MINUTES OF THE MEETING
of the
FINANCE COMMITTEE
April 16, 1964

The Finance Committee convened at Kellogg Center at 7 a.m. for breakfast.

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

Absent: No one

1. Scudder, Stevens & Clark and Earl Cress recommended the following investment items:

<table>
<thead>
<tr>
<th>Retirement Fund</th>
<th>Approx. Price</th>
<th>Principal</th>
<th>Income</th>
<th>Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommend purchasing:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$220,000 U. S. Treasury 3 7/8s-5/15/65 (Holding $65,000)</td>
<td>$100</td>
<td>$220,000</td>
<td>$8,525</td>
<td>4.0%</td>
</tr>
<tr>
<td>$220,000 U. S. Treasury 3 5/8s-2/15/66 (Holding $225,000)</td>
<td>100</td>
<td>$220,000</td>
<td>7,250</td>
<td>3.5%</td>
</tr>
<tr>
<td>2,500 shs. Prentice-Hall Publishing</td>
<td>$0.40</td>
<td>27</td>
<td>67,500</td>
<td>1.5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fred T. Russ Fund</th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Recommend selling:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,600 shs. Bendix Corporation</td>
<td>2.40</td>
<td>45</td>
<td>72,000</td>
<td>3,340</td>
</tr>
<tr>
<td>1,000 shs. May Department Stores</td>
<td>2.40</td>
<td>80</td>
<td>80,000</td>
<td>2,600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Investment recommendations</th>
<th>Amount</th>
<th>Security</th>
<th>Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommend selling:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,000 shs. Amerada Petroleum</td>
<td>2.00</td>
<td>76</td>
<td>76,000</td>
</tr>
<tr>
<td>3,000 shs. American Hospital Supply</td>
<td>0.30</td>
<td>24</td>
<td>72,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Laverne Noyes Scholarship Fund</th>
<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommend selling:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300 shs. U. S. Steel 7% pfd.</td>
<td>7.00</td>
<td>150</td>
<td>45,000</td>
<td>2,100</td>
</tr>
<tr>
<td>91 shs. International Harvester 7%</td>
<td>7.00</td>
<td>163</td>
<td>14,833</td>
<td>637</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jenison Fund</th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Recommend purchasing:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>$277,000 U. S. Treasury 3 7/8s-5/15/65</td>
<td>100</td>
<td>27,000</td>
<td>1,046</td>
<td>4.0%</td>
</tr>
<tr>
<td>200 shs. Deere &amp; Company (Holding 200)</td>
<td>1.20</td>
<td>44</td>
<td>8,800</td>
<td>240+</td>
</tr>
<tr>
<td>51 shs. First National City Bank of N.Y. (Holding 169)</td>
<td>3.00</td>
<td>116</td>
<td>5,916</td>
<td>153</td>
</tr>
<tr>
<td>350 shs. Southern Company (Holding 400)</td>
<td>1.70</td>
<td>55</td>
<td>8,850</td>
<td>255</td>
</tr>
<tr>
<td>50 shs. Atlantic Coast Line R.R. (Holding 150)</td>
<td>2.50</td>
<td>71</td>
<td>3,650</td>
<td>125</td>
</tr>
</tbody>
</table>

continued - -
Minutes of the Finance Committee meeting, continued:

1. Scudder, Stevens & Clark and Earl Cress recommended the following investment items, continued:

<table>
<thead>
<tr>
<th>Spartan Fund</th>
<th>Approx.</th>
<th>Security</th>
<th>Price</th>
<th>Principal</th>
<th>Income</th>
<th>Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommend purchasing:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 shs. International Harvester</td>
<td>2.80</td>
<td>71</td>
<td>$2,840</td>
<td>112</td>
<td>3.9%</td>
<td></td>
</tr>
<tr>
<td>40 shs. Amerada Petroleum</td>
<td>2.00</td>
<td>79</td>
<td>3,160</td>
<td>80</td>
<td>2.5%</td>
<td></td>
</tr>
<tr>
<td>60 shs. Southern Company</td>
<td>1.70</td>
<td>55</td>
<td>3,240</td>
<td>102</td>
<td>3.1%</td>
<td></td>
</tr>
</tbody>
</table>

On motion by Mr. Nisbet, seconded by Mr. Pingel, it was voted to approve these recommendations with the request that Vice President May check with Mr. Cress and Mr. Harding before authorizing the sale of 300 shares of U. S. Steel 7% pfd. and 91 shares of International Harvester 7% pfd. and the purchase of Bethlehem Steel pfd. If the justification in Mr. May's thinking is sufficient, he is authorized to proceed. If the reasons do not seem compelling, he is authorized to retain the U. S. Steel pfd.

2. Mr. May requests authority to sell $2.2 million Michigan State University bonds to the National Bank of Detroit at par, and to sign a 1-year repurchase agreement.

On motion by Mr. Nisbet, seconded by Mr. Huff, it was voted to approve the above request.

3. Recommendation that the Trustees approve the following allocation of funds raised in 1963 by the Michigan State University Development Fund Office:

<table>
<thead>
<tr>
<th>Allocation</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni Distinguished Scholarship Awards</td>
<td>$60,000.00</td>
</tr>
<tr>
<td>Distinguished Faculty Awards</td>
<td>6,250.00</td>
</tr>
<tr>
<td>Planetarium Account—Interest Due</td>
<td>5,418.56</td>
</tr>
<tr>
<td>Development Fund Administrative Expense</td>
<td>10,096.15</td>
</tr>
<tr>
<td>Planetarium</td>
<td>21,500.30</td>
</tr>
<tr>
<td>Office Equipment for Development Fund</td>
<td>13,500.00</td>
</tr>
<tr>
<td>English Department</td>
<td>400.00</td>
</tr>
<tr>
<td>Art Department</td>
<td>4,500.00</td>
</tr>
<tr>
<td>Library</td>
<td>5,000.00</td>
</tr>
<tr>
<td>Total</td>
<td>$157,072.31</td>
</tr>
</tbody>
</table>

On motion by Mr. Bagwell, seconded by Mr. Merriman, it was voted to approve the above allocation.

4. Communication from Mr. May with reference to the Oliver plant property in Battle Creek:

At the last Board meeting I reported that it was possible that a group of Battle Creek residents might form a corporation to purchase the Oliver plant if suitable financial arrangements could be worked out.

I have now been advised by Mr. Merrill, Secretary of the Chamber of Commerce, that the interested group does not feel it should undertake a project of this magnitude.

I would therefore like the concurrence of the Board to proceed with a management contract with Hubbard Associates of Detroit for the sale and/or leasing of the property. Any sales, of course, would need to be brought to the Board for approval. It is suggested that leases be signed for this property.

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


a. The recommendations relative to campus parking and driving to be effective for the Fall of 1964 are nearing finalization. A draft of the rules in the present form accompanied this agenda. These rules will not be finalized until after the faculty committees and the Academic Council have had another opportunity to discuss them. The final version will be presented for approval of the Trustees at the May meeting.

b. In order that we may proceed with the planning and construction of parking lots and the purchase of buses, I will need authorization from the Board to incur substantial obligations. These may be summarized as follows:

1) Construction of storage parking lot at Mt. Hope and Farm Lane | $175,000 |
2) Parking meters and parking gates | 25,000 |
3) Ten buses | 270,000 |

I would suggest that the cost of the buses be financed with a 10-year loan bearing 5% from the Pension Fund. This loan is to be repaid in annual installments over the 10-year period.

At the close of this fiscal year, approximately $425,000 of the cost of the South Campus parking ramp will remain unfunded. With additional expenditures of $200,000 referred to above, the unfunded expenditures for parking facilities will amount to...
Minutes of the Finance Committee Meeting, continued:

5. Parking and Driving Regulations, Bus Service, et cetera, continued:

$625,000. I would like Board approval to continue to carry this item unfunded, but with the understanding that all of the income from the student and faculty car registrations as well as parking meter and lot revenue is to be applied to the liquidation of this obligation. It is my estimate that the fees proposed in the parking regulation with the miscellaneous parking income will amount to approximately $200,000 per year.

We will still have a serious parking problem on the North Campus; and it may be that before the $625,000 is paid off, we will want to refinance this obligation to permit construction of a parking ramp on the North Campus.

It was voted to approve these regulations in principle and to authorize preliminary planning to activate this program as now contemplated with the understanding that the entire program will be presented in greater detail for final action at the May meeting of the Trustees.

6. Long ago the Trustees authorized planning and construction of two additional dormitories to be available for the fall of 1965. The plans are completed. It is expected that the legislature before adjournment will approve the resolution authorizing their construction. A problem arises due to the probability that the new steam plant will not be in operation until sometime after January 1, 1966. In view of this situation, it is recommended that the Board authorize the immediate construction of the dormitory to be built east of McDonel Hall and north of Shaw Lane near the intersection of Hagadorn Road, and that we postpone starting construction on the second one until approximately March 1965.

After considerable discussion, it was agreed that we should proceed immediately with the construction of the first dormitory recommended above. It was the expressed hope of several of the Trustees that it would be feasible to start construction of the second dormitory so that it, too, could be available in the fall of 1965. The final decision as to when its construction is to be undertaken will be made at a later date.


Mr. Huff to represent Board at Assoc. Gov. Bds. meeting

7. The President pointed out the need for the selection of an architect to begin finalizing the planning for the new building to house the two-year medical programs that cannot be accommodated in existing structures.

After discussion, it was moved by Mr. Harlan, seconded by Mr. Pingel, and voted to authorize the employment of Ralph R. Calder Associates. This building is to be known as the Life Science Building.

8. The President reminded the Trustees of the spring meeting of the Association of Governing Boards at the University of Nevada Reno Campus and urged at least one member to attend.

After canvassing the group, Mr. Warren Huff agreed that he would represent the Trustees at this meeting.

Adjourned.

MINUTES OF THE MEETING
of the
BOARD OF TRUSTEES
April 16, 1964

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

Absent: No one

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

The Minutes of the March meeting were approved.

SPECIAL MISCELLANEOUS

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

On motion by Mr. Merriman, seconded by Mr. Hisbet, it was voted to approve the Finance Committee items on the preceding pages.

2. Mr. Hisbet presented the following resolution:

WHEREAS, the affairs of this University have assumed an ever increasing complexity with the passage of time, and

WHEREAS, the knowledge and experience of the principal administrative officer have been invaluable to the present development of the University and will continue to be required for the future success of the institution,

NOW, THEREFORE, Be It Resolved that the President shall be eligible to continue in office at the pleasure of the Board for such term as he shall be able to serve effectively, without regard to mandatory retirement occasioned by age.

This was seconded by Mr. Harlan and unanimously voted.
3. Up until now the new building under construction to house our International Programs and certain other activities has been referred to as the International Center. It is recommended that this building be officially known as "The Center for International Programs."

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

4. In the Akers-Fee dormitory complex we are building a free-standing library and auditorium to serve the Akers and Fee Dormitories, McDonel Halls, and the dormitories to be built later in that area. It is desirable to give this building a name of its own, and at an early date, so that it can be referred to in student publications now in preparation for next year's use.

It is recommended that this building be named in honor of Elisabeth W. Conrad who served as our first Dean of Women and as Professor of French from October 1928 through June 30, 1945. Miss Conrad died in Washington, D.C., in November 1963. The building is to be known as "The Elisabeth W. Conrad Hall."

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

5. Approval of a resolution commending the Detroit Economic Club and its President, General Lester Skene Bork for the program they arranged for April 13, 1964.

After discussion, on motion by Mr. Harlan, seconded by Dr. Smith, it was voted to commend the Detroit Economic Club and its President, General Lester Skene Bork for arranging the program for the luncheon meeting on April 13, 1964, at which an opportunity was given to spokesmen from higher education to describe the difficulties confronting the colleges and universities of Michigan in their attempts to provide increasingly good education for the increasing numbers of students they are being called upon to admit, and in their attempts to extend educational opportunities to those in whose paths economic and social barriers still stand. The Trustees are confident that the people of Michigan will make the necessary means available if they are provided with the relevant facts, and are grateful for the opportunity to present such facts to the leadership represented by the members of the Detroit Economic Club.

6. Mr. Bagwell expressed his regret over an article in a recent issue of the State News, criticizing Representative Arnell Engstrom.

On motion by Mr. Bagwell, seconded by Dr. Smith, it was unanimously voted to instruct the Secretary of this Board to write to Representative Engstrom expressing the regrets of the Board of Trustees that a signed column by a student in the April 10 issue of the State News disparaged without warrant a respected member of the House of Representatives. The Trustees defend the right of students to express their views on the editorial page of the student newspaper without censorship, but they want to assure Representative Engstrom that the opinions expressed by the writer in this instance were his alone, and obviously based on nothing substantial. They fully appreciate the ability and conscientious service he has consistently given to the entire State, and they are appreciative of his consistent support of higher education and of Michigan State University in particular over a long period of years.

7. Commendation for the Michigan State University mathematics team which recently won the Putnam National Award for mathematics excellence.

On motion by Mr. Huff, seconded by Mr. Merriman, it was unanimously voted that the Board record in these minutes their pleasure, approval and gratification over the success of the Michigan State University mathematics team which recently won the Putnam National Award for mathematics excellence.

NEW BUSINESS

Resignations and Terminations

1. Diane M. Place, Home Economics Agent, Wayne County, March 20, 1964 to accept employment as Consumer Consultant to the Department of Health, Education and Welfare.

2. Cancellation of the appointment of Patrick Heron, Visiting Artist, Art Department, April 1, 1964. Mr. Heron is ill and unable to report for duty.

3. Malcolm S. MacLean, Jr. Professor of Communication and Associate Director of the Communications Research Center, June 30, 1964 to accept a position at the University of Iowa.

4. Edward J. Hardick, Instructor in Speech, August 31, 1964 to accept a position at the University of Tennessee.

5. Thomas Telder, Instructor in Teacher Education, August 31, 1964 to accept a position at the State University of Iowa.

6. Gerard P. Weeg, Professor of Mathematics and Electrical Engineering, December 31, 1963 to accept a position at the State University of Iowa.


8. Cancellation of the appointment of Burton S. Dow, III, Instructor in Humanities, September 1, 1964. He cannot leave his present position because of personal family reasons.

Leaves--Sabbatical

1. Boyd C. Wiggins, Extension Director Branch County, with full pay from June 1, 1964 to August 31, 1964 to complete his M.S. at M.S.U.

2. Rollin H. Simonds, Professor of Management with full pay from January 1, 1965 to March 31, 1965 for study and travel in the United States.

3. Ruby Junge, Associate Professor of Elementary and Special Education, with full pay from September 1, 1964 to December 31, 1964 to study in East Lansing, Detroit, Ann Arbor.

4. David R. Krathwohl, Professor of Foundations of Education, with full pay from April 1, 1964 to June 30, 1964 to study in East Lansing.

5. David R. Krathwohl, Professor of Foundations of Education, with full pay from April 1, 1964 to June 30, 1964 to study in East Lansing.

6. Howard S. Potter, Associate Professor (Extension) Botany and Plant Pathology, with full pay from May 16, 1964 to June 10, 1965 to study at the Experiment Station in Florida.

7. Harry A. Rick, Associate Professor of Chemistry, with half pay from September 1, 1964 to August 31, 1965 to study in New Mexico and Sweden.

8. Richard E. Schendeman, Associate Professor of Chemistry with half pay from September 1, 1964 to August 31, 1965 to study at the University of Upsala, Sweden.

9. Leroy M. Kelly, Professor of Mathematics, with half pay from September 1, 1964 to August 31, 1965 to study at Cambridge.

10. Boris F. Fasek, Professor of Economics, with full pay from April 1, 1965 to June 30, 1965 for study and travel in East Lansing and Europe.

11. Arthur F. Brandtstatter, Professor and Director of the School of Police Administration and Public Safety, with full pay from October 1, 1964 to December 31, 1964 to write a book.

12. William A. Faunce, Associate Professor of Sociology and Anthropology and Labor and Industrial Relations, with full pay from September 1, 1964 to December 31, 1964 for study in East Lansing.

13. Robert F. Langham, Professor of Pathology, with full pay from June 16, 1964 to September 15, 1964 to study at Upjohn Company and Armed Forces Institute.

Leaves--Health


2. Joseph W. Sheedy, Associate Professor of Mathematics, with full pay from March 1, 1964 to August 31, 1964.

3. Herbert Bergman, Assistant Professor of American Thought and Language, with full pay from April 1, 1964 to June 30, 1964.

Leaves--Other

1. Clinton E. Peterson, Professor (Res.) of Horticulture without pay from May 1, 1964 to June 30, 1964 for work with the Greek Government.

2. Georges J. Joyaux, Professor of Foreign Languages, without pay from September 1, 1964 to August 31, 1965 to be Visiting Professor at the University of Arizona.

3. Robert W. Johnson, Professor of Accounting and Financial Administration, without pay from September 1, 1964 to August 31, 1965 for study, research and to work for the National Conference of Commissioners on Uniform State Laws.

4. Herman Rubin, Professor of Statistics, without pay from September 1, 1964 to August 31, 1965 to study at Stanford. His travel expenses and summer salary will be paid through MSU from a research contract.

Appointments

1. Harvey O. Middleton, 4-H Agent, Gratiot County, at a salary of $6400 per year on a 12-month basis effective May 1, 1964.

2. Rella M. Bowers, Home Economics Agent, Clare and Gladwin Counties, at a salary of $6,200 per year on a 12-month basis effective June 8, 1964.

3. Barbara Joan Henrikson, Home Economics Agent, Tuscola County, at a salary of $6000 per year on a 12-month basis effective July 1, 1964.

4. Margaret Jane Suydam, Home Economics Agent, Allegan County, at a salary of $8000 per year on a 12-month basis effective April 1, 1964.
Appointments, continued

5. Max Eugene Austin, Horticultural Agent, Macomb County, at a salary of $8500 per year on a 12-month basis effective May 1, 1964.

6. William G. Nickert, Assistant Professor of Agricultural Engineering at a salary of $9000 per year on a 12-month basis effective July 1, 1964.

7. Douglas J. Gerrard, Instructor in Forestry, at a salary of $8500 per year on a 12-month basis effective July 1, 1964 to June 30, 1965.

8. Sadayoshi Omoto, Associate Professor of Art, at a salary of $8500 per year on a 10-month basis effective September 1, 1964. Mr. Omoto is appointed with the understanding that before he is granted permanent tenure, it will be necessary for him to have passed the health examination required of all new employees.

9. Robert R. Bishop, Assistant Professor of Romance Languages and Literature, at a salary of $8000 per year on a 10-month basis effective September 1, 1964.

10. Juan A. Calvo, Instructor in Romance Languages and Literature at a salary of $6800 per year on a 10-month basis effective September 1, 1964.

11. Alexis Klimoff, Instructor in German and Slavic Languages and Literature at a salary of $6000 per year on a 10-month basis effective September 1, 1964.

12. George Phillip Mansour, Instructor in Romance Languages and Literature at a salary of $8000 per year on a 10-month basis effective September 1, 1964.

13. Philip M. Morris, Assistant Professor of German and Slavic Languages and Literature at a salary of $7500 per year on a 10-month basis effective September 1, 1964.


15. John M. Trojanowicz, Instructor in German and Slavic Languages and Literatures at a salary of $7500 per year on a 10-month basis effective September 1, 1964.

16. William Ross Russell, Assistant Professor of Economics, at a salary of $10,300 per year on a 10-month basis effective September 1, 1964.

17. Sidney L. Berger, Assistant Professor of Speech, at a salary of $7800 per year on a 10-month basis effective September 1, 1964.

18. Patricia Jean Cianciolo, Assistant Professor of Elementary and Special Education, at a salary of $8500 per year on a 10-month basis effective September 1, 1964.

19. Douglas G. Gilmore, Assistant Professor of Elementary and Special Education, at a salary of $10,000 per year on a 10-month basis effective August 1, 1964.

20. Ray G. Harper, Assistant Professor of Elementary and Special Education, at a salary of $10,000 per year on a 10-month basis effective August 1, 1964.

21. William W. Joyce, Assistant Professor of Elementary and Special Education, at a salary of $10,000 per year on a 10-month basis effective August 1, 1964.

22. Robert G. Oana, Assistant Professor of Elementary and Special Education, at a salary of $10,000 per year on a 10-month basis effective August 1, 1964.


24. Robert G. Griswold, Assistant Professor of Mathematics, at a salary of $8200 per year on a 10-month basis effective September 1, 1964.

25. Friedrich Buckemann, Visiting Professor of Mathematics, at a salary of $16,000 per year on a 10-month basis effective September 1, 1964 to August 31, 1965.

26. James Thomas Day, Assistant Professor of Mathematics, at a salary of $13,000 per year on a 12-month basis effective September 1, 1964.

27. Joyce Young Passos, Assistant Professor of Nursing, at a salary of $8000 per year on a 10-month basis effective September 1, 1964 to August 31, 1965.

28. Charles R. Grun, Assistant Professor of Physics and Astronomy, at a salary of $8500 per year on a 10-month basis effective September 1, 1964.

29. John R. Hardy, Research Associate of Physics and Astronomy, at a salary of $1100 per month from June 1, 1964 and August 31, 1964.

30. Ralph A. Pax, Assistant Professor of Zoology, at a salary of $8000 per year on a 10-month basis effective September 1, 1964.
**Appointments, continued**


32. Santo F. Camilleri, Associate Professor of Sociology and Anthropology, at a salary of $13,000 per year on a 10-month basis effective September 1, 1964.

33. Ralph Nicholas, Assistant Professor of Sociology and Anthropology, at a salary of $9200 per year on a 10-month basis effective September 1, 1964.

34. John Edward Ferres, Assistant Professor of American Thought and Language, at a salary of $7800 per year on a 10-month basis effective September 1, 1964.


36. George C. Lamb, Instructor in American Thought and Language at a salary of $6800 per year on a 10-month basis effective September 1, 1964.

37. Ann Hewell Ridgeway, Instructor in American Thought and Language at a salary of $6500 per year on a 10-month basis effective September 1, 1964.


40. Peter A. McKinnon, Instructor in Humanities, at a salary of $5400 per year on a 10-month basis effective September 1, 1964.

41. Alfred Lemneth Britt, Instructor in Pathology, at a salary of $10,000 per year on a 12-month basis effective July 1, 1964.

42. Hina Bremer, Specialist, Audiovisual Center, at a salary of $6500 per year on a 12-month basis effective July 1, 1964.

43. Leonard E. Cluley, Librarian, Library, at a salary of $5600 per year on a 12-month basis effective July 1, 1964.

44. Robert G. Grove, Librarian, Library, at a salary of $5600 per year on a 12-month basis effective July 1, 1964.


46. Edward Phelps Speare, Associate Professor of Fisheries and Wildlife and Zoology, at a salary of $1800 for the period June 30, 1964 to August 12, 1964.

47. Jane Kelly Shearer, Associate Professor of Textiles, Clothing and Related Arts at a salary of $1400 for the period June 22, 1964 to July 29, 1964.


**Transfers**

1. William J. MacLean, from Extension Director Oceana County to Horticulture Agent Western Michigan, at a salary of $8700 per year on a 12-month basis effective May 1, 1964.

**Salary changes**

- **Russell Mawby**
  1. Increase in salary for Russell G. Mawby, Assistant Director Extension Service, to $16,200 per year on a 12-month basis effective April 1, 1964.

- **Abba Lerner**
  2. Change in salary for Abba P. Lerner, Professor of Economics, from $21,500 per year on a 10-month basis to $17,800 per year on a 10-month basis effective April 1, 1964 to July 31, 1964. Professor Lerner is being changed from full time to 80% time for spring term 1964.

- **Peter Eckel**
  3. Change Peter Eckel to Manager AP-V Fee Halls at a salary of $7500 per year effective April 1, 1964.

On motion by Mr. Pingel, seconded by Mr. Harlan, it was voted to approve the Resignations and Terminations, Leaves, Appointments, Transfers and Salary Changes.
NEW BUSINESS, continued

Miscellaneous

1. The following promotions are recommended to be effective July 1, 1964:

TO PROFESSOR

Agriculture
- Carl R. Hoglund (Agricultural Economics)
- Robert L. Maddex (Agricultural Engineering)
- Maurice W. Adams (Crop Science)
- Jonathan W. Wright (Forestry)
- Clarence E. Lewis (Horticulture)
- Robert K. Ringer (Poultry Science)

Arts and Letters
- James McConnell (Art)
- Katherine Winckler (Art)
- Clyde E. Henson (English)
- Nikolai P. Poltoratsky (Foreign Languages)
- Stuart W. Bruchey (History)
- Henry Harris (Music)
- Hans Nathan (Music)

Business
- Stuart B. Mead (Accounting and Financial Administration)
- John L. O'Donnell (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)
- Arthur E. Warner (Business Economics and Administration and Higher Education)
- Claude McMillan (Speech)

Communication Arts
- David C. Ralph (Speech)

Education
- Richard L. Featherstone (Education and Administration and Higher Education, Elementary Education, Guidance and Personnel Services, Health, Physical Education and Recreation, Learning Systems Institute, Secondary Education and Curriculum)
- Julian W. Smith (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)
- William K. Durr (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)
- James W. Costar (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)
- William E. Beazner (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)
- Gale E. Mikles (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)
- Ted W. Ward (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)
- Raymond Clark (Accounting and Financial Administration, and Bureau of Business and Economic Research, Business Law, Insurance, and Office Administration, and Graduate School of Business Administration, Management and Continuing Education)

Natural Science
- Barnett Rosenberg (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)
- Axel L. Anderson (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)
- James L. Dye (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)
- Roland L. Fischer (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)
- E. C. Martin (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)
- Maynard M. Miller (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)
- John G. Hocking (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)
- John A. King (Biophysics, Botany and Plant Pathology, Chemistry, Entomology, Geology, Mathematics, Zoology)

Social Science
- John P. Henderson (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Herbert Garfinkel (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Frank A. Pinner (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Abram M. Baro (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Charles Hamley (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Stanley C. Ratner (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- John Guillahorn (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Charles G. Hughes (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Donald V. Olmsted (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology)
- Sanford S. Farnes (Economics, Political Science, Political Science and Social Science Res. Bureau, Psychology, Psychology, Sociology and Anthropology, Urban Planning and Landscape Architecture)

University College
- Petr E. Fischer (American Thought and Language, American Thought and Language, Humanities and Religion, Humanities, Natural Science, Natural Science and Center for International Studies in Education)
1. Promotions, continued:

TO PROFESSOR

Dennis W. Strawbridge
Albert A. Blum
William T. Ross

Veterinary Medicine

Ben R. Burmester
Delbert Schoenhard
John E. Mellow

Dean of Students

Gwendolyn Norrell

TO ASSOCIATE PROFESSOR

Agriculture

Myron P. Kelsey
Alfred A. Schmid
Harold D. Hafs
Pericles Markakis
Alvin L. Rippen
Otto Suchaland
David R. Dilley

Arts and Letters

Owen D. Brainard
Irwin Whitaker
Bernard J. Paris
D. Gordon Rohman
William Wullaion
Ella N. Cowles
R. Marvin Cain
James R. Booker
Paul M. Hurrell

Business

Orvis F. Collins
Reed Moyer

Communication Arts

Kenward L. Atkin
Erwin P. Bettinghaus
Elsie M. Edwards

Education

Frank H. Blackington III
C. Blair MacLean
William H. Kennedy

Engineering

Donald K. Anderson
Shosei Serata
Martin G. Keeney
Glen W. Halik

Natural Science

William H. Reusch
Douglas W. Hall
Martin Fox

Social Science

Subbiah Kannappan
John Donoghu
Richard D. Duke

University College

Richard J. Coelho

April 16, 1964
NEW BUSINESS, continued

Miscellaneous, continued

1. Promotions, continued:

TO ASSOCIATE PROFESSOR

University College
Robert Morsberger
Jerry J. West
Norman Penlington
Lincoln C. Pettit
Richard J. Seltin
Wilbert E. Wade

Veterinary Medicine
David T. Clark
Donald W. Schmidt
Glenn L. Wasler
James R. Stiefel
David Ellis

Continuing Education
Milton John Hagelberg

University Services
Edward P. McCoy
Eugene DeBeno

Special Projects
Horace C. King

Dean of Students
Norman Abeles

TO ASSISTANT PROFESSOR

Arts and Letters
Mary E. Devine
James L. Hill

Natural Science
Dorothy Bollman
Julian R. Brandou

University College
Nelson P. Edmondson
David E. Kidd

Veterinary Medicine
Virginia H. Mallmann

Continuing Education
Gordon T. Coats

On motion by Mr. Bagwell, seconded by Mr. Herriman, it was voted to approve the foregoing promotions to be effective July 1, 1964.

2. Change in the effective date of the appointment of Robert Dale Stevens as Associate Professor of Agricultural Economics from May 1 to June 1, 1964.

3. Change John E. Dietrich from Professor and Chairman of Speech to Professor, Assistant Provost, and Director of the Educational Development Program at the same salary of $20,000 per year on a 12-month basis, effective April 16, 1964, paid from account 11-2081.

On motion by Mr. Nisbet, seconded by Mr. Harlan, it was voted to approve Item 3.

4. Designation of Herbert J. Oyer, Professor of Speech, as Chairman of the Speech Department with an increase in salary from $15,000 to $18,500 per year on a 12-month basis, effective April 16, 1964.
5. Change in salary source for John Barson, Associate Professor of Administration and Higher Education and Audiospatial Center, to 75% from 71-2268 and 25% from 21-1594, effective March 1, 1964.
6. Change in status of Austen J. Smith from Professor and Chairman of Metallurgy, Mechanics, and Materials Science at a salary of $17,500 per year on a 12-month basis to Professor of Metallurgy, Mechanics, and Materials Science at a salary of $13,350 per year on a 10-month basis, effective September 1, 1964.
7. Change in status of Martha E. Dale, Assistant Professor of Home Management and Child Development, from half time at a salary of $8,500 per year to four-fifths time at a salary of $6,880 per year, effective from April 1 to June 30, 1964. Dr. Dale is employed on a temporary basis, and her salary is to revert to $5,500 per year from July 1 to August 31, 1964.
8. Change in the effective date of the appointment of Andrew D. Hunt, Jr., as Dean and Professor of the College of Human Medicine from July 1 to June 1, 1964.
9. Change in salary source for Walter Benenson, Assistant Professor of Physics and Astronomy, to $918.75 per month from 11-3891 and $122.91 per month from 71-1765, effective from December 16, 1963, to June 30, 1964.
10. Assignment of Subbiah Kannappan, Assistant Professor, to Economics and Labor and Industrial Relations with his salary paid 70% from 11-3891 and 30% from 11-3941, effective from September 1, 1964, to August 31, 1965.
11. Cancellation at his request of sabbatical leave with half pay for Guy R. Fox, Professor of Political Science, from September 1, 1964, to August 31, 1965.
12. Change in salary source for Baljit Singh, Assistant Professor of Political Science, to 100% from 11-3891, effective from April 1 to June 30, 1964.
13. Designation of D. Newton Glick, Professor, as Acting Director of the School of Urban Planning and Landscape Architecture, effective from April 1 to September 30, 1964.
14. Reassignment of Richard G. Wheeler, Associate Professor of Agricultural Economics, to the Colombia Project, effective from April 15, 1964, to April 14, 1965, paid from 71-1954.
15. Change in the effective dates of the appointment of T. W. Schultz as Adviser to the Economic Development Institute in the Nigeria Program from March 9-20 to March 6-21, 1964.

On motion by Mr. Barson, seconded by Mr. Smith, it was voted to approve Items 1 through 15 except Item 3 on which action already appears.

16. Report of the death of Julia Frances Tear on April 3, 1964. Miss Tear was born on July 9, 1887, was employed by the University on September 1, 1923, and was Associate Professor of Textiles, Clothing, and Related Arts at the time of her retirement on January 1, 1950.
17. Report of the death of William R. Williams, Head Clerk in the Union, of a heart attack on March 21, 1964. Mr. Williams was born on November 21, 1914, and had been an employee of the University since February 19, 1962.
18. Report of the death of Charles A. Walker on December 31, 1963. Mr. Walker was born on June 22, 1882, was employed in Animal Husbandry on May 1, 1921, and was retired on July 1, 1947.
19. Recommendations from the Director of Personnel, as follows:
   a. Establish a Technical Writer AP IV position in Agricultural Engineering, paid from 71-1792.
   b. Establish an Administrative Secretary AP I position in the College of Human Medicine.
   c. In the Science and Mathematics Teaching Center:
      1) Reclassify a Clerk-Stenographer III to a Senior Clerk-Stenographer V position, paid from 71-2724.
      2) Transfer a position from the labor payroll to a Senior Clerk IV position.
   d. Establish a Senior Technician VII position in Microbiology and Public Health, paid from 71-2218.
   e. Reclassify a Clerk-Stenographer III to a Departmental Secretary V position in Closed Circuit Television.
   g. Reinstatement of 4 Senior Clerk IV positions in Admissions and Scholarships.
   h. Reclassify 2 Head Nurse VII to Nurse, Supervisor VIII positions in the Health Service.

On motion by Mr. Stevens, seconded by Mr. Pingel, it was voted to approve Item 19.

20. More than a year ago the Trustees informally approved tentative negotiations looking forward to a possible Michigan State University involvement in a project being developed in Argentina by the Agency for International Development to amalgamate a research and extension station with a college of agriculture into a land-grant type institution. Involved are the Instituto Nacional de Tecnologia Agropecuaria (INTA—an Argentine government agency in charge of research and extension for the whole country) and the
20. Negotiations re: project in Argentina, continued:

College of Agriculture of the University of Mar del Plata. The site of the project is some 40 kilometers inland from the City of Mar del Plata which is located on the coast in the southeast of Buenos Aires Province.

Michigan State University has been asked to provide assistance in developing a project under a contract for a 2-year period with the understanding that a minimum of 6 years will be required for a reasonable development to take place. It is now recommended that the Board authorize our proceeding to a formal contract involving AID, INTA, the University of Mar del Plata, and Michigan State University.

21. On April 1 the following bids were received for construction of the Packaging Laboratory:

<table>
<thead>
<tr>
<th>General Construction</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Christman Company</td>
<td>$286,440</td>
</tr>
<tr>
<td>Granger Construction Company</td>
<td>285,000</td>
</tr>
<tr>
<td>Erickson &amp; Lindstrom Construction Co.</td>
<td>291,444</td>
</tr>
<tr>
<td>Clark Construction Company, Inc.</td>
<td>304,000</td>
</tr>
<tr>
<td>Miller-David Company</td>
<td>308,000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical Work</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lorne Company, Inc.</td>
<td>$133,560</td>
</tr>
<tr>
<td>John E. Green Plumbing &amp; Heating Co., Inc.</td>
<td>140,250</td>
</tr>
<tr>
<td>Shaw-Winkler, Inc.</td>
<td>143,460</td>
</tr>
<tr>
<td>Spisley Corporation</td>
<td>146,440</td>
</tr>
<tr>
<td>Bard, Inc.</td>
<td>146,960</td>
</tr>
<tr>
<td>Phoenix Sprinkler &amp; Heating Company</td>
<td>151,000</td>
</tr>
<tr>
<td>The Robert Carter Corporation</td>
<td>151,000</td>
</tr>
<tr>
<td>Eames &amp; Brown, Inc.</td>
<td>157,600</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical Work</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lansing Electric Motors</td>
<td>$41,706</td>
</tr>
<tr>
<td>Central Electric Motor &amp; Construction Co.</td>
<td>60,573</td>
</tr>
<tr>
<td>Quality Electric</td>
<td>69,700</td>
</tr>
<tr>
<td>Don Fox Electric</td>
<td>69,865</td>
</tr>
<tr>
<td>Hall Electric Co.</td>
<td>71,700</td>
</tr>
<tr>
<td>Hatzel &amp; Buehler, Inc.</td>
<td>71,791</td>
</tr>
<tr>
<td>Barker-Fowler Electric Company</td>
<td>77,639</td>
</tr>
</tbody>
</table>

Since the bids exceeded the funds available from the Packaging Foundation, it was necessary to make some major changes in the contract specifications. Working with the low bidders in each instance the architect has made revisions to reduce the cost as follows:

<table>
<thead>
<tr>
<th>General Construction</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christman Company Less Precontract Bulletins</td>
<td>$286,440</td>
</tr>
<tr>
<td>Lorne Plumbing &amp; Heating Less Precontract Bulletins</td>
<td>$133,560</td>
</tr>
<tr>
<td>Lansing Electric Motors Less Precontract Bulletins</td>
<td>$41,706</td>
</tr>
</tbody>
</table>

It is recommended that the Board approve awarding contracts in the following amounts:

<table>
<thead>
<tr>
<th>General Construction</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Christman Company</td>
<td>$242,152</td>
</tr>
<tr>
<td>Lorne Plumbing &amp; Heating</td>
<td>122,486</td>
</tr>
<tr>
<td>Lansing Electric Motors</td>
<td>54,214</td>
</tr>
</tbody>
</table>

If the Board approves the awarding of contracts, the budget for this project will be:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction</td>
<td>$418,852</td>
</tr>
<tr>
<td>Architect</td>
<td>21,000</td>
</tr>
<tr>
<td>Utilities</td>
<td>3,200</td>
</tr>
<tr>
<td>Site</td>
<td>5,000</td>
</tr>
<tr>
<td>Furnishings</td>
<td>5,500</td>
</tr>
<tr>
<td>Contingencies</td>
<td>6,448</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$560,000</td>
</tr>
</tbody>
</table>

The Packaging Foundation had previously agreed to raise up to $400,000 for this project. With the higher-than-anticipated cost, it was necessary to ask the Board of Directors to increase its commitment for this project.

The Board of Directors of the Packaging Foundation met on April 10 and authorized an increased commitment for this project to the $460,000 to meet this budget.

22. On March 25 the following bids were received for the Bogue Street Parking revisions near the dormitories:

<table>
<thead>
<tr>
<th>General Construction</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crandell Trenching Service</td>
<td>$29,307</td>
</tr>
<tr>
<td>Kegle Construction Company</td>
<td>29,795</td>
</tr>
<tr>
<td>T. A. Porberg, Inc</td>
<td>31,873</td>
</tr>
<tr>
<td>Kenneth Roberts</td>
<td>32,970</td>
</tr>
</tbody>
</table>
Bogue Street parking revisions contract let to Crandell
Kegle awarded contract for site work Chem and Biochem bldgs

### Miscellaneous, continued

#### 22. Bogue Street Parking revisions near dormitories, continued:

It is recommended that the Board approve a contract with the Crandell Trenching Service, the low bidder, at a cost of $29,307 to be charged to Account 41-4333.

#### 23. On March 26 the following bids were received for site work at the Chemistry and Biochemistry building projects:

<table>
<thead>
<tr>
<th>Base Bid</th>
<th>Alt. No. 1</th>
<th>Alt. No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kegle Construction Co.</td>
<td>$47,260.25</td>
<td>$900</td>
</tr>
<tr>
<td>Crandell Trenching Service</td>
<td>48,148.00</td>
<td>850</td>
</tr>
<tr>
<td>T. A. Forsberg, Inc.</td>
<td>52,697.38</td>
<td>1000</td>
</tr>
<tr>
<td>Kenneth Roberts</td>
<td>55,533.66</td>
<td>2731</td>
</tr>
</tbody>
</table>

It is recommended that a contract be awarded to the Kegle Construction Co. for the amount of the base bid and Alternate No. 2, for a total price of $45,860.25.

On motion by Mr. Stevens, seconded by Mr. Merriman, it was voted to approve Item 23.

On motion by Mr. Merriman, seconded by Dr. Smith, it was voted to approve Items 20, 21 and 22.

### Gifts and Grants

**Gifts and grants**

1. Gift of a Model 250 Simpson Electric Company Volt-Ohm-Milliammeter valued at $51 from Howard C. Blake of East Lansing to be used in the School of Packaging laboratories.

2. Gift of a black and white etching by Albrecht Durer, entitled "Hemessis", or also known as "The Great Fortune", circa 1501-02, valued at $801 from Jack Wolfram of Lansing. This gift is made to the MSU Development Fund for the Kresge Art Center.

3. Grants as follows to the MSU Development Fund for transfer to student loan funds:
   a. $25 from Mr. and Mrs. William Herbert Edwards of Milford for the General Student Loan Fund
   b. $40 from employees of Frisch's Restaurants, Inc., of Cincinnati, Ohio, for the Gertrude David Memorial Student Loan Fund
   c. $300 from the Snyder Hall Club of Michigan State University for a student loan fund to be known as the Snyder Hall Scholarship Loan Fund.

4. Grants as follows to be used for scholarship purposes:
   a. $1,000 from the International Minerals and Chemical Corporation of Skokie, Illinois, to support a Louis Ware Scholarship for a senior student in Agriculture.
   b. $300 from the Opti-Mrs. Club of Lansing to be used for a Nursing Scholarship under the direction of Florence Kempf.
   c. $200 from the Woman's Board of Managers of Sparrow Hospital for Nursing Scholarships.
   d. To continue previously established scholarships:
      1) $200 from Tom A. Johnson of East Lansing
      2) $250 from the National Association of Hotel and Restaurant Equipment Purveyors of Denver, Colorado, for the Arthur Davis Memorial Scholarship
      3) $25 from Stanley Indera for the Honor College Scholarship Fund
      4) For the MSU Faculty Scholarship Fund:
         a. $165 from Leroy Augenstein
         b. $15 from R. J. Jursa
         c. $50 from G. A. Sabine
         d. $65 from L. W. Witt
   e. For specified students:
      a. $1,000 from Baseball-Office of the Commissioner of New York City
      b. $250 from the Italian-American Veterans Memorial Scholarship of Southbridge, Mass.
      c. $100 from the Mascomb MSU Alumni Club of Mt. Clemens
      d. $100 from the Michigan State Women's Club of Kent County
      e. $150 from the Edward H. Woeller Scholarship Fund of Buffalo, New York
      f. $250 from the Paul Pigott Scholarship Foundation of Benton, Washington
      g. $300 from the Riverview Pirates Boosters Club of Wyanotte
      h. $500 from Tiscornia Foundation, Inc., of St. Joseph

5. Grant of $50,000 from the Area Redevelopment Administration of the United States Department of Commerce of Washington, D.C., to be used under the direction of Uel Blank in Cooperative Extension for a pilot study-development demonstration of the objectives of tourism-recreation industry of the Upper Peninsula.

6. Approval of a memorandum of agreement with The American Oil Company of Chicago covering a grant of $3,500 to be used under the direction of C. M. Hansen in Agricultural Engineering for research to determine the effectiveness of asphalt barriers in the soil as a means of soil moisture retention.

7. Grant of $4,000 from the American Angus Association of St. Joseph, Missouri, to be used under the direction of Robert Merbel in Animal Husbandry for an evaluation of quantitative differences in beef carcasses by objective procedures.
Gifts and Grants, continued

8. Grants as follows to be used under the direction of R. G. Mawby in 4-H Clubs:
   a. $1,000 from the Farmers and Manufacturers Sugar Beet Association of Saginaw to
      conduct the annual sugar beet tour for 4-H and PPA to Detroit and vicinity
   b. $9,000 from the 4-H Foundation of Michigan, Inc., of East Lansing to be used
      $3,500 for the 1964 Leadermete, $4,000 for the IFYE Program, and $1,500 for
      Leader Training Workshops
   c. $4,000 from the Michigan Bell Telephone Company of Detroit to conduct the 1964
      Conservation Camp at Chatham.
   d. $3,500 from the Michigan Milk Producers Association of Detroit to send four
      delegates and their chaperones to the annual Dairy Conference in Chicago.
   e. $1,500 for the National 4-H Service Committee, Inc., of Chicago to pay the
      expenses of a leader and delegates to the Grain Marketing Clinic and Tour in
      Chicago.
   f. To help defray expenses of IFYE delegates:
      $500 from Ingham County 4-H Clubs
      $500 from Macomb County 4-H Clubs
      $500 from Otsego-Montmorency County 4-H Clubs
      $500 from Tuscola County 4-H Clubs
   g. Grant of $2,000 from the Armour Pharmaceutical Company of Kankakee, Illinois, to be used
      under the direction of E. R. Miller in Animal Husbandry to study factors related to baby
      pig anemia and administration of parenteral and oral iron, and to study the absorption,
      transportation, and metabolism of iron in the pig.

9. Gift of $2,000 from the Armour Pharmaceutical Company of Kankakee, Illinois, to be used
   under the direction of E. R. Miller in Animal Husbandry to study factors related to baby
   pig anemia and administration of parenteral and oral iron, and to study the absorption,
   transportation, and metabolism of iron in the pig.

10. Grant of $14,600 from the National Institutes of Health of Bethesda, Maryland, to be used
    under the direction of C. H. Suelter in Biochemistry for research on enzyme catalysis-
    oxalacetate transacetase.

11. Grant of $1,500 from the Northern Ohio Sugar Company of Denver, Colorado, to be used under
    the direction of W. F. Megfitt in Crop Science for cooperative research on evaluation of
    the effect of weed competition and means of control.

12. Renewal of a memorandum of agreement with the Cooperative Grange League Federation Exchange,
    Inc., of Ithaca, New York, covering a grant of $2,500 to be used under the direction of
    L. D. Brown in Dairy to determine the feasibility of utilizing high levels of corn silage
    with little or no hay for lactating dairy cows when grain is fed at two levels.

13. Grant of $24,709 from the Atomic Energy Commission of Washington to be used under the direc-
    tion of R. C. Ball in Fisheries and Wildlife to continue a limnological study of a stream.

14. Grant of $11,500 from the Michigan Department of Economics Expansion to be used under the
    direction of H. A. Huber and E. A. Behr in Forest Products for development of a new
    Michigan pole industry.

15. $3,000 from the Kellogg Company of Battle Creek for research in the multi-sponsor
    research program on the control of damage in shipment project to be used under the
    direction of J. W. Goff in the School of Packaging.

16. $6,500 from the Michigan Department of Economic Expansion for a study of the potential
    demand for in-plant package manufacturing machinery, to be used under the direction of
    J. W. Goff in the School of Packaging.

17. Approval of a memorandum of agreement with the Thompson-Hayward Chemical Company of Kansas
    City, Kansas, covering a grant of $1,000 to be used under the direction of B. G. Ellis, L. S. Robertson, J. F. Davis, E. C. Doll, and
    R. L. Cook in Soil Science to determine the role of zinc in the growth of farm crops on
    Michigan soils.

18. Grant of $2,500 from the American Zinc, Lead and Smelting Company of St. Louis, Missouri, to
    be used under the direction of B. G. Ellis, E. C. Doll, and
    R. L. Cook in Soil Science to determine the role of zinc in the growth of farm crops on
    Michigan soils.

19. Grant of $3,000 from the Farmers and Manufacturers Beet Sugar Association of Saginaw to be used
    under the direction of B. G. Ellis, E. C. Doll, and
    R. L. Cook in Soil Science to conduct research in
    spring mechanization as it pertains to soil problems in sugar beet production.
Gifts and Grants, continued

24. Grants as follows to be used under the direction of James Hliblock in Music to help defray expenses of the Tri-State Orchestral Composers Symposium being held on the campus from April 20-22:

- $150 from the Ohio Federation of Music Clubs of Athens, Ohio
- $150 from the Indiana Federation of Music Clubs of Indianapolis, Indiana
- $150 from the Michigan Federation of Music Clubs of Birmingham
- $500 from ASCAP of New York City
- $500 from Broadcast Music, Inc. of New York City

25. Grants as follows to be used under the direction of H. O. Barbour in Hotel, Restaurant, and Institutional Management:

a. $4,000 from the Kellogg Sales Company of Battle Creek to cover expenses of the Epicurean Seminar. If there is a balance, it is to be deposited to the B. R. Proulx Library Fund.

b. Up to $1,000 from the Club Managers Association of America of Washington, D.C., to compile a complete set of job descriptions for city and country clubs.

26. Grant of $64,120 from the Michigan Department of Economic Expansion of Lansing to be used under the direction of John Hazzard in Marketing and Transportation for a trade development policy for Michigan.

27. Grant of $11,500 from the Inter-American Schools Service of the American Council on Education of Washington to be used under the direction of C. J. Patterson in Education for consulting services to the Association of American Schools and Republic of Mexico.

28. Grants as follows to be used under the direction of Thomas Danbury in the Communications Research Center:

a. $250 from the University of Illinois Cooperative Extension Service of Urbana to support a study evaluating attitudes toward the Illinois Cooperative Extension Service.

b. $350 from Lindsay-Schaub Newspapers of Decatur, Illinois, for the tabulation and reports for Inland Community Attitude Survey for the Decatur Herald and Review.

c. $350 from Lindsay-Schaub Newspapers for the analysis of research data.

29. Grant of $300 from the Highland Park Public Schools of Highland Park, Michigan, to be used under the direction of John Suehr in Administration and Higher Education for a School survey.

30. Renewal of a memorandum of agreement with The Upjohn Company of Kalamazoo covering a grant of $6,910 to be used under the direction of D. K. Anderson in Engineering Research to study solute dispersion in chromatographic columns having as its ultimate objective the development of a reliable scale-up procedure for liquid-solid columns.

31. Grant of $61,800 from the National Science Foundation of Washington to be used under the direction of Shosei Serata in Engineering Research to formulate the principles of stress fields existing in underground formations, and to develop theories for determining the actual stress field in situ by investigating the triaxial properties of rocks in underground formations.

32. Grant of $500 from General Motors Corporation of Flint to be used under the direction of C. R. St. Clair, Jr., in Mechanical Engineering to further the research activity of a graduate student.

33. Grant of $7,590 from the National Institutes of Health to be used under the direction of Dorothy Arata in Foods and Nutrition for research on the biochemical effects of a threonine imbalance.

34. Grant of $24,042 from the Agricultural Research Service of the United States Department of Agriculture of Washington to be used under the direction of Olaf Michelsen in Foods and Nutrition for a metabolic study to determine the nutritional value of wheat protein in wheat flour products for adult man.

35. Grant of $10,120 from the Michigan Department of Economic Expansion of Lansing to be used under the direction of Barnett Rosenberg in Biophysics for a new color sensing device.

36. Grant of $900 from the Michigan Bean Shippers Association of Saginaw to be used under the direction of A. L. Anderson in Botany and Plant Pathology to support a portion of the salary of a technician in the disease control program on navy beans.

37. Grants as follows to be used under the direction of D. J. deGeeuw in Botany and Plant Pathology:

a. $300 from E. I. duPont deNemours, Inc., of Wilmington, Delaware, for a graduate research assistant to study techniques of disease control in seeds.

b. To aid in support of a graduate research assistantship in seed treatment and soil treatment fungicides:
   1) $100 from Diamond Alkali Company of Cleveland, Ohio
   2) $200 from Hooker Chemical Corporation of Niagara Falls, New York
   3) $250 from Naugatuck Chemical of Naugatuck, Connecticut
NEW BUSINESS, continued

Gifts and Grants, continued

38. Grant of $8,000 from the National Institutes of Health to be used under the direction of C. J. Pollard in Botany and Plant Pathology to study the development of Chloroplasts.

39. Grant of $680 from the Tennessee Corporation of College Park, Georgia, to be used under the direction of H. S. Potter in Botany and Plant Pathology for field trials on tomato, potato, cucurbits, celery, onion, carrot, and squash, for control of foliar and other disease problems, by use of new chemical compounds.

40. Grant of $2,400 from Chemagro of Kansas City, Missouri, to be used under the direction of G. E. Guyer and Roger Hoopingarner in Entomology to evaluate environmental factors affecting mosquito control.

41. Grant of $1,500 from the Stauffer Chemical Company of Mountain View, California, to be used under the direction of Angus Bowitt and G. E. Guyer in Entomology for soil maggot and rootworm studies and the evaluation of various insecticides for use in fruit insect control.

42. Grants as follows to be used under the direction of Angus Bowitt in Entomology:
   a. $3,500 from the American Oil Company of Chicago to evaluate various insecticides on fruits.
   b. $1,500 from the Shell Oil Company of Chicago to test two oils as dormant spray oils in the control of mites and scale on apple trees.
   c. $2,300 from The Upjohn Company of Kalamazoo to evaluate Banol.
   d. $5,000 from Whirlpool Corporation of St. Joseph for research on the effect of environmental conditions on the life cycle of insects.

43. Grant of $940.67 from the Dow Chemical Company of Midland to be used under the direction of W. J. Hinze in Geology to investigate the applicability of the gravity method to the mapping of bedrock valleys in the Midland area.

44. Grant of $21,895 from the National Science Foundation to be used under the direction of M. M. Miller in Geology for the Summer Institute of Glaciological Sciences, Juneau Icefield, Alaska.

45. Grant of $9,779 from the National Science Foundation to be used in Mathematics for the senior foreign scientist fellowship.

46. Grant of $15,500 and a grant of $5,225 from the National Science Foundation, Michigan Academy of Science, Arts, and Letters of Washington to be used under the direction of T. Wayne Taylor in the Science and Mathematics Teaching Center to improve science and mathematics education in Michigan.

47. Grants as follows to be used under the direction of Dean W. W. Armistead in Veterinary Medicine:
   a. $35 from Mrs. Helen R. Sholl for an award for an outstanding clinical pathology student in memory of Dr. L. S. Sholl
   b. $28.25 from the Michigan Veterinary Medical Association of Grand Rapids to purchase books for the Veterinary Library in memory of Doctors Lanfesty and Stroup.
   c. $1,500 from The Quaker Oats Company of Chicago to underwrite the cost of the Honors Convocation Banquet for the College of Veterinary Medicine.

48. Grant of $2,340 from Eli Lilly and Company of Indianapolis, Indiana, to be used under the direction of D. T. Clark in Microbiology and Public Health to study cellular immunity in chickens in response to Eimeria tenella infections.

49. Grant of $5,000 from The Upjohn Company of Kalamazoo to be used under the direction of R. F. Langham in Pathology to promote the training of capable young veterinarians in the specialty of veterinary pathology.

50. Grants as follows to the MSU Development Fund to be transferred to Surgery and Medicine and used to purchase special research equipment for the Small Animal Clinic under the direction of Dr. R. G. Schirmer:
   a. $100 from Mrs. Lorna Belle Pierce of Detroit
   b. $100 from Wyandotte Chemicals Corporation of Wyandotte

51. Grant of $192,000 from the National Aeronautics and Space Administration of Washington to be used under the direction of M. E. Muelder in the School for Advanced Graduate Studies to support the training of 10 predoctoral graduate students in space-related sciences and technology during a 3-year period beginning September 1, 1964.

52. Grant of $68,852 from the National Science Foundation of Washington to be used under the direction of M. E. Muelder in the School of Advanced Graduate Studies to support 14 graduate traineeships in Engineering: 2 in Agricultural Engineering, 4 in Civil Engineering, 3 in Electrical Engineering, 2 in Mechanical Engineering, and 3 in a field of engineering to be determined by the University.

53. Grant of $115 from the United Church Women of Greater Lansing to be used under the direction of Homer Higbee in International Programs to provide emergency aid to foreign students.
Gifts and Grants, continued

54. Grants as follows to be used under the direction of A. L. Hunter in Continuing Education:
   a. For the High School Engineering Institute:
      1) $600 from The Detroit Edison Company of Detroit
      2) $250 from The Bendix Corporation of Detroit
   b. $800 from The Farm Foundation of Chicago for the Town and Country Church Leadership School
   c. $50 from the United Church Women of Flint for the Adventure in World Understanding Program

55. Grant of 6 shares of Potomac Electric Power Company common stock valued at $120 from Richard D. Hodgkins of Keene, New Hampshire. The proceeds of the stock sale are to be credited to the MSU Development Fund as Mr. Hodgkins gift to the Class of 1914 project for 1964.

56. Gift of $203,730.90 from alumni and friends during 1963 to the MSU Development Fund. Besides this amount, the Board has previously accepted $7,255.22 making the total for the year $277,976.12. The gift of $203,730.90 is to be deposited in the following account of the Fund:

   Account 31-1175, MSU Development Fund (unrestricted)        $188,361.98
   Account 31-3410, MSU Associates                                3,496.00
   Account 31-1190, MSU Development Fund (restricted)            11,872.92

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

Alterations and Improvements

1. The following alterations and improvements have been approved since the last meeting of the Trustees and charged to the accounts indicated:

   From Alterations and Improvements Account 11-5173
   a. Install electronic filter in Agriculture Hall to improve ventilation and to eliminate difficulty with fly ash from power plant in photographic laboratory $1,500
   b. Install full-length shade screens for new rooms on the south side, second floor of the Horticulture Building 489
   c. Construct glass doors with locks for the book shelf area to house reference books for Journalism Department in Journalism Building 300
   d. Install signal system in Student Services Building for use of Counseling Center 220
   e. Alterations to Room 117, Olin Memorial Health Center, to provide security for medical records in Dr. Feurig's office 200
   f. Install Venetian blinds on 5 windows in Eustace Hall for Department of Philosophy 50

   From College of Natural Science 11-3683; and Botany and Plant Pathology Experiment Station 71-2574
   a. Recap with concrete the floor of Room 102 of University Herbarium Building, refinish hall and repair stair treads:
      from 11-3683 $550
      from 71-2574 300
      Total 850

2. Additional payments to salaried employees since the Trustees' meeting in March as per list on file.

Oakland Univ. OAKLAND UNIVERSITY

Resignations Resignations and Terminations

1. Herman W. Lewis, Associate Professor of Biology, April 30, 1964 to accept a position with the National Science Foundation.

2. Nat Simons, Jr. Assistant Professor of Economics, August 14, 1964. He is not being recommended for reappointment.

3. James L. Cooper, Instructor in History, August 14, 1964 to accept a position at DePauw University.

4. Theodore L. Becker, Assistant Professor of Political Science, August 14, 1964 to accept a position at the University of Hawaii.

5. Norman Roseman, Assistant Professor of Teacher Education, August 14, 1964. He is not being reappointed.

Leaves Leaves—Other

1. Robert I. Paiko, Instructor in Music, without pay from September 1, 1964 to August 31, 1965 to study for the doctorate at Columbia.
OAKLAND UNIVERSITY, continued

Appointments

1. Don Robert Lodice, Assistant Professor of Modern Foreign Languages, at a salary of $9000 per year on a 10-month basis effective August 15, 1964.

Miscellaneous

1. Reinstatement on the payroll of William Schwab, Associate Professor of English, effective April 1, 1964. Dr. Schwab has been on leave without pay since September 1, 1963.

2. Approval of Summer School payroll in the total amount of $70,572 for regular staff members for the 1964 summer session.

Gifts and Grants

1. Grants for scholarship purposes, as follows:
   a. $483 from America’s Junior Miss Scholarship Foundation, Inc., of Mobile, Alabama, for account 32-3359.
   b. $300 from the Consumer Power Company of Pontiac for account 32-3227 for a freshman scholarship.
   c. For scholarship account 32-3226:
      1) $111 from the Community National Bank Advisory Committee of Bloomfield Hills
      2) $50 from Mr. and Mrs. W. P. Burke of Rochester
      3) $5 from Mrs. Robert DeRuntz
      4) $25 from Stephen Miklos of Romeo

2. Grants as follows to be used under the direction of Chancellor Varner for the 1964 Meadow Brook Music Festival:
   a. $2,500 from Consumers Power Company of Pontiac
   b. $500 from the First Federal Savings & Loan Association of Oakland of Pontiac
   c. $5,000 from the United Auto Workers of Detroit
   d. $2,500 from The Wayne Oakland Bank of Royal Oak

On motion by Mr. Nisbet, seconded by Mr. Stevens, it was voted to approve all Oakland University items.

The Board adjourned at 12:05 p.m. with the understanding that it would convene for a work session at dinner at the Kellogg Biological Station at Gull Lake at 6 p.m., Wednesday, May 20. The work session will begin on the evening of May 20, extend all day on May 21. The Board of Trustees' May meeting will convene at 10 a.m. on May 22 at Gull Lake.