, it was voted to approve the budget as presented to the State Department of Administration.

SPECIAL ITEMS

The Trustees have previously authorized awarding contracts to the low bidders, as follows:

1. The Eppley Building:

On September 30 the following bids were received:

General Contractors

Granger Construction	\$ 925,000
Christman Company	960,560
Hanel-Vance Construction	994,975
J. A. Fredman, Inc.	998,880
Granger Bros.	1,008,800

Mechanical Contractors

Shaw-Winkler, Inc.	307,900
R. L. Spitzley Heating Co.	310,660
United Piping and Erecting	333,597
Eames & Brown, Inc.	352,842
Dard, Inc.	357,700

Electrical Contractors

Hatzel & Buehler, Inc.	148,966
Central Electric Motor & Construction Co.	152,354
Hall Electric Co.	154,999
Barker-Fowler Electric Co.	164,377
Lansing Electric Motors	166,817

The budget for this project will be:

Construction	\$1,381,866
Architect	70,000
Contingencies	48,134
	<u>\$1,500,000</u>

2. On September 22 the following bids were received on the Bovine Tuberculosis Research Laboratory:

General Construction

Bud Reniger Construction Company	43,745
Siwek Construction Company	46,470
Clark Construction Company	47,227
Granger Construction Company	47,544
Banta-Brooks, Inc.	48,800
Hanel-Vance Construction Company	49,995
Granger Brothers, Inc.	50,088
Haussman Construction Company	51,147

Mechanical Work

J. A. Dart Company	41,900
Great Lakes	42,348
Shaw-Winkler	42,424
Maurice Cole	42,740

continued- - -

Approval of
contracts
for Eppley
Building.

Grant of
\$1200 made
to Board of
Student Pub.
to underwrite
literary maga-
zine with
Dept. English.

Budget sub-
mitted to
St. Dept. Adm.

SPECIAL ITEMS, continued

2. Bids Bovine Tuberculosis Research Laboratory, continued:

Mechanical Work, continued

C. G. Brenner, Inc.	\$ 43,450
Dard, Inc.	43,499
W. A. Brown Corporation	45,451
R. L. Spitzley Heating Company	45,670
John Lowery	46,500

Contracts
awarded Bovine
TB Research
Lab.

Electrical Work

Lansing Electric Motors	4,000
Central Electric Motors	5,690
Hayes Electric	5,930
Root Electric	6,196
Superior Electric	8,025

In addition to the general construction bids, it will be necessary to install a 3" pressure sewer to the Laboratory. The following bids were received and award of a contract to Mead Brothers is recommended for Board approval:

Mead Brothers	15,641.00
A. J. Miller, Inc	16,821.00
Crandell Trenching Service	18,339.20
Powell Construction Company	19,175.00
J. A. Dart Company	23,500.00
Dard, Inc.	23,600.00
Angell Construction	29,075.00

This facility will be financed through a state appropriation of \$100,000 and a \$10,000 allocation from the Agricultural Experiment Station. The proposed budget for the laboratory is as follows:

General Construction	\$43,745
Mechanical Work	41,900
Electrical Work	4,000
Sewer	15,641
Utilities, Site, Engineering, and Contingencies	4,714
	<u>\$110,000</u>

3. Bids were opened at Michigan State University-Oakland for the Kresge Library project on October 7. Listed below are the bid tabulations:

Contracts
awarded for
MSU-O Kresge
Library proj.

General Contract

J. A. Fredman	750,880
Schurrer Construction Company	802,802
Alfred A. Smith, Inc.	805,000
Perron Construction Company	805,000
O. W. Burke Company	826,900
A. Z. Shmina & Sons	828,200
F. H. Martin Construction	839,500
R. E. Dailey & Company	841,000
Lerner-Linden	844,384
Bundy Construction Company	854,000
F. W. Markward Company	877,000

Mechanical Contract

*Lloyd S. Thornton Company	197,918
Shaw-Winkler	219,384
Eames & Brown, Inc.	220,000
Mech. Heating & Cold	226,500
Goss Mechanical	231,600
John E. Green	238,800
Allen Briggs Co.	239,000
Steve Kruchko Plumbing	241,932
Joseph P. Kropf, Inc.	263,900

Electrical Contract

Cates Electric Company	116,500
Faas Electric Corporation	116,648
Hydon-Brand Company	119,845
Colonial Electric Company	122,165
Fred W. Moote, Inc.	122,924
C. & L. Electric Company	124,820
Schultz Electric Service	126,500
John H. Busby	136,775

Elevator Contract

Detroit Elevator Company	19,889
Ledermann	22,000
Lardner Elevator Company	22,547
Houghton Elevator Company	23,696
Otis Elevator Company	24,703
Acme Elevator Company	26,611

continued - - -

SPECIAL ITEMS, continued

3. Bids Kresge Library Project Michigan State University-Oakland, continued:

Successful bidders were:

J. A. Fredman	General Contract	\$ 750,880
*Shaw-Winkler	Mechanical Contract	219,384
Cates Electric Company	Electrical Contract	116,500
Detroit Elevator Company	Elevator Contract	19,889
		<u>\$1,106,653</u>

*Thornton Company claimed an error and withdrew their bid.

Proposed budget:

Construction	\$1,106,653
Furnishings & Equipment	75,000
Utilities	90,000
Site Improvement	100,000
Architect	57,500
Contingency	70,847
	<u>\$1,500,000</u>

On motion by Dr. Smith, seconded by Mr. Stevens, it was voted to approve Special Items 1, 2 and 3PRESIDENT'S REPORT

Resignations

Resignations and Terminations

- Howard W. Hoyt, Lecturer in Police Administration and Public Safety, September 23, 1960.

Appointments

Appointments

- H. Paul Meloche, Associate (Res.) of Agricultural Chemistry at a salary of \$7500 per year on a 12-month basis effective January 1, 1961 to September 14, 1961.
- George A. Hough, III, Instructor in Journalism at a salary of \$6600 per year on a 10-month basis effective September 1, 1960 to August 31, 1961.
- Lee M. Halstead, Specialist in Education at a salary of \$5000 for the period October 1, 1960 to June 30, 1961.
- Donald Voss, Specialist in Education at a salary of \$3900 for the period October 1, 1960 to June 30, 1961.
- Blanche E. Simon, Assistant Professor of Health, Physical Education and Recreation at a salary of \$5500 per year on a 10-month basis effective from September 1, 1960 to August 31, 1961.
- David A. B. Booth, Assistant Professor of Political Science and Continuing Education at a salary of \$6500 per year on a 10-month basis effective September 1, 1960 to August 31, 1961.
- Gertrude Mason White, Assistant Professor of English at MSU-O at a salary of \$6400 per year on a 10-month basis effective September 1, 1960

Salary Inc.
Norma M. Stafford.Salary Changes

- Increase in salary for Norma M. Stafford, Instructor in Health, Physical Education and Recreation to \$6400 per year effective September 1, 1960.

Ch. in status
Paul G. GrayMiscellaneous

- Change in status for Paul G. Gray, Assistant Professor of Electrical Engineering, from full time at a salary of \$6600 per year to three-fourths time at a salary of \$4950 per year, effective September 1, 1960.
- Change in status for Adolph Eric Smith, Instructor in Electrical Engineering, from three-fourths time at a salary of \$5050 per year to full time at a salary of \$6733 per year, effective September 1, 1960. His salary is to be paid 75% from 11-2751 and 25% from 11-2711.
- Approved the academic title of Assistant Professor of Intercollegiate Athletics for Grady Peninger, effective as of July 1, 1960. His title is to be: Assistant Wrestling Coach and Assistant Professor of Intercollegiate Athletics.
- Authorized the establishment of an account to make it possible for Secretary Miller to undertake a study of our classification system. It is expected that this project will be completed at a total cost of not more than \$10,000.

Ch. in status
Adolph Eric SmithTitle appr.
Grady Peninger-Asst.Prof.\$10,000 approp
to study classification system.Gifts and
GrantsGifts and Grants

- Accepted a grant of \$56,000 from the W. K. Kellogg Foundation of Battle Creek to clear up the net deficit in the Visual Training Program of the National Project in Agricultural Communications and for support of the program during the 1960-62 fiscal year.

NEW BUSINESSResignations and Terminations

Resignations

1. William A. Peterson, Assistant Professor of Hotel, Restaurant and Institution Management effective December 31, 1960.
2. Boyd C. Ringo, Assistant Professor of Civil Engineering, August 31, 1961 to accept a position at the University of Cincinnati.
3. Lung-chi Wu, Assistant Professor (Res.) of Botany and Plant Pathology effective October 31, 1960 to return to Taiwan.
4. Myrtle Merrill, Assistant Professor of Music, October 31, 1960 because of illness in the family
5. Kathleen F. Fenn, Secretary, Vietnam Project, October 18, 1960. Her husband has been transferred by the Army.
6. Helen E. Riggs, Secretary Vietnam Project, October 26, 1960. She has completed her tour of duty.
7. Lois Korslund, Extension TV Editor, Information Services, December 15, 1960 to accept a position with the National 4-H Club Service Committee in Chicago.
8. Kenneth N. Ver Burg, Coordinator Continuing Education, November 8, 1960 to enter private business.
9. Wilma Fae Kuns, Psychometrist, Counseling Center, October 4, 1960.

Leaves--Sabbatical

Leaves

1. Mary A. Hardy, Home Economics Agent, Oakland, with full pay from January 3, 1961 to March 20, 1961 to study at M.S.U.
2. Allen S. Fox, Associate Professor of Agricultural Chemistry with half pay from January 1, 1961 to December 31, 1961 for travel and study in the USSR, Australia and Israel.
3. Ruben V. Austin, Assistant Dean Business and Public Service, with full pay from June 1, 1961 to August 31, 1961 for study and travel in Mexico.
4. Cecil R. Upham, Associate Professor of Accounting and Financial Administration, with full pay from January 1, 1962 to June 30, 1962.
5. Carl L. Strong, Associate Professor of Business Services and Continuing Education with full pay from May 1, 1961 to September 30, 1961 for study and travel in East and South U.S.A.
6. Willa Norris, Associate Professor of Education with full pay from April 1, 1961 to June 30, 1961 for study and travel at M.S.U. and foreign countries.
7. William R. Sur, Professor of Music with full pay from January 1, 1961 to March 31, 1961 to study and write in East Lansing, Boston and Washington.
8. John H. Reinoehl, Associate Professor of Humanities, with full pay from April 1, 1961 to August 31, 1961 for study in East Lansing and Washington.
9. Louis W. Redemsky, Associate Professor of Social Science with half pay from January 1, 1961 to June 30, 1961 for study and travel in England and Europe.

Leaves--Health

1. Clarence C. Mullett, Horticultural Agent, Grand Traverse County, with full pay from October 1, 1960 to November 30, 1960.
2. Dorothy Erler, Assistant Professor (Ext.) Textiles, Clothing and Related Arts with full pay from October 16, 1960 to November 30, 1960.
3. Hazel B. Strahan, Professor of Textiles, Clothing and Related Arts, with full pay from September 1, 1960 to December 31, 1960.
4. Robert W. Starring, Professor of Communication Skills, with full pay from September 26, 1960 to December 31, 1960.

Leaves--Other

1. Walter G. Kirkpatrick, Extension Director, Antrim County, with full pay from October 31, 1960 to December 7, 1960 for Forest Marketing study in South and Southeast.
2. Roger G. Hansen, Professor and Head of Agricultural Chemistry without pay from October 21, 1960 to December 1, 1960 to work for the U. S. Public Health in Thailand.
3. Jerome H. Hemmye, Instructor in Mechanical Engineering, without pay from October 13, 1960 for an indefinite period. He is returning from the Vietnam Project.

October 28, 1960

NEW BUSINESS, continued

Leaves

Leaves--Other, continued

4. Willis W. Armistead, Dean of Veterinary Medicine without pay from November 21, 1960 to December 4, 1960 to become Air Force Consultant on a tour of the South Pacific.
5. William H. Tomlinson, Program Associate, TV Broadcasting without pay from November 1, 1960 to June 30, 1961 to become Consultant at Stephens College.

Appointments

Appointments

1. Catherine E. Cleveland, Home Economics Agent, Gladwin County at a salary of \$5900 per year on a 12-month basis effective November 1, 1960 to October 31, 1961.
2. Ethel Marie Strang, 4-H Club Agent, Ingham County at a salary of \$5000 per year on a 12-month basis effective October 1, 1960.
3. LeRoy R. Dugan, Jr., Associate Professor (Res.) of Food Science at a salary of \$13,500 per year on a 12-month basis effective November 1, 1960.
4. Robert A. Lothian, Lecturer in Police Administration and Public Safety at a salary of \$700 for the period September 26, 1960 to December 12, 1960.
5. Burton D. Friedman, Assistant Professor of Education at a salary of \$9000 per year on a 12-month basis effective January 1, 1961.
6. Chuan-Tseng Wei, Associate Professor of Metallurgical Engineering at a salary of \$11,250 on a 12-month basis effective October 1, 1960.
7. Maude Gillis, Assistant Professor of Music at a salary of \$525 per month from November 1, 1960 to December 31, 1960.
8. Charlotte Paula Albrecht Hess, Specialist in Physics and Astronomy at a salary of \$5200 per year on a 12-month basis effective October 1, 1960 to September 30, 1961.
9. John A. Hostetler, Assistant Professor (Res.) of Sociology and Anthropology at a salary of \$300 per month from November 1, 1960 to August 31, 1961.
10. William Cheney, Consulting Radiologist, Surgery and Medicine, without salary from September 1, 1960 to August 31, 1961.
11. Don M. LeDuc, Lecturer in Surgery and Medicine at a salary of \$300 for the period from October 1, 1960 to June 30, 1961.
12. Clayton Lewis, Consultant Surgery and Medicine without pay from September 1, 1960 to August 31, 1961.
13. Maurice L. Richardson, Consulting Radiologist in Surgery and Medicine without pay from September 1, 1960 to August 31, 1961.
14. Arthur E. Schultz, Consultant in Surgery and Medicine without pay from September 1, 1960 to August 31, 1961.
15. Jack W. Warren, Lecturer in Surgery and Medicine at a salary of \$375 for the period October 1, 1960 to December 31, 1960.
16. Mozell C. Hill, Adviser, Nigeria Project, at a salary of \$16,500 per year on a 12-month basis effective September 9, 1960 to September 8, 1962.
17. Hugh C. Faville, Assistant Professor of Urban Planning and Highway Traffic Safety Center at a salary of \$10,300 per year on a 12-month basis effective September 16, 1960 to September 27, 1960.
18. Emma Jean Anglemeyer, Librarian, Library, at a salary of \$5200 per year on a 12-month basis effective September 24, 1960.
19. Roswell Van Deusen, Specialist, Kellogg Bird Sanctuary, at a salary of \$8200 per year on a 12-month basis effective November 1, 1960.

Transfers

Transfers

1. Wallace A. Keskitalo from 4-H Agent, Houghton-Keweenaw Counties to Extension Director Houghton-Keweenaw Counties at the same salary of \$7900 per year on a 12-month basis effective October 1, 1960.
2. Ralph E. Kirch, from 4-H Agent, Kent County to 4-H Agent at Large at the same salary of \$9500 per year on a 12-month basis effective September 1, 1960.
3. Ben R. Burmester from Associate Professor (Res.) of Poultry Science to Associate Professor (Res.) of Microbiology and Public Health at the same salary of \$1 per year effective October 1, 1960.

Salary inc.

Salary Changes

- David H. Smith 1. Increase in salary for David H. Smith, Assistant Instructor in Farm Crops to \$4700 per year on a 12-month basis effective October 1, 1960.

NEW BUSINESS, continuedSalary Changes

2. Increase in salary for William S. Gunn, Director of Kellogg Feed Research Project, to \$8000 per year effective October 1, 1960.
3. Increase in salary for Carl T. Brehm, Assistant Professor of Economics to \$7000 per year on a 10-month basis effective September 1, 1960.
4. Increase in salary for Darab B. Unwalla, Assistant Professor of Personnel and Production to \$6400 per year on a 10-month basis effective September 1, 1960.
5. Increase in salary for Frank B. Senger, Associate Professor of Advertising to \$10,200 on a 10-month basis effective October 1, 1960.
6. Increase in salary for Ralph H. Smuckler, Associate Dean, International Programs to \$14,300 per year on a 12-month basis effective October 1, 1960.
7. Increase in salary for William L. Finni, Assistant Director of Admissions, to \$9600 per year on a 12-month basis effective October 1, 1960.

Salary inc.

William S. Gunn

Carl T. Brehm

Darab Unwalla

Frank B. Senger

Ralph H.
Smuckler

Wm. L. Finni

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

Miscellaneous

1. Change in status of Leslie M. Reid, Instructor (Research) in Resource Development from full time at a salary of \$8600 per year paid from account 71-6700 to part time at a salary of \$7500 per year paid from account 71-2278, effective from October 21, 1960 to June 20, 1961, when he will return to full-time status.
2. Correction in salary for William E. Henry, Visiting Professor in the Graduate School of Business Administration, from \$15,167 to \$13,000 for the period from September 1, 1960 to March 31, 1961.
3. Reinstatement of Arthur E. Warner, Associate Professor of Business Services, on the University General payroll, effective August 26, 1960. Dr. Warner has been assigned to the Brazil Project since August 25, 1958.
4. Recommendations on the status of Boris P. Pesek, Associate Professor of Economics, as follows:
 - a. Cancellation of leave of absence without pay from January 1 to August 31, 1961.
 - b. Change from a salary of \$8800 per year paid from 11-3421 to a salary of \$6295 for the period from January 1 to August 31, 1961. Of this amount \$300 per month is a tax-free fellowship
5. Correction in the title of Lauren E. Crane from Associate Professor to Assistant Professor in the Office of the Dean of Communication Arts, effective September 1, 1959. Mr. Crane was appointed to an Associate Professorship providing he completed his doctorate. This has not yet been accomplished.
6. Change in salary source for Herbert J. Oyer, Associate Professor of Speech, from 100% University General to \$9,014 from University General account 11-4491 and \$2,186 from account 71-2158, effective from September 1, 1960 to August 31, 1961.
7. Change in salary and salary source for James B. Tintera, Associate Professor of Education, from \$9600 per year on a 12-month basis paid from 11-4361 to a salary of \$12,000 per year on a 12-month basis, paid from Ford Foundation funds, account 71-2251, effective from September 1, 1960, to August 31, 1961.
8. Reinstatement on the payroll of Harry G. Hedges, Assistant Professor of Electrical Engineering, effective September 1, 1960. Mr. Hedges was granted leave without pay from January 1 to September 30, 1960.
9. Change in status of Bernard J. Paris, Assistant Professor of English, from a temporary appointment to a regular appointment subject to tenure rules, effective September 1, 1960.
10. Change in status of Walter Stowe Collins, II, Associate Professor of Music at Michigan State University-Oakland, from a salary of \$8200 per year on a 12-month basis to the same salary on a 10-month basis, effective August 15, 1960.
11. Change in status of Roland John Hidde, Jr., from Assistant in Student Affairs to Assistant Director of Intramural Sports at Michigan State University-Oakland from a temporary to a regular appointment subject to tenure rules, effective September 1, 1960.
12. Change in status of Robert William Holmes, Assistant Professor of Music at Michigan State University-Oakland, from a temporary to a regular appointment subject to tenure rules, effective September 1, 1960.
13. Honorary title of Field Associate on the staff of the University Museum for Karl D. Bailey, retired District Horticultural Agent, effective October 1, 1960.

Ch. status
L.M. ReidCorrection
salary Wm.
HenryReinstatement
Arthur Warner
Aug. 26'60Approval rec.
on the status
Boris P.
PesekCorrection
title Lauren
E. Crane
to Asst. Prof.Ch. salary
source Herbert
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source Jas.
TinteraReinstatement
Harry G.
Hedges 9-1-60Ch. status
Bernard J.
ParisCh. status
Walter S.
Collins IICh. status
Roland John
HiddeCh. status
R. W. HolmesHon. title
Field Assoc. on
staff Univ.
Museum
Karl D. Bailey

NEW BUSINESS, continuedMiscellaneous, continued

- Wilfred Veenendaal title also 14. Additional title of Assistant Director of the Audio-Visual Center for Wilfred Veenendaal with a salary increase from \$8700 to \$9300 per year on a 12-month basis, effective from September 1, 1960 to August 31, 1962.
- Asst. Dir. Audio-Visual
- Add, payment Claude McMillan for accrued annual lve. 15. Recommendation for the payment of \$1,259.38 to Claude McMillan, Jr., Associate Professor of Personnel and Production Administration, for 31 days accrued annual leave, paid from the Brazil Project account 71-2028.
- Chas. F. Schuller assigned to Brazil Proj. 16. Assignment of Charles F. Schuller, Professor and Director of the Audio-Visual Center, to the Brazil Project at a salary of \$15,950 per year, effective from August 15 to September 19, 1960, paid from account 71-2021.
- Ch. sal. srce C.F. Schuller 17. Change in salary source for Charles F. Schuller from 100% University General to 75% University General and 25% from Brazil Project account 71-2021, at his regular salary of \$14,500 per year, effective September 26, 1960, for an indefinite period.
- Assignment Horace Hartsell 18. Assignment of Horace C. Hartsell, Associate Professor and Associate Director of the Audio-Visual Center, to the Brazil Project at a salary of \$13,000 per year on a 12-month basis, effective from August 18, 1960 to August 31, 1962, and paid from account 71-2021. Dr. Hartsell will be Chief of Party of the MSU Audio-Visual Project in Brazil.
- Assignment Al. Edwards to Nigeria Proj. 19. Assignment of Alfred L. Edwards, Assistant Professor of Economics, to the Nigeria Project at a salary of \$9,650 per year on a 12-month basis, effective from September 10, 1960, to September 9, 1962, paid from account 71-2024.
- Assignment L.C. Ferguson Nigeria Proj. 20. Assignment of LeRoy C. Ferguson, Professor of Political Science, to the Nigeria Project at a salary of \$13,000 per year on a 12-month basis, effective from September 1, 1960 to August 31, 1962, paid from account 71-2024.
- Reassign. C.S. Brembeck to Pakistan Proj. 21. Reassignment of Cole S. Brembeck, Professor of Education, to the Pakistan Project to November 30, 1960. Dr. Brembeck will return to the University General payroll on December 1, 1960.
- Assignment H.F. McColly Taiwan Proj. 22. Assignment of Howard F. McColly, Professor of Agricultural Engineering, to the Taiwan Project, at a salary of \$15,000 per year on a 12-month basis, effective from September 15, 1960, to September 14, 1962, paid from account 71-2026. Professor McColly will be Chief of the Party.
- Title-M.J. Turck, Jr. to Asst.Prof. 23. Promotion of Merton J. Turck, Jr., from Instructor to Assistant Professor and transfer from Continuing Education to the College of Education, effective October 1, 1960.
- Title-R.G. Desai to Asst.Prof. 24. Promotion of Ramchandra G. Desai from Instructor to Assistant Professor of Foreign Studies, effective October 1, 1960.
- Title-Wm. T. Ross-Assoc. Prof. 25. Promotion of William T. Ross from Assistant Professor to Associate Professor, effective October 1, 1960. Dr. Ross has a dual appointment in the Department of Social Science and the Office of the Dean of the University College.
- Title-H.L. Dahnke Asst. Dir. Inst. Res. 26. Additional title of Assistant Director of Institutional Research for Harold L. Dahnke, Jr., effective November 1, 1960.
- Death L.J. Braamse 27. Report of the death of Leonard J. Braamse, Assistant Professor (Extension) of Soil Science, on October 1, 1960. Mr. Braamse was born on January 25, 1900, and had been employed by the University since June 14, 1928.
- Widow to receive year's salary. 28. Recommendation that the salary of Leonard J. Braamse be paid to his widow for one year beyond the date of his death.
- Death R. F. Bittner. 29. Report of the death of Ruford F. Bittner, District Extension Agent, on October 24, 1960.
- Widow to rec. salary for 1 yr 30. Recommendation that the salary of Ruford F. Bittner be paid to his widow for one year beyond the date of his death. Mr. Bittner was born Dec. 19, 1911 and has been employed since Aug. 5, 1938.
- Death Floyd Trumpower 31. Report of the death of Floyd Trumpower, Garage Foreman, retired, on October 27, 1960. He was born April 30, 1894 and has been employed at MSU since February 2, 1932.
- Death C. G. Menzies 32. Report of the death of Dr. C. G. Menzies, former Director of the Olin Memorial Health Center, October 4, 1960. He was born February 13, 1902 and has been employed at MSU since Sept. 14, 1953.
- Receipt of note of gratitude from Mrs. Menzies for flowers sent at the time of death.
- Approval several recommendations Director of Personnel 33. Recommendations from the Director of Personnel, as follows:
- Establishment of a Clerical Assistant position on a half-time basis for the District Marketing Education Section of the Cooperative Extension Service in Lenawee County, effective September 1, 1960 paid from account 71-7617.
 - Reclassification of a Technician IIB to a Technician IIIA position in Poultry Husbandry, paid 81% from account 11-3131 and 19% from account 71-6000.
 - Reclassification of a Chemist IIIA to a Chemist VA position in Agricultural Chemistry, paid from account 71-6700.
 - Establishment of a Secretary-Departmental I position in General Communication Arts, paid 50% from account 11-4471 and 50% from account 31-3903.

October 28, 1960

NEW BUSINESS, continuedMiscellaneous, continued

33. Recommendations from Director of Personnel, continued:

- e. Establishment of a Clerk-Stenographer I position in the College of Education, paid from account 71-2014
- f. Establishment of a half-time Clerk-Typist position in Institution Administration, paid from account 71-6700.
- g. Establishment of a Clerk-Stenographer II position in the Office of the Dean of Science and Arts.
- h. Reclassification of a Technician IIB to a Technician IIIA position in Entomology. This position is to be paid 92% from 71-6700 and 8% from 71-2696.
- i. Establishment of a Conference Manager IVB position in Continuing Education and the Kellogg Biological Station with a salary range of \$6240 to \$7500 per year, paid 50% from account 11-5611 and 50% from account 21-2880.
- j. Establishment of a Clerk II position in the University Business Office.
- k. Reclassification of an IBM Operator II to an IBM Supervisor IVAB position in the Tabulating Department, paid from account 11-2591.
- l. Establishment of a Graduate Resident Adviser position in the Dean of Students' Office to be assigned to Owen Hall at a salary of \$960 per year, paid from account 11-1021.
- m. Establishment of a Clerk-Stenographer I position at Michigan State University-Oakland, paid from account 71-2842.
- n. Establishment of the following positions at Michigan State University-Oakland:
 - 1) Clerk III in their Business Office, paid from account 91-9681
 - 2) Food Supervisor IVA, paid from account 21-2820
- o. Reclassification of the following positions at Michigan State University-Oakland:
 - 1) Clerk-Typist to a Library Clerk II position
 - 2) Clerk-Stenographer I to a Library Clerk III position

Approval
recommendations
Director of
Personnel

34. When Mr. Benson, Secretary of Agriculture, recently visited Egypt, the Government of Egypt presented through him to the Government of the United States an Arabian stallion named "Ghali".

Gift to Univ.
of Arabian
stallion

On October 4, Mr. Benson indicated that upon inquiry in this country he learned that the Michigan State University Arabian horse herd was famed as the best publicly owned herd in the United States and that therefore it was the wish of the Government of the United States that this horse be received by Michigan State University as an outright gift.

The President advised Mr. Benson that the University would be happy to accept this gift and would accept delivery upon arrival of the stallion in the United States. The stallion is now in quarantine for 30 days. In accepting the gift, it is understood that the University will pay for the board of the animal during the quarantine period and assume transportation costs from the ship to the quarantine station in New Jersey and from the quarantine station to East Lansing. Our Department of Animal Husbandry is enthusiastic about this.

35. The Council of Deans recommends that the Board approve a special dissertation fee for graduate students;

Approval
dissertation
fee for
graduate
students

- a. A fee of \$300 will be charged for the thesis research program required for the doctorate which shall be in addition to the payment of any required course fees.
- b. The new fee schedule for thesis research shall become effective in the winter term of 1961 for all doctoral students except those who will complete their work and receive their doctorates on or before the end of the 1960-61 academic year. Students who do not complete the work for the doctoral will be charged an appropriate thesis fee determined on the basis of the percentage of work already completed prior to the beginning of the winter term of 1961.
- c. This fee will be collected in installments during the period in which the student is using University facilities and/or staff time.

Name of Dept.
Comm. Skills
changed to
American
Thought and
Language

36. The Council of Deans has approved and recommended to the Board for its approval the recommendation of the University College that the name of the Department of Communication Skills be changed to the Department of American Thought and Language to become effective at the beginning of the next fiscal year, July 1, 1961.

37. Communications have been received from the following urging the Trustees to take favorable action that will assure at the earliest possible moment more adequate facilities for housing the Department of Forestry and related departments:

Receipt of
several
letters re:
better
facilities
for Forestry

George E. Dainty of Raleigh, North Carolina
 Gerald E. Eddy of Lansing, Michigan
 John K. Kroeber of Milwaukee, Wisconsin
 R. L. Olmstead of East Lansing, Michigan
 Thomas J. Rausch of Madison, Wisconsin
 James W. Sargent, Jr., of Dallas, Texas
 Bernard M. Stout of Milwaukee, Wisconsin
 R. J. Grieve of Marquette, Michigan

NEW BUSINESS, continued

Gifts and Grants

Gifts and
Grants

1. Gift of a floor model Visi-graph Board valued at \$14.95 from the Ohio Flock-Cote Company Cleveland to be used in the Instructional Materials Center in the College of Education.
2. Grants to be used for scholarship purposes, as follows:
 - a. To continue previously established scholarships:
 - 1). \$500 from the National Starch and Chemical Corporation of New York City to be used for the Packaging Scholarship fund.
 - 2). \$1600 from The Detroit Edison Company of Detroit for 3 freshman scholarships of \$300 each and 2 upper class scholarships of \$350 each.
 - 3). \$500 from the Biddle Purchasing Company of New York City for the scholarships in Lumber and Building Materials Merchandising.
 - 4). \$1124 from the Union Carbide Educational Fund of New York City for 1 Union Carbide International Scholarship and 1 Union Carbide Corporation Scholarship.
 - 5). \$400 from the Western Electric Company of Chicago to be deposited in account 31-3348.
 - 6). \$279 from the Kiwanis Club of East Lansing for their scholarship to a graduating senior from the East Lansing High School.
 - 7). \$186 from Tom A. Johnson of East Lansing for the Tom Johnson Scholarship Fund.
 - 8). \$350 from The Buffalo Foundation of Buffalo, New York, to continue the Harry S. Hilliker Fund Scholarship.
 - 9). \$23 from the Lions Club of Eaton Rapids to be credited to the Honors College Fund.
 - 10). \$500 from the Harrison Jules Louis Frank and Leon Harrison Frank Memorial Corporation of Detroit to continue the Bulldog Electric Products Company Scholarship in Engineering.
 - 11). \$112 from The Bendix Corporation of Detroit to provide for the increase in tuition scholarships.
 - 12). To be credited to the Elevator and Farm Supply Scholarship Fund, account 31-3314:
 - a). \$200 from the Michigan Feed & Grain Dealers Association of East Lansing
 - b). \$400 from The Central Soya Foundation Trust of Fort Wayne, Indiana
 - c). \$1800 from the Michigan Elevator Exchange and Farm Bureau Services of Lansing
 - 13). \$340 from Weaver & Lingg of Sturgis to be credited to the Michigan Farm Equipment Scholarship Fund, account 31-3336.
 - 14). To be credited to the Michigan Bankers' Scholarship Fund, account 31-3347:
 - a). \$100 from the First Security Bank of Ionia
 - b). \$100 from the Chemical State Savings Bank of Midland
 - b. \$500 from the Michigan Education Association of Lansing to provide a scholarship for a student in Education.
 - c. \$880 from the Ransom Fidelity Company of Lansing to provide assistance for a foreign student.
 - d. \$1000 from the Farmers & Manufacturers Beet Sugar Association of Saginaw to establish a scholarship for a freshman student in Agriculture from the Lower Peninsula. The scholarship is to be used during the freshman, sophomore, and junior years with not to exceed \$500 to be used during the freshman year.
 - e. \$215 from Arthur Coconis of East Lansing to provide financial assistance for a student from Greece majoring in Animal Husbandry.
 - f. \$600 from the Chapman Chemical Company of Palo Alto, California, to establish a Chapman Foundation Scholarship program in Forest Products. This is to provide two \$300 freshman scholarships, the recipients to be needy and possessing qualities of leadership, scholarship, and all-around promise in the forest products field. An additional \$200 each will be made available for the sophomore year.
 - g. \$350 from the Faculty Folk Club of East Lansing to provide assistance for 4 deserving and needy women students selected by a committee of the Faculty Folk Club and the Women's Division of the Dean of Students' Office
 - h. To aid specified students:
 - 1) \$800 from the Worthing Scholarship Fund of Houston, Texas
 - 2) \$1000 from the Edward Arthur Mellinger Educational Foundation, Inc., of Monmouth, Illinois
 - 3) \$93 from the Kalamazoo School District
 - 4) \$500 from The Syosset Scholarship Fund, Inc., of Woodbury, New York
 - 5) \$93 from the Allen Printing Company of Lansing
 - 6) \$480 from the Little Rock Nine Scholarship Fund of Little Rock, Arkansas
 - 7) \$150 from the Order of Job's Daughters of Grand Rapids
 - 8) \$250 from the St. Clair Builders Supply Company of Cleveland, Ohio
 - 9) \$100 from The Little Rock Scholarship Fund of Little Rock, Arkansas
 - 10) \$1050 from The Lansing Motors Carrier Association of Lansing for aid for 6 students
 - 11) \$3500 from the George M. Pullman Educational Foundation of Chicago to aid 7 students
 - 12) \$1000 from The Wurlitzer Foundation of Chicago
 - 13) \$93 from the Alpha Kappa Alpha Sorority of Lansing
 - 14) \$250 from an anonymous donor (Robert Elefeld)
 - 15) \$325 from the Women's Guild Jewish Community Center of White Plains, New York, to aid 2 students
 - 16) \$100 from Herbert C. Gentry of Darien, Connecticut
 - 17) \$100 from the Urban League of Westchester County, Inc., of White Plains, New York
 - 18) \$75 from The Parents' Association Scholarship Fund of New York City
 - 19) \$250 from the Prince Hall Grand Lodge of Lansing
 - 20) \$100 from the American Cancer Society of Three Rivers

MISCELLANEOUS, continuedGifts and Grants, continuedGifts and
Grants

2. Grants to be used for scholarship purposes, as follows:
 - h. To aid specified students, continued:
 - 21) \$200 from the Gerber Baby Foods Fund of Fremont
 - 22) \$500 from the Michigan State Employees Association of Lansing
 - 23) \$1491 from the H. J. Heinz Company of Pittsburgh
 - 24) \$700 from the Elks National Foundation of Boston
 - 25) \$250 from the Buffalo Advertising Club of Buffalo, New York
 - 26) \$166.67 from the Allen County Medical Auxiliary of Fort Wayne, Indiana
 - 27) \$700 from The Enquirer and News of Battle Creek
 - 28) \$200 from the White Plains Student Aid Society, Inc., of White Plains, New York
 - 29) \$300 from the Key Biscayne Community Church of Miami, Florida
 - 30) \$900 from The Statler Foundation of New York City
 - 31) \$1000 from the Production Steel Strip Corporation of Detroit
 - 32) \$1000 from the Farmers and Manufacturers Beet Sugar Association of Saginaw
 - 33) \$1000 from the Houston Endowment Corporation of Houston, Texas
 - 34) \$138 from the Sault Ste. Marie High School
 - 35) \$200 from Shillito's of Cincinnati, Ohio
 - 36) \$300 from the White Plains High School PTA of White Plains, New York
 - 37) \$250 from Mt. Clemens High School
 - 38) \$2,000 from the Betty Crocker Search Scholarship Fund of Washington, D.C., to aid one student in the amount of \$1,500 and another for \$500
 - 39) \$165 from the Grand Rapids Urban League
 - 40) \$335 from the Founders' Fund Institute of Applied Hotel Economics of Detroit
 - i. \$280 from John W. and Madeline S. Shenefield of Bloomfield Hills for the Michigan State University-Oakland Scholarship Fund.
3. Approval of a memorandum of agreement with the Cass County Board of Supervisors covering a grant of \$1,125 to be used under the direction of N. P. Ralston in the Cooperative Extension Service as a contribution toward the salary of Extension Agents in Cass County.
4. Grant of \$2,000 from the Berrien County Board of Supervisors to be used under the direction of N. P. Ralston as a contribution toward the salary of a second 4-H Club Agent in Berrien County.
5. Grant of \$3500 from the Michigan Bell Telephone Company of Detroit to be used under the direction of R. G. Mawby in 4-H Clubs for part of the expense of conducting the 4-H Conservation Camp at Camp Shaw, and to pay for 2 conservation delegates to the 1960 4-H Club Congress.
6. Grant of \$28,000 from the Michigan Department of Agriculture to be used under the direction of R. G. Mawby in 4-H Clubs to pay expenses and premiums arising from the State 4-H Show.
7. Grants as follows to be used under the direction of R. G. Mawby in 4-H Clubs to pay expenses of delegates to the National Dairy Conference in Chicago in 1959.
 - a. \$303.70 from the Michigan Milk Producers Association of Detroit
 - b. \$100 from the Artificial Breeders Association of East Lansing.
8. Grant of \$35,700 from the European Productivity Agency of Washington, D C., to be used under the direction of M. F. Perkins in the College of Agriculture and International Programs to provide training for approximately 22 participants in advanced training in the United States in selected sectors of agriculture. Provision is made for special graduate research assistants.
9. Renewal of a memorandum of agreement with the National Silo Association of Louisville, Kentucky, covering a grant of \$200 to be used under the direction of A. W. Farrall in Agricultural Engineering to carry on research on physical conditions in farm silos.
10. Approval of a memorandum of agreement with the John Bean Division of the Food Machinery and Chemical Corporation of Lansing covering a grant of \$2,000 to be used under the direction of A. W. Farrall in Agricultural Engineering for research on basic principles of harvesting fruits and vegetable crops.
11. Approval of a memorandum of agreement with the American Zinc Institute, Inc., covering a grant of \$1,100 to be used under the direction of A. W. Farrall in Agricultural Engineering to develop and evaluate various types of roof construction using galvanized steel for heating air with solar energy.
12. Approval of a memorandum of agreement with Dawe's Laboratories, Inc., of Chicago, Illinois, covering a grant of \$1,500 to be used under the direction of R. S. Emery and H. W. Newland in Dairy and Animal Husbandry for a study of the nutritive value of gluconic acid.
13. Renewal of a memorandum of agreement with the United States Department of Agriculture of Washington, D. C., covering a grant of \$3,600 to be used under the direction of L. D. McGilliard in Dairy to investigate the effect of environmental influences affecting dairy production records used in proving sires and the determination and utilization of milk composition information in the evaluation of dairy production records.
14. Renewal of a memorandum of agreement with the Ford Motor Company of Dearborn covering a grant of \$3,000 to be used under the direction of C. A. Lassiter in Dairy for a study of the utilization of Di-ammonium phosphate as a nitrogen source for ruminants.

NEW BUSINESS, continuedGifts and Grants, continuedGifts and
Grants

15. Approval of a memorandum of agreement with the Smith, Kline and French Laboratories of Philadelphia covering a grant of \$8,000 to be used under the direction of R. S. Emery in Dairy for a study of ketosis.
16. Renewal of a memorandum of agreement with the National Institutes of Health of Bethesda, Maryland, covering a grant of \$9,924, to be used under the direction of R. C. Ball in Fisheries and Wildlife for a study of fundamental productivity in a stream. The agreement provides for a special graduate research assistant.
17. Grant of \$9,996 from the Sugar Research Foundation, Inc., of New York City to be used under the direction of A. M. Pearson and/or L. J. Bratzler in Food Science to study the role of sugar in flavor development of cured meats. Provision is made for a special graduate research assistant.
18. Approval of a memorandum of agreement with the American Dairy Association of Chicago covering a grant of \$5,500 to be used under the direction of C. M. Stine in Food Science for research on spray-drying of natural cheese. The agreement provides for a special graduate research assistant.
19. Renewal of a memorandum of agreement with Pan American Seeds, Inc., of Paonia, Colorado, covering a grant of \$433 to be used under the direction of Paul R. Krone in Horticulture for research on breeding of flowering plants and related projects.
20. Renewal of a memorandum of agreement with the National Pickle Packers Association of Oak Park, Illinois, covering a grant of \$2000 to be used under the direction of C. E. Peterson in Horticulture for research on the development of F₁ hybrid pickling cucumbers by means of winter seed production programs at a southern location during the winter, and subsequent field and laboratory evaluation of experimental hybrids and parent material. The agreement provides for a special graduate research assistant.
21. Grant of \$1,500 from the National Turkey Federation of Mt. Morris, Illinois, to be used under the direction of R. K. Ringer in Poultry Science for a research fellowship to study aortic rupture in turkeys.
22. Renewal of a memorandum of agreement with the Distillers Feed Research Council of Cincinnati, Ohio, covering a grant of \$2,500 to be used under the direction of P. J. Schaible in Poultry Science for research on the use of dried distillers solubles in the diet of mink during their life cycle.
23. Approval of a memorandum of agreement with the Outdoor Recreation Resources Review Commission of Washington, D.C., covering a grant of \$25,000 to be used under the direction of L. M. Reid in Resource Development to conduct a study of the quality of a nationwide sample of recreational areas as evidenced by user satisfactions and an objective rating of facilities. The agreement provides for a special graduate research assistant.
24. Grant of \$1,000 from Ernst & Ernst of Detroit to provide fellowships for graduate students majoring in the field of accounting. This grant is to be used under the direction of J. D. Edwards in Accounting and Financial Administration.
25. Grant of \$3,100 from The Ford Foundation of New York City to be used under the direction of Hendrik Zwartentseyn in Business Services to study the possible change in the content of the traditional first course in Business Law, in conformity with the changes that have taken place in our present-day society.
26. Grant of \$1,200 from the Lansing Community Services Council of Lansing to be used under the direction of G. J. Aldridge in Social Work for graduate social work education for one student.
27. Grant of \$280 from the Inland Daily Press Association of Chicago to be used under the direction of P. J. Deutschmann in the Communications Research Center to continue an investigation of factors affecting newspaper costs and revenues.
28. Grant of \$500 from the Oldsmobile Division of General Motors Corporation of Lansing to be used under the direction of C. O. Harris in Applied Mechanics for the expenses of the thesis research in the Master's program of a student enrolled on a General Motors graduate fellowship.
29. Grant of \$53,400 from the National Science Foundation of Washington, D.C., to be used under the direction of C. A. Tatro in Engineering Research to study the relation of acoustic emission to some of the fundamental phenomena occurring in imperfect crystals. Provision is made for special graduate research assistants.
30. Approval of a memorandum of agreement with The Upjohn Company of Kalamazoo covering a grant of \$7,310 to be used under the direction of R. A. Zeleny in Engineering Research to determine the degree of dispersion of a solute in an adsorption column due to channeling and diffusion. The agreement provides for special graduate research assistants.
31. Renewal of a memorandum of agreement with the Michigan Heart Association of Detroit covering a grant of \$11,500 to be used under the direction of Dean Porter and Alice Thorpe in Home Management and Child Development to continue the studies on work simplification.

NEW BUSINESS, continuedGifts and Grants, continuedGifts and
Grants

32. Grant of \$7,500 from the Department of Health, Education, and Welfare of Washington, D.C., to be used under the direction of K. A. Stiles in Zoology to develop an animal behavior program. Provision is made for a special graduate research assistant.
33. Renewal of a memorandum of agreement with the National Institutes of Health of Bethesda, Maryland, covering a grant of \$47,668 to be used under the direction of H. R. Hunt in Zoology for research on the role of heredity and related factors in causing dental caries in rats.
34. Grant of \$500 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of H. R. Hunt in Zoology in connection with the production of a homozygous strain of carious resistant rats.
35. Grant of \$7,500 from the Office of Education of the Department of Health, Education, and Welfare of Washington, D.C., to be used under the direction of C. P. Wells in Mathematics to support an expanded program in Mathematics in general and in numerical analysis and computer work in particular.
36. Grant of \$7,500 from the United States office of Education of Washington, D.C., to be used under the direction of S. K. Haynes in Physics and Astronomy for the support of 3 fellowships.
37. Approval of a memorandum of agreement with The American Youth Foundation of St. Louis, Missouri, covering a grant of \$1,000 to be used under the direction of Christopher Sower in Sociology and Anthropology for conducting an evaluative study of the Foundation's program.
38. Grant of \$16,153 from the Department of Health, Education, and Welfare of Bethesda, Maryland, to be used under the direction of D. W. Twohy in Microbiology and Public Health for a study of the physiology and nutrition of intestinal flagellates. Provision is made for special graduate research assistants.
39. Grant of \$8,070 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of Joseph Meites in Physiology and Pharmacology to determine the effects of hormones on the cause and progression of breast cancer.
40. Grant of \$500 from the National Institute of Neurological Diseases and Blindness of Bethesda, Maryland, to be used under the direction of C. C. Morrill in Veterinary Pathology to make a neuropathologic study of nervous disorders of domestic animals.
41. Grant of \$77,800 from the National Science Foundation of Washington, D.C., to be used under the direction of Vice President Muelder for the cooperative graduate fellowships program.
42. Renewal of a memorandum of agreement with the International Cooperation Administration of Washington, D.C., covering a grant of \$304,218.55 to be used under the direction of Deans Taggart and Seelye for the strengthening of education for business administration in Brazil through the Escola de Administracao de Empresas de Sao Paulo.
43. Renewal of a memorandum of agreement with the International Cooperation Administration of Washington, D.C., covering a grant of \$448,722 to be used under the direction of G. L. Taggart in International Programs to render technical advice and assistance to the Government of the Eastern Region of Nigeria on the planning, administration, and operation of the University of Nigeria.
44. Grant of \$500 from the Matilda R. Wilson Fund of Detroit to be used under the direction of L. A. Doyle in Continuing Education as a contribution toward the Christmas Adventure in World Understanding Program.
45. Grant of \$2,000 from the Committee on Institutional Cooperation of Lafayette, Indiana, to be used under the direction of P. L. Dressel in Institutional Research for an inventory of academic offerings.

Reports for Board MembersApproval
alteration and
improvement
items.

1. The following alteration and improvement items have been approved since the meeting of the Board of Trustees on September 16:
 - a. Install vinyl asbestos tile in Room 310C, Horticulture to resist acid \$ 160
 - b. Install plant growth chamber in attic Chemistry Building and supply adequate electrical capacity for future usage building. (\$14,860 of the cost will be paid from National Institute of Health funds and \$1,000 from Alterations and Improvements.) 1,000
 - c. Built-in shelves for Room 101 Morrill Hall for storage for tools and supplies for Foreign Languages 168
 - d. Alterations to Room 313, Physics-Mathematics Building to make the space more usable for Mathematics 1,150

October 28, 1960

NEW BUSINESS, continuedReports for Board Members, continuedApproval
alteration
and improve-
ment items.

1. Alteration and improvement items approved since September 16 Board meeting:

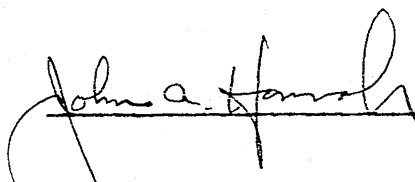
e. Improve lighting Room 2, Olds Hall	\$ 50
f. Install slate blackboard in place of bulletin board in Room 216 Mechanical Engineering Laboratory	85
g. Improve lighting Rooms 406 and 409, Home Economics Building	840
h. Install coat hooks in several classrooms in Natural Science Building	208
i. Reinforce floor in Room 7, Physics-Mathematics Building to carry more weight. This is in connection with an experiment on cosmic rays and involves a 15-ton lead shield on a 6' x 6' area	380
	<hr/> \$4,041

Additional
payments to
staff members.2. Payment of additional amounts to salaried employees since the September 16 Board meeting,
as per list on file.

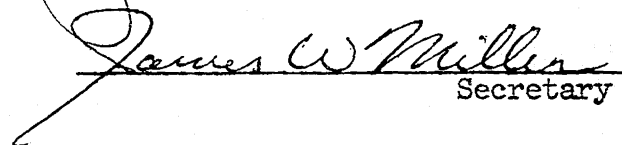
On motion by Mr. Stevens, seconded by Mr. Vanderploeg, it was voted to approve all Miscellaneous Items not already acted upon, Gifts and Grants and Reports for Board Members.

The meeting adjourned at 4:15 p.m.

The next meeting will be held on Friday, November 18.



President



Secretary