

MINUTES OF THE MEETING  
of the  
FINANCE COMMITTEE  
September 22, 1962

The Finance Committee convened at Kellogg Center at 7 o'clock for breakfast.

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

Absent: Mr. Merriman, Mr. Vanderploeg; Dr. Bartlett

1. Mr. May distributed the statement of the year-end balances prior to the report from the auditors.
2. Scudder, Stevens & Clark and Mr. Cress recommend the following investment items:

Finance  
Committee  
Items

Consolidated Investment Fund

Recommend selling

<u>Amount</u>	<u>Security</u>		<u>Approx. Price</u>	<u>Principal</u>	<u>Income</u>	<u>Yield</u>
200 shs	General Foods	1.80	\$ 70	\$14,000	\$360	2.6%

Recommend purchasing:

62 shs	General Motors (holding				124	3.7%
	38 shs)	2.00	54	3,348		
125 shs	Bendix Corporation (holding				300	4.4%
	375 shs)	2.40	54	6,750		
100 shs	Columbia Broadcasting Systems				140	3.7%
	(holding 500 shs)	1.40	38	3,800		
				<u>\$13,989</u>	<u>\$564</u>	<u>4.1%</u>

Forest Akers Fund

Recommend selling:

428 shs	Middle South Utilities	1.10	32	13,696	471	3.4%
120 shs	Gillette	1.10	37	4,440	132	3.0%
				<u>\$18,136</u>	<u>\$603</u>	<u>3.2%</u>

Recommend purchasing:

120 shs	Ohio Edison	1.70	45	5,400	204	3.8%
50 shs	American Telephone & Telegraph					
	Company	3.60	112	5,600	180	3.2%
100 shs	United Aircraft	2.00	48	4,800	200	4.2%
50 shs	Monsanto Chemical					
	(holding 102 shs)	1.00	39	1,950	50	2.6%
				<u>\$17,750</u>	<u>\$634</u>	<u>3.6%</u>

Pension & Retirement Fund

Amount      Security

Recommend exchanging:

\$245,000	U.S. Treasury 4s-5/15/63	100		245,000	9,800	2.9%
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For:

\$245,000	U. S. Treasury 4s-8/15/72	100		245,000	9,800	4.05%
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With available cash, recommend purchasing:

\$60,000	U. S. Treasury 4 $\frac{1}{2}$ s-8-15-92	87	103	61,800	2,550	4.1%
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Fred T. Russ Fund

Recommend selling:

200 shs.	General Foods	1.80	70	14,000	360	2.6%
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Recommend purchasing:

100 shs	General Motors (holding				200	3.7%
	20 shs)	2.00	54	5,400		
71 shs	Columbia Broadcasting Systems				99	3.7%
	(holding 129 shs)	1.40	38	2,698		
Up to						
150 shs	American Natural Gas	1.20	39	5,850	180	3.1%
				<u>\$13,948</u>	<u>\$479</u>	<u>3.4%</u>

Spartan Fund

90 shs	Gillette	1.10	37	3,330	99	3.0%
70 shs	Pepsi-Cola	1.40	40	2,800	98	3.5%
				<u>6,130</u>	<u>197</u>	<u>3.2%</u>
35 shs	National Cash Register	1.20	80	2,800	42	1.5%
35 shs	Norfolk & Western Railway 4+1		90	3,150	175	5.6%
				<u>\$5,950</u>	<u>\$217</u>	<u>3.6%</u>

On motion by Mr. Harlan, seconded by Mr. Stevens, it was voted to approve Item 2.

## Finance Committee items, continued:

## 3. Communication from Mr. May:

Several years ago the Board authorized the investment of cash balances in Treasury Bills and Treasury Bonds having the maturity of approximately four years.

Under that authority we purchased \$2,000,000 U. S. Treasury 3 $\frac{1}{4}$ % securities due May 15, 1963. Recently the Treasury authorized the exchange of these Bonds for U. S. Treasury 3  $\frac{3}{4}$ % Notes due August 15, 1967. Since the new offering carries a  $\frac{1}{2}$ % higher rate, I contacted Mr. Cress to ask whether he concurred in the exchange of these Notes. Under letter dated September 13, he confirmed his oral agreement that these Bonds should be exchanged.

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

## 4. Supplemental allocation of \$7,500 from overhead on overseas contracts to the Dean of International Programs.

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

## 5. Approval of the following resolution relating to the Michigan State University \$6,100,000 Residence Halls Revenue Bonds of July 1, 1962:

Resolution of Board of Trustees of Michigan State University of Agriculture and Applied Science Confirming Issuance and Sale of Residence Halls Revenue Bonds and Proceedings Pertaining Thereto:

WHEREAS, the Board of Trustees of Michigan State University of Agriculture and Applied Science (hereinafter referred to as the "Board"), has heretofore by resolution duly adopted on \_\_\_\_\_, 1962, provided for the issuance of Residence Halls Revenue Bonds in the aggregate principal amount of \$6,100,000 for the purposes set forth in said resolution and in accordance with the provisions of the Official Statement approved by said resolution and made a part thereof; and

WHEREAS, pursuant to the direction contained in said resolution a Trust Agreement between the Board and Ann Arbor Trust Company of Ann Arbor, Michigan, as Trustee, has been duly executed by the designated officers of the University and the Trustee, a fully executed copy thereof being on file with the Secretary of the University, said Trust Agreement being dated as of July 1, 1962; and

WHEREAS, in accordance with the provisions of said resolution herein referred to, and the Trust Agreement, three fully registered bonds in the principal amounts of \$2,600,000; \$2,000,000; and \$1,500,000, numbered R-1, R-2, and R-3, respectively, have been duly issued; said Bond No. R-1 being issued to National Bank of Detroit, Detroit, Michigan; said Bond No. R-2 being issued to The Detroit Bank and Trust Company, Detroit, Michigan; and said Bond No. R-3 being issued to Manufacturers National Bank of Detroit, Detroit, Michigan, all of said bonds being dated July 1, 1962, and payable in installments as expressed on the face of each bond and in the Trust Agreement, with interest at the rate of 3.25% per annum, payable semi-annually as provided in the Trust Agreement. That said bonds have been duly paid for by the above-named banks, and the proceeds applied as provided in the Trust Agreement;

NOW, THEREFORE, BE IT RESOLVED that the Board does hereby approve and confirm the Trust Agreement referred to in the preamble hereto, and the issuance and sale of the three fully registered bonds designated Board of Trustees of Michigan State University of Agriculture and Applied Science Residence Halls Revenue Bonds, No. R-1, No. R-2, and No. R-3, respectively, referred to in the preamble hereto, dated July 1, 1962, pursuant to the authorization provided in the resolution of the Board adopted \_\_\_\_\_, 1962 and the Trust Agreement; and

BE IT FURTHER RESOLVED that all proceedings hereto fore taken relative to said loan and the issuance of the said bonds are hereby ratified and confirmed in all respects.

On motion by Mr. Harlan, Seconded by Mr. Huff, it was voted to approve the above resolution.

Adjourned.

Purchase  
\$2,000,000  
Treasury  
securities

Add. \$7500  
for Dean  
Int Prog.

Approval  
resolution  
re:\$6,100,000  
Residence  
Halls Rev.  
Bonds

MINUTES OF THE MEETING  
of the  
BOARD OF TRUSTEES  
September 22, 1962

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

Absent: Messrs. Merriman, Vanderploeg; Dr. Bartlett

The meeting was called to order at 10:15 a.m.

The minutes of the July meeting were approved.

SPECIAL MISCELLANEOUS

1. Approval of the Finance Committee items on the previous pages.

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

2. Ernst and Ernst appeared before the Board to present the audit for the 1961-62 fiscal year.

On motion by Mr. Stevens, seconded by Mr. Huff, it was voted to accept the audit and approve payment to Ernst and Ernst.

PRESIDENT'S REPORT

Resignations and Terminations

1. Lois K. Nesselth, Home Economics Agent, Chippewa County, August 17, 1962 to accept employment in public school education.
2. Margaret L. Stone, Home Economics Agent, Macomb County, August 17, 1962 to accept a position in the Home Economics Department of the University of Nevada.
3. Donald H. Ecroyd, Professor of Speech, December 31, 1962.
4. Cancellation of the appointment of Beliyar Ramdas Bhat, Assistant Professor of Statistics, August 31, 1962. He was unable to get an extension of leave from Karnatak University.
5. Emma Jean Anglemeyer, Librarian, August 31, 1962.
6. Beatrice Spriggs, Librarian, August 31, 1962.

Leaves--Sabbatical

1. Ruth A. McIlroy, Home Economics Agent, Isabella County, with full pay from September 24, 1962 to December 14, 1962 to study at M.S.U.

Appointments

1. Paul William Thompson, Agricultural Agent, Cass County, at a salary of \$6400 per year on a 12-month basis effective September 1, 1962.
2. Albert Samuel Mowery, District Extension Director Upper Peninsula, and Associate Professor (Ext.) of Continuing Education at a salary of \$12,500 per year on a 12-month basis effective August 15, 1962.
3. Richard W. Chase, Assistant Professor (Ext.) of Farm Crops at a salary of \$8500 per year on a 12-month basis effective August 1, 1962.
4. Brendan Coleman, Instructor in Education, at a salary of \$6000 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
5. Alvin D. Sokolow, Instructor in Political Science and Continuing Education at a salary of \$7600 per year on a 10-month basis effective September 1, 1962 to August 31, 1963 on a 10-month basis.
6. Frank C. Nall, Assistant Professor (Res.) of Sociology and Anthropology at a salary of \$9800 per year on a 12-month basis effective July 1, 1962 to June 30, 1963.
7. Gary W. King, Instructor (Ext.) in Sociology and Anthropology at a salary of \$7500 per year on a 12-month basis effective September 1, 1962 to August 31, 1963.
8. Richard Ben Fetters, Assistant Professor, Intercollegiate Athletics, at a salary of \$7300 per year on a 10-month basis effective September 1, 1962.
9. Robert Conn Immel, Conference Consultant, Continuing Education, at a salary of \$6400 per year on a 12-month basis effective August 1, 1962 to July 31, 1965.
10. James Walter Ney, Specialist, Ryukyus Project, at a salary of \$11,150 on a 12-month basis effective August 22, 1962 to August 21, 1963.

Report of  
Auditors

Resignations

Leaves

Appointments

PRESIDENT'S REPORT, continued

## Salary Changes

Salary Changes

1. Salary increase for Everett H. Everson, Associate Professor (Research) of Farm Crops to \$13,300 per year effective August 1, 1962.

Uel Blank  
trans. to  
Cont. Educ.

Miscellaneous

Erling B.  
Brauner named  
Head Art Dept.

1. Transfer of O. Uel Blank from District Extension Director to Associate Professor of Continuing Education with an increase in salary from \$12,500 to \$13,500 per year on a 12-month basis, effective September 1, 1962, paid 50% from 21-2902 and 50% from 71-7500. Dr. Blank will serve as Associate Director of the Institute for Community Development.
2. Appointment of Erling B. Brauner as Chairman of the Art Department with an increase in salary from \$10,500 on a 10-month basis to \$14,000 per year on a 12month basis, effective September 1, 1962.
3. Change in status of Ralph P. Barrett, Assistant Professor, from the English Department to the English Language Center, effective from September 1, 1962, to August 31, 1963, and paid from account 21-3078 for this period. Mr. Barrett's appointment is subject to tenure rules.
4. Change in terms of leave of absence for Wesley R. Fishel, Professor of Political Science, from full pay to half pay, effective from July 1, to August 31, 1962, with the half pay paid from account 11-3351.
5. Reappointment of James S. Karslake as Acting Chairman of Psychology at an additional salary of \$100 per month, effective July 1, 1962, for an indefinite period.
6. Approved salary corrections in the 1962-63 budget, as follows:

Ch. status  
Ralph P.  
Barrett from  
Engl Dept. to  
Engl Lang Ctr.

Ch. terms lve  
absence Wes-  
ley Fishel  
to half pay  
July 1'62 to  
Aug. 31'62  
J.S.Karslake  
Act.Chrm Psych

Approval  
salary correc-  
tions in  
62-63 budget

		Salary shown in Budget	Correct Salary
W. Lloyd Warner	Personnel & Production & Sociology and Anthropology	\$22,500	\$22,000
Alice W. Wallace	Political Science and Continuing Education	7,600	6,800
Frederic E. Reeve	American Thought and Language	10,300	10,100
Roger Wescott	Foreign Languages and African Language and Area Center	9,700	9,500
O. Grant Reed	Health Service	14,040	14,050
Eugene DeBenko	Library and Education	9,500	8,500

Approval new  
positions in  
Registrar's  
Office.

7. Recommendation from the Director of Personnel for the establishment of the following positions in the Registrar's Office:

An Assistant, Research and Special Reports, AP-III, with a salary range  
of \$6,480 to \$8,220

2 Senior Clerk IV positions.

1 Office Assistant VII position

\$9900 approved  
for alts. to  
Olds Hall for  
Data Proces-  
sing

8. Approved the expenditure of not to exceed \$9,900 for alterations and improvements to Olds Hall so that it may be used by the Data Processing Laboratory, the cost to be charged to Alterations and Improvements 1962-63.
9. Awarded the contract for the grading, storm sewer, and curb work for the South Campus Dormitory Parking Lot to the low bidder, the Angell Construction Company, in the amount of \$18,905. The following bids were received:

Contract for  
grading, storm  
sewer, curb  
work So. Cam-  
pus Dorm let  
to Angell

Angell Construction Company	\$18,905.00
Crandell Trenching Service	19,714.40
T. A. Forsberg, Inc.	19,519.10

\$37,000 author-  
ized for new  
well

10. Authorized the construction of a new well at a cost of \$37,000, charged to the budget for the extension of utilities.

Gifts and  
Grants

Gifts and Grants

1. Grant of \$250,000 from the Department of Health, Education, and Welfare of Washington, D.C. to finance the National Defense Student Loan Fund for 1962-63.
2. Accepted the following grants for scholarship purposes:
  - a. \$900 from Sears-Roebuck Foundation of Chicago to be used for 3 scholarships of \$300 each for freshman students entering the College of Home Economics in the fall of 1962.
  - b. \$500 from the Michigan Association of Civil Engineers and Land Surveyors in Private Practice, Inc., of Detroit to provide scholarship assistance for 1962-63 for a student majoring in civil engineering or geodesy and surveying.
  - c. \$1,050 from an anonymous donor to provide a scholarship for a graduate of Essex County Agricultural High School at Hawthorne, Massachusetts.
  - d. \$3,900 from Sears-Roebuck Foundation of Chicago; \$3,600 to be used for freshman scholarships in the College of Agriculture for 1962-63, and \$300 for the special sophomore Sears-Roebuck award made to the outstanding scholarship winner of the previous year.

PRESIDENT'S REPORT, continuedGifts and Grants, continuedGifts and  
Grants

## 2. Accepted the following grants for scholarship purposes, continued:

- e. \$2,000 from the Ralston Purina Company of St. Louis, Missouri, for a graduate student in Dairy who was the winner of the Company's scholarship.
- f. \$200 from The Chicago Farmers of Chicago for a senior student in agriculture to be chosen by the faculty of the College of Agriculture.
- g. To continue previously established scholarships:
  - 1) \$50 from G. A. Sabine for the MSU Faculty Scholarship Fund, 31-3223.
  - 2) \$30,000 from the William and Sarah E. Hinman Endowment Fund of Lansing to provide for the William and Sarah E. Hinman Scholarships for 1962-63.
  - 3) \$200 from the Wayne County Home Economics Executive Board of Plymouth for the Emma DuBord Scholarship Fund.
  - 4) \$400 from The Central Soya Foundation of Fort Wayne, Indiana, for the General Elevator and Farm Supply Scholarship Fund, 31-3314.
  - 5) For the Michigan Bankers Scholarship Fund, 31-3347:
    - a) \$100 from the Chemical State Savings Bank of Midland
    - b) \$100 from the Peck Branch-State Branch of Sandusky of Peck
    - c) \$100 from the Clinton County Bankers' Association of St. Johns
    - d) \$200 from the First National Bank of Petoskey
  - 6) For the Detroit Cooperative Counselor Training Program, 31-3235:
    - a) \$200 from the Kroger Company
    - b) \$100 from the Michigan State AFL-CIO
    - c) \$200 from the Michigan Bell Telephone Company
    - d) \$200 from Michigan Consolidated Gas Company
    - e) \$200 from the Mobil Oil Company
    - f) \$600 from The Detroit Edison Company
    - g) \$200 from The Budd Company
  - 7) To aid specified students:
    - 1) \$6,000 from the Jewel Tea Company of Melrose Park, Illinois, for 4 students
    - 2) \$300 from the Southbridge Woman's Club of Southbridge, Massachusetts
    - 3) \$500 from The Abbott Foundation of North Chicago, Illinois
    - 4) \$500 from the Pure Oil Company of Chicago
    - 5) \$870 from the Green Foundation, Inc., of Jamaica, New York
    - 6) \$500 from the Santa Maria Valley Scholarship Committee of Santa Maria, California
    - 7) \$3,750 from the Alvin M. Bentley Foundation of Owosso for 5 students
    - 8) \$1,000 from the Kirsch Foundation of S turgis
    - 9) \$750 from The John Huntington Fund for Education of Cleveland, Ohio
    - 10) \$350 from the Dolphin Scholarship Foundation of Norfolk, Virginia
    - 11) \$1,000 from the Cooper Range Foundation of Boston, Massachusetts, for 2 students
    - 12) \$200 from the American Women's Club of Stuttgart, Germany
    - 13) \$600 from the Ingham County Unit of the American Cancer Society of Lansing
    - 14) \$1,000 from the Square D Company of Park Ridge, Illinois, for 2 students
    - 15) \$750 from the Frank Gannett Newspaperboy Scholarships, Inc., of Rochester, N.Y.
    - 16) \$700 from The Cook Foundation of Hamden, Connecticut
    - 17) \$250 from the V.F.W. Tufts Rondon Post #2891 of Crystal Falls
    - 18) \$1,691.63 from the M & S Manufacturing Company of Hudson for 6 students
    - 19) \$500 from the Detroit Free Press of Detroit
    - 20) \$167 from The State Journal of Lansing
    - 21) \$510 from the Kalamazoo Gazette of Kalamazoo for 2 students
    - 22) \$200 from the Southfield Education Association of Southfield
    - 23) \$100 from the Southfield Student Council of Southfield
    - 24) \$100 from the Merchantville Parent-Teacher Association of Merchantville, New Jersey
    - 25) \$200 from the Helen Mackey Memorial Educational Award of the Handy High School of Bay City
    - 26) \$250 from the Woman's Benefit Association of Port Huron
    - 27) \$500 from Michigan Bottlers of Coca-Cola, America's Junior Miss Pageant, Inc., of Mobile Alabama.

## 3. Grants as follows to be used under the direction of N. P. Ralston in the Cooperative Extension Service to cover part of the salaries of Extension Agents:

- a. \$1,500 from the Oceana County Board of Supervisors of Hart
- b. \$3,780 from the Calhoun County Board of Supervisors of Marshall

- 4. Renewal of a memorandum of agreement with the State Association of Mutual Insurance Companies of Lansing covering a grant of \$5,000 to be used under the direction of R. G. Pfister in Agricultural Engineering to provide an Extension Specialist in farm safety and fire prevention work and a more adequate operating budget.
- 5. Grant of \$300 from the Green Giant Company of Le Sueur, Minnesota, to be used in Agricultural Engineering under the direction of B. A. Stout to support basic research work on hearvesting principles and compilation of information on economic factors.
- 6. Grant of \$33 from the Alger-Delta Corporation of Gladstone to be used under the direction of D. E. Wiant in Agricultural Engineering for support of the cooperative radio program "Electricity at Work for You".
- 7. Grant of \$123.92 from the Alger-Delta Corporation to be used under the direction of D. E. Wiant for support of the cooperative television program.



PRESIDENT'S REPORT, continuedGifts and Grants, continued:Gifts and  
Grants

8. Grants as follows to be used under the direction of R. J. Evans in Biochemistry:
  - a. \$2,500 from the Foundation for Cotton Research of Memphis, Tennessee, for a study of the biological action of cyclopropene ring fatty acids on fat metabolism.
  - b. Renewal of a memorandum of agreement with the National Cottonseed Products Association of Memphis, Tennessee, covering a grant of \$2,500 to be used to determine the minimum levels of cyclopropene ring fatty acids contained in cottonseed oil necessary to produce egg white discoloration. The agreement provides for a special graduate research assistant.
9. Grant of \$33,064 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of Allen S. Fox in Biochemistry for a study of the biochemical genetics of protein synthesis and differentiation. Provision is made for special graduate research assistants.
10. Grant of \$2,500 from the Michigan Brewers' Association of Detroit to be used under the direction of J. E. Grafius in Farm Crops to provide technical assistance for the bearley genetic and plant breeding projects.
11. Grant of \$200 from the Regional Plant Introduction Station of Ames, Iowa, to be used under the direction of C. M. Harrison in Farm Crops for an evaluation of a possible new crop plant.
12. Grant of \$2,075 from the Erie Research Committee of the Erie Shooting Club of Erie to be used under the direction of P. I. Tack in Fisheries and Wildlife to assist one or more students in the study of waterfowl.
13. Grant of \$9,000 from the National Live Stock and Meat Board of Chicago to be used under the direction of L. J. Bratzler and A. M. Pearson in Food Science for a study of factors influencing the eating qualities of beef. Provision is made for a special graduate research assistant.
14. Grant of \$3,650 from the C. F. Kettering Foundation of Dayton, Ohio, to be used under the direction of Pericles Markakas in Food Science for a study of the biosynthesis and degradation of anthocyanin pigments. Provision is made for a special graduate research assistant.
15. Grant of \$9,500 from the Whirlpool Corporation of St. Joseph to be used under the direction of D. H. Dewey and S. H. Wittwer in Horticulture and I. J. Pflug in Food Science to determine the influence of generated atmospheres on the physiology of plants and plant products.
16. Approval of a memorandum of agreement with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc., of New York City covering a grant of \$8,600 to be used under the direction of I. J. Pflug in Food Science for a study of design criteria for systems to cool food products. The agreement provides for a special graduate research assistant.
17. Grants from the National Institutes of Health of Bethesda, Maryland, to be used in Food Science, as follows:
  - a. \$7,360 under the direction of A. M. Pearson for research on measurement of the body composition of swine. Provision is made for special graduate research assistant.
  - b. \$10,695 under the direction of L. G. Harmon to determine the thermal death time of Staphylococci in milk. Provision is made for a special graduate research assistant.
  - c. \$8,625 under the direction of J. R. Brunner for studies on the characteristics of the action of rennin on kappa-casein. Provision is made for a special graduate research assistant.
18. The following grants from Griffith Laboratories, Inc., of Chicago, to be used in Food Science:
  - a. \$1,500 under the direction of L. J. Bratzler to renew a graduate student fellowship for an outstanding student.
  - b. \$300 under the direction of B. S. Schweigert to support research.
19. Grant of \$6,000 from the Mobile Homes Manufacturers Association of Chicago to be used under the direction of A. J. Panshin in Forest Products to pay the expenses of completing the Mobile Homes education program.
20. The following grants to be used under the direction of J. W. Goff in the School of Packaging:
  - a. Renewal of a memorandum of agreement with the Proctor and Gamble Company of Cincinnati, Ohio, covering a grant of \$3,000 to be used to conduct basic research on the sealing of packaging materials.
  - b. Renewal of a memorandum of agreement with the Mead Corporation of Cincinnati covering a grant of \$3,000 to be used to conduct basic research on the water vapor permeability of packaging film.
  - c. To be used to conduct basic research on problems related to the sealing of packaging materials at high machine speeds:
    - 1) \$6,000 from the Owens-Illinois Glass Company of Toledo, Ohio
    - 2) \$3,000 from the Packaging Corporation of America of Grand Rapids

September 22, 1962

PRESIDENT'S REPORT, continuedGifts and Grants, continued:Gifts and  
Grants

21. The following grants to be used under the direction of D. P. White in Forestry:
  - a. Renewal of a memorandum of agreement with the Nitrogen Division, Allied Chemical Company, of New York City covering a grant of \$2,500 for the improvement of forest stand and plantation quality by the use of fertilizers and soil amendments.
  - b. \$2,000 from W. R. Grace & Company Research Division of Clarksville, Maryland, for research on the use of metal ammonium phosphates in tree nutrition.
22. Grant of \$250 from The Dow Chemical Company of Midland to be used under the direction of R. L. Carolus in Horticulture for travel in England and Western Europe to study the various uses of plastic film in this area.
23. The following grants to be used under the direction of G. J. Joyaux in Foreign Languages to conduct a Foreign Languages Honors Institute for 37 high school students in French and Spanish:
  - a. \$1,375.60 from the Lansing School District
  - b. \$796.40 from the East Lansing School District
  - c. \$506.80 from the Okemos School District
24. Grant of \$4,000 from The Ford Foundation of New York City to be used under the direction of Dean Seelye in the College of Business for the support of a doctoral candidate in the Graduate School of Business Administration.
25. Grant of \$3,979 and a grant of \$2,799 from The Ford Foundation of New York City to be used under the direction of D. E. McFarland in Personnel and Production Administration for pre-doctoral fellowships in business administration.
26. Grant of \$1,000 from Programs Interamericano de Informacion Popular of the American International Association for Economic and Social Development of San Jose, Costa Rica, to be used under the direction of M. S. MacLean, Jr. and P. J. Deutschmann in the Communications Research Center to analyze the Saucio farm practice adoption study, the Guatemala health and food practice adoption study, and the Costa Rica coffee practice adoption study.
27. Renewal of a memorandum of agreement with the Department of Health, Education, and Welfare of Washington, D.C., covering a grant of \$50,431 to be used under the direction of H. J. Oyer in Speech to train individuals in speech and hearing therapy and methods of clinical rehabilitation and to provide funds for instructional and supervisory personnel.
28. Grant of \$5,000 from the National Committee for Education in Family Finance of New York City to be used under the direction of R. J. Kleis in Education for the training of teachers in family finance education, materials, and methods. Provision is made for a special graduate research assistant.
29. Grant of \$1,840 from the National Science Foundation of Washington, D.C., to be used under the direction of Dorothy Arata in Foods and Nutrition to provide undergraduates with research experience.
30. Grant of \$1,000 from the Ohio Hospital Association to be used under the direction of Myrtle VanHorne in Foods and Nutrition to support the food supervisors course.
31. Grant of \$66,571 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of L. G. Augenstein in Biophysics to study the modifications produced in the critical cellular components, enzymes, by various types of radiations. Provision is made for a special graduate research assistant.
32. Renewal of a memorandum of agreement with the National Institutes of Health of Bethesda, Maryland, covering a grant of \$12,247 to be used under the direction of E. S. Beneke in Botany and Plant Pathology for the selection of oncogenic strains of *Calvatia gigantea*. The agreement provides for special graduate research assistants.
33. Renewal of a memorandum of agreement with the Nitrogen Division, Allied Chemical Corporation, of New York City covering a grant of \$550 to be used under the direction of H. S. Potter in Botany and Plant Pathology for studies on the control of potato scab, using formaldehyde in combination with certain insecticides as a pre-plant treatment.
34. Renewal of a memorandum of agreement with the Socony Mobil Oil Company, Inc., of New York City covering a grant of \$3,279 to be used under the direction of Elmer Leininger in Chemistry for a fellowship for a graduate student majoring in analytical chemistry. This provides \$2,000 for the fellowship, \$279 to cover fees for the recipient, and \$1,000 for unrestricted use of the Chemistry Department.
35. Renewal of a memorandum of agreement with the American Cyanamid Company of Princeton, New Jersey, covering a grant of \$1,500 to be used under the direction of G. E. Guyer in Entomology for insecticide studies on vegetables.
36. Grant of \$1,500 from the Geigy Chemical Company of Yonkers, New York, to be used under the direction of Angus Howitt in Entomology to evaluate the position of candidate insecticides in the fruit research program.

PRESIDENT'S REPORT, continuedGifts and  
GrantsGifts and Grants, continued

37. The following grants to be used under the direction of M. M. Miller in Geology for support of the Summer Field Institute in Glaciology in the Juneau Icefield:
  - a. \$25 from Thomas D 'Arcy Brophy of New York City
  - b. \$500 from Mrs. Thomas J. Watson of New York City
  - c. \$500 from Lowell Thomas of New York City
  - d. \$1,000 from George R. Wallace of Fitchburg, Massachusetts
38. Grant of \$23,000 from the National Science Foundation of Washington, D.C., to be used under the direction of P. H. Doyle and J. G. Hocking in Mathematics for research on invertibility and the theory of manifolds. Provision is made for special graduate research assistants.
39. Renewal of a memorandum of agreement with the National Institute of Mental Health of Bethesda, Maryland, covering a grant of \$10,000 to be used under the direction of Florence C. Kempf in the School of Nursing to integrate mental health concepts in the nursing program.
40. Grant of \$38,000 from the National Science Foundation of Washington to be used under the direction of C. D. Hause and T. H. Edwards in Physics and Astronomy for the determination of molecular constants and magnetic characteristics of molecules by analysis of highly detailed near infrared absorption spectra. Provision is made for special graduate research assistants.
41. Grant of \$42,935 from the United States Atomic Energy Commission of Washington to be used under the direction of Hugh McManus to support theoretical research on scattering problems, including nuclear reactions. Provision is made for special graduate research assistants.
42. Grant of \$44,663 from the United States Air Force of Washington to be used under the direction of D. J. Montgomery and R. D. Spence in Physics and Astronomy to provide equipment for basic research in materials science.
43. Grant of \$15,700 from the United States Army Research Office of Durham, North Carolina, to be used under the direction of Gopinath Kallianpur in Statistics for research in the non-linear problems in probability theory, asymptotic independence and applications to some inference problems in stochastic processes. Provision is made for special graduate research assistants.
44. The following grants from the National Institutes of Health of Bethesda, Maryland, to be used in the Zoology Department:
  - a. \$7,488 under the direction of C. S. Thornton for an investigation of the neural and epidermal mechanisms of limb regeneration in amphibia. Provision is made for a special graduate research assistant.
  - b. \$500 under the direction of J. R. Shaver to purchase supplies and small items of equipment for research for a post-doctoral fellow.
45. Grant of \$2,000 from The Ford Foundation of New York City to be used under the direction of R. F. Lanzillotti in Economics for use in doctoral studies in Economics.
46. Grant of \$300 from Richard J. Ball of Owosso to be used under the direction of S. H. Bartley in Psychology to create the S. Howard Bartley Visual Research Fund, the money to be used for visual research at the discretion of Professor Bartley.
47. Grant of \$2,000 from the Family Service Agency of Lansing to be used under the direction of G. J. Aldridge in Social Work for Social Work education of a graduate student.
48. Renewal of a memorandum of agreement with the Office of Vocational Rehabilitation of the Department of Health, Education, and Welfare of Washington covering a grant of \$20,763 to be used under the direction of G. J. Aldridge in Social Work to assist in the preparation of graduate social work students for employment in physical and mental rehabilitation settings.
49. Grant of \$5,650 from the American Cancer Society, Inc., of New York City to be used under the direction of L. C. Ferguson in Microbiology and Public Health to help establish Dr. Ferguson as an American Cancer Society Scholar at the University of Cambridge, England.
50. Grant of \$110,000 from the United States Department of Agriculture, Animal Disease and Parasite Research Division of Beltsville, Maryland, to be used under the direction of J. A. Ray in Microbiology and Public Health for research on the role of heat-killed micobacteria and feed supplements of animal origin in producing tuberculin hypersensitivity in cattle.
51. Grant of \$8,475 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of Joseph Meites in Physiology and Pharmacology to provide a post-doctoral fellowship for a student from Japan.
52. 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.
53. Grant of \$20,000 from the Michigan Artificial Breeders Cooperative of East Lansing to be used under the direction of C. C. Morrill in Veterinary Pathology, C. A. Lassiter in Dairy, and R. H. Nelson in Animal Husbandry for testing MABC sires, research on Leptospirosis, dairy testing and breeding, and estrus control and artificial insemination.



September 22, 1962

PRESIDENT'S REPORT, continuedGifts and Grants, continuedGifts and  
Grants

54. Grant of \$10,000 from the United States Public Health Service of Washington to be used under the direction of Paul Moore in Continuing Education to develop an extension course in Nursing Home Administration and to make a demonstration presentation of this course.
55. Grant of \$5,000 from the Inter-Industry Highway Safety Foundation of Detroit to be used under the direction of Leslie Silvernale in Continuing Education for scholarships for the advanced course in driver education.
56. Grant of \$100 from the Dairy Herd Improvement Association of East Lansing to be used under the direction of L. T. Frymire in Radio Broadcasting to support production and free distribution of the "Farm Pulse" radio series and other agricultural broadcasts.
57. Grant of \$18,000 from the estate of Albert H. Case through the National Bank and Trust Company of Charlottesville, Virginia, to establish the "Albert Herman Case Fund" which is to be considered a permanent endowment. This gift represents 2,250 shares of South American Gold & Platinum Company at \$8 per share.
58. Grant of \$8,000 from The Rockefeller Foundation of New York City. This is in appreciation for courtesies extended to Rockefeller Foundation Fellows and is to be credited to the Discretionary Gifts Fund.

On motion by Mr. Huff, seconded by Dr. Smith, it was voted to approve the President's Report.

NEW BUSINESSResignations and Terminations

Resignations

1. Marvin H. Wassenaar, Agricultural Agent, Gratiot County, September 15, 1962 to accept employment with the Michigan State Farm Bureau.
2. Ruth F. S. Hunsberger, Consumer Marketing Agent, Traverse City, September 15, 1962.
3. Sally W. Moffett, Home Economics Agent, Mason County, September 7, 1962 to accept a teaching position.
4. Charles L. Beer, Assistant Professor (Ext.) of Agricultural Economics, September 7, 1962 to accept an appointment as Program Leader in Farm Management Extension at the University of Missouri.
5. Donald J. Bowersox, Assistant Professor of Marketing and Transportation, August 31, 1962 to accept an appointment as Vice President of the E. F. McDonald, Inc., Dayton, Ohio.
6. Cancellation of the appointment of Phillips Cutright, Assistant Professor of Communication and Sociology and Anthropology, September 1, 1962.
7. Roy Edelfelt, Associate Professor of Education, September 30, 1962 to accept a position as Associate Secretary for the National Commission on teacher education and professional standards.
8. H. Weldon Frase, Assistant Professor of Education and Continuing Education, August 31, 1962 to become admissions officer for Grand Valley State College.
9. James B. Tintera, Associate Professor of Education, September 30, 1962 to accept an appointment in the Department of Speech and Educational Television Office at Wayne State University.
10. Louis F. Vander Linde, Instructor in Education, August 31, 1962 to accept a position at Wayne State University.
11. Cancellation of the appointment of James T. Scroggin, Instructor in Mechanical Engineering, August 31, 1962 to accept a position at the University of Cincinnati.
12. Charles O. Harris, Professor of Metallurgy, Mechanics and Materials Science, August 31, 1962 to accept a position at General Motors Institute.
13. Lee V. Leak, Assistant Professor of Biological Sciences, August 31, 1962 to accept a position at Massachusetts General Hospital.
14. Klaus Dose, Associate Professor (Res.) of Biophysics, September 1, 1962 to accept a position at the University of Kiel.
15. Cancellation of the appointment of Ken L. Grist, Specialist in Biophysics, September 1, 1962 to accept a position at Brookhaven National Laboratory.
16. B. T. Lingappa, Assistant Professor (Res.) of Botany and Plant Pathology, September 4, 1962 to accept a position at Holy Cross College.
17. Mary V. Walker, Instructor in Nursing, September 12, 1962.
18. Roger W. Wescott, Associate Professor of Foreign Languages and African Language and Area Center, August 31, 1962 to accept a position at Southern Connecticut State College.

NEW BUSINESS, continuedResignations and Terminations, continued

## Resignations

19. Daniel K. Stewart, Assistant Professor of Natural Science, August 31, 1962.
20. Ralph D. Barner, Professor of Surgery and Medicine, September 30, 1962 to accept a position with the U.S.D.A.
21. Richard W. Bishop, Assistant Professor of Education and Continuing Education, September 30, 1962 to accept a position with The Florida Institute for Continuing Education Studies.
22. Cancellation of the appointment of Douglas B. Knowlton, Specialist in the Audio-Visual Center, January 1, 1961.
23. Austin J. McLean, Librarian, September 15, 1962.

## Leaves

Leaves--Sabbatical

1. William Lazer, Professor of Marketing and Transportation with half pay from January 1, 1963 to June 30, 1963 to do research and writing in East Lansing.
2. Fred S. Siebert, Dean of Communication Arts, with full pay from February 28, 1963 to April 30, 1963 for travel in Europe, Russia and the Near East.
3. Calhoun C. Collier, Associate Professor of Education with full pay from July 1, 1963 to December 31, 1963 for writing and research.
4. Lucile Ketchum, Associate Professor (Ext.) of Home Management and Child Development with full pay from January 14, 1963 to July 12, 1963 for study at the University of California.

Leaves--Health

1. Victor C. Beal, Cash Crops Agent, Montcalm, Kent and Ionia Counties, with full pay from September 1, 1962 to September 30, 1962.
2. Carol Jean Abraham, 4-H Club Agent, Ingham County, with full pay from August 1, 1962 to August 31, 1962.
3. Michael J. Dmochowski, Manager of the Union, with full pay from July 29, 1962 to November 30, 1962.

Leaves--Other

1. Betty V. Bernard, Home Economics Agent, Monroe County, without pay from August 27, 1962 to September 26, 1962 to work on her M.S. in Washington.
2. Anna B. Brown, Home Economics Agent, Washtenaw County without pay from September 1, 1962 to December 31, 1962 to complete her Ph.D. at the University of Michigan.
3. Jean E. Schubel, Home Economics Agent, Sanilac County without pay from September 1, 1962 to September 30, 1962 to complete his M.S. at M.S.U.
4. Daniel M. Slate, Assistant Professor of Marketing and Transportation without pay from September 1, 1962 to August 31, 1963 to accept a position at the University of Hawaii.
5. Thomas Danbury, Instructor in the Communications Research Center, without pay from October 1, 1962 to October 31, 1962.
6. Jerome H. Hemmye, Instructor in Mechanical Engineering, without pay from September 1, 1962 to August 31, 1963 to complete his Ph.D. at the University of Michigan.
7. Herbert P. Phillips, Assistant Professor of Sociology and Anthropology, without pay from September 1, 1962 to December 31, 1962 for study in Thailand.
8. Frederick B. Waisanen, Assistant Professor of Sociology and Anthropology, and Communication without pay from January 6, 1963 to July 15, 1964 to accept a position in San Jose, Costa Rica.
9. Clinton A. Snyder, Instructor in Social Science, without pay from September 1, 1962 to August 31, 1963 to work with Airborne TV at Purdue University.
10. T. Harry McKinney, Assistant to the President, without pay from September 10, 1962 to September 9, 1963 to work with the Michigan Council of State College Presidents.

## Appointments

Appointments

1. Gordon Kay Dennis, Horticultural Agent, Wayne County, at a salary of \$8800 per year on a 12-month basis effective September 15, 1962.
2. Charles Kennard Spillman, Instructor (Ext.) in Agricultural Engineering at a salary of \$8000 per year on a 12-month basis effective December 1, 1962.

September 22, 1962

NEW BUSINESS, continuedAppointments, continued

Appointments

3. Ali A. Moslemi, Instructor in Forest Products, at a salary of \$500 per month from October 1, 1962 to June 30, 1963.
4. Charles E. Schomaker, Instructor in Forestry, at a salary of \$7200 per year on a 10-month basis effective September 24, 1962 to December 15, 1962.
5. Roger Pennock, Jr. Instructor (Res.) in Soil Science at a salary of \$5000 per year on a 12-month basis effective September 16, 1962 to September 15, 1963.
6. Allyn Edward Amundson, Instructor in Art, at a salary of \$5800 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
7. Helen A. Howell, Instructor in Art, at a salary of \$5800 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
8. Joseph John Kuszai, Jr. Instructor in Art at a salary of \$6800 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
9. Stacy A. Proffitt, Instructor in Art, at a salary of \$5800 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
10. Frank Rivera, Instructor in Art, at a salary of \$5800 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
11. Thomas J. Wallace, Instructor in Art, at a salary of \$6500 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
12. Jean Meral, Instructor in Foreign Languages, at a salary of \$6500 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
13. Basil Michael Ratiu, Assistant Professor of Foreign Languages, at a salary of \$7200 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
14. John H. Trimm, Instructor in the Offices of the Dean of the College of Business and University Professor at a salary of \$5000 per year on a 12-month basis effective September 1, 1962 to August 31, 1963.
15. Sylvia Ciernick, Assistant Professor of Education at a salary of \$8000 per year on a 12-month basis effective September 1, 1962 to August 31, 1963. This cancels the previous appointment from July 1 to December 31, 1962.
16. Robert L. Green, Instructor in Education, at a salary of \$7000 per year on a 12-month basis effective September 1, 1962 to August 31, 1963.
17. Jean C. Skamser, Instructor in Education, at a salary of \$6500 per year on a 12-month basis effective September 1, 1962 to August 31, 1963.
18. Blanche E. Simon, Assistant Professor of Health, Physical Education and Recreation, at a salary of \$5600 per year on a 10-month basis effective September 1, 1962 to August 31, 1963.
19. Harold G. Elrod, Professor of Mechanical Engineering and Engineering Research at a salary of \$20,500 per year on a 12-month basis effective August 15, 1962.
20. Matthew A. Medick, Professor of Mechanical Engineering and Engineering Research at a salary of \$17,000 per year on a 12-month basis effective September 1, 1962.
21. A. Brian Robins, Assistant Professor (Res.) of Biophysics, at a salary of \$10,000 per year on a 12-month basis effective November 1, 1962 to October 31, 1963.
22. Wilma N. Bradley, Instructor in Chemistry, at a salary of \$4800 for the period October 1, 1962 to June 30, 1963.
23. Bernard Schwartz, Visiting Professor of Economics at a salary of \$5000 for the period March 16, 1963 to June 15, 1963.
24. Raymond T. Galvin, Jr. Assistant Professor of Police Administration and Public Safety at a salary of \$7500 per year on a 10-month basis effective September 1, 1962.
25. Ethelbert Thomas, Jr. Assistant Professor of Social Work, at a salary of \$8500 per year on a 10-month basis effective September 1, 1962 to August 31, 1964.
26. Louis Guttman, Distinguished Visiting Professor of Sociology and Anthropology and Psychology at a salary of \$7000 for the period September 16, 1962 to December 15, 1962.
27. Vincent Leo Lombardi, Instructor in Social Science at a salary of \$6000 per year on a 10-month basis effective September 1, 1962.
28. Mary J. Long, Instructor in Veterinary Pathology at a salary of \$7000 per year on a 12-month basis effective September 16, 1962.

NEW BUSINESS, continued

## Appointments

Appointments, continued

29. Pierre Edgar Berry, Librarian, at a salary of \$7000 per year on a 12-month basis effective September 10, 1962.
30. Judith Q. Johnson, Librarian, at a salary of \$3540 per year on a 12-month basis effective September 16, 1962 to June 15, 1963.
31. Approval of the following appointments in Air Science from September 1, 1962 to June 30, 1963:  
 George A. Davies, Professor at \$700 for the period  
 George S. Akers, Assistant Professor at \$200 for the period  
 John M. Engbretsen, Assistant Professor at \$200 for the period  
 Robert G. Hollway, Assistant Professor at \$200 for the period  
 Allan Jokela, Assistant Professor at \$200 for the period  
 Harry U. Perry, Assistant Professor at \$200 for the period  
 Douglas D. Stewart, Assistant Professor at no salary  
 Morris F. Tague, Assistant Professor at \$200 for the period
32. Approval of the following appointments in Military Science from September 1, 1962 to June 30, 1963:  
 Ned R. Ash, Assistant Professor at \$200 for the period  
 Robert V. Dexter, Associate Professor at \$200 for the period  
 Dean C. Fellows, Assistant Professor at \$200 for the period  
 James H. Harris, Assistant Professor at \$200 for the period  
 William P. Henson, Assistant Professor at \$200 for the period  
 Charles F. Kell, Assistant Professor at \$200 for the period  
 James Louis McLain, Assistant Professor at \$200 for the period  
 Robert W. Moody, Assistant Professor at \$200 for the period  
 John W. Price, Associate Professor at \$200 for the period  
 James F. Skells, Professor at \$500 for the period  
 Richard A. Summers, Assistant Professor at \$200 for the period  
 Robert E. Visscher, Assistant Professor at \$200 for the period  
 Evan T. Tabbert, Assistant Professor at \$200 for the period  
 Ralph C. Waara, Assistant Professor at \$200 for the period
33. T. Layton Mabrey, Assistant Professor of Audio-Visual Center and Communication at a salary of \$10,000 per year on a 12-month basis effective September 24, 1962 to June 30, 1964.
34. Elliott H. Rosenberg, Instructor in the Counseling Center, at a salary of \$1750 for the period September 16, 1962 to December 15, 1962.
35. Henry Y. Nakasone, Specialist, Ryukyus Project, at a salary of \$9600 per year on a 12-month basis effective September 20, 1962 to August 30, 1963.
36. Donald E. Wells, Instructor in Communication, at a salary of \$8600 per year on a 12-month basis effective September 1, 1962 to August 31, 1963. This includes a transfer for the month of September 1962 from the National Project in Agricultural Communications.
37. Rodney T. Hartnett, Instructor in Institutional Research at a salary of \$7200 per year on a 12-month basis effective September 1, 1962 to August 31, 1963.
38. William T. Gillis, Jr. Instructor in Natural Science at a salary of \$5700 per year on a 10-month basis effective September 1, 1962.
39. Edward B. Kellogg, Assistant Director of Continuing Education (Benton Harbor) at a salary of \$3000 per year on a 10-month basis effective September 16, 1962 to July 15, 1963.

## Transfers

Transfers

1. Richard C. Lott, from Community Resource Development Agent, Huron Area to Extension Director Ingham County at the same salary of \$10,800 per year on a 12-month basis effective September 1, 1962.
2. Charles R. Kaufman, from Extension Director Livingston County to Community Resource Development Agent Huron Area, at a salary of \$10,000 per year on a 12-month basis effective October 1, 1962.
3. Rebecca K. Johnston, from Home Economics Agent, Gogebic County to Home Economics Agent, Oceana County, at a salary of \$7400 per year on a 12-month basis effective October 1, 1962.
4. Marion K. Maxon, from Home Economics Agent Ontonagon County, to Home Economics Agent, Mason County, at a salary of \$6550 per year on a 12-month basis effective September 16, 1962.
5. George E. Parsons, from Associate Professor (Ext.) of Dairy to Extension Director of East Central District at a salary of \$12,000 per year on a 12-month basis effective September 1, 1962.
6. Joseph L. Saupe, from Assistant Professor of Institutional Research to Assistant Director of Institutional Research and Associate Professor of Education at a salary of \$11,000 per year on a 12-month basis effective September 1, 1962.

September 22, 1962

NEW BUSINESS, continuedTransfers, continued

7. Melvin C. Buschman, from Associate Director of Admissions and Scholarships and Assistant Professor of Education to Assistant Director of Continuing Education and Assistant Professor of Education at a salary of \$13,000 per year on a 12-month basis effective September 1, 1962.
8. Harold R. Henry from Associate Professor of Civil Engineering to Associate Professor of Civil Engineering and Engineering Research at a salary of \$12,500 per year on a 12-month basis effective September 1, 1962.

Salary Changes

1. Increase in salary for Betty M. Ketchum, Home Economics Agent, Clinton County to \$8400 per year on a 12-month basis effective September 1, 1962.
2. Increase in salary for Eugene E. Jennings, Professor of Personnel and Production Administration, to \$13,000 per year on a 10-month basis effective October 1, 1962.
3. Increase in salary for Jean W. Busfield, Assistant Editor MSU Press to \$7900 per year on a 12-month basis effective October 1, 1962.
4. Increase in salary for Mary M. Tibbs, Secretary Nigeria Project to \$5350 on a 12-month basis effective July 1, 1962.

Leaves--Other

1. Delbert L. Bierlein, Agricultural Agent, Saginaw County, without pay from September 15, 1962 to October 31, 1962 to complete research at M.S.U.

Miscellaneous

1. Reappointment with tenure of Chester J. Mackson, Assistant Professor of Agricultural Engineering, effective as of September 1, 1960. In November 1959 Dr. Mackson was granted tenure pending the receipt of his doctorate.
2. Payment of \$700 to Herman Struck, Assistant Professor of English, for assisting the Agricultural Economics Department in preparing manuscript copy for the "Journal of Farm Economics" for publication.
3. Change in dates of sabbatical leave for Lawrence Borosage, Professor of Education, from July 1 to December 31, 1962, to December 1, 1962 to May 31, 1963.
4. Reinstatement on the payroll of Burton D. Friedman, Assistant Professor of Education, effective August 15, 1962. Mr. Friedman had been granted leave without pay to August 31, 1962.
5. Change in status of Richard O. Niehoff from Professor of Education to Professor of Education and Assistant Dean for International Programs in the College of Education at the same salary, effective September 1, 1962.
6. Change in status of Richard C. Dubes, Assistant Professor of Electrical Engineering, from \$8,500 per year on a 10-month basis to \$10,625 per year on a 12-month basis, effective from September 1, 1962, to August 31, 1963.
7. Change in status of Richard C. Dubes from a regular appointment subject to tenure rules to a temporary appointment effective for one year beginning September 1, 1962. Dr. Dubes failed to pass a satisfactory health examination.
8. Change in status of Ian O. Ebert, Associate Professor of Electrical Engineering, from \$10,900 per year on a 12-month basis to \$8,720 per year on a 10-month basis, effective September 1, 1962.
9. Change in status of Adolph E. Smith, Instructor in Electrical Engineering, from three-fourths time at \$6,050 per year to full time at \$7,050 per year, effective September 1, 1962.
10. Change in status of Ammriltal M. Dhanak, Professor of Mechanical Engineering and Engineering Research, from \$15,600 per year on a 10-month basis to \$19,500 per year on a 12-month basis, effective September 1, 1962.
11. Change in status of Donald J. Renwick, Associate Professor of Mechanical Engineering, from a salary of \$9,400 per year on a 10-month basis to \$11,750 per year on a 12-month basis, effective September 1, 1962.
12. Change in status of Mary Ellen Zabik, Instructor (Research) in Foods and Nutrition, from a temporary appointment to a regular appointment subject to tenure rules, effective September 1, 1962.
13. Correction in the title of John M. Mason to Professor of Education but also assigned to Biological Sciences in the College of Natural Science and to the Science and Mathematics Teaching Center, effective as of July 1, 1962.
14. Designation of Max T. Rogers as Professor (Research) of Chemistry, effective September 1, 1962.

## Transfers

Salary inc.  
for-Betty Ketchum  
Eugene Jennings  
Jean Busfield  
Mary TibbsLeave for  
Delbert L.  
BierleinC.J. Mackson  
reappointed  
with tenureAdd. payment  
\$700 to  
Herman StruckCh. dates of  
leave for Law-  
rence BorosageReinstatement  
on payroll of  
Burton D.  
FriedmanCh. in status  
R. O. NiehoffCh. status  
Richard DubesCh. status  
Ian O. EbertCh. status  
Adolph E.  
SmithCh. status  
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title John M.  
MasonMax Rogers  
names Prof.  
(Res.) of  
Chemistry



NEW BUSINESS, continuedMiscellaneous, continued

Ch. terms lve  
John Hocking

Ch. dates  
sabbatical  
lve Victor  
Smith

Ch. date of  
resignation  
C.L.Winder  
to Aug.31'62  
Ch. status  
Frances Hetz-  
necker

Duane Gibson  
Asst.Dean for  
Cont Educ-  
A.&L, Soc.Sci  
Nat. Sci.

Payment \$700  
Paul Honigsh-  
eim  
Payment \$700  
mo to D. W.  
Olmsted

\$1,000 paid  
Roland I.  
Robinson for  
summer 1962  
Ch. status  
Martin Elders-  
veld to regu-  
lar appt.

Transfer R.  
Estell to  
Bd. appt. as  
Act. Mgr. Radio  
Broadcasting

Allan Tucker  
to be Pro-  
fessor of  
Grad. Adm.  
Burton Fried-  
man to  
Guatemala Proj

K. T.Hereford  
assigned to  
Guatemala Proj

R.C. Davis  
assigned to  
Nigeria Proj.

Louis A.Doyle  
assigned to  
Nigeria Proj.

Kirkpatrick  
Lawton re-  
assigned to  
Nigeria Proj.

Payment of  
\$1,962.50 to  
Richard O.  
Niehoff  
Carter Harri-  
son assigned  
to TaiwanProj.

Report death  
Anders Orbeck

Report death  
Margaret  
Hilbert

Report death  
Murrel L.  
Bailey

Widow to  
receive year's  
salary

15. Change in terms of leave of absence for John G. Hocking, Associate Professor of Mathematics, from 30% pay from September 1, 1962, to August 31, 1963, to 30% pay from the University and \$1300 from National Science Foundation funds (71-1702), effective from September 1, 1962 to August 31, 1963.
16. Change in dates of sabbatical leave for Victor E. Smith, Professor of Economics, from April 1 to June 30, 1963, to leave with pay from October 1 to December 31, 1962.
17. Change in date of resignation of Clarence L. Winder, Professor of Psychology and Director of the Clinic, from September 30, 1962 to August 31, 1962.
18. Change in status of Frances Hetznecker, Assistant Professor of Social Work, from a salary of \$10,000 on a 12-month basis to a salary of \$8,600 on a 10-month basis, effective September 1, 1962.
19. Designation of Duane L. Gibson as Assistant Dean for Continuing Education in the Colleges of Arts and Letters, Natural Science, and Social Science; Director of the Liberal Arts Program for Adults; and Professor of Sociology and Anthropology, effective July 1, 1962.
20. Payment of \$700 to Paul Honigsheim, Professor Emeritus of Sociology and Anthropology, for the period from September 16, 1962 to March 31, 1963.
21. Payment of \$700 per month to Donald W. Olmsted, Assistant Dean of Social Science, effective from July 1 to August 31, 1962, paid 50% from 11-3741 and 50% from 71-2015. This is in addition to his salary as Assistant Dean, and is to compensate him for salary earned during the 1961-62 academic year.
22. Payment of \$1,000 to Roland I. Robinson, Professor of Accounting and Financial Administration and Economics, for the summer of 1962, paid from account 11-4641.
23. Change in status of A. Martin Eldersveld, Associate Professor of Education, from a temporary appointment to a regular appointment subject to tenure rules, effective July 1, 1962.
24. Transfer of Richard Estell from the Classified List to a Board appointment as Acting Manager of Radio Broadcasting with a salary increase from \$8,300 to \$8,800 per year, effective from October 1, 1962 to August 31, 1963. Mr. Estell will replace Mr. Frymire who will be on leave of absence.
25. Promotion of Allan Tucker from Associate Professor to Professor of Graduate Administration, effective September 1, 1962. Dr. Tucker is Assistant Dean for Graduate Studies and Assistant to the Vice President for Research Development.
26. Assignment of Burton Friedman, Assistant Professor of Education, to the Guatemala Project at a salary of \$10,800 per year on a 12-month basis, effective from September 1, 1962 to June 30, 1964, paid from 71-2037.
27. Assignment of Karl T. Hereford, Associate Professor of Education and Continuing Education, to the Guatemala Project at a salary of \$14,600 on a 12-month basis, effective from September 1, 1962 to June 30, 1964, paid from 71-2037. Dr. Hereford will be Chief of the Party.
28. Reassignment of Richmond C. Davis to the Nigeria Project, effective from September 1, 1962 to August 31, 1963.
29. Assignment to Louis A. Doyle, Associate Professor and Associate Director of Continuing Education, to the Nigeria Project at a salary of \$16,000 per year on a 12-month basis, effective from September 1, 1962, to August 31, 1964, paid from 71-2024.
30. Reassignment of Kirkpatrick Lawton, Professor of Soil Science, to the Nigeria Project at a salary of \$16,300 per year on a 12-month basis, effective from February 1 to July 1, 1963.
31. Payment of \$1,962.50 to Richard O. Niehoff, Professor of Education, as compensation for accumulated annual leave earned on the Pakistan Project, and paid from the Pakistan Project.
32. Assignment of Carter M. Harrison, Professor of Farm Crops, to the Taiwan Project at a salary of \$10,900 per year, effective from September 17 to December 28, 1962, and paid from account 71-2026.
33. Report of the death of Anders Orbeck, Professor of English, on June 29, 1962. Dr. Orbeck was born on February 11, 1891, had been employed by the University since October 1, 1936, and was retired on July 1, 1956.
34. Report of the death of Margaret Hilbert on July 18, 1962. Mrs. Hilbert was born on September 4, 1888, was employed by the University on March 27, 1929, and was on the staff at the Lake City Experiment Station at the time of her retirement on September 16, 1952.
35. Report of the death of Murrel L. Bailey, Assistant Professor of Agricultural Engineering, on August 22, 1962. Mr. Bailey was born on April 10, 1898, and had been employed by the University since August 1, 1945.
36. Recommendation that the widow of Murrel L. Bailey continue to receive his salary for one year beyond the date of his death.

NEW BUSINESS, continued

Miscellaneous, continued

37. Recommendations from the Director of Personnel, as follows:

Recommendations of  
Director of  
Personnel

- a. Change a half-time Senior Departmental Secretary and a full-time Clerk-Stenographer position to a Clerk-Stenographer V position in Food Science, paid 46% from account 11-3221 and 54% from 21-2809.
- b. Establish a Principal Clerk VI position in Engineering Research, paid from account 11-4811.
- c. Establish 2 Senior Departmental Secretary VII positions in International Programs, paid from 71-2040.
- d. Reclassify an Accounting Clerk III to a Principal Clerk VI position for the State News, paid from 31-3716.
- e. Reclassify a TV Coordinator AP-IV to a TV Coordinator AP-VI position, paid from 31-1171.
- f. Reclassify a Senior Departmental Secretary to an Executive Secretary VIII position in the Provost's Office.
- g. Reclassify a Senior Departmental Secretary to an Executive Secretary VIII in the Audio-Visual Center.
- h. Establish a Clerk-Typist II position in Institutional Research.
- i. For Dormitories and Food Services:
  - 1) Reclassify a Food Supervisor VI to a Fiid Supervisor VIII position in Landon Hall.
  - 2) Reclassify a Clerk-Typist to a Senior Departmental Secretary VII in Snyder-Phillips Halls.
- j. Reclassify a Head Clerk VIII to an Alumni Records Supervisor IX position in Alumni Relations.
- k. Establish the following positions in Admissions and Scholarships:
  - 1) 1 Principal Clerk VI
  - 2) 1 Senior Clerk-Stenographer V
  - 3) 2 Senior Clerk IV
  - 4) 4 Clerk-Typist II

On motion by Mr. Huff, seconded by Dr. Smith, it was voted to approve the Resignations, Leaves, Appointments, Transfers, Salary Changes and Miscellaneous Items 1 through 37.

- 38. Change Horace C. King from Administrative Assistant to the Dean of International Programs to Assistant to the Dean of International Programs and Assistant Professor of Education with a salary increase from \$10,900 to \$11,400 per year on a 12-month basis, effective September 1, 1962, paid from account 11-4081.
- 39. Discontinue Charles E. Meyer as Acting Head of the Art Department, effective August 31, 1962.
- 40. Reinstatement of Thomas Rand as Instructor in Health, Physical Education, and Recreation and Freshman Basketball Coach at a salary of \$6000 per year, effective September 1, 1962. Mr. Rand has been on military leave since May 1, 1961.
- 41. Change title and responsibility of Ruth Jameyson from Secretary to the President AP-V to Administrative Assistant to the President, effective October 1, 1962.
- 42. Bids have been received for the construction of a 14-inch water main as follows:

Ch. Horace  
King to Asst I  
Int. Programs  
and Asst.Prof  
Educ.

Reinstatement  
Thomas Rand  
Inst. Health,  
Phys. Educ. &  
Rec. 9-1-62

Ch. title and  
responsibility  
Ruth Jameyson

Contract let  
to Crandell  
Trenching for  
water main

Crandell Trenching	\$12,744.05
Merle Plourde	17,433.00
Reed and Noyce, Inc.	18,412.28
Mead Brothers Excavating, Inc.	21,182.40

In view of the fact that Mr. Crandell has asked to be released from the contract, it is recommended that the second low bid of \$17,433 from Merle Plourde, be accepted.

Contract let  
to Kagle Const  
for site work  
Married Hsing  
Maint Bldg.

- 43. The following bids were received for site work for the Married Housing Maintenance Building:

	Bid	Gravel & Black Top	Curb Blocks
Kegle Construction Company	\$2,528.80	\$5,295	\$416
Crandell Trenching Service	2,660.00	4,095	820
T. A. Forsberg, Inc.	3,053.00	3,945	520

It is recommended that the contract be awarded to the Kegle Construction Company, the low bidder, for \$2,528.80. This price covers the base bid for concrete work only. All alternate bids for gravel, black top, and curb blocks were higher than estimates and for that reason are not recommended.

Contract let  
for 12-inch  
deep well on  
Forest Road  
to Dunbar  
Drilling

- 44. The following bids were received for a 12-inch deep well on Forest Road:

Dunbar Drilling	\$4,950.00
Layne-Northern	4,967

A third bid submitted by the C. S. Raymer Company did not comply with the instructions to bidders and was returned without consideration.

It is recommended that the contract be awarded to the Dunbar Drilling Company, the low bidder, for \$4,950.

NEW BUSINESS, continuedMiscellaneous, continued

45. The following bids were received for a new aluminum greenhouse in the Plant Science Greenhouse Range:

Contract let  
for aluminum  
greenhouse in  
Plant Science  
Greenhouse  
Range

<u>General Contractors</u>	<u>Base bid</u>	<u>Alternate Bid</u>
Britsch Construction	\$10,527	\$1,062
Foster-Schermerhorn-Barnes	10,860	1,080
Hausman Construction	11,200	1,100
Hanel-Vance	11,844	1,348

Mechanical Contractors

Shaw-Winkler	3,638	260
Spitzley Corporation	4,384	452
M. E. Cole Company	4,385	240
United Piping	4,595	350
John C. Lowery	4,690	160
C. G. Brenner, Inc.	4,975	324

Electrical Contractors

Hatzel-Buehler	2,475	150
Hall Electric	2,600	200
Central Electric	2,616	160
Barker-Fowler	2,663	130

It is recommended that contracts be awarded to the low bidder for work covered by the base bid and the alternate bid. These contracts would total \$18,112 and leave \$1,888 for contingencies, bonds, supervision, et cetera. The project is being financed by a \$10,000 grant from the Pickle Packers Association and \$10,000 allocated from Experiment Station funds.

46. The following bids were received for the Endocrine Research Barn:

	<u>Base Bid</u>
Banta-Brooks, Inc.	\$22,500
Britsch Construction Company	22,560
Hausman Construction Company	22,870
Bruno J. Siwek	24,800
Wayne Chapman	24,800
Hanel-Vance Construction Company	26,025
Foster, Schermerhorn & Barnes	27,185

The minimum budget appears to be as follows:

General Construction	\$22,500
Surety Bond	225
Blacktopping	1,600
Landscaping	675
	<u>\$25,000</u>

The Experiment Station had agreed to provide a maximum of \$23,000 for this facility. Since there seems to be no way to build the project within the \$23,000 budget, it is recommended that the Board authorize awarding the contract to Banta-Brooks, Inc., the low bidder, for \$22,500, and that the Experiment Station be requested to increase the budget from \$23,000 to \$25,000.

47. The following bids were received for a 10-inch water main between Bessey Hall and Agricultural Hall:

Reed & Noyce	\$ 8,415.91
Head Brothers	10,077.85

It is recommended that the contract be awarded to Reed & Noyce, the low bidder, for this work.

On motion by Mr. Harlan, seconded by Mr. Huff, it was voted to approve Miscellaneous Items 38 through 47.

48. Workmen's Compensation report for the period January 1 to June 30, 1962:

Amount paid as accident time	\$ 6,251.07
Amount paid as compensation	25,871.75
Health Service charges	6,779.50
Off-Campus Medical Service	5,616.42

49. Report of the death of Harry J. Eustace on August 20, 1962, in California.

50. Communication from John C. Mackie, Highway Commissioner, dated July 19, 1962:

In September 1939, by mutual agreement between the State Highway Department and Michigan State University, and with the approval of the State Board of Agriculture and authority of the State Administrative Board, the Michigan State Highway Department

Report of Mr.  
May on Work-  
man's Com-  
pensation  
Report

Report of  
death of Harry  
Eustace

Communication  
John C. Mackie  
State Highway  
Commissioner

NEW BUSINESS, continuedMiscellaneous, continued

## 50. Communication from John C. Mackie, Highway Commissioner, continued:

established a research laboratory in Olds Hall of Engineering to be maintained and supervised by the Highway Department.

On July 19, 1962, the Highway Department started moving its Research Laboratory from the University campus to its new quarters on East Saginaw Street in Lansing. This move was made necessary by the urgent need of both State agencies for suitable space in which to pursue their respective functions in serving the people of Michigan.

During the past 23 years of operating on the University campus, the Department's Research Laboratory has developed an outstanding progressive, and nationally recognized highway research program. In developing this program, the Laboratory had the active cooperation of the various University Departments, the Engineering Experiment Station, and faculty members which contributed greatly to its success.

This change in location of the Highway Research Laboratory is purely a physical event and thus we see no reason why the fine cooperation which has existed between the two agencies in the past cannot continue in the future under the existing working relationship.

I wish to convey to you and the University staff the sincere thanks and appreciation of the State Highway Department for providing space, for the use of the University facilities, and for the outstanding cooperation accorded the Department and the Research Laboratory staff during our long tenure on the campus of Michigan State University.

Gifts and GrantsGifts and  
Grants

1. Gift of a Westinghouse Deep Therapy X-Ray Machine with transformers, oil cooler, high voltage cables, extra x-ray tube, and a set of cones, valued at \$5,000 from Dr. Harper G. Sichler of Lansing, to be used in Surgery and Medicine for research and therapy of patients.
2. Grants as follows to be used for scholarship purposes:
  - a. \$100 from the MSU Women's Club of Battle Creek to be used for a books and supplies scholarship for a woman student from Battle Creek.
  - b. \$600 from the Burroughs Foundation of Detroit to provide scholarships for students participating in the Detroit Cooperative Counselor Training Program
  - c. \$50 from Ivan F. French of Sarasota, Florida, to be awarded to a junior student in Home Economics who has the attributes necessary to combine the duties of homemaking and civic responsibilities in a well rounded program. This is to be called the "Elizabeth I. French Award".
  - d. To continue previously established scholarships:
    - 1) For the Michigan Bankers' Scholarship Fund:
      - a) \$100 from the Clinton County Bankers Association of St. Johns
      - b) \$600 from the Gratiot County Bankers Association of Alma
    - 2) \$1,000 from the William and Sarah E. Hinman Endowment Fund of Lansing
    - 3) \$1,000 from The Kroger Company of Cincinnati, Ohio, for 2 students in Agriculture and 2 in Home Economics
    - 4) \$4,533 from the John and Elizabeth Whiteley Foundation of Lansing for 10 students.
    - 5) \$1,400 from the Whirlpool Foundation of Benton Harbor for 4 students in Engineering.
    - 6) \$3,000 from the Gerber Baby Foods Fund of Fremont for students in Food Science
  - e. For specified students:
    - 1) \$1,000 from the National Starch and Chemical Corporation of New York City
    - 2) \$500 from the Milton Feldbaum Memorial Scholarship of Philadelphia for a student in the School of Packaging.
    - 3) \$200 from the Jessie Davenport Scholarship Fund of Southfield
    - 4) \$100 from the Beverly Hills University Club of Chicago
    - 5) \$200 from the Thomas J. Cook Memorial Scholarship Fund of Waterbury, Connecticut
    - 6) \$300 from the Iroquois Faculty Association of East Aurora, New York
    - 7) \$500 from the Building Service Employees International Union of Chicago
    - 8) \$600 from Staples High School of Westport, Connecticut
    - 9) \$1,000 from Houston Endowment, Inc. to continue the Jesse H. Jones Scholarship (Houston, Texas)
    - 10) \$83 from the Ratner, Miller, Shafran Foundation of Cleveland, Ohio
    - 11) \$1,000 from the Jephson Foundation of New York City
    - 12) \$1,000 from the Corson Scholarship Fund of Pittsburgh, Pennsylvania
    - 13) \$500 from the Michigan Education Association of Lansing
    - 14) \$3,600 from the General Henry H. Arnold Educational Fund of the Air Force Aid Society of Washington, D.C., for 6 students
    - 15) \$1,000 from the Edward Arthur Mellinger Educational Foundation of Monmouth, Illinois.
    - 16) \$100 from the East Longmeadow Scholarship Foundation of East Longmeadow, Mass.
    - 17) \$650 from the Arnco Foundation of Middletown, Ohio
    - 18) \$150 from the Palen-Klar Scholarship Fund of Greenwich, Connecticut.
    - 19) \$300 from the Miss Indiana Pageant of Michigan City, Indiana
    - 20) \$750 from the International Peace Scholarship Fund of the Supreme Chapter P.E.O. Sisterhood of Des Moines, Iowa



NEW BUSINESS, continuedGifts and  
GrantsGifts and Grants, continued

## 2. Scholarship grants, continued:

## e. For specified students, continued:

- 21) \$1,100 from the Michigan Home Economics Extension Council of Kalamazoo
- 22) \$500 from Stainless Steel, Inc., of Detroit
- 23) \$100 from Romeo Community Schools
- 24) \$250 from the Croatian Fraternal Union Scholarship Foundation of Pittsburgh, Pa.
- 25) \$1,200 from the John McKee Scholarship Committee of Havertown, Pennsylvania
- 26) \$114.25 from the Genesee Merchants Bank & Trust Company of Flint
- 27) \$500 from the Michigan State Employees Association of Lansing
- 28) \$300 from the Werner Endowment Fund of Marquette
- 29) \$1,925 from the Oscar Mayer Foundation, Inc., of Madison, Wisconsin. Of this amount, \$1,625 is for the scholarship and \$300 to be deposited to the Discretionary Gifts fund.
- 30) \$100 from Delta Kappa Gamma Society of Hastings
- 31) \$200 from Delta Sigma Kappa Sorority of Massillon, Ohio
- 32) \$200 from the Community Scholarship Fund of Teaneck of West Englewood, New Jersey
- 33) \$450 from Mountain View High School of Mountain View, California
- 34) \$250 from the Order of the Eastern Star of Illinois of Chicago

## f. \$250 from the French Government to assist outstanding students in their studies in French

- 3. Grant of \$2,250 from the Kalamazoo County Board of Supervisors to be used under the direction of N. P. Ralston in the Cooperative Extension Service to cover part of the salary of an Extension agent assigned to that county.
- 4. Grants to be used under the direction of R. G. Mawby in 4-H Clubs, as follows:
  - a. \$30,000 from the State of Michigan to pay premiums and other expenses of conducting the State 4-H Show.
  - b. \$3,000 from the 4-H Club Foundation of Michigan of East Lansing to support the International Farm Youth Exchange Program.
- 5. Renewal of memoranda of agreement covering grants to be used under the direction of B. A. Stout in Agricultural Engineering and S. K. Ries in Horticulture, as follows:
  - a. \$7,000 from the Scott Viner Operation, Canning Machinery Division FMC Corporation of Columbus, Ohio, for research on principles of mechanical harvesting and cultural practices for practicable mechanical harvest of cucumbers.
  - b. \$2,500 from the Scott Viner Operation for research on the development of principles to accomplish the mechanical harvesting of cabbage and other like vegetables.
- 6. Renewal of a memorandum of agreement with the National Institutes of Health of Bethesda, Maryland, covering a grant of \$11,528 to be used under the direction of G. L. Kilgour in Biochemistry to continue the study of certain aspects of the chemistry and biochemistry of inositol phosphates. The agreement provides for special graduate research assistants.
- 7. Grant of \$18,000 from the National Science Foundation of Washington, D.C., to be used under the direction of Harold M. Sell in Biochemistry for research on the biochemistry of natural and synthetic growth substances as applied to higher plants.
- 8. Approval of a memorandum of agreement with Koppers Company, Inc., of Monaca, Pennsylvania, covering a grant of \$3,000 to be used under the direction of J. W. Goff in the School of Packaging to conduct basic research on problems related to the control of damage in shipment.
- 9. Grant of \$500 from an anonymous donor to be used under the direction of J. Lee Taylor in Horticulture to provide funds to send members of the Michigan Junior Vegetable Growers Association to the national convention.
- 10. Renewal of a memorandum of agreement with W. R. Grace and Company of Clarksville, Maryland, covering a grant of \$2,000 to be used under the direction of Harold Davidson in Horticulture for research in horticultural nutrition with metal ammonium phosphates. The agreement provides for a special graduate research assistant.
- 11. Approval of a memorandum of agreement with the International Minerals & Chemical Corporation of Skokie, Illinois, covering a grant of \$3,500 to be used under the direction of E. C. Doll and B. G. Ellis in Soil Science in a study to determine the level of exchangeable magnesium in Michigan soils below which a response to added magnesium might be expected. The agreement provides for a special graduate research assistant.
- 12. Grant of \$2,000 from The State Board of Alcoholism of Lansing to be used under the direction of Martin Hurtig in Art for a graduate fellowship who will attempt to develop a program of visual communication capable of informing society as to the effects of alcoholism on their health and welfare.
- 13. Grant of \$1,500 from Philip Morris, Inc., of New York City to be used under the direction of E. M. Barnet in Marketing and Transportation Administration to be used \$1,000 for a scholarship for a student in the Food Marketing Management Program and \$500 for the administration of the program.
- 14. Renewal of a memorandum of agreement with the Office of Vocational Rehabilitation of the Department of Health, Education, and Welfare of Washington, D.C., covering a grant of \$98,940 to be used under the direction of G. A. Miller in Education to continue to train rehabilitation counselors.



NEW BUSINESS, continuedGifts and Grants, continuedGifts and  
Grants.

15. Grant of \$7,200 from United States Steel Foundation, Inc., of New York City to be used in the College of Engineering to establish a 2-year graduate study fellowship; \$3,000 is for the fellow, \$3,000 for added MSU costs or needs, and \$1,200 is to accrue to the fellow as his marriage stipend covering the 2-year period.
16. Grant of \$1,500 from the Foundry Educational Foundation, Wheelabrator Corporation of Cleveland, Ohio, to be used to provide assistance to a capable graduate students in physical metallurgy in the College of Engineering.
17. Grant of \$55,900 from the National Science Foundation of Washington to be used under the direction of L. E. Malvern in the Division of Engineering Research for theoretical and experimental investigations of transient longitudinal plastic and viscoelastic wave propagation in bars subjected to impact loading, including stress-strain relations at elevated temperatures. Provision is made for special graduate research assistants.
18. The following grants from the National Institutes of Health of Bethesda, Maryland, to be used in the Division of Engineering Research:
  - a. \$500 for Shosei Serato to support a fellowship and to be used for supplies required in conjunction with research on low level radiation determinations in the Red Cedar basin.
  - b. \$450 for K. L. Schulze to support a fellowship and to be used for supplies required in conjunction with research on systems analysis of the activated sludge process.
19. Grant of \$500 from the Foundry Educational Foundation of Cleveland, Ohio, to be used under the direction of A. J. Smith in Metallurgy, Mechanics, and Materials Science and credited to the discretionary fund, account 71-2565.
20. Grant of \$15,000 from The American Cancer Society, Inc., of New York City to be used under the direction of J. J. Stockton in the Biological Sciences to support fundamental studies related to cancer.
21. Grant of \$19,987 from the National Institutes of Health of Bethesda, Maryland, to be used under the direction of Barnett Rosenberg in Biophysics to study the electronic charge transport processes which may be important in the functioning of visual systems. Provision is made for special graduate research assistants.
22. Grant of \$25,240 from the National Institutes of Health to be used under the direction of A. H. Ellingboe in Botany and Plant Pathology for research on the biological phenomena of parasitism and pathogenesis at a molecular level. Provision is made for special graduate research assistants.
23. Grant of \$12,800 from the National Science Foundation to be used under the direction of G. W. Prescott in Botany and Plant Pathology for research on limnological exploration of far-south latitude lakes.
24. Grant of \$653 from the Petroleum Research Fund of the American Chemical Society of Washington, D.C., to be used under the direction of A. I. Popov in Chemistry in conjunction with research grants to staff members and to be credited to account 31-1210.
25. Grant of \$1,850 from E. I. duPont deNemours and Company of Wilmington, Delaware, to be used under the direction of A. I. Popov in Chemistry to be used \$1,200 for a graduate fellowship, \$150 for the fellow's tuition and fees, and \$500 for the Department.
26. Grant of \$58,100 from the National Science Foundation of Washington to be used under the direction of Harold Hart in Chemistry for fundamental studies in organic chemistry. Provision is made for special graduate research assistants.
27. Renewal of a memorandum of agreement with Chemagro Corporation of Kansas City, Missouri, covering a grant of \$3,000 to be used under the direction of G. F. Guyer and A. J. Howitt, in Entomology for an evaluation of insecticides.
28. Grant of \$15,990 from the National Science Foundation to be used under the direction of Alfred Leitner in Physics and Astronomy for research on films on low-temperature phenomena. Provision is made for special graduate research assistants.
29. Grants as follows from the National Institutes of Health of Bethesda, Maryland, to be used in Zoology:
  - a. \$250 under the direction of J. R. Shaver for studies on the differentiation of hemoglobin in *Rana pipiens*.
  - b. \$14,622 under the direction of C. S. Thornton to analyze the inter-relationships between neural and epidermal factors in tissue regeneration. Provision is made for a special graduate research assistant.
30. The following grants from the National Science Foundation to be used in Psychology:
  - a. \$16,100 under the direction of Abram M. Barch for support of an undergraduate science education program
  - b. \$18,900 under the direction of Abram M. Barch for research on stimulus familiarization, stimulus similarity, and auditory identification learning.
  - c. \$27,100 under the direction of M. Ray Denny for research on relaxation response as a variable in avoidance learning.

NEW BUSINESS, continuedGifts and  
GrantsGifts and Grants, continued:

31. Grant of \$10,500 from the National Science Foundation to be used under the direction of M. D. Engelmann in Natural Science for research on respiration of oribatid mites under field conditions.
32. Grant of \$250 from the National Institutes of Health to be used under the direction of R. N. Costilow in Microbiology and Public Health to furnish supplies for a graduate fellow.
33. Grant of \$4,707 from the National Institutes of Health to be used under the direction of Joseph Meites in Physiology and Pharmacology to purify and concentrate a factor in brain tissue which inhibits secretion of a pituitary hormone essential for development of breast cancer.
34. Grant of \$7,330 from the United States Office of Education of Washington to be used under the direction of Allan Tucker in the School for Advanced Graduate Studies for a study of the attrition of graduate students at the doctoral level.
35. Grant of \$32,318 from the National Science Foundation to be used under the direction of Vice President Muelder in Research Development to support graduate research education and related activities in the sciences.
36. Grant of \$254,494 from the Agency for International Development of Washington to be used under the direction of Dean Taggart in International Programs to support the Brazil Project.
37. Grant of \$182,000 from the United States Army to be used under the direction of Dean Taggart in International Programs to support the project at the University of the Ryukyus.
38. Grants as follows to be used under the direction of Homer Higbee in International Programs to provide emergency aid to foreign students:
  - a. \$100 from Wilma S. Good
  - b. \$33.40 from the Plymouth Congregational Church
  - c. \$42.11 from the KMY Fair--The Richard Frank Children
  - d. \$75 from the United Church Women of Greater Lansing.
39. An additional grant of \$1,500 from the Jewel Tea Foundation of Melrose Park, Illinois, to be credited to the Discretionary Gifts Fund, account 31-1113.  
This grant is in support of their matching scholarship program.
40. Grant of 40 shares of Eaton & Howard Stock Fund, valued at less than \$500, from Mark V. Burlingame of Chicago. The stock is to be sold and the proceeds credited to Mr. Burlingame's MSU Associates Pledge, account 31-3410.
41. Gifts as follows from the estate of Albert H. Case through the National Bank and Trust Company of Charlottesville, Virginia, to be credited to account 32-3424:
  - a. 300 shares of The Lehman Corporation capital stock valued at \$8,138
  - b. 270 shares of Texas Gulf Sulphur stock valued at \$3,544
  - c. 300 shares of J. C. Penney Company stock valued at \$11,850
42. Grant of \$500 from the Matilda R. Wilson Fund of Detroit to be used under the direction of H. R. Neville in Continuing Education as a contribution toward the Christmas Adventure in World Understanding Program.
43. Grant of \$3,150 from The Ford Foundation of New York City to be used under the direction of Manley R. Irwin in Economics for a doctoral dissertation fellowship.

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

Reports for Board Members

1. The following alteration and improvement items have been approved since the last meeting of the Board:
  - a. Alterations to Rooms 280, 281 and 282 Bessey Hall to provide office space for Dr. Kimber \$1,600
  - b. Remodel Room 120 Agricultural Engineering Building to make better use of space 610
  - c. Construct and install low partition and rail with gate in Room 204 Journalism 200
  - d. Improvements in offices in the WMSB Building 65
  - e. Alterations to Room 128-B Natural Science to provide an office for six graduate students 990
  - f. Alterations as follows to Music Practice Building: Install acoustic tile and electric outlets in Rooms 103 and 111; remove burlap from wall in Room 103 and install fluorescent lights 325
  - g. Alterations to Room 210A Horticulture as follows: Remove 2 recessed metal wall lockers, repair wall, etc.; paint office walls, including ceiling; remove 2 incandescent lights; provide and install 3 new fluorescent lights 370
  - h. Remove shelves in Room 108 and locate in Room 110 Biological Research Building; and relocate two sections of electric heat units along east and south walls and one 115V duplex outlet along east wall 1,685

Alterations  
and improve-  
ments items  
approved

September 22, 1962

NEW BUSINESS, continuedReports for Board Members, continued

## 1. Alteration and improvement items, continued:

- |   |          |
|---|----------|
| i. Install partition across Room 115, install air filters in wall or door, and rearrange lighting in Biological Research Building (\$700 of this amount is being paid from account 11-3803) | \$2,015  |
| j. Alterations to Battery Room, Physics-Mathematics   | 1,150    |
| k. Alterations to Rooms 9, 9A, 9B, 10, 10A, 11, 12, 107, 108, 115 and 327 Administration Building for Registrar   | 1,500    |
|   | \$10,510 |

Alteration  
and improve-  
ment items

2. Install tile on floor of Room 232, Education Building, to install window in door of Room 232 for closed circuit television, charged to 11-4043 \$ 240
3. Payment of additional amounts to salaried employees since the last Board meeting as per list on file.

On motion by Mr. Huff, seconded by Dr. Smith, it was voted to approve the Reports for Board Members.

MICHIGAN STATE UNIVERSITY-OAKLANDMSU-O  
ItemsMiscellaneous

## 1. Recommendations from the Director of Personnel, as follows:

- a. Establish an Admissions Counselor AP-V position
- b. Establish an Assistant Director of Placement AP-I position
- c. Reclassify a Director of Scholarships and Assistant Registrar AP-VII to a Director of Scholarships and Associate Director of Admissions AP-VIII position, with a salary range of \$9,600 to \$12,120.

2. Chancellor Varner requested authorization to proceed with planning and advertising for bids for an additional dormitory to be paid for out of Pryale Foundation funds.

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

Gifts and GrantsGifts and  
Grants MSU-O

1. Gift of 16 paintings and art objects valued at \$10,890 from Milton I. D. and Alma Stix Einstein of New York City to be used under the direction of Associate Dean George Matthews in the Division of Humanities.
2. Grants as follows to be used under the direction of George Matthews in Humanities for the Arts Symposium:

Robert H. Skillman	\$1000	James E. Lofstrom	\$25
Saul M. Leach	25	Ralph S. Green	25
D. G. Kurzman	25	Paul Zuckerman	100
J. S. Dragan	25	Don Appel	50
N. C. Barsky	25	Louis Berry	50
Carl B. Grawn	25	William Sucher	50
Wilfred V. Casgrain	25	Carl Aronson	25
Nathan J. Golden	25	Irwin T. Holtzman	25
Seymour Sterling	50	Robert Wohlman	25
David Miro	50	Alan A. Schwartz	175
Warren S. Kennison	25	Edward C. Levy	25
William J. Poplack	25	Reuben Wolnez	25
Samuel J. Lang	25	French H. McCain	25
J. Curtis Willson	50	Hilbert H. DeLawter	50

## 3. Grants for scholarship purposes, as follows:

- a. For the MSU-O Awards, account 92-3359:
  - 1) \$430 from the Women's National Farm & Garden Association, Inc., of Union Lake
  - 2) \$500 from The Richardson Foundation of Mt. Clemens
  - 3) \$150 from the Clawson PTA Council of Clawson
  - 4) \$326 from Lambda Chi Omega Sorority of Pontiac
  - 5) \$150 from the Kiwanis Club of Rochester
  - 6) \$250 from the Pontiac Council of PTA
- b. For the MSU-O Scholarship, account 91-3225:
  - 1) \$420 from the Women's National Farm & Garden Association, Inc. of Union Lake
  - 2) \$2,250 from the Ford Educational Aid Program of Dearborn
  - 3) \$100 from J. W. McEachren of Detroit
  - 4) \$500 from Russell G. Ford of Detroit
  - 5) \$150 from the Rochester Business Woman's Club
  - 6) \$125 from the Clarkston Community Women's Club

MICHIGAN STATE UNIVERSITY-Oakland, continuedGifts and Grants, continuedGifts and  
Grants

## 3. Grants for scholarship purposes, continued:

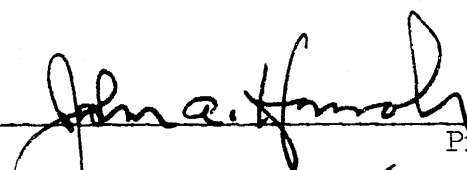
## b. For the MSU-O Scholarship, account 91-3225:

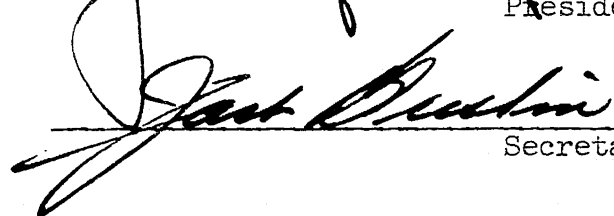
- 7) \$10,000 from the MSU-O Foundation Scholarship Committee
- 8) \$90 from the Rochester Area Ministerial Association of Rochester
- 9) \$300 from Fred W. Sanders of Detroit
- 10) \$500 from Mr. and Mrs. Jack W. Hapt of Clarkston
- 11) \$500 from Don E. Ahrens of Bloomfield Hills
- 12) \$15 from Marion McCracken of Bloomfield Hills
- 13) \$500 from Harry S. Nichols
- 14) \$1,000 from Mrs. Graham J. Graham
- 15) \$500 from Michigan Tractor and Machinery Company
- 16) \$500 from Harold A. Fitzgerald
- 17) \$500 from Edward N. Cole
- 18) \$1,000 from the Trumbul Foundation
- 19) \$1,000 from Max M. Fisher
- 20) \$750 from Reynolds Metals Company
- 21) \$500 from Hanley Dawson Chevrolet, Inc.
- 22) \$500 from Wilbur S. Awrey
- 23) \$250 from Ray R. Eppert
- 24) \$500 from Charles F. Adams
- 25) \$300 from John F. Gordon
- 26) \$1,000 from The Roy and Florence Abernethy Foundation

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

The meeting adjourned at 12 o'clock noon.

The next meeting will be held at Michigan State University-Oakland on October 17 and 18.

  
President

  
Secretary