

MINUTES OF THE MEETING
of the
MICHIGAN STATE UNIVERSITY
FINANCE COMMITTEE
November 15, 1974

President Wharton called the Finance Committee meeting to order at 7:45 a.m.

The following were present: Trustees Carrigan, Huff, Martin, Merriman, Radcliffe, Stack, Stevens, and Thompson; Trustees-elect John Bruff and Raymond W. Krolikowski; President Wharton, Executive Vice President and Secretary Breslin, Vice President Wilkinson, Provost Cantlon, Vice President Scott, Assistant to the President Ballard, Attorney Carr.

Absent: No one.

President Wharton welcomed Trustees-elect Bruff and Krolikowski.

1. Pacific Gas & Electric offered to holders of its stock on October 1, 1974 rights to purchase shares of common stock on a 1 for 11 basis. The University exercised these rights on October 21, 1974 by purchasing 1,601 shares at a total cost of \$25,616. With the completion of this transaction, the University now holds 19,315 shares.

Trustees-elect
Bruff and
Krolikowski
welcomed

Purchase of
Pacific Gas &
Elec. stock
approved

RESOLVED that the above investment report be approved.

Unanimously approved. Motion by Trustee Huff, seconded by Trustee Thompson.

2. As previously reported to the Board of Trustees, the Michigan Council of State College Presidents, through a Business Officers subcommittee, has been studying the possibility of creating an insurance pool to provide property insurance coverage for the thirteen Michigan institutions. At their meeting on November 1, the Business Officers recommend to the presidents that an insurance pool for this purpose not be formed immediately. This recommendation will be considered by the presidents at their next regularly scheduled meeting. This decision will have an impact upon the property insurance coverage of Michigan State University, and it is recommended that the University now accept a proposal from the Mourer Insurance Agency which will result in increased coverage for the University at approximately the current cost.

Plan for creation
of insurance
pool for Mich.
institutions
abandoned for
present;

Currently 93% of the University buildings are insured at actual cash value, i.e., replacement cost less depreciation. If a loss would occur, in most cases the yield would be substantially less than the probable cost of replacement. For example, using the actual cash value of Berkey Hall, it would yield a maximum payment to the University of \$2,662,000, whereas the replacement cost is estimated at \$5,722,000.

Property insur-
ance program to
be placed on
replacement cost
basis and
contract extended
to Oct. 1, 1977

The Mourer Insurance Agency proposal would place all of our buildings on the replacement cost value, which would result in buildings currently valued at approximately \$312,034,000 to be covered at a replacement cost of approximately \$493,400,000. The current \$100,000 deductible would continue to be in effect, and contents coverage would be on actual cash value. In making this proposal, the present coverage would be amended and the insurance coverage would be extended to October 1, 1977. This is an extension of the current contract of two years, and would allow the University to become a part of the insurance pool if the Michigan institutions adopt a plan at a future date.

RESOLVED that the University place its insurance program on the replacement cost basis and extend the present contract as recommended.

Unanimously approved. Motion by Trustee Thompson, seconded by Trustee Stevens.

3. Following a meeting October 31, 1974 between representatives from the State of Michigan - Commonwealth Air Pollution Control Division - Bureau of Facilities, Commonwealth Associates, Inc., and Michigan State University to discuss a course of action for MSU to pursue on the Power Plant 65 Units 1 and 2 Precipitator Contract bids, Commonwealth Associates submitted the following recommendations:

Commonwealth
Assoc. recommen-
dations re
Units 1 and 2
precipitators
approved

1. An extension of the bids from Western Precipitation and Research Cottrell should be obtained if possible.
2. MSU should investigate the possibility of modifying the existing precipitators and utilizing chemical injection in the waste gases to bring Units 1 and 2 into compliance with State requirements when burning coal fuel. This would be done with the expectation of keeping the expenditure within the budget. This study could be performed by Commonwealth Associates at a cost of approximately \$12,000 to \$15,000 but not to exceed \$20,000.
3. If the investigation of the modification of the existing precipitators does not result in a decision to follow this course of action, and if there are indications of the bid prices of precipitators staying level or coming down, then the new precipitators should be rebid. This rebid would specify an efficiency to meet Federal emission standards and would be for roof mounted installation. (It has become apparent from the bids previously taken and evaluated, that a roof mounted installation would be the least costly).

continued.....

Precipitator
Bids, cont.

3. Power Plant 65 - Precipitator Contract Bids, cont.

3. continued

While This rebid will not bring the project cost within budget, it is expected that the cost would be somewhat lower than previously estimated with the September 20th bids. Commonwealth sees the possibility of nearly one million dollars saving by accepting an efficiency lower than originally specified.

Motion was made by Trustee Huff, seconded by Trustee Carrigan, to follow the above course of action. Unanimously carried.

Univ. authorized
to order furnish-
ings for Greater
Detroit Mgt.
Ed. Center

4. Vice President Wilkinson reported that in a meeting to review the financial status of the Greater Detroit Management Education Center Foundation project, Mr. Edward Ledermann, President of the Foundation, advised that due to the present economic climate the Foundation could not guarantee the \$135,000 needed to purchase furniture and food services equipment. It is the intent of the Foundation to make every effort to raise the \$135,000 (\$25,000 to \$35,000 of which is already on deposit with the University), but in order to meet the April 1, 1975 opening date, they have requested that the University order these furnishings.

It was Vice President Wilkinson's recommendation that the University assist the Foundation in the ordering of the furnishings with the understanding that the Foundation Board would make every effort to raise funds in order to cover this expenditure. The amount involved would be carried in an account as a deficit until the Foundation pays it.

On motion by Trustee Huff, seconded by Trustee Carrigan, the above recommendation was unanimously approved.

Porter Realty
Co. to assist in
acquisition of
Box property if
Exec. V.P. Breslin
and Attorney
Carr unable to
negotiate
purchase

5. For a long time the Board has shown considerable interest in the purchase of the Harry Box farm. Certain officers of the University have from time to time discussed this matter with Mrs. Harry Box. However, to date their efforts have been unsuccessful.
- It is now recommended that if the Trustees are still interested in purchasing the Box property, they employ the services of the Porter Realty Co., Lansing, at a cost of \$37.50 per hour plus 20% office overhead to assist in this acquisition.

Motion was made by Trustee Stevens, seconded by Trustee Huff to approve the above recommendation.

During the discussion it was recommended that the motion be amended to include a provision that Executive Vice President Breslin and Attorney Carr make one more call on Mrs. Box in an effort to arrange for the purchase of her property by the University. If they are not successful, the Porter Realty Co. will be employed under the terms shown above to assist the University in the acquisition of the Box property. Motion as amended unanimously approved.

Adjourned.

MINUTES OF THE MEETING
of the
MICHIGAN STATE UNIVERSITY
BOARD OF TRUSTEES
November 15, 1974

Present: Trustees Carrigan, Huff, Martin, Merriman, Radcliffe, Stack, Stevens, and Thompson; Trustees-elect John Bruff and Raymond W. Krolikowski; President Wharton, Executive Vice President and Secretary Breslin, Vice President Wilkinson, Provost Cantlon, Vice Presidents Muelder, Nonnamaker, Perrin, and Scott, Assistant to the President Ballard, Attorney Carr.

Absent: No one.

The Board convened in the Board Room at 10:21 a.m.

Trustees-elect Bruff and Krolikowski were welcomed by President Wharton.

1. Motion was made by Trustee Merriman, seconded by Trustee Thompson, to approve the agenda. Unanimously carried.

2. On motion by Trustee Martin, seconded by Trustee Radcliffe, it was unanimously voted to approve the minutes of the October 18, 1974 meeting.

3. Motion was made by Trustee Merriman, seconded by Trustee Thompson, to approve the Finance Committee actions. Unanimously carried.

A. PERSONNEL CHANGES

November 15, 1974

Resignations

Resignations

1. Nancy B. Burton, Extension Home Economist, Baraga and Houghton-Keweenaw counties, effective October 31, 1974 to resume advanced education.
2. Stephen W. Schar, Specialist, Resource Development and Urban Planning and Landscape Architecture, effective November 6, 1974 to accept employment elsewhere.
3. Lois H. Humphrey, Associate Professor, Family Ecology, and Assistant to the Dean, College of Human Ecology, effective April 30, 1975.
4. Marcia Rysztak, Specialist, Institute for Family and Child Study, effective September 15, 1974 to accept graduate assistantship.
5. Bader Siddiki, Research Associate, Biochemistry, effective November 18, 1974 to accept another position.
6. Cancellation of the appointment of Robert Stelle, Associate Professor, Family Practice, effective September 1, 1974 through June 30, 1975 to be reappointed as non-paid faculty.
7. Cancellation of the appointment of Roy T. Bergman, Assistant Professor, Surgery, effective October 1, 1974 through June 30, 1975 to be appointed as non-paid faculty.
8. Cancellation of the appointment of Dennis Grether, Instructor, Lyman Briggs College; Director, Student Relations, Dean of Students; and Director, Holmes Hall, Residence Hall Programs, effective September 1, 1974 through August 31, 1975 to accept a position with Muskegon school system.
9. Turner B. Sutton, Research Associate, Botany and Plant Pathology, and Entomology, effective September 30, 1974 to assume new position at North Carolina State University.
10. Akio Kobayashi, Research Associate, MSU/AEC Plant Research Laboratory, effective October 31, 1974 to accept a position at University of Rhode Island.
11. Hiram Kitchen, Professor and Acting Director, Center for Laboratory Animal Resources, and Professor, Biochemistry, effective December 31, 1974 to accept a position at the University of Tennessee.
12. Dawn P. Hollenbeck, Instructor, University Extension, Continuing Education Service, effective September 30, 1974.
13. Carolyn Q. Asquith, Librarian, Libraries, effective January 3, 1975 to seek other employment.
14. Janet Gail Nicula, Librarian, Libraries, effective December 31, 1974 to follow her husband to Virginia.

Leaves--SabbaticalLeaves --
Sabbatical

1. Boyd G. Ellis, Professor, Crop and Soil Sciences, with full pay, effective March 1, 1975 through August 31, 1975 to study and teach at University of Natal, Pietermaritzburg, South Africa.
2. Clarence D. McNabb, Jr., Professor, Fisheries and Wildlife, with full pay, effective January 1, 1975 through June 30, 1975 to study in east and southeastern United States, and Max Planck Institute, West Germany.
3. James E. Roper, Assistant Professor, Philosophy, with half pay, effective January 1, 1975 through December 31, 1975 to study in East Lansing, Michigan.
4. Marvin E. Grandstaff, Associate Professor, Secondary Education and Curriculum, with full pay, effective January 1, 1975 through March 31, 1975 to study in East Lansing.
5. O. Donald Meaders, Professor, Secondary Education and Curriculum, with full pay, effective January 1, 1975 through June 30, 1975 to study in East Lansing, Michigan; Columbus, Ohio; and Raleigh, North Carolina. (If a research proposal is funded by MUCIA, most of the time will be spent in Taiwan).
6. Robert F. Blanks, Associate Professor, Chemical Engineering and Division of Engineering Research, with half pay, effective September 1, 1975 through August 31, 1976 to study in United States, Canada, France, and England.
7. Arnold Werner, Associate Professor, Psychiatry, Health Center, and Counseling Center, with half pay, effective July 1, 1975 through June 30, 1976 to study at the University of Rochester School of Medicine and Dentistry, Rochester, New York.
8. Albert H. Ellingboe, Professor, Botany and Plant Pathology, with half pay, effective January 1, 1975 through December 31, 1975 to study in Sydney, Australia.
9. Thomas G. Ruhala, Associate Professor, Social Work, with full pay, effective January 1, 1975 through March 31, 1975 to study in East Lansing, Michigan.

A. PERSONNEL CHANGES, continued

November 15, 1974

Sabbatical
Leaves, cont.Leaves--Sabbatical, cont.

10. Jane Featherstone, Assistant Professor and Director of Comprehensive English, American Thought and Language, with full pay, effective June 16, 1975 through September 15, 1975 to study and travel in East Lansing, Indiana, Guatemala, and Brazil.
11. Hugh B. Fox, Associate Professor, American Thought and Language, with half pay, effective September 1, 1975 through August 31, 1976 to study and travel in England, North Central India, and Pakistan.
12. James M. Decker, Associate Professor, Humanities, with full pay, effective October 1, 1975 through December 31, 1975 to study in East Lansing and at University of Pennsylvania, Philadelphia, Pennsylvania.

Health Leaves

Leaves--Health

1. W. Cameron Meyers, Professor, Journalism, with full pay, effective September 1, 1974 through December 31, 1974.

Other Leaves

Leaves--Other

1. George F. Bertsch, Professor, Physics, without pay, effective January 1, 1975 through April 30, 1975 to study at Los Alamos Scientific Laboratory.

Transfers and
Changes in
AssignmentTransfers and Changes in AssignmentBetty M.
Ketcham

1. Additional assignment as Adjunct Assistant Professor, Food Science and Human Nutrition, effective September 16, 1974 through June 30, 1975 for Betty M. Ketcham, Program Leader, Family Living Education.

Mary B. Ferres

2. Approved the following for Mary B. Ferres, Specialist, Agricultural Economics:
 - a. Change in salary from \$8,500 per year to \$9,200 per year on a 12-month basis, effective July 1, 1974 through June 30, 1975;
 - b. Change from 100% time to 80% time at a salary of \$7,360 per year on a 12-month basis, effective November 1, 1974 through June 30, 1975.

James A. Flore

3. Change in beginning date of appointment of James A. Flore as Assistant Professor, Horticulture, from October 15, 1974 to December 1, 1974.

Shimon Mayak

4. Change in the ending date of appointment of Shimon Mayak as Research Associate, Horticulture, from December 31, 1974 to December 20, 1974.

Edmond W. Alchin

5. Additional assignment to Resource Development effective January 1, 1975 through March 31, 1975 for Edmond W. Alchin, Coordinator, Institute for Community Development.

Robert G.
LaPrad

6. Dual assignment of Robert G. LaPrad, Associate Professor, to the Institute of Agricultural Technology and the Dean's Office, College of Agriculture and Natural Resources, effective July 1, 1974.

Franklin D.
Platt

7. Additional assignment to History, effective January 1, 1975 through April 30, 1975 for Franklin D. Platt, Associate Professor, Humanities.

Mary Ann
Tyrrell

8. Change in terms of appointment of Mary Ann Tyrrell as Instructor, Romance Languages, from a 12-month to a for-the-period basis, effective September 15, 1974 through June 30, 1975.

Alden C. Olson

9. Change Alden C. Olson, Professor and Acting Associate Dean, College of Business, from a 10-month basis at a salary of \$22,300 per year to a 12-month basis, at a salary of \$27,875 per year, effective September 1, 1974.

Alexander J.
Kloster

10. Additional assignment as Director, Contracted School Services, effective November 1, 1974 for Alexander J. Kloster, Associate Professor, Administration and Higher Education.

Lonnie D.
McIntyre, Jr.

11. Change in the ending date of the appointment of Lonnie D. McIntyre, Jr., as Assistant Professor, Elementary and Special Education, from June 30, 1975 to June 14, 1975.

Kathleen M.
White

12. Change Kathleen M. White, Instructor, Elementary and Special Education, from 45% time at a salary of \$5,000 to 50% time at a salary of \$5,500 per year on a 10-month basis, effective September 1, 1974 through August 31, 1975.

Thomas J.
Manetsch

13. Change Thomas J. Manetsch, Professor, Electrical Engineering and Systems Science, from 100% time at a salary of \$22,350 per year to 75% time at a salary of \$16,763 per year on a 10-month basis, effective September 1, 1974 through December 31, 1974.

Eleanor M.
Morrison

14. Change in the ending date of appointment of Eleanor M. Morrison as Instructor, Family and Child Sciences, from June 30, 1975 to August 31, 1975.

Horacio
Fabrega

15. Additional assignment as Adjunct Professor, Anthropology, effective September 1, 1974 through August 31, 1975 for Horacio Fabrega, Professor, Psychiatry.

A. PERSONNEL CHANGES, continued

November 15, 1974

Transfers and Changes in Assignment, cont.Transfers and
Changes in
Assignment, cont

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| 16. Additional assignment as Adjunct Associate Professor, Anthropology, effective September 1, 1974 through August 31, 1975 for Ronald C. Simons, Associate Professor, Psychiatry. | Ronald C. Simons |
| 17. Approved the following for Ronald W. Wilson, Associate Professor, Natural Science: | Ronald W. Wilson |
| a. Additional assignment to Human Development, effective September 1, 1974 through August 31, 1975; | |
| b. Change in terms of sabbatical leave effective September 1, 1974 through August 31, 1975 from half to full pay. | |
| 18. Additional assignment for Harry A. Eick, Professor, Chemistry, and MERIT Associate Director, Computer Laboratory, as Associate Dean, College of Natural Science, with an increase in salary to \$32,000 per year on a 12-month basis, effective October 1, 1974. | Harry A. Eick |
| 19. Change Edward M. Eisenstein, Professor, Biophysics, from leave, one-fourth pay, to leave, one-half pay, effective October 1, 1974 through December 31, 1974. | Edward M. Eisenstein |
| 20. Change Stanley R. Crouch, Associate Professor, Chemistry, from leave, half pay, to leave, three-fourths pay, effective September 1, 1974 through August 31, 1975. | Stanley R. Crouch |
| 21. Change James A. Webster, Adjunct Associate Professor, Entomology, from variable time at no salary to 25% time at a salary of \$1,000 for the period January 1, 1975 through March 31, 1975. | James A. Webster |
| 22. Change in terms of appointment of Harry A. Mavromatis as Visiting Professor, Physics, from \$8,000 per year, effective October 1, 1974 through August 31, 1975, to \$8,000 for the period October 1, 1974 through June 30, 1975. | Harry A. Mavromatis |
| 23. Change Charles L. Thornton, Specialist-Project Administrator, Physics, from 40% time at a salary of \$500 per month to 50% time at a salary of \$600 per month, effective November 1, 1974 through December 31, 1974. | Charles L. Thornton |
| 24. Cancellation of sabbatical leave effective September 1, 1974 through December 31, 1974 for Surinder K. Aggarwal, Associate Professor, Zoology. | Surinder K. Aggarwal |
| 25. Change of assignment for James P. Howard from Professor, Community Medicine, and Assistant Dean for Community Affairs, Dean's Office, College of Osteopathic Medicine, to Professor and Assistant Dean for Community Affairs, Dean's Office, College of Osteopathic Medicine, effective July 1, 1974. | James P. Howard |
| 26. Additional assignment as Assistant Dean for Continuing and Graduate Medical Education, Dean's Office, College of Osteopathic Medicine, effective September 1, 1974 for Donald E. McBride, Professor, Osteopathic Medicine. | Donald E. McBride |
| 27. Change of assignment for Fred C. Tinning from Associate Professor, Community Medicine, and Director, Office of Staff Resources, Dean's Office, College of Osteopathic Medicine, to Associate Professor, Community Medicine, and Assistant Dean for Educational Resources, Dean's Office, College of Osteopathic Medicine, effective September 1, 1974. | Fred C. Tinning |
| 28. Additional assignment as Acting Director of Admissions, Dean's Office, College of Osteopathic Medicine, with an increase in salary to \$19,950 per year on a 12-month basis, effective September 1, 1974 for Howard S. Teitelbaum, Associate Professor, Medical Education Research and Development. | Howard S. Teitelbaum |
| 29. Change of assignment for Ralph L. Willard from Professor, Osteopathic Medicine, and Assistant Dean for Clinical Affairs, Dean's Office, College of Osteopathic Medicine, to Professor, Osteopathic Medicine, and Associate Dean for Academic Affairs, Dean's Office, College of Osteopathic Medicine, effective September 1, 1974. | Ralph L. Willard |
| 30. Additional assignment to Family Medicine, effective November 1, 1974 through June 30, 1975 for John P. Goodridge, Associate Professor, Biomechanics. | John P. Goodridge |
| 31. Change Seymour Baxter, Associate Clinical Professor, Psychiatry, from variable time at no salary to 15% time at a salary of \$2,800 for the period November 1, 1974 through June 30, 1975. | Seymour Baxter |
| 32. Change Sander J. Breiner, Assistant Clinical Professor, Psychiatry, from variable time at no salary to 20% time at a salary of \$4,000 for the period November 1, 1974 through June 30, 1975. | Sander J. Breiner |
| 33. Change Darrell H. Chamberlain, Clinical Instructor, from variable time at no salary to 20% time at a salary of \$2,200 for the period November 1, 1974 through June 30, 1975. | Darrell H. Chamberlain |
| 34. Change Robert N. Elliott, Assistant Clinical Professor, Psychiatry, from variable time at no salary to 14% time at a salary of \$2,200 for the period November 1, 1974 through June 30, 1975. | Robert N. Elliott |
| 35. Change Jack F. Ensroth, Assistant Clinical Professor, Psychiatry, from variable time at no salary to 18% time at a salary of \$2,800 for the period November 1, 1974 through June 30, 1975. | Jack F. Ensroth |

A. PERSONNEL CHANGES, continued

November 15, 1974

Transfers and Changes in Assignment, cont.

Transfers and Changes in Assignment, cont.	
David J. Dwyer	36. Change in terms of appointment of David J. Dwyer as Assistant Professor, Anthropology and African Studies Center, from a salary of \$13,150 for the period September 16, 1974 through June 30, 1975, to a salary of \$13,150 per year on a 10-month basis, effective September 1, 1974 through August 31, 1975.
Daniel Jacobson	37. Additional assignment as Adjunct Professor, Anthropology, effective September 1, 1974 through August 31, 1975 for Daniel Jacobson, Professor, Geography, and Director, Social Science Teaching Institute.
Norman J. Sauer	38. Change Norman J. Sauer from Instructor to Assistant Professor, Anthropology, with an increase in salary to \$13,150 per year on a 10-month basis, effective September 1, 1974 through August 31, 1975.
Rudy A. Bernard	39. Additional assignment as Adjunct Associate Professor, Psychology, effective July 1, 1974 through June 30, 1975 for Rudy A. Bernard, Associate Professor, Physiology.
Harriet A. Dhanak	40. Change Harriet A. Dhanak, Specialist, Political Science, from 65% time to 50% time, effective September 16, 1974 through June 30, 1975.
Douglas T. Hall	41. Additional assignment as Adjunct Professor, Psychology, effective September 1, 1974 through August 31, 1975 for Douglas T. Hall, Professor, Management.
William H. Padberg	42. Additional assignment as Acting Director, School of Social Work, with an increase in salary salary to \$23,400 per year on a 12-month basis, effective November 1, 1974 for William H. Padberg, Associate Professor, Social Work.
Cleo H. Cherryholmes	43. Additional assignment to the Computer Institute for Social Science Research, effective September 1, 1974 through August 31, 1975 for Cleo H. Cherryholmes, Associate Professor, Political Science.
Emma Thornton	44. Additional assignment to the Dean's Office, University College, and a change in salary to \$11,300 per year on a 10-month basis, effective July 1, 1974 for Emma Thornton, Assistant Professor, American Thought and Language.
Roy H. McFall	45. Change in ending date of leave from September 15, 1974 to August 31, 1974 for Roy H. McFall, Assistant Professor, Natural Science.
Glenda N. Hammond	46. Change Glenda Nalls Hammond, Instructor-Reading Specialist, Office of Academic Services/Learning Resources Center, from 50% time at a salary of \$4,750 per year to 75% time at a salary of \$7,125 per year on a 10-month basis, effective October 1, 1974 through June 30, 1975.
Leroy R. Johnson	47. Change Leroy R. Johnson, Instructor, Racial and Ethnic Studies, from 50% time at a salary of \$6,850 per year to 75% time at a salary of \$10,275 per year on a 12-month basis, effective November 1, 1974 through September 15, 1975.
David A. Brian	48. Change David A. Brian, Microbiology and Public Health, from Research Associate at a salary of \$1,000 per month to Instructor, Microbiology and Public Health, at a salary of \$15,000 per year on a 12-month basis, effective October 14, 1974 through May 31, 1975.
Donald C. Sawyer	49. Change Donald C. Sawyer from Associate Professor, Small Animal Surgery and Medicine at \$25,700 per year, to Associate Professor, Small Animal Surgery and Medicine, and Acting Assistant Dean, Dean's Office, College of Veterinary Medicine and Continuing Education, at a salary of \$26,300 per year on a 12-month basis, effective October 1, 1974.
Hiram Kitchen	50. Change Hiram Kitchen from Professor, Biochemistry, and Associate Director, Center for Laboratory Animal Resources, to Professor, Biochemistry, and Acting Director, Center for Laboratory Resources, with an increase in salary to \$29,600 per year on a 12-month basis, effective September 1, 1974.
Tamara Brunnschweiler	51. Change Tamara Brunnschweiler from Bibliographer to Librarian, Libraries, effective October 1, 1974.
Maurice A. Crane	52. Change Maurice A. Crane from Professor, Humanities, and Curator, Libraries, to Professor, Humanities, and Librarian, Libraries, effective October 1, 1974.
Austin C. Shu	53. Change Austin C. Shu from Bibliographer to Librarian, Libraries, effective October 1, 1974.
Walter M. Urbain	54. Assignment of Walter M. Urbain, Professor, Food Science and Human Nutrition, to Overseas-Sao Paulo at an overseas salary of \$29,150 per year on a 12-month basis, effective July 8, 1974 through July 19, 1974.
Arthur L. Wells	55. Assignment of Arthur L. Wells, Specialist, Entomology, to Overseas-MSU/AID Uruguay Project at an overseas salary of \$17,710 per year on a 12-month basis, effective January 1, 1975 through March 31, 1975.
William A. Herzog	56. Assignment of William A. Herzog, Assistant Professor, MUCIA, Dean of International Studies and Programs, to Overseas-Colombia, effective October 1, 1974 through October 18, 1974, and to Overseas-Brazil effective October 19, 1974 through October 25, 1974.

A. PERSONNEL CHANGES, continued

November 15, 1974

Transfers and Changes in Assignment, cont.Transfers and
Changes in
Assignment, cont

57. Change Thomas C. Socolofsky from Computer Programmer C-T VIII to Programmer A-P 8, Agricultural Experiment Station, with an increase in salary to \$9,200 per year on a 12-month basis, effective October 1, 1974. Thomas C. Socolofsky
58. Change Elsa Whitford from Office Assistant C-T VIII to Supervisor Service I A-P 8, Agricultural Economics, with an increase in salary to \$9,200 per year on a 12-month basis, effective September 1, 1974. Elsa Whitford
59. Change Kathleen L. Muiruri from Laboratory Technician C-T VII to Research Assistant Natural/Health Science A-P 7, Food Science and Human Nutrition, with an increase in salary to \$9,200 per year on a 12-month basis, effective October 1, 1974. Kathleen L. Muiruri
60. Change Karen E. Hogg from Laboratory Technician C-T VIII to Senior Research Assistant Natural/Health Science A-P 9, Kellogg Biological Station, with an increase in salary to \$10,000 per year on a 12-month basis, effective November 1, 1974. Karen E. Hogg
61. Change Michael A. Rice from Sergeant to Lieutenant A-P 12, Protective Services, with an increase in salary to \$17,200 per year on a 12-month basis, effective November 1, 1974. Michael A. Rice
62. Change Nancy Jaehn from Medical Tech. C-T VII to Med. Technologist A-P 7, Health Center, half time, with an increase in salary to \$4,609 per year on a 12-month basis, effective October 1, 1974. Nancy Jaehn
63. Change Jimmie L. Alberts from Supervisor Service I - A-P 8 to Supervisor, Distribution Services/IMC - A-P 10, Instructional Media Center, with an increase in salary to \$12,500 per year on a 12-month basis, effective November 1, 1974. Jimmie L. Alberts
64. Change Elinor L. Mrachek from Producer-Director Assistant C-T VIII to Producer-Director II Telecommunications A-P 8, TV Broadcasting, with an increase in salary to \$9,400 per year on a 12-month basis, effective July 1, 1974. Elinor L. Mrachek
65. Change Robert Lockhart from Assistant Comptroller A-P 16, Vice President for Business and Finance, to Budget Officer A-P 17, Vice President for Business and Finance and Provost's Office, with an increase in salary to \$24,300 per year on a 12-month basis, effective November 1, 1974. Robert Lockhart
66. Change Jeanette E. Risdon from Office Assistant C-T X to Supervisor Unemployment Compensation A-P 9, Comptroller, with an increase in salary to \$10,800 per year on a 12-month basis, effective October 1, 1974. Jeanette E. Risdon
67. Change Don A. Perrin from Assistant Director to Acting Director, A-P 15, Data Processing, with an increase in salary to \$22,700 per year on a 12-month basis, effective October 15, 1974. Don A. Perrin
68. Change Alice M. Snell from Tab. Machine Operator C-T VI to Technical Writer A-P 8, Data Processing, with an increase in salary to \$9,200 per year on a 12-month basis, effective October 1, 1974. Alice M. Snell
69. Change Thomas A. Dutch from Manager, Brody Residence Halls, A-P 14, to Personnel and Training Adm. A-P 16, Housing and Food Services, with an increase in salary to \$22,000 per year on a 12-month basis, effective November 1, 1974. Thomas A. Dutch
70. Change Donald W. Coon from Supervisor Service III A-P 11, to Senior Supervisor Service A-P 13, Physical Plant, with an increase in salary to \$17,500 per year on a 12-month basis, effective November 1, 1974. Donald W. Coon
71. Transfer Eugenia Zerbinos from Assistant Editor A-P 8, Center for Urban Affairs, to Senior University Information Officer A-P 12, Information Services, with an increase in salary to \$13,300 per year on a 12-month basis, effective November 15, 1974. Eugenia Zerbinos
72. Change Norman Gaylord from Health-Physicist Technician C-T X to Radiation Safety Officer A-P 10, Safety Services, with an increase in salary to \$11,500 per year on a 12-month basis, effective December 1, 1974. Norman Gaylord
73. Change John Haslem from Safety Officer Pest Control C-T XI to Supervisor Pest Control A-P 11, Safety Services, with an increase in salary to \$12,250 per year on a 12-month basis, effective December 1, 1974. John Haslem
74. Change Russell P. Moore from Radiation Monitor C-T XI to Radiation Safety Officer A-P 10, Safety Services, with an increase in salary to \$12,100 per year on a 12-month basis, effective December 1, 1974. Russell P. Moore
75. Change Eric V. A. Winston from Assistant Professor and Director-Office of Student Affairs, to Assistant Professor and Assistant Dean, Office of Student Affairs, College of Urban Development, with an increase in salary to \$20,000 per year on a 12-month basis, effective October 1, 1974. Eric V. A. Winston

A. PERSONNEL CHANGES, continued

November 15, 1974

Promotions

Promotions

1. Change of title from Instructor to Assistant Professor and Acting Director, School of Medical Technology, for Christiana S. Blume and an increase in salary to \$16,775 per year on a 12-month basis, effective September 1, 1974.
2. Change of title from Instructor to Assistant Professor, Sociology, for Kay Snyder, and an increase in salary to \$13,000 per year on a 10-month basis, effective September 1, 1974.

Salary
ChangesSalary Changes

1. Increase in salary for Jerry K. Stonewater, Specialist, Dean's Office, College of Engineering, to \$12,500 per year on a 12-month basis, effective October 1, 1974 through June 30, 1975.
2. Increase in salary for Harold C. Grossman, Instructor, Lyman Briggs College and Department of Computer Science, to \$12,000 per year on a 10-month basis, effective October 1, 1974 through August 31, 1975.
3. Increase in salary for Wesley D. Bonds, Specialist, Chemistry, to \$12,000 per year on a 12-month basis, effective October 1, 1974 through December 31, 1974.
4. Increase in salary for Mario Garza, Specialist, Office of Special Programs, to \$11,850 per year on a 12-month basis, effective March 1, 1975 through June 30, 1975.
5. Increase in salary for Sylvia Jackson, Specialist, Office of Special Programs, to \$12,900 per year on a 12-month basis, effective October 1, 1974 through June 30, 1975.
6. Increase in salary for Laura Shiro, Specialist, Office of Special Programs, to \$12,900 per year on a 12-month basis, effective January 1, 1975 through June 30, 1975.
7. Increase in salary for M. Rita Day, Assistant Cashier A-P 10, Comptroller's Office, to \$13,500 per year on a 12-month basis, effective December 1, 1974.
8. Increase in salary for Jack Skidmore, Manager, Student Fees and Scholarships, A-P 13, Comptroller's Office, to \$16,200 per year on a 12-month basis, effective December 1, 1974.
9. Increase in salary for Richard L. Howe, Assistant Director A-P 14, Research and Contract Administration, to \$18,500 per year on a 12-month basis, effective December 1, 1974.

Appointments

Appointments

1. George W. Atkeson, Extension Agricultural Agent, Huron County, at a salary of \$16,500 per year on a 12-month basis, effective December 15, 1974.
2. Ann Marie Marion, Extension Home Economist, Kalamazoo and St. Joseph counties, 60% time, at a salary of \$6,300 per year on a 12-month basis, effective November 18, 1974.
3. Wayne H. Nierman, County Extension Director, Oakland County, at a salary of \$23,500 per year on a 12-month basis, effective December 1, 1974.
4. Janet C. Richardson, Extension Home Economist, Kalamazoo and St. Joseph counties, at a salary of \$12,000 per year on a 12-month basis, effective November 15, 1974.
5. Joyce L. VanBenschoten, Extension 4-H Youth Agent, Lenawee, Monroe, and Washtenaw counties, at a salary of \$12,500 per year on a 12-month basis, effective November 15, 1974.
6. Tecle Tesfai, Assistant Professor, Agricultural Economics, at a salary of \$1,333 per month on a 12-month basis, effective November 1, 1974 through November 30, 1974.
7. Satoshi Ariga, Research Associate, Animal Husbandry, at a salary of \$9,000 per year on a 12-month basis, effective January 1, 1975 through December 31, 1975.
8. George J. Hogaboam, Adjunct Associate Professor, Crop and Soil Sciences, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
9. Charles R. Olien, Adjunct Professor, Crop and Soil Sciences, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
10. David H. Smith, Jr., Adjunct Associate Professor, Crop and Soil Sciences, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
11. Freeman W. Snyder, Adjunct Associate Professor, Crop and Soil Sciences, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
12. Helen Wagner, Visiting Instructor, English, 50% time, at a salary of \$1,200 for the period January 1, 1975 through March 31, 1975.
13. Rachel M. Costa, Assistant Professor, Linguistics and Oriental and African Languages, at a salary of \$4,000 for the period April 1, 1975 through June 30, 1975.

A. PERSONNEL CHANGES, continued

November 15, 1974

Appointments, cont.

Appointments

14. E. Dawson Fisher, Consultant, Dean's Office, College of Business, 50% time, at a salary of \$700 for the period October 14, 1974 through October 28, 1974.
15. Paulette I. Piirainen, Instructor, Audiology and Speech Sciences, 50% time, at a salary of \$3,780 for the period October 1, 1974 through June 30, 1975.
16. Malcolm Katz, Adjunct Professor, Dean's Office, College of Education, without pay, effective November 1, 1974 through June 30, 1975.
17. Paul G. Vogel, Assistant Professor, Health, Physical Education and Recreation, at a salary of \$17,600 per year on a 12-month basis, effective September 1, 1974 through June 30, 1975.
18. Rebecca Berry Jost, Specialist, Dean's Office, College of Engineering, at a salary of \$9,200 per year on a 12-month basis, effective October 1, 1974 through June 30, 1975.
19. Jenny Lou Johnson, Assistant Professor, Food Science and Human Nutrition and Department of Human Development, 75% time, at a salary of \$8,900 for the period September 16, 1974 through June 30, 1975.
20. Dhirajlal Makdani, Research Associate, Food Science and Human Nutrition, at a salary of \$10,000 per year on a 12-month basis, effective November 1, 1974 through January 31, 1975.
21. Alice A. Spangler, Adjunct Assistant Professor, Food Science and Human Nutrition, 40% time, without pay, effective September 1, 1974 through June 30, 1975.
22. Kent Sissel, Instructor, Human Environment and Design, at a salary of \$4,000 for the period March 16, 1975 through June 15, 1975.
23. Carolyn Weed, Instructor, Human Environment and Design, and Dean's Office, College of Engineering, 50% time, at a salary of \$2,100 for the period September 1, 1974 through December 31, 1974.
24. Roy J. Gerard, Professor and Chairman, Family Practice, 50% time, at a salary of \$25,000 per year on a 12-month basis, effective November 1, 1974 through December 31, 1974.
25. David M. Holden, Associate Professor and Assistant Dean for Lansing, Dean's Office, College of Human Medicine, Human Development, and Family Practice, in the tenure system, at a salary of \$40,500 per year on a 12-month basis, effective November 1, 1974.
26. Jon E. Desguin, Assistant Professor, Family Practice, 20% time, at a salary of \$5,200 per year on a 12-month basis, effective November 1, 1974 through June 30, 1975.
27. Robert Stelle, Associate Clinical Professor, Family Practice, var. time, without pay on a 12-month basis, effective September 1, 1974 through June 30, 1975.
28. Daniel P. Radawski, Research Associate, Physiology, 20% time, at a salary of \$2,700 per year on a 12-month basis, effective September 1, 1974 through December 31, 1974.
29. John C. Yeager, Postdoctoral Fellow, Physiology, at a salary of \$541.66 per month on a 12-month basis, effective October 7, 1974 through June 30, 1975.
30. Gerald Guy Osborn, Postdoctoral Fellow, Psychiatry, at a salary of \$13,600 per year on a 12-month basis, effective September 1, 1974 through June 30, 1975.
31. David M. Price, Assistant Professor, Psychiatry, at a salary of \$19,000 per year on a 12-month basis, effective October 17, 1974 through June 30, 1975.
32. Martine Zucker, Assistant Professor, Psychiatry, 50% time, at a salary of \$8,250 per year on a 12-month basis, effective October 1, 1974 through June 30, 1975.
33. Madhukar M. Bansod, Visiting Professor, Surgery, 25% time, at a salary of \$10,000 per year on a 12-month basis, effective October 1, 1974 through June 30, 1975.
34. Roy T. Bergman, Assistant Clinical Professor, Surgery, var. time, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
35. William S. Egerton, Visiting Professor, Surgery, 25% time, at a salary of \$10,000 per year on a 12-month basis, effective October 1, 1974 through June 30, 1975.
36. Frederick Paritee, Specialist, Dean's Office, College of Natural Science, 50% time, at a salary of \$5,000 for the period October 1, 1974 through June 30, 1975.
37. Bernhard Lippert, Adjunct Assistant Professor, Biophysics, without pay on a 12-month basis, effective September 1, 1974 through August 31, 1975.

A. PERSONNEL CHANGES, continued

November 15, 1974

Appointments

Appointments, cont.

38. Loretta L. VanCamp, Specialist, Biophysics, with job security, at a salary of \$13,450 per year on a 12-month basis, effective October 1, 1974.
39. Garrett E. Crow, Research Associate, Botany and Plant Pathology, without pay on a 12-month basis, effective September 16, 1974 through June 15, 1975.
40. Ravinder K. Gupta, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective October 1, 1974 through September 30, 1975.
41. Mikio Suzuki, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective October 1, 1974 through March 31, 1975.
42. Donald Showers, Instructor, Mathematics, 50% time, at a salary of \$1,800 for the period September 1, 1974 through December 31, 1974.
43. Ranjan K. Bhowmik, Specialist, Cyclotron, at a salary of \$10,500 per year on a 12-month basis, effective November 1, 1974 through October 31, 1975.
44. Amnon Moalem, Research Associate, Cyclotron, at a salary of \$10,000 per year on a 12-month basis, effective October 1, 1974 through October 29, 1974.
45. Clare Ben Morgan, Specialist, Cyclotron, at a salary of \$10,500 per year on a 12-month basis, effective January 1, 1975 through December 31, 1975.
46. Herbert H. Caswell, Research Associate, Zoology, at a salary of \$12,000 per year on a 12-month basis, effective September 19, 1974 through September 18, 1975.
47. Susan D. Hill, Research Associate, Zoology, 50% time, at a salary of \$4,320 for the period October 1, 1974 through August 31, 1975.
48. Carolyn Waugh Burns, Visiting Associate Professor, Kellogg Biological Station, without pay, effective September 1, 1974 through May 15, 1975.
49. Peter J. DeJong, Visiting Associate Professor, Kellogg Biological Station, without pay, effective September 1, 1974 through January 31, 1975.
50. Patricia Ann Lane, Adjunct Assistant Professor, Kellogg Biological Station, without pay on a 12-month basis, effective September 1, 1974 through August 31, 1975.
51. Stuart F. Mitchell, Visiting Associate Professor, Kellogg Biological Station, without pay, effective September 1, 1974 through February 28, 1975.
52. Robert D. Aumaugher, Instructor, Dean's Office, College of Osteopathic Medicine, and Community Medicine, 60% time, at a salary of \$600 per month on a 12-month basis, effective November 1, 1974 through June 30, 1975.
53. Judy Shieh Chen, Research Associate, Biomechanics, at a salary of \$10,000 per year on a 12-month basis, effective October 1, 1974 through February 28, 1975.
54. Gerald E. McCleary, Specialist, Community Medicine, at a salary of \$666.67 per month, effective November 1, 1974 through January 31, 1975.
55. Patricia G. McCleary, Specialist, Community Medicine, at a salary of \$666.67 per month on a 12-month basis, effective November 6, 1974 through January 31, 1975.
56. Paul R. Anderson, Clinical Assistant Professor, Family Medicine, var. time, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
57. Michael F. Brooks, Clinical Assistant Professor, Family Medicine, var. time, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
58. R. David Brooks, Clinical Assistant Professor, Family Medicine, var. time, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
59. Charles L. Miller, Clinical Assistant Professor, Family Medicine, var. time, without pay on a 12-month basis, effective November 1, 1974 through June 30, 1975.
60. James E. Smith, Clinical Assistant Professor, Family Medicine, var. time, without pay on a 12-month basis, effective July 1, 1974 through June 30, 1975.
61. Hal A. Williams, Clinical Assistant Professor, Family Medicine, var. time, without pay on a 12-month basis, effective October 1, 1974 through June 30, 1975.
62. Robert A. Guild, Associate Professor, Osteopathic Medicine, in the tenure system, at a salary of \$38,000 per year on a 12-month basis, effective December 1, 1974.
63. Christine Force, Specialist, Geography, at a salary of \$4,500 for the period January 1, 1975 through June 30, 1975.

A. PERSONNEL CHANGES, continued

November 15, 1974

Appointments, cont.

Appointments

64. David A. Brian, Research Associate, Microbiology and Public Health, at a salary of \$1,000 per month on a 12-month basis, effective September 16, 1974 through May 31, 1975.
65. Frank A. Kutyna, Assistant Professor, Physiology, at a salary of \$15,000 per year on a 12-month basis, effective November 1, 1974 through November 30, 1974.
66. Lorel Keese Evans, Instructor, Small Animal Surgery and Medicine, 50% time, at a salary of \$8,250 per year on a 12-month basis, effective November 1, 1974 through June 30, 1975.
67. James D. Harkness, Specialist, President's Office, at a salary of \$1,030 per month on a 12-month basis, effective November 4, 1974 through June 30, 1975.

Faculty Tenure Recommendations

Tenure Actions

Most of the recommendations for faculty members whose current probationary appointments in the tenure system end on August 31, 1975 were made at the meeting on May 17, 1974. The faculty members named in these lists are those for whom tenure action was delayed last spring so that no one would be disadvantaged by the advancement from fall to spring of the tenure recommendations.

1. The following actions are recommended by the departmental chairmen and the deans in accordance with the tenure rules:
 - a. Associate Professors who acquire tenure with the reappointment, effective September 1, 1975:

John F. Dunkel	Pathology
Ronald A. Black	Dean's Office, Osteopathic Medicine; Television and Radio
 - b. Assistant Professors who acquire tenure with the reappointment, effective September 1, 1975:

James L. Gibson	Institute of Agricultural Technology
Donald P. Cushman	Communication
 - c. Second probationary appointment as Assistant Professor for three years from September 1, 1975:

Donald F. Holecsek	Park and Recreation Resources
Louise A. Tilly	History
Peter M. Gladhart	Family Ecology; Resource Development
John D. Hoban	Medical Education Research and Development
Gene R. Safir	Botany and Plant Pathology
Frances K. Hollers	Nursing
Leighton A. Price	Computer Institute for Social Science Research
 - d. Third probationary appointment as Instructor for a period of three years from September 1, 1975:

Norma Jackson	Nursing
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 - e. Second probationary appointment as Instructor for a period of two years from September 1, 1975:

Barbara J. Braathen	Art
Edward L. Fink	Communication
Jack B. Gladden	Journalism
Suzanne P. Budd	Nursing
Mary L. Kendrigan	Social Science

On motion by Trustee Huff, seconded by Trustee Carrigan, it was unanimously voted to approve the Resignations, Leaves, Transfers and Changes in Assignment, Promotions, Salary Changes, Appointments, and Faculty Tenure Recommendations.

A. PERSONNEL CHANGES, continued

November 15, 1974

Personnel
RecommendationsPersonnel Recommendations

It is recommended that the following positions be established:

1. Principal Technician C-T XI for the Department of Forestry
2. Departmental Secretary C-T V for the Dean's Office, College of Communication Arts
3. Departmental Secretary C-T V for the Dean's Office, Justin Morrill College
4. One-half time Senior Clerk-Stenographer C-T V for Microbiology and Public Health, College of Osteopathic Medicine
5. One-half time Administrative Assistant I A-P 8 for the Dean's Office, College of Urban Development
6. Administrative Assistant I A-P 8 for Urban and Metropolitan Studies
7. Student Advisor A-P 8 for the Dean's Office, College of Veterinary Medicine
8. Departmental Secretary C-T V for the Instructional Media Center
9. Compensation Analyst A-P 11 for Employee Compensation and Benefits
10. 2 Personnel Representative A-P 10 for the Personnel Office
11. Senior Clerk C-T IV for the Counseling Center
12. For the MSU Development Fund:
 - a. Associate Director Development A-P 16
 - b. Senior Clerk-Stenographer C-T V

The following position reclassifications and other changes are recommended:

1. For Family Living Education, Cooperative Extension Service:
 - a. Reclassify a Senior Departmental Secretary C-T VII to an Office Assistant C-T VIII
 - b. Reclassify a Departmental Secretary C-T V to a Principal Clerk C-T VI
2. Transfer an Agricultural Technician C-T VIII position from the hourly to the salary payroll for Agricultural Engineering
3. Reclassify a Research Aide C-T IV to an Aquatic Biology Technician C-T IX position and change from 85% time to 100% time for Fisheries and Wildlife
4. Reclassify a Departmental Secretary C-T V to a Senior Departmental Secretary C-T VII position for the Dean's Office, College of Communication Arts, and Continuing Education
5. Reclassify a 75% time Departmental Secretary C-T V to a 75% time Senior Departmental Secretary C-T VII position for the Dean's Office, College of Human Ecology, and Continuing Education
6. Reclassify a Senior Clerk C-T IV to a Senior Accounting Clerk C-T V position for the Dean's Office, College of Human Medicine
7. Reclassify a Senior Clerk-Stenographer C-T V to a Principal Clerk C-T VI position for the Department of Surgery
8. For the Office of Health Services Education and Research:
 - a. Reclassify a Research Assistant C-T VIII to a Research Assistant/Social Science A-P 7 position
 - b. Reclassify an Office Supervisor from a C-T VIII to a C-T IX position
9. Reclassify a Principal Clerk C-T VI to a Senior Departmental Secretary C-T VII position for the School of Nursing
10. Reclassify a Senior Clerk C-T IV to a Departmental Secretary C-T V position for Admissions and Scholarships
11. Reclassify a Supervisor Service I A-P 8 to a Supervisor Distribution Services A-P 10 position for the Instructional Media Center
12. Reclassify a Supervisor Traffic and Scheduling from an A-P 9 to an A-P 10 position for Instructional Television Services
13. Reclassify a Producer-Director Assistant C-T VIII to a Producer-Director Telecommunications II A-P 8 position for Television Broadcasting
14. Reclassify a Supervisor Service III A-P 11 to a Senior Supervisor Service A-P 13 position for Physical Plant
15. For Safety Services:
 - a. Reclassify a Safety Officer Pest Control C-T XI to a Supervisor Pest Control A-P 11 position
 - b. Reclassify a Health Physicist Technician C-T XI to a Radiation Safety Officer A-P 10 position
 - c. Reclassify a Radiation Monitor C-T XI to a Radiation Safety Officer A-P 10 position

Motion was made by Trustee Carrigan, seconded by Trustee Thompson, and unanimously carried to approve the Personnel Recommendations.

Retirements

Retirements

1. Retirement of Lucy M. Curtis, Junior Librarian, Libraries, effective December 1, 1974. Mrs. Curtis was born April 1, 1907 and has been employed by the University since October 13, 1959.
2. Disability retirement for Cora Green, Food Service Worker, Kellogg Center, effective September 1, 1974. Mrs. Green was born January 3, 1912 and has been employed by the University since January 2, 1964.
3. Retirement of Lelah F. Gross, Senior Baker, Kellogg Center, effective November 1, 1974. Mrs. Gross was born December 19, 1908 and has been employed by the University since February 13, 1957.
4. Retirement of Eva O. Hartzell, Telephone Operator, Physical Plant, effective December 1, 1974. Mrs. Hartzell was born September 21, 1909 and has been employed by the University since February 11, 1959.

A. PERSONNEL CHANGES, continued

November 15, 1974

Retirements, cont.

Retirements

5. One-year consultantship with agreed-upon duties and responsibilities for Robert F. McCauley, Associate Professor, Department of Civil and Sanitary Engineering, from January 1, 1975 through December 31, 1975 and retirement as Associate Professor Emeritus effective January 1, 1976. Professor McCauley was born August 31, 1913 and has been a member of the faculty since September 1, 1947.
6. Retirement of L. Robert Montgomery as Associate Professor Emeritus, Department of Large Animal Surgery and Medicine, effective December 16, 1974. Professor Montgomery was born September 29, 1915 and has been a member of the faculty since June 1, 1951.
7. One-year consultantship with agreed-upon duties and responsibilities for William H. Pipes, Professor, Department of American Thought and Language, from January 1, 1976 through December 31, 1976, and retirement as Professor Emeritus effective January 1, 1977. Professor Pipes was born January 3, 1912 and has been a member of the faculty since September 1, 1957.

On motion by Trustee Merriman, seconded by Trustee Stevens, it was unanimously voted to approve the Retirements.

Deaths

Deaths

1. Report of the death of S. Elisabeth Morrison on September 27, 1974. Miss Morrison was born December 1, 1891, was employed on January 1, 1920, and was Instructor in Physics at the time of her retirement July 1, 1950.
2. Report of the death of Harry A. Johnston, Maintenance III, Married Housing, October 15, 1974. Mr. Johnston was born December 18, 1912 and had been employed by the University since October 5, 1948.
3. Report of the death of Helen T. Reeves on October 17, 1974. Mrs. Reeves was born November 23, 1902, was employed on December 1, 1945, and was a Housekeeper in Housing and Food Services at the time of her retirement July 1, 1967.
4. Report of the death of Paul S. Lucas on October 19, 1974. Mr. Lucas was born November 21, 1890, was employed on July 1, 1922, and was an Associate Professor in Dairy at the time of his retirement July 1, 1959.
5. Report of the death of Jethro Veatch on October 13, 1974. Mr. Veatch was born August 21, 1883, was employed on August 21, 1921, and was Professor of Soil Science at the time of his retirement July 1, 1949.

B. GIFTS AND GRANTS

Gifts and Grants

1. Gift of a cab for a 4-wheel drive tractor valued at \$500 from J. I. Case Company, Indianapolis, Indiana, to be used in teaching and research in the Department of Agricultural Engineering.
2. Gift of a library of professional books valued at \$2,500 from Charles F. Schuller, Sarasota, Florida, to be used by advanced graduate students in instructional development and technology in the Department of Secondary Education and Curriculum.
3. Gift of two slide cabinets, one stereo dissecting microscope, one 35mm camera, and a copy stand with a total value of \$1,290 from the University of Texas Medical Branch, Galveston, Texas, to be used for research under the direction of Lawrence M. Ross in the Department of Anatomy.
4. Gift of library books, quality paper, and trade paper with a total value of \$247 from Timothy Hennessey to be placed in the Department of Political Science Graduate Student Library.
5. Gift of a *Malus astrosanguinea* (flowering crab) valued at \$50 from Cottage Gardens, Inc., Nursery, Lansing, Michigan, to be used by Campus Park and Planning for campus beautification.
6. Grants to be used for scholarship purposes as follows:
 - a. From the Department of Health, Education, and Welfare, Bethesda, Maryland:
 - \$107,927 to provide loan assistance to students in the College of Human Medicine
 - \$29,134 to provide scholarships in the College of Human Medicine
 - \$24,211 to provide loan assistance to students in the School of Nursing
 - \$12,421 to provide scholarships in the School of Nursing
 - \$66,459 to provide loan assistance to students in the College of Osteopathic Medicine
 - \$12,625 to provide scholarships in the College of Osteopathic Medicine
 - \$93,729 to provide loan assistance to students in the College of Veterinary Medicine
 - \$29,619 to provide scholarships in the College of Veterinary Medicine
 - b. \$35,000 from the William and Sarah E. Hinman Endowment Fund, Lansing, to provide scholarships and fellowships for 1974-75
 - c. \$2,000 from the Estate of Mabel C. Huggins, Lansing, to be used for establishing scholarship funds
 - d. \$1,600 from The Farmers' Advance, Inc., Camden, for students in the College of Agriculture and Natural Resources

B. GIFTS AND GRANTS, continued

November 15, 1974

6. Grants to be used for scholarship purposes, cont.
 - e. For recipients to be selected by the Institute of Agricultural Technology:
 - \$1,800 from Farm Bureau Services Inc., Lansing
 - \$500 from Michigan DHIA, Inc., East Lansing
 - \$1,000 from MMPA, Detroit
 - \$100 from the Tolono Junior Service Club, Tolono, Ill.
 - \$25 from Weaver & Lingg, Inc., Sturgis
 - \$20 from Waldron Implement Co., Waldron
 - \$25 from Johnson and Sons, Ithaca
 - f. \$100 from Harold A. Henneman, East Lansing, for Livestock Industries Scholarship Fund
 - g. \$200 from The Presser Foundation, Bryn Mawr, Pa., for students who hope to become teachers in music
 - h. \$1,500 from The Pick Congress, Chicago, for students in the School of Hotel, Restaurant, and Institutional Management
 - i. For the School of Journalism-State News Summer Journalism Workshop:
 - \$500 from Panax Corporation, East Lansing
 - \$250 from The State News, East Lansing
 - j. \$6,000 from the Schlumberger Foundation, Houston: \$4,500 for students in the College of Engineering; \$1,500 as an unrestricted grant
 - k. \$10 from John F. Dunkel, East Lansing, for the College of Human Medicine Scholarship Fund in memory of John Wellman
 - l. \$30.10 from D. C. Heath & Co., Lexington, Mass., royalties to be applied to the Manpower Studies Scholarship Fund in the School of Labor and Industrial Relations
 - m. \$700 from the Southern Michigan Obedience Training Club, Detroit, for veterinary students
 - n. \$50 from the Sigma Chi Foundation, Evanston, Illinois, to establish emergency fund to assist students experiencing small unexpected expenses, with preference given to members of fraternities or sororities
 - o. \$1,000 from the Crown Zellerbach Foundation, San Francisco, as an unrestricted grant
 - p. \$300 from the Gulf Oil Foundation, Pittsburgh, Pa., as an unrestricted grant
 - q. \$33.34 from the Maytag Company Foundation, Inc., Newton, Iowa, as an unrestricted grant
7. Grants as follows for the MSU Development Fund:
 - a. \$5.00 from Mark Fields, Columbus, Ohio, for Crop Science Turfgrass
 - b. \$15 from Harold Webster, Hickory Corners, for the Kellogg Farm account
 - c. \$300 from an anonymous donor: \$100 for the Art Department, \$100 for the English Department, and \$100 for the Humanities Department
 - d. \$25 from Gale Newell, Kalamazoo, for Accounting and Financial Administration
 - e. \$650 from various donors for the Michigan Osteopathic Society Long Term Loan Fund
 - f. \$2,199.50 from various donors in Aurora, Ill., to defray costs of any graduate or undergraduate student from Aurora police department who enrolls in the School of Criminal Justice
 - g. \$500 from the Whirlpool Foundation, Benton Harbor, for the Urban Planning Award, matching a gift from Otto Krauss
 - h. \$10 from Leighton A. Price, East Lansing, for the Computer Institute for Social Science Research
 - i. \$12,105.52 from various donors for the departments of Pathology and Microbiology and Public Health for the study of bovine respiratory diseases
 - j. \$200 from Dr. and Mrs. O. L. Smith, Bloomfield Hills, for veterinary orthopedics
 - k. \$354.78 from the Jaxon Kennel Club, Inc., Cement City, for the purchase of an ASIF Air Drill for use in Small Animal Surgery and Medicine
 - l. \$10 from the Zonta Club of Lansing for the C.V.I.P. Scholarship Fund
 - m. For baseball:
 - \$35 from Jon C. Davis, Dearborn
 - \$25 from Charles S. Dunford, East Lansing
 - \$125 from H. & S. Foods, Inc., Lansing
 - n. For football:
 - \$10 from James Danyo, Melvindale
 - \$500 from Harold McClure, Alma, for the Football Bust
 - \$2,775 from various donors for the Football Bust
 - o. For hockey:
 - \$125 from the Automobile Club of Michigan, Dearborn
 - \$250 from Donald D. Griffin, Lansing
 - p. \$100 from Melvin C. Buschman, East Lansing, for women's tennis and golf
 - q. \$1,000 from Paul Revere's Bar, East Lansing; \$500 for football, \$200 for baseball, \$100 for cross country, \$100 for hockey, and \$100 for basketball
 - r. \$50 from Jodie M. Knofsky, Lancaster, Pa., for the Office of Student Affairs
 - s. \$10 from Jacquelyn Sieb, Livonia, for the Volunteer Bureau
 - t. For the Mildred B. Erickson Fellowship:
 - \$95 from Cora A. Swartz, Okemos
 - \$125 from various donors
 - u. \$35 from Katherine M. Gulash, Gaines: \$25 for the John Gulash Memorial Scholarship, \$10 for the Development Fund
 - v. \$1,400 from various donors for the Purchasing Development Fund

B. GIFTS AND GRANTS, continued

November 15, 1974

Gifts and
Grants

8. Grant of \$40,000 from ACTION/Peace Corps, Washington, D.C., to be used under the direction of C. W. Laughlin in Resident Instruction, College of Agriculture and Natural Resources, to prepare technically oriented persons for technical positions in the Peace Corps to serve in the Philippines, Nepal, and Thailand areas.
9. Grant of \$200 from Michigan Bean Shippers Association, Saginaw, Michigan, to be used under the direction of N. A. Brown in the 4-H Youth Programs for expenses at the National 4-H Club Congress to be held December 1-5, 1974.
10. Grant of \$4,517.64 from Michigan 4-H Foundation, East Lansing, Michigan, to be used under the direction of N. A. Brown in 4-H Youth Programs as third quarter grant from Foundation.
11. Grant of \$8,013.59 from Michigan 4-H Foundation, East Lansing, Michigan, to be used under the direction of N. A. Brown in the 4-H Youth Programs as fourth quarter grant.
12. Grant of \$99,878 from Agency for International Development, Washington, D.C., to be used under the direction of K. Harrison in the Department of Agricultural Economics for research and to assist the Government of Costa Rica in developing and implementing national agricultural marketing policies, plans, and programs.
13. Grant of \$72,936 from U.S. Congress, Office of Technology Assessment, Washington, D.C., to be used under the direction of G. L. Johnson in the Department of Agricultural Economics for a technological assessment of U.S. Food, Nutrition, and Agricultural Information Systems.
14. Grant of \$10,000 from U.S. Department of Agriculture, Washington, D.C., to be used under the direction of V. Sorenson in the Department of Agricultural Economics for an analysis of economics and policy conditions that affect world sugar trade.
15. Grant of \$5,700 from U.S. Department of Agriculture, Washington, D.C., to be used under the direction of J. B. Johnson in the Department of Agricultural Economics to analyze demand for meat and other products in selected industrialized countries.
16. Grant of \$7,297 from Michigan Blueberry Growers Association, Grand Junction, Michigan, to be used under the direction of C. M. Hansen in the Department of Agricultural Engineering for research dealing with the rejuvenation of blueberry plants.
17. Grant of \$1,000 from The Upjohn Company, Kalamazoo, Michigan, to be used under the direction of J. B. Gerrish in the Department of Agricultural Engineering for the purpose of evaluating what effect a particular fungicide might have on a municipal waste water treatment plant.
18. Grant of \$6,700 from Upper Great Lakes Regional Commission, Washington, D.C., to be used under the direction of C. M. Hansen in the Department of Agricultural Engineering to continue engineering evaluation and redesign of feeding systems for MSU cherry pitter.
19. Grant of \$16,000 from Calor Agriculture Research, Okemos, Michigan, to be used under the direction of D. G. Fox in the Department of Animal Husbandry to conduct a feeding and metabolic trial using fermented, ammoniated condensed whey compared to other nitrogen sources.
20. Grant of \$10,000 from Calor Agriculture Research, Okemos, Michigan, to be used under the direction of D. G. Fox in the Department of Animal Husbandry to produce 12 tons of fermented, ammoniated condensed whey supplement for use in feeding trials at MSU and two or three other universities.
21. Grant of \$25,000 from Ruminant Nitrogen Products Company, Okemos, Michigan, to be used under the direction of D. G. Fox in the Department of Animal Husbandry to carry out cattle feeding trials with various sources and levels of protein supplement.
22. Grant of \$2,000 from Select Sires, Plain City, Ohio, to be used under the direction of H. D. Ritchie in the Department of Animal Husbandry to provide support of research dealing with heat synchronization in beef cattle.
23. Grant of \$32,972 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of R. Barker in the Department of Biochemistry for oligosaccharide synthesis and glyucose rearrangements.
24. Grant of \$1,000 from W. A. Cleary Corporation, New Brunswick, New Jersey, to be used under the direction of J. M. Vargas, Jr., in the Department of Botany and Plant Pathology to evaluate Cleary Corporation experimental fungicides for turf grass disease control.
25. Grant of \$500 from E. I. duPont deNemours & Company Incorporated, Wilmington, Delaware, to be used under the direction of E. J. Klos in the Department of Botany and Plant Pathology to study the fungicidal activity of DPX 10 and DPX 112 against *Venturia inaequalis* and *Coccomyces hiemalis*.
26. Grant of \$1,000 from Rhodia Inc., New York, New York, to be used under the direction of A. L. Jones in the Department of Botany and Plant Pathology to evaluate experimental fungicide RP 26019 for brown rot and cherry leaf spot on sweet and tart cherries.

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B. GIFTS AND GRANTS, continued

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27. Grant of \$1,000 from Abitibi Corporation, Alpena, Michigan, to be used under the direction of L. W. Jacobs in the Department of Crop and Soil Sciences for general support of field demonstrations in utilizing industrial wastewaters on agricultural lands. The data generated in this study, along with data from other similar research, will help provide basic information on applying wastewaters to Michigan soils.
28. Grant of \$7,000 from Farmers & Manufacturers Beet Sugar Association, Saginaw, Michigan, to be used under the direction of D. Christenson in the Department of Crop and Soil Sciences for support of a graduate student who will support Dr. Christenson's program in soil fertility and micronutrient studies.
29. Grant of \$5,500 from Farmers & Manufacturers Beet Sugar Association, Saginaw, Michigan, to be used under the direction of G. Hogaboam in the Department of Crop and Soil Sciences for partial salary support for a technician for sugarbeet storage work.
30. Grant of \$1,000 from Jacklin Seed Company, Spokane, Washington, to be used under the direction of J. B. Beard in the Department of Crop and Soil Sciences for acrylamide disc gel electrophoretic identification of grass cultivars.
31. Grant of \$1,000 from Michigan Bean Commission, Lansing, Michigan, to be used under the direction of D. D. Harpstead in the Department of Crop and Soil Sciences to support bean research.
32. Grant of \$2,500 from Michigan Brewers' Association, Detroit, Michigan, to be used under the direction of J. E. Grafius in the Department of Crop and Soil Sciences to conduct the research and development of Michigan malting barley.
33. Grant of \$10,000 from Monsanto, St. Louis, Missouri, to be used under the direction of P. Carlson in the Department of Crop and Soil Sciences to develop new methods and technologies for plant breeding by utilizing in vitro tissue cultures.
34. Grant of \$47,000 from The Rockefeller Foundation, New York, New York, to be used under the direction of M. W. Adams in the Department of Crop and Soil Sciences for plant architecture and physiological efficiency in the field bean.
35. Grant of \$1,000 from Wolverine World Wide, Rockford, Michigan, to be used under the direction of P. Rieke in the Department of Crop and Soil Sciences to support turfgrass research.
36. Grant of \$12,000 from Calor Agriculture Research, Okemos, Michigan, to be used under the direction of J. T. Huber in the Department of Dairy Science to evaluate fermented ammoniated whey as a protein source for lactating cows.
37. Grant of \$3,000 from Calor Agriculture Research, Okemos, Michigan, to be used under the direction of J. T. Huber in the Department of Dairy Science to be used as an unrestricted grant in support of the overall research program for Dr. Huber.
38. Grant of \$2,000 from Dow Chemical Company, Midland, Michigan, to be used under the direction of C.A. Lassiter in the Department of Dairy Science for participation in dairy chore reduction program.
39. Grant of \$15,000 from Farm Credit Banks of St. Paul, St. Paul, Minnesota, to be used under the direction of C. A. Lassiter in the Department of Dairy Science for dairy chore reduction program.
40. Grant of \$1,500 from Michigan Dairy Memorial and Scholarship Foundation, East Lansing, Michigan, to be used under the direction of C. A. Lassiter in the Department of Dairy Science for support of scholarships.
41. Grant of \$1,500 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of E. M. Convey in the Department of Dairy Science to determine factors which control prolactin secretion in dairy cattle.
42. Grant of \$10,460 from Ruminant Nitrogen Products Company, Okemos, Michigan, to be used under the direction of J. T. Huber in the Department of Dairy Science to determine the efficacy of treating corn silage with ammonia water and aqua ammonia.
43. Grant of \$2,560 from Ruminant Nitrogen Products Company, Okemos, Michigan, to be used under the direction of J. T. Huber in the Department of Dairy Science to establish the recovery of ammonia in corn silage treated with ammonia-water at 37-42% dry matter.
44. Grant of \$450 from Diamond Shamrock Chemical Company, Cleveland, Ohio, to be used under the direction of A. Howitt in the Department of Entomology for apple research.
45. Grant of \$800 from Procter & Gamble Company, Cincinnati, Ohio, to be used under the direction of A. Howitt in the Department of Entomology for miticide research.
46. Grant of \$300 from Cherry Central Co-op. Inc., Traverse City, Michigan, to be used under the direction of R. P. Ofcarcik, C. L. Bedford, and B. F. Cargill in the Department of Food Science and Human Nutrition to test the efficiency of commercial equipment in the pitting of Stanley plums.
47. Grant of \$300 from Michigan Agr. Cooperative Marketing Association, Inc., Lansing, Michigan, to be used under the direction of R. P. Ofcarcik, C. L. Bedford, and B.F. Cargill in the Department of Food Science and Human Nutrition to test the efficiency of commercial equipment in the pitting of Stanley plums.

B. GIFTS AND GRANTS, continued

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48. Grant of \$300 from Traverse City Canning Company, Traverse City, Michigan, to be used under the direction of R. P. Ofcarcik, C. L. Bedford, and B. F. Cargill in the Department of Food Science and Human Nutrition to test the efficiency of commercial equipment in the pitting of Stanley plums.
49. Grant of \$5,000 from Fats and Proteins Research Foundation, Inc., Des Plaines, Illinois, to be used under the direction of D. R. Romsos in the Department of Food Science and Human Nutrition to determine the metabolic influence of dietary fat.
50. Grant of \$986 from Paul Mueller Company, Springfield, Missouri, to be used under the direction of T. I. Hedrick in the Department of Food Science and Human Nutrition for cleaning procedure for exceptional conditions.
51. Grant of \$1,944 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of G. A. Leveille in the Department of Food Science and Human Nutrition to develop an understanding of the interrelationship between nutrition and lipid metabolism in various species.
52. Grant of \$1,000 from Pickle Packers International, Inc., St. Charles, Illinois, to be used under the direction of C. L. Bedford in the Department of Food Science and Human Nutrition to determine brining performance of pickle varieties and determine brining procedures to minimize or eliminate bloating.
53. Grant of \$1,388.37 from University of Rhode Island, Kingston, Rhode Island, to be used under the direction of T. I. Hedrick in the Department of Food Science and Human Nutrition for services required by Dr. Hedrick to assist the Central American Research Institute for Industry, Guatemala including travel to San Salvador in connection with dairy extension activities.
54. Grant of \$1,613.05 from University of Rhode Island, Kingston, Rhode Island, to be used under the direction of J. W. Goff in the Department of Food Science and Human Nutrition for services and related items in connection with packaging short course to be given at San Jose, Costa Rica.
55. Grant of \$1,104 from University of Rhode Island, Kingston, Rhode Island, to be used under the direction of W. Martens in the Department of Food Science and Human Nutrition for services and related items in connection with packaging short courses to be given at San Jose, Costa Rica.
56. Grant of \$300 from Westreco, Inc., Marysville, Ohio, to be used under the direction of J. R. Brunner in the Department of Food Science and Human Nutrition for analytical services performed and will be used for supplies, etc.
57. Grant of \$3,000 from Whey Products Institute, Chicago, Illinois, to be used under the direction of T. I. Hedrick in the Department of Food Science and Human Nutrition for investigation of the nutritional qualities of acid and sweet dry wheys.
58. Grant of \$2,000 from Paul Ecke, Inc., Encinitas, California, to be used under the direction of K. C. Sink in the Department of Horticulture to support on-going research on direct rooting-propagation of poinsettia.
59. Grant of \$500 from ICI United States, Inc., Wilmington, Delaware, to be used under the direction of A. R. Putnam in the Department of Horticulture to support on-going research on antidotes for herbicide injury.
60. Grant of \$1,000 from The John Henry Company, Lansing, Michigan, to be used under the direction of W. Carlson in the Department of Horticulture to support on-going research relating to the marketing of flower crops.
61. Grant of \$2,000 from Michigan Wine Institute, Lansing, Michigan, to be used under the direction of G. S. Howell, Jr., in the Department of Horticulture to evaluate new grape cultivars for productivity, economics of production, and wine quality.
62. Grant of \$180.77 from Roses, Incorporated, Haslett, Michigan, to be used under the direction of W. Carpenter in the Department of Horticulture to support on-going research of cytohistological changes occurring in rose stems during the cut flower life.
63. Grant of \$39.45 from Electronic Industries Association, Washington, D.C., to be used under the direction of J. W. Goff in the School of Packaging as an unrestricted grant in support of packaging education.
64. Grant of \$3,000 from International Business Machines Corporation, Princeton, New Jersey, to be used under the direction of J. W. Goff in the School of Packaging to conduct basic research in the control of damage in distribution under the multi-sponsor research program underway at the School of Packaging.
65. Grant of \$4,000 from The Johnson's Wax Fund, Inc., Racine, Wisconsin, to be used under the direction of J. W. Goff in the School of Packaging for a fellowship grant for 1974-1975.
66. Grant of \$5,000 from Farm Bureau Services, Inc., Lansing, Michigan, to be used under the direction of H. C. Zindel in the Department of Poultry Science to study acute, subacute, and chronic toxicity of PBB on experimental animals.

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B. GIFTS AND GRANTS, continued

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67. Grant of \$11,322 from University of Wisconsin on behalf of MUCIA, Madison, Wisconsin, to be used under the direction of I. R. Wyeth in the Institute of International Agriculture in support of services rendered by Dr. Stuart Sleight who is serving as a short-term advisor in Indonesia as part of MUCIA/AID/Indonesia Project.
68. Grant of \$500 from Michigan Council for the Arts, Detroit, Michigan, to be used under the direction of S. Omoto in the Department of Art-Kresge Art Gallery to develop an inventory of Michigan paintings executed before 1914, through contacting to identify and locate paintings.
69. Grant of \$325 from Richard J. Lewis to be used under the direction of R. J. Lewis in the Dean's Office, College of Business, as an unrestricted grant.
70. Grant of \$2,500 from Haskins and Sells, New York, New York, to be used under the direction of G. M. Jones in the Department of Accounting and Financial Administration to provide faculty fellowship grants to two Accounting faculty members for independent research during summer 1974.
71. Grant of \$500 from Allied Telephone Company, Little Rock Arkansas, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
72. Grant of \$3,500 from Baltimore Gas and Electric Company, Baltimore, Maryland, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
73. Grant of \$300 from Cambridge Electric Light Company, Cambridge, Massachusetts, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
74. Grant of \$1,500 from Central Illinois Light Company, Peoria, Illinois, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
75. Grant of \$3,500 from Columbia Gas System Service Corporation, Wilmington, Delaware, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
76. Grant of \$500 from Commonwealth Gas Company, Cambridge, Massachusetts, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
77. Grant of \$3,500 from Consumers Power Company, Jackson, Michigan, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
78. Grant of \$3,000 from Continental Telephone Corporation, Bakersfield, California, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
79. Grant of \$1,500 from Mid-Continent Telephone Corporation, Hudson, Ohio, to be used under the direction of H.M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
80. Grant of \$3,500 from Natural Gas Pipeline Company of America, Chicago, Illinois, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
81. Grant of \$700 from New Bedford Gas and Edison Light Company, Cambridge, Massachusetts, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
82. Grant of \$3,500 from Northern Illinois Gas Company, Aurora, Illinois, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
83. Grant of \$3,500 from Panhandle Eastern Pipe Line Company, Houston, Texas, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
84. Grant of \$1,250 from Rochester Telephone Corporation, Rochester, New York, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
85. Grant of \$3,500 from United Telecommunications, Inc., Kansas City, Missouri, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
86. Grant of \$30,000 from U.S. Office of Education, Washington, D.C., to be used under the direction of L. V. Deal in the Department of Audiology and Speech Sciences for Application for Traineeships for Graduate Students: preparation of personnel for education of the handicapped - speech and hearing.

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87. Grant of \$132,654 from Agency for International Development, Washington, D.C., to be used under the direction of G. Thomas in the Department of Communication for development and conduction of seminars which introduce the participants in AID training programs to principles of effective communication and to the role of communication in the modernization process.
88. Grant of \$100 from Michigan State Senate, Lansing, Michigan, to be used under the direction of R. Schlater in the Department of Television and Radio to accept money for subscriptions and to produce a monthly newsletter titled "Michigan Cablenews."
89. Grant of \$3,000 from Michigan Association of Secondary School Principals, Ann Arbor, Michigan, to be used under the direction of P. A. Cusick in the Department of Administration and Higher Education to defray the cost of graduate student assistance and supplies and services in connection with the editing of the MASSP journal.
90. Grant of \$12,060 from Rehabilitation Services Administration, Department of Health, Education, and Welfare, Chicago, Illinois, to be used under the direction of G. A. Miller in the Department of Counseling, Personnel Services, and Educational Psychology to support a graduate training program in the field of rehabilitation counseling.
91. Grant of \$139,763 from Lansing School District and United States Office of Education to be used under the direction of L. D. McIntyre in the Department of Elementary and Special Education to provide methods instruction, field-based experiences, community involvement, and bilingual education for interns, cooperating teachers, and team leaders within a competency based framework for Eighth Cycle Teacher Corps.
92. Grant of \$30,000 from Muskegon School District - Title I - Division of Special Education, State of Michigan, to be used under the direction of P. G. Vogel in the Department of Health, Physical Education and Recreation for curriculum inservice training program to implement and evaluate an exemplary developmental motor training program for TMIs at five specified geographic sites in Michigan.
93. Grant of \$4,000 from Burroughs Corporation, Detroit, Michigan, to be used under the direction of G. Van Dusen and J. F. Rainey in the Dean's Office, College of Engineering, and the College of Business for two students in Engineering and two students in Business for the academic year 1974-75.
94. Grant of \$1,184 from Miller-Davis Company, Kalamazoo, Michigan, to be used under the direction of L. W. Von Tersch in the Dean's Office, College of Engineering, for AGC Summer Work Program for Mark Sands and John Van Stratt.
95. Grant of \$328,000 from Alfred P. Sloan Foundation, New York, New York, to be used under the direction of G. M. Van Dusen in the Dean's Office, College of Engineering, to be used in support, over a three-year period, of an experimental program to provide minority students with the necessary prerequisite technical skills for entry into engineering.
96. Grant of \$61,500 from National Science Foundation, Washington, D.C., to be used under the direction of T. S. Vinson in the Division of Engineering Research for research that would (1) measure shear moduli and damping factors in several frozen soils and develop design equations or curves for use in ground response analyses during strong motion earthquakes; and (2) investigate parameters that might influence shear moduli and damping factors of frozen soils such as degree of ice saturation, unfrozen water content, soil density, temperature, confining pressure, and cyclic load frequency.
97. Grant of \$40,800 from National Science Foundation, Washington, D.C., to be used under the direction of D. C. Wiggert in the Division of Engineering Research to be used for a study to investigate the hydraulic transient response with gas being released from fluid in a long pipeline.
98. Grant of \$6,480 from MERIT Computer Network to be used under the direction of H. Eick in the Computer Laboratory as part of MICIS-MERIT three-university computer development.
99. Grant of \$75,645 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of W. W. Wells in the Department of Biochemistry for energy relationships in inborn errors of metabolism.
100. Grant of \$100 from Pfizer, Incorporated, New York, New York, to be used under the direction of R. C. Gordon in the Department of Human Development for continuation of antibiotic research studies.
101. Grant of \$100 from Philip Pfaff of Bristol Laboratories, Syracuse, New York, to be used under the direction of R. C. Gordon in the Department of Human Development for support of continuation of antibiotic research studies.
102. Grant of \$500 from Ingham Medical Hospital to be used under the direction of S. McMahon in the Department of Medicine for unrestricted research.

103. Grant of \$1,800 from Searle Laboratories, Chicago, Illinois, to be used under the direction of D. R. Rovner and R. K. Ferguson in the Department of Medicine to determine whether plasma renin activity is a valid predictor of response to anti-hypertensive medication.
104. Grant of \$5,000 from Sterling-Winthrop Research Institute of Sterling Drug Company, Rensselaer, New York, to be used under the direction of R. K. Ferguson in the Department of Medicine to promote the investigational activities of the Clinical Pharmacology Program in MSU's College of Human Medicine and to support the needs of the investigation.
105. Grant of \$1,500 from Michigan State Medical Society, Lansing, Michigan, to be used under the direction of J. R. Cipparone in the Department of Pathology to support the Placental Tissue Registry for the State of Michigan in cooperation with the Michigan State Medical Society.
106. Grant of \$82,127 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of T. Akera in the Department of Pharmacology for Cardiac Glycosides: Mechanism of Inotropic Action.
107. Grant of \$31,579 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of G. L. Gebber in the Department of Pharmacology for Central Neural Control of Cardiovascular Function.
108. Grant of \$41,315 from National Institutes of Health to be used under the direction of Ching-chung Chou in the Department of Physiology for "Mechanisms of Hemodynamic Changes During Digestion."
109. Grant of \$40,272 from National Institutes of Health to be used under the direction of R. M. Daugherty in the Department of Physiology for "Effect of Procedures on Ischemic Limb O_2 and Blood Flow."
110. Grant of \$39,236 from National Institutes of Health to be used under the direction of H. W. Overbeck in the Department of Physiology for "Hemodynamics and Vasoactivity in Renal Hypertension."
111. Grant of \$65,145 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of J. E. Wilson in the Department of Biochemistry for Mitochondrial Hexokinase and Brain Metabolism.
112. Grant of \$22,227 from National Institutes of Health, Bethesda, Maryland, to be used under the direction of W. C. Deal, Jr., in the Department of Biochemistry for cancer and the control of glycolysis.
113. Grant of \$51,827 from National Institutes of Health to be used under the direction of H. T. Tien in the Department of Biophysics for Bimolecular Lipid Membranes.
114. Grant of \$6,000 from Eastman Kodak Company, Rochester, New York, to be used under the direction of J. B. Kinsinger in the Department of Chemistry as an unrestricted grant.
115. Grant of \$1,000 from National Institutes of Health to be used under the direction of P. J. Wagner and M. J. Thomas in the Department of Chemistry as research fellowship supply.
116. Grant of \$16,400 from National Science Foundation to be used under the direction of R. I. Cukier in the Department of Chemistry for Theory of the Sensitivity of Rate Equations to Uncertainties in Rate Coefficients.
117. Grant of \$2,300 from National Science Foundation to be used under the direction of H. A. Eick in the Department of Chemistry for partial support of the 11th Rare Earth Research Conference.
118. Grant of \$4,000 from Department of the Army to be used under the direction of H. A. Eick in the Department of Chemistry as partial support of 11th Rare Earth Research Conference to be held at Traverse City, Michigan, on October 7-11, 1974.
119. Grant of \$35,000 from Office of Naval Research to be used under the direction of G. E. Leroi in the Department of Chemistry for "Photoionization Studies of Molecular Dynamics and Energies."
120. Grant of \$1,200 from Amoco Foundation, Inc., Chicago, Illinois, to be used under the direction of R. Carmichael in the Department of Geology for financial assistance for a Geophysics student.
121. Grant of \$100 from Keck Consulting Services, Inc., East Lansing, Michigan, to be used under the direction of R. Carmichael in the Department of Geology to support research in the field of geophysics - applied toward a gravity survey in Michigan.
122. Grant of \$500 from Mobil Oil Corporation, Denver, Colorado, to be used under the direction of F. W. Cambray in the Department of Geology as an unrestricted grant.

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123. Grant of \$2,000 from Texaco Incorporated, New York, New York, to be used under the direction of R. Carmichael, F. W. Cambray, and H. Bennett in the Department of Geology for general use in geophysics.
124. Grant of \$300 from Project S.E.E.D., Berkeley, California, to be used under the direction of W. Fitzgerald in the Department of Mathematics for special elementary education for the disadvantaged.
125. Grant of \$50,000 from National Science Foundation, Washington, D.C., to be used under the direction of R. L. Uffen in the Department of Microbiology and Public Health for biochemical and structural diversity among aquatic microorganisms in anaerobic environments.
126. Grant of \$71,600 from National Science Foundation, Washington, D.C., to be used under the direction of G. Bertsch, J. Borysowicz, H. McManus, and D. Riska in the Department of Physics for Scattering Problems and the Theory of Nuclear Structure.
127. Grant of \$5,600 from National Science Foundation, Washington, D.C., to be used under the direction of G. M. Crawley in the Department of Physics-Cyclotron for partial support of a visit to Australia under the United States-Australia Cooperative Science Program.
128. Grant of \$149,200 from National Science Foundation, Washington, D.C., to be used under the direction of K. W. Cummins and M. J. Klug in the Kellogg Biological Station for an integrated study of woodland stream ecosystems.
129. Grant of \$1,154,000 from U.S. Atomic Energy Commission, Washington, D.C., to be used under the direction of A. Lang in the MSU/AEC Plant Research Laboratory for research and training at graduate and postdoctoral levels in experimental plant biology.
130. Grant of \$10,000 from Michigan Osteopathic College Foundation, Pontiac, Michigan, to be used under the direction of M. S. Magen in the Dean's Office, College of Osteopathic Medicine for student emergency loan fund.
131. Grant of \$147.12 from MSU College of Osteopathic Medicine Student Organization, Inc., Pontiac, Michigan, to be used under the direction of M. S. Magen in the Dean's Office, College of Osteopathic Medicine as an unrestricted grant.
132. Grant of \$21,000 from American Osteopathic Association, Chicago, Illinois, to be used under the direction of E. Kuntz in the Department of Biomechanics to investigate neurotrophic regulation of muscle structure and function.
133. Grant of \$15,650 from American Osteopathic Association, Chicago, Illinois, to be used under the direction of D. K. Michael and E. W. Retzlaff in the Department of Biomechanics to test the hypothesis that cranial bone movement in primates results in alterations in the pressure and flow of the intracranial fluids.
134. Grant of \$9,000 from American Osteopathic Association, Chicago, Illinois, to be used under the direction of C. Tweedle in the Department of Biomechanics for biochemical investigation of collateral nerve sprouting.
135. Grant of \$1,244 from Commission on Geography and Afro-American Association of American Geographers, Ann Arbor, Michigan, to be used under the direction of L. M. Sommers in the Department of Geography to upgrade minority graduate students in the field of Geography so that they may better perform when they return to predominantly black colleges and universities.
136. Grant of \$20,435 from National Institutes of Health, Rockville, Maryland, to be used under the direction of J. Zuiches in the Department of Sociology for commuting patterns in U.S. metropolitan areas.
137. Grant of \$104 from various donors to be used under the direction of C. F. Reed in the Dean's Office, College of Veterinary Medicine, as an unrestricted grant.
138. Grant of \$20,575 from National Institutes of Health, Washington, D.C., to be used under the direction of C. W. Welsch in the Department of Anatomy to study potential of ergot alkaloids in control of breast cancer.
139. Grant of \$36,348 from National Institutes of Health to be used under the direction of P. O. Fromm in the Department of Physiology for "Comparative Physiological Studies of Vertebrate Eyes."
140. Grant of \$15 from Simon and Rochelle Husband, Williamston, Michigan, to be used under the direction of A. Hunter in the Continuing Education Service as a gift toward Adventure in World Understanding program.
141. Grant of \$12,900 from DOD Dependent Schools to be used under the direction of S. Cherney in the Continuing Education Service to cover partial tuition assistance for 300 DOD Dependent School teachers who will be enrolling in MSU Graduate Education Overseas courses during 1974-75.

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142. Grant of \$28,259 from Michigan Office of Highway Safety Planning, Lansing, Michigan, to be used under the direction of A. H. Koert in the Highway Traffic Safety Center to raise the level of expertise of paraprofessionals in the traffic engineering field through the conduct of six traffic engineering seminars.
143. Grant of \$147,150 from National Iranian Television and Radio, Tehran, Iran, to be used under the direction of A. Issari in the Instructional Media Center for the development of a program of study for the staff of National Iranian Television and Radio to give them a broad education in the various disciplines of communication arts and general education.
144. Grant of \$7,500 from Midwest Universities Consortium for International Activities, East Lansing, Michigan, to be used under the direction of K. Lawton in the Office of International Studies and Programs for travel to research the possibilities of an FAO-funded technical assistance project in Somalia.
145. Grant of \$5,000 from Midwest Universities Consortium for International Activities, East Lansing, Michigan, to be used under the direction of K. Lawton in the Office of International Studies and Programs to promote the relationship between MSU and Ethiopian National University.
146. Grant of \$5,000 from Midwest Universities Consortium for International Activities, East Lansing, Michigan, to be used under the direction of K. Lawton in the Office of International Studies and Programs to assist MSU, as MUCIA member university, in its support of attendance of staff members at international conferences.
147. Grant of \$5.00 from Catholic Business Women's Association, East Lansing, Michigan, to be used under the direction of M. E. Rosenhaft in the Office of Waste Control Authority for assistance in running the River Cleanup Project.
148. Grant of \$150 from East Side Commercial Club, East Lansing, Michigan, to be used under the direction of M. E. Rosenhaft in the Office of Waste Control Authority for assistance in running the River Cleanup Project.
149. Grant of \$90 from Marjorie K. Byers, Waterloo, Iowa, to be used under the direction of the Mayo Hall Head Resident Advisor, Dean of Students' Office, to provide educational programs for the residents of Mary Mayo Hall.

Motion was made by Trustee Stevens, seconded by Trustee Huff, to accept the Gifts and Grants. Unanimously carried.

C. OTHER ITEMS FOR ACTION

1. Assistant Vice Presidents Groty and McMillan have undertaken to revise the policy statement for the employment of the handicapped submitted to the October meeting of the Board. The statement has been drafted taking account of the rules and regulations of Section 503 of the Rehabilitation Act.

The new statement was developed with the cooperation of Mr. Les Sinclair of the Governor's Commission on the Employment of the Handicapped and the staff from the Vocational Rehabilitation Services Division. Comments on the statement have also been requested from the following groups: the Michigan Association of the Blind, the Michigan Association of the Deaf, the Michigan Association of Physically Handicapped, the Michigan Association of Retarded Citizens, and the National Federation of the Blind of Michigan. Review was also requested by the University's Office of Special Programs.

It is the recommendation of the Administration that the following policy be approved:

Michigan State University recognizes that employment of the handicapped is in the University's best interests by utilizing the employment skills possessed by such individuals as well as by meeting an important social responsibility. The University will take affirmative action to employ, advance in employment and otherwise treat qualified handicapped individuals without discrimination. The University will make reasonable accommodation to physical and mental limitations of employees and applicants, consistent with the qualifications required for the work to be performed and with the effective operation of the University.

It shall be the responsibility of the Office of the Provost and the Office of Personnel and Employee Relations to coordinate and implement this policy with respect to academic and non-academic employment. The Department of Human Relations shall monitor the implementation of this affirmative action policy.

RESOLVED that the policy on the employment of the handicapped is approved.

Vice President Perrin explained that an ad hoc advisory group consisting of appropriate administrators, faculty, students, employees and handicapped employees would be appointed to assist Drs. Groty and McMillan, who will have primary responsibility for the operation of this policy. Dr. Groty added that a program will be undertaken to

Policy on
Employment of
Handicapped
approved

C. OTHER ITEMS FOR ACTION, continued

November 15, 1974

1. Policy on Employment of the Handicapped, cont.Policy on
Employment of
Handicapped,
cont.

identify presently employed handicapped persons, and current personnel policies and procedures will be reviewed to see that they are not a barrier to employment opportunities for handicapped applicants or presently employed handicapped. An affirmative action plan will then be developed to increase the numbers of handicapped employees having access to jobs in the University and to make sure that presently employed handicapped are not being denied promotional opportunities because of procedural or structural barriers.

Motion was made by Trustee Huff, seconded by Trustee Merriman, to approve the policy on the employment of handicapped as recommended.

During the discussion Trustee Huff suggested that the words "as is done for all employees" be added to the last sentence in the first paragraph. There appeared to be general Trustee acceptance of this addition.

Judy Taylor, Coordinator, and Eric Gentile, Assistant Coordinator, Office of Programs for Handicapped Students, were asked by Trustee Carrigan to comment on the proposed policy. Miss Taylor expressed dissatisfaction with the third sentence in the first paragraph. She and Mr. Gentile were concerned because the Handicapped Students office was not asked to participate in the development of the policy statement but was asked only to review the final draft.

Miss Taylor felt Trustee Huff's suggestion that "every possible" be substituted for "reasonable" in the third sentence of the first paragraph was more acceptable, but it was her opinion that it would take extensive discussion to reach consensus on suitable wording for this portion of the policy.

It was the feeling of the Trustees that the policy should be acted upon at this time and, if necessary, revisions could be made later. The motion to approve the policy on the employment of the handicapped, with the inclusion of the phrase "as is done for all employees" at the end of the first paragraph, carried by a vote of 7 to 1, Trustee Martin voting "No."

2. It is recommended that the appropriate degrees be awarded to those students who, according to the records of the Registrar, completed the requirements for graduation fall term 1974.

Degrees granted
fall term 1974

RESOLVED that the degrees be awarded as recommended.

Unanimously approved. Motion by Trustee Merriman, seconded by Trustee Thompson.

3. The students graduating at the 1974 fall term commencement who had the highest scholastic averages at the close of their last term in attendance and are therefore recommended to receive the Board of Trustees Awards are:

Board of
Trustees'
Awards Fall
Term 1974

First high man - Roland Robert Bergdahl, Latin major, 4.052 average, graduate of East Grand Rapids High School, East Grand Rapids, Michigan

First high woman - Barbara Gilin, Psychology major, 3.925 average, graduate of Dominican High School, Detroit, Michigan

Second high man - Michael James Hayes, Lyman Briggs - Biology major, 3.893 average, graduate of Everett High School, Lansing, Michigan

Second high woman - Linda Luree Welch, Lyman Briggs - Medical Technology major, 3.874 average, graduate of Waverly High School, Lansing, Michigan

RESOLVED that the Board of Trustees Awards are approved.

Unanimously approved. Motion by Trustee Huff, seconded by Trustee Thompson.

4. The College of Veterinary Medicine Curriculum Committee has requested that an animal gross anatomy teaching laboratory be air conditioned by the beginning of summer quarter 1975. An air conditioned facility will enable the department to do something it has not done before; namely, begin instruction in basic anatomy during Term I (the first summer quarter) of the professional curriculum.

Air conditioning
for gross
anatomy teaching
lab. approved

Two such laboratories are available. Air conditioning and other appropriate upgrading (new lights and ceiling) of the less expensive one has been estimated at \$70,000. Because it is an instructional facility with bonafide requirements for ventilation and temperature control, the project has the approval of the small committee set up last spring to monitor air conditioning requests.

C. OTHER ITEMS FOR ACTION, continued

November 15, 1974

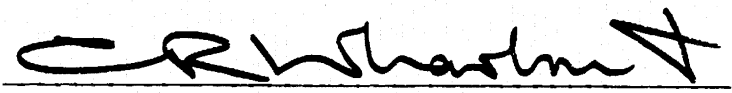
4. Air Conditioning of Animal Gross Anatomy Teaching Laboratory, cont.

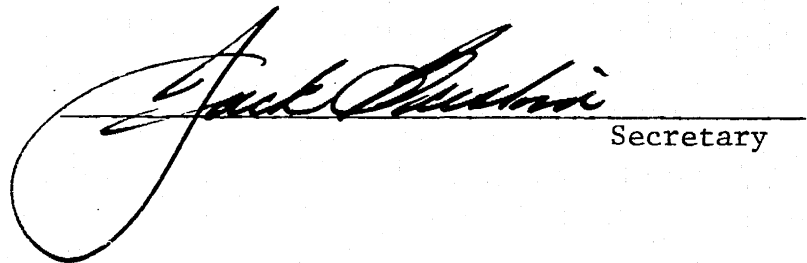
If approved by the Board of Trustees, the project will be funded up to \$20,000 by Account No. 11-5173 (Special Alterations and Improvements) and at \$50,000 by Federal capitation funds granted to the College of Veterinary Medicine.

RESOLVED that the above project is approved.

Unanimously approved. Motion by Trustee Merriman, seconded by Trustee Thompson.

Adjourned at 11:40 a.m.


President


Secretary

There was no Board meeting in December 1974.