

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

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

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

Absent: Mr. Harlan; Dr. Bartlett

Investment
items.

1. Scudder, Stevens and Clark and Mr. Cress recommend the following investment items:

Consolidated Investment Fund

<u>Amount</u>	<u>Security</u>		<u>Approx. Price</u>	<u>Principal</u>	<u>Income</u>	<u>Yield</u>
Recommend selling:						
118 shs.	Columbia Broadcasting System (of 618)	\$1.40	76	\$ 8,968	\$ 165	1.8%

Pension & Retirement Fund

Recommend selling:						
653 shs.	Columbia Broadcasting System (of 2,653)	1.40	76	49,628	914	1.8%
Recommend purchasing:						
\$65,000	Household Finance Debentures When issued, Estimated $4\frac{1}{2}+$	1991	100	65,000	2,250	4.5+%
or						
\$65,000	General Motors Acceptance Corp. When issued, estimated $4\frac{1}{2}+$	1985	100	65,000	2,925	4.5+%
or						
\$65,000	U. S. Treasury 4s-8/15/73 (holding \$250,000)		99	64,350	2,600	4.1%

Fred T. Russ Fund

Recommend selling:						
56 shs	Columbia Broadcasting System (of 206)	\$1.50	76	4,256	78	1.8%
Recommend purchasing:						
\$5,000	Household Finance Debentures When issued, estimated $4\frac{1}{2}+$	1991	100	5,000	225	4.5+%
or						
\$5,000	General Motors Acceptance Corp. When Issued, Estimated $4\frac{1}{2}+$	1985	100	5,000	225	4.5+%
or						
\$5,000	U. S. Treasury 4s-8/15/73		99	4,950	200	4.1%

Skinner Fund

Recommend selling:						
65 shs	Columbia Broadcasting System (of 165)	1.40	76	4,940	91	1.8%
Recommend purchasing:						
\$5,000	Household Finance Debentures When issued, estimated $4\frac{1}{2}+$	1991	100	5,000	225	4.5+%
or						
\$5,000	General Motors Acceptance Corp. When issued, estimated $4\frac{1}{2}+$	1985	100	5,000	225	4.5+%
or						
\$5,000	U. S. Treasury 4s-8/15/73		99	4,950	200	4.1%

Spartan Fund

Recommend selling:						
47 shs	Columbia Broadcasting System (of 107)	1.40	76	3,572	66	1.8%
Recommend purchasing:						
50 shs	Standard Oil (New Jersey)	2.60	70	3,500	130	3.7%

Jenison Fund

Recommend purchasing:						
\$5,000	Household Finance Debentures When issued, estimated $4\frac{1}{2}+$	1991	100	5,000	225	4.5+%
or						
\$5,000	General Motors Acceptance Corp. When issued, estimated $4\frac{1}{2}+$	1985	100	5,000	225	4.5%

Finance Committee Items, continued

1. Recommendations of Scudder, Stevens and Clark continued:

Jenison Fund, continued

\$5,000	or	U. S. Treasury 4s-8/15/73	99	4,950	200	4.1%
---------	----	---------------------------	----	-------	-----	------

On motion by Mr. Merriman, seconded by Dr. Smith, it was voted to approve the recommendations in Item 1 with a purchase preference of the General Motors Acceptance Corporation issues.

2. Communication from Mr. May:

I have received a recommendation from the Assistant Provost and Vice President Muelder that the Board authorize the 1962-63 institutional grant from the National Science Foundation as follows:

1) College of Natural Science -- \$12,000

This is to be used toward the purchase of the Nuclear Data Model ND 150 FM (300, 405) transistorized multidimensional, multichannel pulse height Analyzer and associated equipment. The total price of this analyzer and associated equipment is approximately \$25,000. At the present time the Department of Physics is renting this equipment and has paid several thousand dollars in rent which can be applied toward the purchase price. The Physics Department can supply some additional funds to be applied toward the purchase price. Dean Byerrum has indicated that if we can supply \$12,000 from the NSF funds, the Dean's Office and the Physics Department can cover the balance of the purchase price.

2) College of Engineering -- \$11,800

This money is to be used for the purchase of a Nuclear Data 130A-512 Channel Analyzer. The purchase price of this item is approximately \$12,200, and Dean Ryder has indicated that he will supply the remainder from his Contingency fund.

3) College of Veterinary Medicine -- \$8,518

This is to be used toward the purchase of a research model Coulter Counter and a Servall type refrigerated Centrifuge. The purchase price of these two items is approximately \$8,850. Dean Armistead has indicated that the College of Veterinary Medicine will supply the necessary funds to complete the purchase.

I would recommend Board approval of these allocations.

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

3. Communication from Mr. May:

You will recall the serious situation that faced our Radio and Television Department with the discontinuance of the manufacture of tubes for our AM and FM transmitters. I have received a letter from Mr. Hunter advising that they have received the following bids for a 20 KW FM transmitter and a 5KW AM transmitter:

RCA	\$61,431
ITA	66,447

The RCA bid includes a new FM antenna and the cost of dismantling the old equipment and installing the new.

I would like to suggest that this item be placed on the Finance Committee agenda and that we recommend to the Board an appropriation of \$61,450 and an awarding of the contract to the low bidder.

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

4. Communication from Mr. May:

On October 4, I met with the Executive Committee of the Packaging Foundation in Atlantic City.

As you know, the Packaging Foundation has found the job of raising funds for packaging facilities much more difficult than it anticipated. At the present time cash and pledges amount to approximately \$300,000. The group expects to continue its solicitation of companies and feels that if the building could be started and more research undertaken, the fund raising would be more easily accomplished.

The committee is agreed that if it is at all possible, Michigan State University should undertake the first wing of the proposed building, containing approximately 17,000 square feet, at a cost of about \$400,000.

It is my judgment that the Foundation will be successful in raising the necessary funds, and I would like to suggest that the Board authorize completion of the plans by Mr. Calder and the taking of bids as soon as possible.

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

Investment items

Allocation of institutional grant from National Science Found.

Approval awarding contract to low bidder for 20 KW FM transmitter and 5 KW AM transmitter

Recommendation re: Packaging Foundation facilities

Finance Committee Items, continued:

\$8,100 approp
for 100 bicycle
racks

5. It is recommended that the Board authorize the appropriation of \$8,100 to permit the purchase of 100 additional bicycle racks for installation on the campus.

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

\$1,100 approp
for lighted
sign at Trow-
bridge and
Harrison Rds

6. It is recommended that the Board authorize an appropriation of \$1,100 for the purchase and installation of a lighted sign like those on Michigan and Grand River Avenues at the north-east corner of the intersection at T rowbridge and Harrison Roads where I-496 will intersect with University property.

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

Appropriation
\$10,000 for
Mich. Higher
Educ Assis.
i Authority

7. The Michigan Higher Education Assistance Authority advises that we have again reached the maximum amount which can be guaranteed to students attending Michigan State University. It is recommended that the Board authorize an additional deposit of \$10,000 with the Michigan Higher Education Assistance Authority.

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

Approval of
participation
in consortium

8. Discussion of Ford Foundation possible grant for consortium of four universities for involvement in international programs to include the University of Illinois, University of Wisconsin, Indiana University, and Michigan State University. The President described in detail the proposed Midwest Universities Consortium for International Activities, Inc.

On motion by Mr. Vanderploeg, seconded by Mr. Stevens, it was voted to authorize participation in the consortium with this Board of Trustees as one of the incorporating bodies. This action carries with it the authorization for an appropriation of \$20,000 required of the four universities. The Board authorized an invitation to the consortium to make its headquarters on the M.S.U. campus -- possibl with offices made available in the new International Center.

Approval of
honorary
degrees for
five persons

9. The President reported that the Alumni Advisory Council had voted to confer honorary alumni awards on the following:

L. A. Davidson, Contractor, Lansing
Arnell Engstrom, House of Representatives, Traverse City
Frank J. Manley, Mott Foundation, Flint
Stephen S. Nisbet, Trustee=elect, Fremont
Louis A. Weil, Editor and Publisher, The State Journal, Lansing

The Board of Trustees indicated their unanimous approval.

Add. appropri-
ation of
\$500,000 app.
for Vet Clinic
Building.

10. Discussion of a new budget for the Veterinary Clinic Building which will require an additional appropriation of \$500,000. This will mean that we are now committed well into the 1965-66 fiscal year on overhead income from research contracts.

On motion by Mr. Merriman, seconded by Dr. Smith, it was unanimously voted to authorize an increase in the budget for this structure in the amount of \$500,000 to be charged to Research Overhead Funds--it being understood that this is a pledge of such income for the 1965-66 fiscal year .

Approp. app.
to employ
outside assis.
to develop
plans for lib.
system

11. The President discussed the urgency for immediate concentration on the development of plans for an adequate library system to serve this University in the years immediately ahead and proposed an appropriation of \$25,000 to make it possible to hire outside assistance if necessary.

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

E. Campus
dorms #2 and 3
named for
Akers & Fee

12. It is recommended that the Trustees authorize the naming of East Campus Dormitory #2 now under construction as the Forest H. and Alice Akers Halls, and that East Campus Dormitory #3 now under construction be designated as the Harry A. and Jessie T. Fee Halls.

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

President to
make a trip to
Nigeria

13. It is proposed that the President be authorized to make a trip in connection with the University of Nigeria Project, and on the same trip to visit the projects in Pakistan, India, Taiwan, and Okinawa between the dates of November 24 and December 25. It was decided to schedule the November meeting for Friday, November 22 with the combined December and January meeting scheduled for Friday, January 10.

Adjourned.

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

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

Mr. Stephen S. Nisbet, Trustee elect, was also in attendance

Absent: Mr. Harlan; Dr. Bartlett

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

The minutes of the September meeting were approved..

SPECIAL MISCELLANEOUS

1. Approval of the Finance Committee Items.

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

2. The President read the following statement:

Over a period of several years, there have been recurring reports in the newspapers that other universities were "sounding out" our head football coach, Duffy Daugherty, as to his interest in leaving Michigan State University and continuing his career elsewhere. We are currently experiencing another outbreak of such reports. Such rumors do not serve the best interests of the University. They are unsettling to the coaching staff, to the members of the football squad, and to students.

Statement
regarding
tenure of
H. D.
Daugherty

Other universities have similar problems growing out of an inherent difficulty of establishing a firm understanding between institutions and coaches as to tenure of employment. Some universities use the device of entering into written contracts for specified periods of years with their coaches. This system has the weakness of being legally binding on the institution, but not on the coach if he chooses to go elsewhere.

Here at Michigan State, we have followed what seems to be the more rational practice of placing head coaches and their principal assistants under our academic tenure system, making them regular members of the faculty, which effectively guarantees their continuing with the University indefinitely, just as it guarantees the tenure of all others enjoying the protection of the tenure system. This does not guarantee a coach that he will have a specified coaching assignment until he retires, but it does guarantee him that he has a job with the University as long as he complies with the conditions of the tenure system. In our view it is superior to the contract system.

Mr. Daugherty has been with Michigan State University since January 1, 1947, when he came here as an assistant professor and assistant coach. He was promoted to associate professor--which conferred permanent tenure on him--on July 1, 1953, and to full professor when he was appointed head football coach on July 1, 1954, when Mr. Munn was promoted to the position of athletic director.

Mr. Daugherty has represented the University well, has been a good teacher, and is now in his tenth season as head football coach. While as a coach he has had his disappointments, he also has been more than moderately successful. Through his first nine years, his teams have won 53 games, lost 27, and tied two for an excellent percentage of .659. One of his teams represented the Big Ten successfully in the Rose Bowl game in 1956, and he was named Coach of the Year.

He has had many offers to coach elsewhere, but his strong loyalty to Michigan State has induced him to reject all of them. He assures me that he has no interest in going elsewhere as long as his services are acceptable at Michigan State University.

Director Munn and Dean Fuzak, Chairman of our Athletic Council, join me in making the following recommendation:

As a means of quieting current rumors, and of demonstrating confidence in the football coaching staff, it is recommended that an innovation in our arrangements with the head football coaches be introduced. A few years ago, the University adopted the policy of appointing chairmen of academic departments for five-year periods, their appointments as such being subject to review at the end of each five-year period. As the Trustees know, this policy impairs in no way the tenure system; we have had instances of department chairmen and even academic deans choosing to give up administrative work to return to full-time teaching and research. This has been accomplished easily, because an individual holds tenure according to his rank, not according to his particular assignment.

The recommendation to the Trustees in the case of Mr. Daugherty is that the policy in the academic departments be extended to athletics, and that he be appointed

SPECIAL MISCELLANEOUS, continued

2. Statement of President relative to Coach H. D. Daugherty, continued:

head football coach for a five-year period, effective at the end of the current season, the appointment to be reviewed at the end of the 1968 football season. This would put him on the same basis as chairmen of the academic departments; he will continue as a full professor, and retain tenure protection as such. Football will continue to be an integral part of the Department of Athletics, responsible to the Director of Athletics as heretofore.

It is hoped that this appointment will serve to demonstrate publicly the appreciation of the Trustees and the University for Mr. Daugherty's more than 16 years of service to Michigan State, including more than nine years as head coach, and their confidence in his professional ability. Beyond that, it should serve notice on all concerned that for the next five years at least, Duffy Daugherty will be head football coach at Michigan State University.

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

3. After a discussion of the permanence of the ear-marking of out-of-state fee collections for building purposes,

It was moved by Mr. Huff, seconded by Mr. Merriman and unanimously voted to authorize a continuing allocation of \$1,000,000 per year from out-of-state fee collections to be set aside for building programs.

PRESIDENT'S REPORTResignations and Terminations

1. Donald J. Gemmel, Educational Exchange Coordinator, International Programs September 30, 1963 to accept a position at Illinois Institute of Technology.

Appointments

1. David F. Routon, Instructor in Art, at a salary of \$5800 per year on a 10-month basis effective September 1, 1963 to August 31, 1964.
2. Karl H. Wolter, Instructor in Art at a salary of \$5800 per year on a 10-month basis effective September 1, 1963 to August 31, 1964.
3. Norman W. Johnson, Instructor in Mathematics at a salary of \$7200 per year on a 10-month basis effective 9-1-63 to 8-31-64. This may be changed to a regular appointment subject to tenure when Mr. Johnson passes a satisfactory health examination.
4. Sophia Blaydes, Instructor in American Thought and Language at a salary of \$6000 per year on a 10-month basis effective September 1, 1963.

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

NEW BUSINESSResignations and Terminations

1. C. Dean Allen, Assistant Professor (Ext.) 4-H Clubs, October 31, 1963 to accept a position as State 4-H Club Leader at Washington State University.
2. Lois M. Erdman, 4-H Agent, Kent County, November 20, 1963 to accept a position with the University of Virginia.
3. Mildred M. Omlor, Home Economics Agent, Newaygo County, October 30, 1963 to accept a position as Instructor in Food Service Supervision at Ferris State College.
4. V. Marjorie Cleland, Home Economics Agent, St. Joseph County, September 30, 1963 to become a full-time homemaker.
5. Cancellation of the appointment of John Centra, Instructor in Education and Continuing Education September 16, 1963.
6. Roy E. Hollady, Assistant Professor of Police Administration and Public Safety, October 31, 1963 to accept a position as Chief of Police, Fort Collins, Colorado.
7. Mary Karl, Librarian, Library, September 30, 1963 for personal reasons.

Leaves--Sabbatical

1. Olive K. Sain, Home Economics Agent, Marquette County, with full pay from March 30, 1964 to September 4, 1964 to study at M.S.U.

\$1,000,000
per year
ear-marked
for building
purposes from
out-of-state
fee collec-
tions

Resignations

Appointments

Resignations

Leaves

NEW BUSINESS, continuedLeaves--Sabbatical, continued

2. Bernetta Kahabka, Associate Professor (Ext.) of Textiles, Clothing and Related Arts with full pay from February 1, 1964 to July 31, 1964 to study at New York University.
3. William H. Pipes, Associate Professor of American Thought and Language with full pay from April 1, 1964 to June 30, 1964 to write a book.

Leaves

Leaves--Health

1. Herbert Josepshs, Assistant Professor of Foreign Languages, with full pay from September 1, 1963 to December 31, 1963.

Leaves--Other

1. Orville F. Walker, District Marketing Agent, Gaylord County, with full pay from January 1, 1964 to March 31, 1964 for travel and rest.
2. Barbara Deskins, Instructor in Foods and Nutrition without pay from September 1, 1964 to August 31, 1966 to study for her Ph.D. at M.S.U.

Appointments

Appointments

1. Elizabeth N. McPherson, 4-H Agent, Lenawee County at a salary of \$5700 per year on a 12-month basis effective October 21, 1963.
2. Keith R. Miller, 4-H Agent, Calhoun County at a salary of \$8500 per year on a 12-month basis effective October 21, 1963.
3. Robert E. Poppy, 4-H Agent, Presque Isle County, at a salary of \$7000 per year on a 12-month basis effective October 21, 1963.
4. Robert D. Fox, Instructor (Ext.) in Agricultural Engineering at a salary of \$7500 per year on a 12-month basis effective November 1, 1963 to October 31, 1964.
5. George F. Hogoboam, Assistant Professor of Crop Science without pay from October 1, 1963 to September 30, 1964.
6. Charles R. Olien, Assistant Professor of Crop Science without pay from October 1, 1963 to September 30, 1964.
7. Freeman W. Snyder, Assistant Professor of Crop Science without pay from October 1, 1963 to September 30, 1964.
8. Maurice F. Seay, Professor and Chairman of Administration and Higher Education, at a salary of \$20,000 per year on a 12-month basis effective January 1, 1964.
9. Lyle C. Wilcox, Assistant Professor of Electrical Engineering at a salary of \$2875 from October 1, 1963 to December 31, 1963.
10. Eloise Kuntz, Research Associate of Biophysics at a salary of \$11,000 per year on a 12-month basis effective October 1, 1963 to September 30, 1964.
11. A. Brian Robins, Assistant Professor (Res.) of Biophysics at a salary of \$10,000 per year on a 12-month basis effective November 1, 1963 to November 26, 1963.
12. Lloyd G. Wilson, Assistant Professor (Res.) of Botany and Plant Pathology at a salary of \$7300 per year on a 12-month basis effective September 1, 1963 to August 31, 1964.
13. Frederick H. Horne, Assistant Professor of Chemistry at a salary of \$7900 per year on a 10-month basis effective September 1, 1964.
14. Jayaram Sethuraman, Research Associate of Statistics at a salary of \$700 per month from September 1, 1963 to December 31, 1963.
15. Russell Allen, Associate Professor of Labor and Industrial Relations at a salary of \$14,000 per year on a 12-month basis effective January 1, 1964.
16. James L. LeGrande, Instructor in Police Administration and Public Safety at a salary of \$8500 per year on a 10-month basis effective November 1, 1963.
17. Herbert Finer, Professor of Political Science at a salary of \$6000 for the period March 1, 1964 to June 15, 1964.
18. Robert N. Young, Associate Professor of Urban Planning and Landscape Architecture at a salary of \$2200 for the period November 1, 1963 to June 30, 1963 on a 10-month basis.
19. John Anthony Centra, Instructor in Institutional Research at a salary of \$8000 per year on a 12-month basis effective September 23, 1963.
20. Marjorie E. Meyer, Librarian in the Library at a salary of \$3000 per year on a 12-month basis effective October 14, 1963.

NEW BUSINESS, continued

Salary Changes

Salary Changes

1. Increase in salary for Paul M. Parker, Associate Professor of Physics and Astronomy to \$11,500 per year effective October 1, 1963.
2. Increase in salary for Anthony Y. C. Koo, Professor of Economics to \$14,900 effective November 1, 1963.
3. Increase in salary for Bishop N. Pipes, Associate Professor of Humanities to \$9300 per year effective October 1, 1963.
4. Increase in salary for Robert M. Lockhart, Assistant Auditor AP-I Business Office to \$6700 per year effective October 1, 1963.

On motion by Mr. Vanderploeg, seconded by Mr. Stevens, it was voted to approve the Resignations and Terminations, Leaves, Appointments and Salary Changes.

Miscellaneous

Francis LO' Rourke con-
tinued for yr.

1. Employment of Francis L. O'Rourke, retired Assistant Professor of Horticulture, in the Horticulture Department at a salary of \$8200 per year on a 12-month basis, effective from September 1, 1963 to August 31, 1964. This defers his retirement to September 1, 1964.

Ch. salary
Robert Geist

2. Change in salary source for Robert J. Geist, Professor of English, to 35.4% from 71-2188, 32.3% from 11-3621 and 32.3% from 11-4091, effective from September 1, 1963 to June 30, 1964.

Ch. sal. srce
Herman Struck

3. Change in salary source for Herman Struck, Assistant Professor of English to \$2905 from 11-3621 and \$3635 from 11-3971, effective from September 1, 1963, to June 30, 1964. Dr. Struck is to be assigned to English and the School of Advanced Graduate Studies during this period.

Ch. status
Huling E.
Ussery

4. Change in status of Huling E. Ussery, Assistant Professor of English, from a temporary appointment to a regular appointment subject to tenure rules with a salary increase from \$7,500 per year on a 10-month basis to \$9,375 per year on a 12-month basis, effective September 1, 1963.

Employment
S.C. Lee in
Religion

5. Employment of Shao Chang Lee, Professor Emeritus of Foreign Studies, to teach in Religion at a salary of \$500 for the period from October 1 to December 31, 1963 and \$500 for the period from April 1 to June 30, 1964. This is in addition to his retirement pay.

Designation
of chairmen
for new
departments
in Education

6. Designation of the following staff members as chairmen of the newly established Departments in the College of Education, effective with the date of approval of the reorganization recommendation until August 31, 1964, or until permanent chairmen are appointed:

- a. William V. Hicks, Elementary and Special Education
- b. Wilbur B. Brookover, Foundations of Education
- c. Raymond N. Hatch, Guidance and Personnel Services
- d. Carl H. Gross, Secondary Education and Curriculum

Ch. salary
source Clyde
Campbell

7. Change in salary source for Clyde Campbell, Professor of Education, to \$7667 from 11-4361 and \$5000 from 31-1133, effective from September 1, 1963 to June 30, 1964.

Also William
Garquhar

8. Change in salary source for William W. Farquhar, Professor of Education, to 75% from 11-4361 and 25% from 71-2334, effective from October 1, 1963 to December 31, 1964.

Also Norman
Kagan

9. Change in salary source for Norman Kagan, Associate Professor of Education, as follows:

From July 1 to September 30, 1963: 90% from 11-4361 and 10% from 71-2334
From October 1, 1963 to December 31, 1964: 50% from 11-4361 and 50% from 71-2334

Also Davis
Krathwohl

10. Change in salary source for David Krathwohl, Professor of Education, to 75% from 11-4361 and 25% from 71-2334, effective from July 1, 1963, to December 31, 1964.

Also Ernest
O. Melby

11. Change in salary source for Ernest O. Melby, Distinguished Professor of Education to \$4583 from 11-4361 and \$5000 from 31-1133, effective from September 1, 1963 to June 30, 1964.

Also Elizabeth
Rusk

12. Change in salary source for Elizabeth H. Rusk, Professor of Education and English, to 66 2/3% from 71-2188, 16 2/3% from 11-4361, and 16 2/3% from 11-3621, effective from September 1, 1963 to June 30, 1964.

Ch. status
Robert B.
Engle

13. Change in status of Robert B. Engle, Instructor in Metallurgy, Mechanics, and Materials Science, from a temporary appointment to a regular appointment subject to tenure rules, effective as of September 1, 1959.

Ch. status
Bennett T.
Sandefur

14. Change in status of Bennett T. Sandefur, Professor of Geology, to Professor of Geology and Coordinator of Continuing Education for the College of Natural Science with a salary increase from \$12,300 on a 10-month basis to \$15,000 per year on a 12-month basis, effective October 1, 1963. His salary is to be paid 33 1/3% from 11-3661 and 66 2/3% from 11-5611.

Dual assign-
ment J. S.
Frame

15. Dual assignment of J. Sutherland Frame, Professor to Mathematics and Engineering Research, effective September 1, 1963, with his salary paid 50% from 11-3671, 25% from 71-1683, and 25% from 71-1737.

NEW BUSINESS, continued

Miscellaneous, continued

16. Change in the effective date of the appointment of Wolfgang Gaschutz, Professor of Mathematics from September 1, 1963 to June 30, 1964, to January 1 to July 31, 1964.
17. Change in salary source for Diran Sarafyan, Associate Professor of Mathematics and Engineering Research, to 18.3% from 11-3671, 37.3% from 11-4711, 31.7% from 21-1546 and 12.7% from 21-1545, effective from September 1, 1963 to June 30, 1964.
18. Change in status of Willard G. Warrington, Professor, from Director of Evaluation Services to Assistant Dean of University College and Director of Evaluation Services with a salary increase from \$16,500 to \$17,000 per year on a 12-month basis, effective November 1, 1963.
19. Changes as follows in status of Lawrence H. Battistini, Professor of Social Science:
 - a. Change dates of sabbatical leave with half pay to January 1 to June 30, 1964.
 - b. Transfer to Political Science from September 1 to December 31, 1963, with his salary paid 100% from Political Science 11-3891 for this period.
20. Assignment of Russell G. Mawby, Professor (Extension) and Assistant Director (4-H Club Programs), to the Nigeria Program at the same salary of \$15,200 per year, effective from October 22 to November 3, 1963, paid from 71-2024.
21. Assignment of H. John Carew, Professor and Chairman of Horticulture, to the Nigeria Program at the same salary of \$17,000 per year, effective from October 25 to November 10, 1963, paid from 71-2024.
22. Assignment of Walter F. Johnson, Professor of Education and Director of Graduate Student Affairs in Education, to the Nigeria Program at the same salary of \$16,500 per year, effective from November 18 to December 6, 1963, paid from 71-2024.
23. Assignment of Charles C. Hughes, Associate Professor of Sociology and Anthropology and the African Studies Center, to the Nigeria Program at the same salary of \$15,000 per year, effective from September 18 to October 2, 1963.
24. Assignment of Howard R. Neville, Acting Provost, to the Nigeria Program at the same salary of \$21,000 per year, effective from October 27 to November 8, 1963, paid from 71-2024.
25. Assignment of Eldon R. Nonnamaker, Associate Dean of Students and Associate Professor of Education, to the Nigeria Program at the same salary of \$12,500 per year, effective from November 18 to December 6, 1963, paid from 71-2024.

Ch date appt
W. Gaschutz

Ch salary srce
D. Sarafyan

Ch status
Willard G.
Warrington

Ch status
Lawrence
Battistini

Assignment
R.G. Mawby
to Nigeria
Program

Also H. John
Carew

Assignment
W.F. Johnson
Nigeria Prog.

Also Charles
Hughes

Also Howard
Neville

Also Eldon
Nonnamaker

On motion by Dr. Smith, seconded by Mr. Vanderploeg, it was voted to approve Miscellaneous Items 1 through 25.

26. Recommendation from the Retirement Committee for the retirement of E. Eleanor Densmore, County Extension Agent, Home Economics, Kent County at a retirement salary of \$3,000 per year, effective December 15, 1963. Miss Densmore was born on September 6, 1899, and has been employed by the University since December 15, 1935.
27. Report of the death of Leroy E. Chapman on October 8, 1963. Mr. Chapman was born on July 5, 1889, was first employed by the University on February 15, 1943, and was an Account Collector in the Business Office at the time of his retirement on December 31, 1956.
28. Report of the death of Fred Killeen on September 30, 1963. Mr. Killeen was born on September 7, 1880, was first employed by the University on April 1, 1940, and was Manager of the Music Department at the time of his retirement on July 1, 1956.
29. Report of the death of Roscoe G. Smith on September 28, 1963. Mr. Smith, was born on September 18, 1898, was first employed by the University on April 1, 1929, and was Clinton County Agricultural Agent at the time of his retirement on July 1, 1957.
30. Recommendations from the Director of Personnel, as follows:
 - a. For Agricultural Economics:
 - 1) Reclassify a Clerk I to a Clerk-Typist II position, paid from 71-6631
 - 2) Reinstate a Clerk Statistician VII position and reclassify the position to Statistician VIII, paid from 71-6700.
 - b. Establish a Senior Departmental Secretary VII position in Education
 - b. Establish a half-time Senior Foods and Nutrition Technician VIII in Foods and Nutrition, paid half from 71-6661 and half from 71-6832.
 - d. Reclassify a Senior Departmental Secretary VII to an Executive Secretary VIII position in Zoology
 - e. Establish a half-time Clerk-Typist II position in Sociology and Anthropology.
 - f. For Surgery and Medicine:
 - 1) Establish a Medical Records Specialist X position, paid from 71-2076
 - 2) Establish a Clerk-Typist II position, paid from 71-2076
 - g. Establish a Technician VIII position in Microbiology and Public Health, paid 71-2216
 - h. Reclassify a Principal Clerk to an Office Assistant VIII position for the State News, paid from 31-3716.
 - i. For the Provost's Office:
 - 1) Reclassify an Executive Secretary to an Administrative Secretary AP-I position
 - 2) Establish a Clerk-Typist II position
 - j. Establish a Television Engineer X position in Closed Circuit Television.

Retirement
Eleanor
Densmore
Dec. 15 '63

Report of
death Leroy
Chapman

Report of
death Fred
Killeen

Report of
death Roscoe
Smith

Approval
several
recommenda-
tions from
Director of
Personnel

NEW BUSINESS, continued

Miscellaneous, continued

30. Recommendations from the Director of Personnel, continued:

- k. For the Business Office:
 - 1) Reclassify a Clerk I to an Account Clerk III position
 - 2) Reclassify a Principal Clerk VI to an Office Assistant (Lecture-concert series) VIII
 - 3) Establish a Senior Clerk IV position in the Research Contract Division
- l. For Dormitories and Food Services:
 - 1) Reclassify a Manager, Union Building, AP-VIII to a Manager, Union Building, AP-IX position
 - 2) Reclassify a Manager, Book Store from an AP-IV to an AP-V position
 - 3) Reclassify an Assistant Manager, Book Store, from a X to an AP-II position.
- m. Establish a Clerk-Stenographer III position in Alumni Relations

31. The School of Police Administration and Public Safety, in conjunction with Continuing Education, requests approval by the Board of Trustees for the establishment of a \$12.50 fee to be charged for the granting of credit for a correspondence course in Police Administration. The establishment of the correspondence course will be sponsored by the International City Manager's Association, and controlled by the School of Police Administration and Public Safety, and will provide a stimulus to the professional development of law enforcement personnel.

On motion by Mr. Merriman, seconded by Mr. Stevens, it was voted to approve Miscellaneous Items 26 through 31.

32. Recommendation from Dean Ivey for the establishment of six departments in the College of Education as the final step in the reorganization of the College, effective November 1, 1963:

Department of Elementary and Special Education
 Department of Secondary Education and Curriculum
 Department of Administration and Higher Education
 Department of Guidance and Personnel Services
 Department of Foundations of Education
 Department of Health, Physical Education, and Recreation

Chairmanships for a first one-year appointment are recommended as follows:

W. V. Hicks	Department of Elementary and Special Education
C. H. Gross	Department of Secondary Education and Curriculum
Maurice F. Seay	Department of Administration and Higher Education
Raymond Hatch	Department of Guidance and Personnel Services
W. B. Brookover	Department of Foundations of Education
Clarence L. Munn	Department of Health, Physical Education, and Recreation

The functions carried on by the Bureau of Educational Research and Publications are being transferred to the School for Advanced Studies, and the post of Assistant Dean as the administrative officer of this unit is being abolished.

On motion by Dr. Smith, seconded by Mr. Vanderploeg, it was voted to approve Item 32.

33. The Educational Policies Committee, which is made up of one elected faculty member from each of the Colleges, has been working since last spring on the Educational Development Program. A draft of their recommendations was circulated to all members of the faculty and has been approved by the Academic Council. It is now submitted to the Board of Trustees for their consideration with the recommendation that it be approved in principle and that the officers of the University and the faculty be instructed to implement it as rapidly as possible and to report progress to the Trustees from time to time, not less frequently than once each six months.

On motion by Dr. Smith, seconded by Mr. Merriman, it was moved that the Board of Trustees, recognizing the many problems which are present and ones which are forthcoming in the immediate future, endorses the proposal for an Educational Development Program at Michigan State University as presented, and directs the University faculty and officers to begin implementation of the proposal as soon as possible. The Board of Trustees further directs the faculty and officers of the University to seek foundation support for the proposal in order to continue the on-going program with as little interruption as possible.

In order that the Board of Trustees may keep fully informed on the implementation of the proposal, the Board directs the officers of Michigan State University to report no less than quarterly on progress made on the overall Educational Development Program of the University.

This motion was unanimously voted and carried.

34. On October 10 the following bids were received for kitchen equipment in East Campus Dormitories #2 and #3:

Great Lakes Hotel Supply Company	\$419,430
Illinois Range Company	455,844

It is recommended that a contract be awarded to the Great Lakes Hotel Supply Company in the amount of \$419,430 for this work.

Approval
 recommenda-
 tions from
 Director of
 Personnel

Fee of \$12.50
 charged for
 corresp.
 course Police
 Adm.

Approval of
 establishment
 six depart-
 ments in
 College of
 Educ.

Education
 Policies
 Committee
 recommenda-
 tion approved

Approval
 awarding
 contract for
 kitchen equip-
 ment E. Cam-
 pus dorms
 #2 and #3

NEW BUSINESS, continuedMiscellaneous, continued

35. It is recommended that the Board of Trustees grant the request of the City of East Lansing for a sewer easement across the west end of what is now a parking lot at the corner of Harrison Road and Kalamazoo Street. This easement is required to permit extension of our main South Campus sewer interceptor in the development of the new sewage disposal plant.
36. On October 15 the following bids were received for construction of a Lumber Storage Building which will be attached to the garages located just south of the main storage building:

Approval
easement for
City of East
Lansing

General

Haussman Construction Company	\$29,636
Hanel-Vance	29,780
R. A. Britsch Construction Co.	29,889
Foster-Schermerhorn-Barnes	29,987
Siwek Construction Co.	31,400
Granger Bros.	32,200
Christman Co.	32,368
Banta-Brooks	32,860

Haussman
awarded con-
tract for
Lumber Storage
Building
and
Root Electric
for Electrical

Electrical

Root Electric	1,375
Central Electric	1,660
F. D. Hayes Electric Co.	1,674
Lansing Electric Motors	1,975
Hall Electric	2,328

It is recommended that a contract be awarded to Haussman Construction for \$29,636 and to Root Electric for \$1,375, the low bidders. Costs will be paid from the Stores Revolving Account.

37. Bids were received on October 15 for construction of a well house for Well No. 18 and the purchase of a pump:

Contracts
awarded
for construc-
tion of well
house

General

R. A. Britsch Construction Co.	2,300
B. J. Siwek Construction Co.	2,690
Hanel-Vance Construction Co.	2,758
Haussman Construction Co.	2,825

Mechanical

Layne-Northern	8,337
----------------	-------

Electrical

Barker-Fowler	1,627
Central Electric	1,790
Lansing Electric Motors	2,075
Foot Electric Co.	2,195
F. D. Hayes Electric Co.	2,213
Hall Electric Co.	2,477

It is recommended that contracts be awarded to R. A. Britsch Construction for \$2,300, to Layne-Northern for \$8,337 and to Barker-Fowler for \$1,627, the low bidders. Costs will be charged to the budget for the extension and replacement of utilities.

38. Bids were taken on the beef cattle research center authorized by the last session of the legislature on October 10, as follows:

Contracts
awarded beef
cattle res.
center

<u>Architectural</u>	<u>Base Bid</u>	<u>Alternate No. 1 (eliminate 8 pens)</u>
Reniger Construction	\$212,000	\$ 7,636
Hanel-Vance Construction	226,700	7,900
Banta-Brooks, Inc.	230,000	11,000
Foster, Schermerhorn & Barnes	235,600	5,284
Christman Construction	241,522	6,700
Clark Construction	252,593	7,800

Mechanical

Dard Corporation, Inc.	21,770	360
United Piping & Erecting	22,122	325
M. E. Cole Co.	24,340	160
Shaw Hinkler	29,240	596
Robert Carter Corporation	29,900	505
Green Plumbing & Heating Co.	37,770	200

Electrical

Quality Electric	16,399	350
Hall Electric	16,500	350
Central Electric Motors	17,430	200
Barker Fowler	18,388	419
Lansing Electric Motors	18,400	750

continued - -

NEW BUSINESS, continuedMiscellaneous, continued

38. Bids beef cattle research center, continued:

It is recommended that the Board approve the following budget:

Construction	\$250,169
Architect	11,879
Equipment	15,000
Contingency and Site	11,838
	<u>\$288,886</u>

On motion by Mr. Huff, seconded by Mr. Stevens, it was voted to approve Miscellaneous Items 34 through 38.

Gifts and
Grants

Gifts and Grants

1. Gift of a plow beam trip assembly valued at \$50 from the Oliver Corporation of Lansing to be used under the direction of Sverker Persson in Agricultural Engineering.
2. Gift of a grain drill with fertilizer attachment and grass seed attachment valued at \$600 from Allis-Chalmers of Lansing to be used under the direction of H. F. McColly in Agricultural Engineering.
3. Gift of part of the cost of 4340 DeKalb 131 started pullets valued at \$824.60 from the Klager Hatchery of Bridgewater to be used in Poultry Science.
4. Gift of part of the cost of 4340 DeKalb 131 Started pullets valued at \$477.40 from the DeKalb Agricultural Association, Inc., of DeKalb, Illinois, to be used in Poultry Science.
5. Gift of an office water cooler valued at \$150 from the Westinghouse Company of Chicago for use under the direction of H. G. Blosser in Physics and Astronomy.
6. Grant of \$200 from Mrs. Harold W. Lautner of East Lansing to be added to the Mary Pullar Student Loan Fund for a student from Canada.
7. Grants for scholarship purposes, as follows:
 - a. \$4,000 from General Foods Fund, Inc., of New York City to provide ten \$400 agricultural scholarships for the 1963-64 academic year.
 - b. \$325 from La Societe Des 40 Hommes Et 8 Chevaux of Lansing for a Nursing Scholarship, preferably for a senior.
 - c. \$1,500 from the MSU Alumni Club of Oakland County to provide 5 \$300 scholarships.
 - d. \$300 from the MSU Alumni Club of Bay County to provide three \$100 freshman scholarships.
 - e. \$30,575 from the National Merit Scholarship Corporation of Evanston, Illinois, for Scholars and Merit Scholars for the first half of the 1963-64 academic year.
 - f. \$200 from the National Plant Food Institute of Washington, D.C., to provide a scholarship for the 1963-64 academic year for a student in Crop Science.
 - g. \$1,400 from the Whirlpool Foundation of Benton Harbor to provide four scholarships in Engineering for the 1963-64 academic year.
 - h. For previously established scholarships:
 - 1) \$190 from Weaver and Lingg of Sturgis for the Farm Equipment Scholarship Fund, 31-3336
 - 2) For the Michigan Bankers' Scholarship, 31-3347:
 - \$100 from The American National Bank & Trust Company of Kalamazoo
 - 3) \$200 from the Michigan Feed and Grain Dealers Association of East Lansing for the Elevator and Farm Supply General Account, 31-3314.
 - \$900 from Gratiot County Bankers Association of St. Louis
 - 4) For the Elevator and Farm Supply Cooperative Scholarship Fund, 31-3315:
 - \$100 from the Caledonia Farmers Elevator Company
 - \$100 from the Hamilton Farm Bureau Coop, Inc.
 - \$100 from the Marlette Farmers Coop Elevator
 - \$1,050 from Farm Bureau Services, Inc.
 - 5) \$75 from Gordon A. Sabine for the MSU Faculty Scholarship Fund
 - 6) \$85 from Stanley Idzerda for the Honors College Scholarship Fund
 - 7) \$250 from the Keeshin Transport System, Inc., of Toledo, Ohio, for a student in Marketing and Transportation
 - 8) \$1,100 from Paramount Coffee Company of Lansing for three scholarships in Hotel, Restaurant, and Institutional Management
 - 9) \$1,000 from the Harrison Jules, Louis Frank, and Leon Harrison Frank Memorial Corporation of Detroit for two scholarships.
 - 10) \$75 from C. C. Hurd of Palo Alto, California, to be added to the Professor Lewis Richards Music Scholarship Fund
 - 11) \$25 from Kathleen C. Meech for the J. Harold Meech Memorial Scholarship Fund
 - 12) \$500 from Triple M. Packing Corporation of Philadelphia for the Milton Feldbaum Memorial Scholarship for a student in Packaging.
 - 13) \$475 from the Western Electric Company of Chicago for a student in Engineering
 - i. For specified students:
 - \$350 from the American Baptist Student Aid Fund of Valley Forge, Pennsylvania
 - \$600 from the American Electric Power Service Corporation of New York City
 - \$50 from the Asher Student Foundation of Detroit
 - \$100 from the Francis V. Baad Scholarship fund of Oak Park
 - \$1,000 from Baseball--Office of the Commissioner of New York City
 - \$500 from Battenfeld Foundation of La Jolla, California
 - \$100 from Beverly Hills University Club of Chicago
 - \$500 from the Boys' Committee of Detroit

Gifts and Grants, continuedGifts and
Grants

7. Grants for scholarship purposes, continued:

i. For specified students, continued:

\$250 from Brookline High School of Brookline, Massachusetts
 \$50 from the Buffalo Foundation of Buffalo, New York
 \$500 from the Building Service Employees International Union of Washington, D.C.
 \$150 from Butler High School of Butler, New Jersey
 \$37.50 from the Caseville Library Club of Pigeon
 \$100 from Chi Omega, Chicago and North Shore Alumnae Association of Lake Forest, Ill.
 \$100 from Lynn H. Clark of Rockford
 \$1,000 from the Copper Range Company of New York City
 \$200 from Davison Jaycees of Davison
 \$200 from the Degree of Honor Protective Association of St. Paul, Minnesota
 \$200 from Delta Sigma Theta Sorority, Inc., of Washington, D.C.
 \$500 from Delta Sigma Theta Sorority, of Evanston, Illinois
 \$1,078.25 from the Detroit Edison Company of Detroit
 \$500 from the Detroit Hoo Hoo Club of Mount Clemens
 \$250 from the East Rochester Rotary Club of East Rochester, New York
 \$200 from Eastridge High School of Rochester, New York
 \$300 from the Educational Foundation for Jewish Girls of New York City
 \$1,400 from the Elks National Foundation of Boston, Massachusetts
 \$250 from the Engineers Club of Dallas, Texas
 \$250 from the Food Fair Stores Foundation of Philadelphia
 \$100 from the Future Teachers' Club of Roseville High School of Roseville
 \$125 from the Garden City Senior High School of Garden City
 \$300 from the Government Employees Exchange, Inc., of Pennsauken, New Jersey
 \$873.75 from the Green Foundation, Inc., of Jamaica, New York
 \$200 from the Hamilton Elvaston PTA of Warsaw, Illinois
 \$1,100 from the Fannie & John Hertz Engineering Scholarship Foundation of Los Angeles, Cal.
 \$50 from the Holbrook Young Republican Club of Holbrook, Massachusetts
 \$200 from Lee H. Horsley of Midland
 \$200 from the Huron County Federation of Women's Clubs of Harbor Beach
 \$500 from the Institute of International Education of New York City
 \$250 from the Jaycee War Memorial Fund of Tulsa, Oklahoma
 \$1,000 from the Jephson Educational Fund of New York City
 \$1,500 from the Jewel Tea Company, Inc., of Melrose Park, Illinois
 \$218.50 from Tom A. Johnson of East Lansing
 \$108 from the Kent County Alumnae Club of Grand Rapids
 \$100 from Les Belles Ball Committee of Inkster
 \$150 from L'Esprit Club of Ann Arbor
 \$1,500 from the Loeb Farm School for Jewish Children, Inc., of Chicago
 \$100 from the John Marshall High School of Cleveland, Ohio
 \$500 from the Edward Arthur Mellinger Educational Foundation, Inc. of Monmouth, Ill.
 \$1,500 from the Michigan State Employees Association of Lansing
 \$416 from the Mississippi Valley Structural Steel Company of St. Louis, Missouri
 \$125 from Mount Clemens High School
 \$1,000 from the Muskegon Bank and Trust Company of Muskegon
 \$1,100 from the National Association of Broadcasters of Washington, D.C.
 \$500 from the National Association of Negro Business and Professional Women's Clubs, Inc., of New York City
 \$500 from the National Association of Secondary-School principals of Washington, D.C.
 \$425 from the National Merit Corporation of Evanston, Illinois
 \$100 from the National Scholarship Service and Fund for Negro Students of New York City
 \$500 from the National Starch and Chemical Corporation of New York City
 \$290 from Oberlin College, Oberlin, Ohio
 \$1,600 from the George M. Pullman Educational Foundation of Chicago
 \$500 from R/M N.C.O. Wives Club of New York City
 \$250 from Redford Union High School of Detroit
 \$250 from the Richmond Rotary Club of Richmond, Indiana
 \$250 from Schenley Wholesalers Foundation, Inc. of New York City.
 \$250 from Scotch Plains-Fanwood Joint PTA of Scotch Plains, New Jersey
 \$300 from the Syvacuse Kiwanis Foundation of Syracuse, New York
 \$200 from the Wayne County Home Economics Executive Board of Dearborn
 \$400 from the West Islip Teachers Association of Long Island, New York
 \$250 from the Westwood Rotary Club of Inkster
 \$3,300 from the John and Elizabeth Whiteley Foundation of Lansing
 \$600 from the Arthur Ashley Williams Foundation of Holliston, Massachusetts
 \$250 from the Woman's Benefit Association of Port Huron
 \$200 from the Women's College Club of Saranac Lake, New York
 \$873.75 from the Worcester Polytechnic Institute of Worcester, Massachusetts
 \$100 from Taunton High School of Taunton, Massachusetts
 \$300 from the Toppers Club of Evanston, Illinois
 \$500 from the United Church Board for Homeland Ministries of New York City
 \$1,400 from the Zonta Club of Lansing

8. Grant of \$500 from the Agricultural Engineering Research Division of the United States Department of Agriculture of Beltsville, Maryland, to be used under the direction of F. H. Buelow in Agricultural Engineering for research into structural requirements for silos and methods of making, storing, and feeding silage, with particular emphasis on the effect of various types of forage on the structural requirements of the silo.

NEW BUSINESS, continuedMiscellaneous, continuedGifts and
Grants

9. Approval of a memorandum of agreement with the Eli Lilly and Company of Indianapolis, Indiana, covering a grant of \$500 to be used under the direction of E. R. Miller in Animal Husbandry for research on the supplementation of sows' lactation diet with ferrous fumarate.
10. Grants as follows from the National Institutes of Health of Bethesda, Maryland, to be used in Biochemistry:
 - a. \$6,200 to be used under the direction of James Fleeker for support of a fellowship.
 - b. \$18,340 to be used under the direction of John C. Speck, Jr. for an investigation of Mechanisms of action of carbohydrases.
 - c. \$5,500 to be used under the direction of W. A. Wood for support of a fellowship
11. Renewal of a memorandum of agreement with the Michigan Crop Improvement Association of East Lansing covering a grant of \$30,000 to be used under the direction of M. W. Adams in Crop Science for the breeding of improved bean varieties, genetic studies of yield, adaptation, and disease resistance in common beans, and studies on breeding methods.
12. Grants as follows from the Michigan Potato Industry Council of East Lansing to be used in Crop Science:
 - a. \$1,000 under the direction of R. W. Chase to study and observe and record changes in weight of packs from the time of packaging at the grading point through the retail outlet
 - b. \$1,000 under the direction of N. R. Thompson for serological testing of potatoes.
13. Grant of \$14,345 from the National Institutes of Health to be used under the direction of R. C. Ball in Fisheries and Wildlife for studies of the relationships of stress patterns in fish as related to stream pollution.
14. Grant of \$500 from Childs Frick of Long Island, New York, to be used under the direction of G. A. Petrides to help defray expenses for attending the meeting of the international union for the conservation of nature and natural resources in Nairobi, Kenya, and Salisbury.
15. Grant of \$1,000 from the National Academy of Sciences of Washington, D.C., to be used under the direction of G. A. Borgstrom in Food Science to conduct documentation and abstracting evaluations in the field of food science.
16. Grant of \$7,000 from the American Dairy Association of Chicago to be used under the direction of C. M. Stine in Food Science for an investigation of the properties and manufacture of high-fat culture flavored dressings.
17. Grants as follows from the National Institutes of Health to be used in the Food Science Department:
 - a. \$13,920 for identification of constituents of smoke in cured meats under the direction of L. J. Bratzler and A. M. Pearson
 - b. \$9,000 under the direction of J. R. Brunner for a study of the characteristics of the action of rennin on kappa-casein
 - c. \$14,460 under the direction of L. R. Dugan, Jr., for a study of Phospholipids of beef and pork muscle.
 - d. \$11,478 under the direction of L. G. Harmon to determine the thermal death time of Staphylococci in milk.
18. Grant of \$3,000 from the Packaging Corporation of America of Grand Rapids to be used under the direction of J. W. Goff in Packaging to conduct basic research on problems related to multi-sponsored research on the sealing of packaging materials at high machine speeds.
19. Renewal of a memorandum of agreement with the Nitrogen Division of Allied Chemical Company of New York City covering a grant of \$3,000 to be used under the direction of Donald P. White in Forestry for improving the quality of forest stands and plantations by applications of fertilizers and soil amendments.
20. Grant of \$3,600 from the J. H. Hill Memorial Foundation, Inc., of Richmond, Indiana, to be used under the direction of P. R. Krone in Horticulture to support research on the care and handling of cut roses and on post harvest physiology studies.
21. Renewal of a memorandum of agreement with the National Pickle Packers Association of St. Charles, Illinois, covering a grant of \$2,000 to be used under the direction of C. E. Peterson in Horticulture on the cucumber breeding project.
22. Renewal of a memorandum of agreement with the American Poultry & Hatchery Federation of Kansas City, Missouri, covering a grant of \$1,000 to be used under the direction of R. K. Ringer in Poultry Science to study the influence of cholesterol infusion to the embryo and that of the yolk sac on subsequent spontaneous atherosclerosis.
23. Renewal of a memorandum of agreement with the International Minerals & Chemical Company 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 to study the level of exchangeable magnesium and the percentage base saturation of magnesium in Michigan soils below which a response to added magnesium might be expected.

NEW BUSINESS, continuedGifts and Grants, continued

24. Grant of \$15,000 from the National Science Foundation of Washington, D.C., to be used under the direction of M. M. Mortland in Soil Science to study the complexes of clay minerals with simple nitrogen compounds. Gifts and Grants
25. Grant of \$1,500 from Super Value Stores, Inc., of Hopkins, Minnesota, to be used under the direction of T. A. Staudt in Marketing and Transportation; \$1,000 of which is a scholarship in mass marketing management and \$500 to the administration of the program.
26. Grant of \$700 from the Commercial News of Dansville, Ohio, to be used under the direction of M. S. MacLean, Jr. in the Communications Research Center to continue the study of community attitudes toward newspapers.
27. Grant of \$1,230 from the Fairview Public School to be used under the direction of W. James Giddis in Education to advise on reorganization of the school district.
28. Grant of \$952.40 from the State Board of Control for Vocational Education of Lansing to be used under the direction of Peter Haines in Education to determine the effect of cooperative training upon the graduate's subsequent entry into the labor market.
29. Grant of \$11,248 from the National Science Foundation to be used under the direction of Dean Ryder in Engineering to provide fees for four science faculty fellows and a cost of education allowance for the College of Engineering.
30. Grant of \$2,627.75 from The Detroit Edison Company of Detroit to be used in the College of Engineering to provide assistance to a graduate student in the form of the Alex Dow Fellowship.
31. Approval of a memorandum of agreement with the International Business Machines Corporation of New York City covering a grant of \$38,170 to be used under the direction of R. J. Reid in Engineering Research to investigate the applicability of current linear system analysis programs to the analysis of systems including non-linear elements.
32. Grants as follows from the National Institutes of Health to be used in Botany and Plant Pathology:
- a. \$4,700 under the direction of E. S. Beneke to study the physiology of basidiospore germination.
 - b. \$8,640 under the direction of A. H. Ellingboe for a study of the genetics and physiology of plant parasitism.
33. Grant of \$750 from the Chief Wabasis Potato Growers Cooperative Association of McBride to be used under the direction of W. J. Hooker in Botany and Plant Pathology to purchase a plant growth chamber.
34. Grant of \$2,500 from the National Science Foundation to be used under the direction of A.I. Popov in Chemistry to support a fellowship.
35. Grant of \$13,800 from the National Institutes of Health to be used under the direction of A. I. Popov and C. H. Brubaker, Jr., in Chemistry for research on charge-transfer complexes of tetrazoles.
36. Grant of \$1,000 from the Readers Digest of Pleasantville, New York, to be used under the direction of M. M. Miller in Geology in the Glaciological Institute operations.
37. Grant of \$4,640 from the Office of Naval Research of Washington, D.C., to be used under the direction of Joseph Lehner in Mathematics to study problems in discontinuous groups and automorphic functions.
38. Grant of \$19,600 from the National Science Foundation to be used under the direction of C. P. Wells in Mathematics for the support of an undergraduate science education program.
39. Grant of \$25,200 from the National Science Foundation to be used under the direction of S. K. Haynes in Physics and Astronomy for the support of an undergraduate science education program.
40. Grant of \$6,124 from the Michigan Cancer Foundation of Detroit to be used under the direction of R. A. Fennell in Zoology to characterize Rous sarcoma resistant and susceptible inbred chickens by graft-versus-host reactions and histochemical procedures.
41. Grants as follows to be used under the direction of C. S. Thornton in Zoology:
- a. \$4,500 from the National Institute of General Medical Science of Bethesda, Maryland, for a graduate fellowship
 - b. \$10,400 from the National Institute of Mental Health for two graduate fellowships.
 - c. \$10,024 from the National Institutes of Health to investigate the influence of nerve-epidermal interactions in limb regeneration.
42. Grant of \$6,500 from the National Institutes of Health to be used under the direction of Paul Bakan in Psychology to support a graduate fellowship.

NEW BUSINESS, continuedGifts and Grants, continuedGifts and
Grants

43. Grant of \$1,100 from the Family Service Agency of Lansing to be used under the direction of G. J. Aldridge in Social Work to support a graduate student.
44. Grant of \$2,500 from the National Science Foundation to be used under the direction of John Useem in Sociology and Anthropology to support a graduate student.
45. Grant of \$1,750 from The Sears-Roebuck Foundation of Chicago to be used under the direction of Myles Boylan in Urban Planning and Landscape Architecture to increase the flow of needed personnel with competent training for urban planning careers. This includes \$1,250 for a fellowship and \$500 for use by the department.
46. Grant of \$86,584 from the United States Office of Education to be used under the direction of Elizabeth H. Rusk in American Thought and Language, Education, and English to provide for study of unified and professional experiences in language and writing for the preparation of secondary school teachers of English.
47. Grant of \$13.05 from the Michigan Veterinary Medical Association of Grand Rapids to be used under the direction of Dean Armistead in Veterinary Medicine to purchase books for the Veterinary Library in memory of Lauren Engstrom.
48. Grant of \$43,941 from the National Aeronautics and Space Administration to be used under the direction of D. T. Clark in Microbiology and Public Health to define and verify an experiment suitable for use in a biosatellite to study the effects of weightlessness on immunity to infection.
49. Grant of \$1,500 from the Michigan Tuberculosis and Respiratory Disease Association of Lansing to be used under the direction of W. L. Mallmann in Microbiology and Public Health for investigations of experimental mycobacterial infections and of mycobacterial antigens.
50. Grant of \$5,348 from The Michigan Cancer Foundation of Detroit to be used under the direction of W. L. Frantz in Physiology and Pharmacology for a study of the relationship of mitochondrial calcium and magnesium ion to induction of hepatic tumors in mice by carbon tetrachloride.
51. Grant of \$45,870 from the National Institutes of Health to be used under the direction of Joseph Meites in Physiology and Pharmacology to study the control by the brain of the pituitary gland.
52. Grant of \$2,100 from The Upjohn Company of Kalamazoo to be used under the direction of R. W. Van Pelt in Surgery and Medicine for research and clinical use of corticosteroids for intrabursal injection.
53. Grant of \$6,000 from The Bendix Corporation of Detroit to be used under the direction of A. L. Hunter in Continuing Education to help finance the graduate program at the Benton Harbor Center.
54. Grants as follows to be used under the direction of A. L. Hunter in Continuing Education to support the Adventure in World Understanding Program:
 - \$25 from Paul J. Baker of Lansing
 - \$50 from Stannard L. and Gladys K. Baker of East Lansing
 - \$150 from Bruce J. Maguire of Lansing
 - \$75 from Douglas Steel Fabricating Corporation of Lansing
 - \$25 from The Hausman Steel Company of Lansing
 - \$150 from Mr. and Mrs. Fred England of East Lansing
 - \$150 from Walter W. Neller of Lansing
 - \$300 from Ransom Fidelity Company of Lansing
 - \$500 from Consumers Power Company of Jackson
 - \$50 from Montcalm County Home & Extension Council of Sheridan
 - \$150 from Major Appliance Company of East Lansing
 - \$50 from David B. & Irene P. Johnson of Okemos
 - \$200 from John P. McGoff of Williamston
 - \$150 from The Olofsson Corporation of Lansing
 - \$10 from Michigan Welding Supply Company of Lansing
 - \$25 from George H. and Verna Hedeon of Lansing
 - \$10 from the Fine Charitable Foundation of Lansing
 - \$300 from Simon Iron & Steel Corporation of Lansing
 - \$500 from the Matilda R. Wilson Fund of Detroit
55. Grant of \$2,104,000 from the United States Agency for International Development to be used under the direction of Dean Taggart to continue assistance to the University of Nigeria.
56. Grant of \$9,076.80 from the United States Agency for International Development to be used under the direction of Dean Taggart and M. F. Perkins for technical advice for development of a land-grant college system at Mar del Plata and expansion of the college system at Balcarce, Argentina.
57. Grant of \$2,610 from the Jewel T. Foundation of Chicago to be credited to the Discretionary Gift Fund, 31-1113. This is in support of their scholarship program.
58. Grant of \$15,000 from Jessie T. Fee of Adrian to be used for the maintenance of the Hidden Lake Gardens.

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

NEW BUSINESS, continuedReports for Board Members

1. The following alterations and improvements have been approved since the September meeting of the Trustees and charged to Alterations and Improvements, 11-5173:

a. Alterations to Quonset 103 for the Department of Public Safety	\$1,400
b. Install asphalt seal on strip of blacktop surrounding football playing field in Spartan Stadium	1,200
c. Improve ventilation in Room 12, Olds Hall, for Psychology	650
d. Install Kool Shade type screens for Arts and Letters offices in Berkey Hall	200
e. Alterations to Rooms 408, 410, and 413 Berkey Hall, for Political Science	300
f. Alterations to projection room in Auditorium to better lighting	800
g. Install building directory in the central foyer of Berkey Hall	80
	<u>\$4,630</u>

Approval
appropriations for
several
alterations

2. Additional payments to salaried employees as per list on file.

OAKLAND UNIVERSITYMiscellaneous

1. Recommendation from the Director of Personnel that a Clerk I position be reclassified to a Teller III position in the Oakland Center Operations.
2. Grants as follows for scholarships purposes:

Approval
Oakland
University
items

- a. For Scholarship Account, 32-3226:
- \$324 from the American Business Women's Association of Pontiac
 - \$324 from Warren S. Booth of Detroit
 - \$500 from John S. Bugas of Dearborn
 - \$160 from Richard S. Cass of Detroit
 - \$100 from the Citizens Scholarship Foundation of Livonia
 - \$350 from The Detroit Edison Company
 - \$500 from The R. C. Mahon Company of Detroit
 - \$350 from The Michigan Bell Telephone Company of Detroit
 - \$325 from Mr. and Mrs. Ralph T. Norvell of Pontiac
 - \$20,928.51 from the Oakland County Scholarship Committee of Rochester
 - \$250 from Wilbur L. Ott of Pontiac
 - \$162 from the Oxford Savings Bank of Oxford
 - \$584.50 from the Womans National Farm & Garden Association of Union Lake
- b. For Award Account, 32-3359:
- \$225 from the Franklin Settlement of Detroit
 - \$2,000 from The Pontiac Press of Pontiac
 - \$200 from the Romeo Community Schools
 - \$163 from the Rotary Club of Southfield
 - \$300 from J. E. B. Stuart High School PTA of Falls Church, Virginia

On motion by Mr. Vanderploeg, seconded by Mr. Stevens, it was voted to approve the Oakland University Items.

ADDITIONAL ITEMSMiscellaneous

1. On October 2 the following bids were received for a small addition to the Education Building to provide administrative office space on the ground floor:

Granger Brothers, Inc.	\$36,778
Hausman Construction Co.	37,857
The Christman Company	37,886
E. L. O'Harrow General Contracting, Inc.	41,887

Contract
awarded for
addition to
Educ Bldg.

In the early planning stages the College of Education had suggested that some of the first floor lobby area be converted into offices. Mr. Calder and Mr. Simon felt that this was a poor solution to the problem and suggested the small addition which was estimated to cost \$32,000. From the beginning it was understood that the cost would have to be financed out of the College of Education budget.

As has been our recent experience, the bids exceeded the estimate, and the total cost of the project amounted to about \$41,000. Since taking the bids, alterations in the plans have been made, and approximately \$3,000 taken out of this project. I would now like to recommend Board approval for the awarding of a contract to Granger Brothers, Inc., in the amount of \$33,508.

The budget for this project will be:

Construction	\$33,508
Architect	1,675
Site Development	1,500
Contingency	1,317
	<u>1,317</u>
Total	38,000

To finance the project I am recommending an appropriation of \$6,000 to supplement the \$32,000 which is to be provided by the College of Education.

ADDITIONAL ITEMS, continuedMiscellaneous, continued

Contracts
awarded for
air condition-
ing Library

2. On October 22 the following bids were received for air conditioning the Library:

General Construction
B. J. Siwek Construction
Granger Brothers
Banta-Brooks, Inc.

\$54,490
54,800
63,600

Mechanical

W. A. Brown Corp.
United Piping & Erecting
Spitzley Corp.
Dard, Inc.
John E. Green Plumbing and Heating
Shaw-Winkler, Inc.
Robert Carter Corp.

\$283,500
313,677
319,350
326,700
349,400
353,875
365,000

Alternate #1

+16,000
+19,500
+19,490
+17,100
+15,500
+15,500
+20,100

Electrical

Lansing Electric Motors
Hall Electric
Central Electric Motors
Barker Fowler Electric
Hatzel & Buehler, Inc.

13,190
13,600
14,050
14,948
14,950

+ 150
+ 550
+ 265
+ 570
+ 900

The Alternate #1 covered the use of electro-static filters which are more effective in removing dirt, and which are less costly to operate. We are therefore recommending that this alternate be accepted.

It is recommended that the Board approve the awarding of contracts including Alternate #1 to the following contractors:

General -	B. J. Siwek Construction	\$ 54,490
Mechanical -	W. A. Brown Corp.	299,500
Electrical -	Lansing Electric Motors	13,340
		<u>\$367,330</u>

On motion by Dr. Smith, seconded by Mr. Huff, it was voted to approve items 1 and 2.

Approval
contracts for
new Veterinary
Clinic Bldg.

3. On October 16 bids were taken for the new Veterinary Clinic Building. Proposal No. 1 was for the facility without an auditorium and Proposal No. 2 included the same project but with a 500-seat auditorium added.

General Contractors

Granger Construction Company
Granger Brothers, Inc.
The Christman Company
Clark Construction Company
Spence Brothers

Proposal No. 1

\$1,939,000
1,948,000
1,989,963
2,006,973
2,089,000

Proposal No. 2

\$2,031,000
2,008,000
2,088,929
2,113,973
2,184,000

Electrical Contractors

Barker-Fowler Electric Co.
Hall Electric Company
Hatzel & Buehler, Inc.
Kent Electric Company
Central Electric Motor & Construction
Lansing Electric Motors

358,035
372,500
381,000
386,000
396,400
413,494

371,345
390,000
397,000
404,000
409,400
430,964

Mechanical Contractors

Shaw-Winkler, Inc.
Lorne Plumbing & Heating Co.
John E. Green Plumbing & Heating
Spitzley Corporation
Eames & Brown
Robert Carter Corporation

1,301,900
1,339,000
1,348,000
1,435,300
1,447,000
1,489,000

1,330,000
1,367,000
1,385,000
1,485,000
1,487,000
1,534,000

Hardware

George Worthington Co.
Young Bros. & Daley, Inc.
Detroit Sterling Hardware

38,520
39,744
43,772

40,670
41,815
45,642

Laboratory Equipment

Hamilton Manufacturing Co.
Brown-Morse
Duralab Equipment Corp
Metal-Lab-Craft
Kewaunee Mfg. Company
S. Blickman, Inc.
E. H. Sheldon Co.
Laboratory Furniture Co.

116,115
133,000
140,139
141,764
143,900
148,000
163,348.30
178,871

117,216
134,000
141,139
142,634
144,500
149,000
164,328.10
179,890

continued - -

ADDITIONAL ITEMS, continuedMiscellaneous, continued

3. Library Airconditioning, continued:

<u>Summary of Low Bids</u>	<u>Proposal No. 2</u>	<u>Proposal No. 1</u>
Granger Brothers, Inc.	\$2,008,000	
Granger Construction Co.		\$1,939,000
Shaw-Winkler, Inc.	1,330,000	1,301,900
Barker Fowler Electric Co.	371,345	358,035
Hamilton Manufacturing Co.	117,216	116,115
George Worthington	40,672	38,520
	<u>\$3,867,233</u>	<u>\$3,753,570</u>

Approval
contracts for
aircondi-
tioning
Library

Since the bids exceeded our estimates and the total project cost was considerably in excess of the \$4,200,000 project budget which the Board had funded, we have used the past 10 days to consider possible cost reductions. In summary, acceptance of Proposal No. 1 without the auditorium would save a total of about \$129,000, and a reduction in space in the large and small animal clinics could result in another saving of approximately \$130,000. In addition to these two major items, we have under consideration changes in the mechanical work which will result in a cost saving of about \$40,000 to \$50,000. After deducting all of these savings our budget will be approximately \$200,000 short.

At the meeting in your office this morning we concluded that the dollar savings were not great enough to justify giving up the 500-seat auditorium and the animal clinic space. I would therefore like to recommend that the Board approve the awarding of contracts to the low bidders under Proposal No. 2, and that the following budget be established for this project:

General Construction	\$3,867,233
Architect	200,000
Site	85,000
Parking	165,000
Utilities	150,000
Furnishings and Equipment	175,000
Contingency and Bonds	57,767
	<u>\$4,700,000</u>

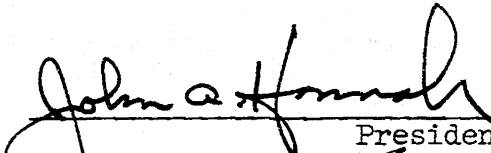
On motion by Mr. Huff, seconded by Dr. Smith, it was voted to approve awarding contracts to the low bidders under Proposal No. 2.

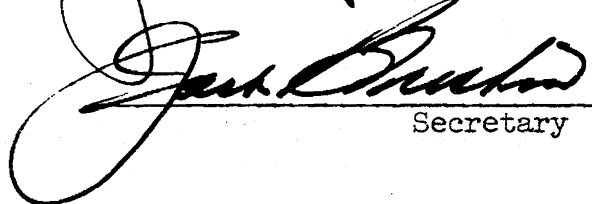
The meeting adjourned at 12:30 p.m.

The next meeting will be on Friday, November 22, with the Finance Committee meeting at 9:30 a.m. and the regular Board meeting at 2:00 p.m.

There will be no meeting of the Board in December. The combined December-January meeting will be Friday, January 10. There will be an informal meeting on Thursday evening, January 9.

Mr. Nisbet will be absent at the December-January meeting, but he has requested that Mr. Vanderploeg represent him at this meeting.


President


Secretary