

MINUTES OF THE MEETING
of the
MICHIGAN STATE UNIVERSITY
BOARD OF TRUSTEES
April 27-28, 1978

President Harden called the meeting to order in the Board Room in the Administration Building at 2:40 p.m.

Present: Trustees Bruff, Carrigan-Strickland, Radcliffe, Stack, and Stevens; President Harden, Provost Winder, Executive Vice President Breslin, Vice Presidents Cantlon, Carr, Nonnamaker, Perrin, Scott, and Wilkinson, Secretary Ballard; Faculty Liaison Group, Student Liaison Group.

Absent: Trustees Krolikowski, Martin, and Smydra.

1. Approval of Proposed Agenda

Motion was made by Trustee Carrigan-Strickland, seconded by Trustee Bruff, to approve the agenda. Unanimously carried.

2. Approval of March 30-31, 1978 Minutes

On motion by Trustee Bruff, seconded by Trustee Radcliffe, it was unanimously voted to approve the March 30-31, 1978 minutes.

Recessed at 2:42 p.m.

During the recess there were meetings of the Board Audit, Health Programs, and Investment Committees, and the Board received reports and comments from the public.

The meeting reconvened at 10:08 a.m., April 28, in the Board Room in the Administration Building.

Present: Trustees Bruff, Carrigan-Strickland, Krolikowski, Martin, Stack, and Stevens; Trustee Radcliffe arrived after action was taken on the Personnel Changes; Executive Advisory Council, Faculty and Student Liaison Groups.

Absent: Trustee Smydra.

A. PERSONNEL CHANGES

Resignations and Terminations

1. Lowell E. Spotts, Extension Horticulture Agent, Genesee County, April 24, 1978, to accept employment elsewhere.
2. Arnold L. Mokma, Assistant Professor, Institute of Agricultural Technology, April 15, 1978, to accept a position at Ohio State University.
3. Charles R. Mauldin, Associate Professor, Department of Advertising, August 31, 1978, to accept a position in business.
4. Donn L. Anderson, Associate Professor, Urban Planning and Landscape Architecture, August 31, 1978, to accept a position in private industry.

Leaves--Sabbatical

1. Joseph B. Ishikawa, Associate Professor and Gallery Director, Department of Art, with full pay, from April 1, 1978 through June 30, 1978, to study and travel in Colombia, Peru, Mexico, and the United States.
2. Alfred C. Goodson, Associate Professor, Department of English, with half pay, from September 1, 1978 through August 31, 1979, to study in Paris, France.
3. Evan P. Watkins, Associate Professor, Department of English, with half pay, from September 1, 1978 through August 31, 1979, to study and travel in Italy.
4. Samuel J. Levine, Assistant Professor, Administration and Higher Education, with full pay, from March 1, 1979 through August 31, 1979, to study and travel in Michigan and Israel.
5. William W. Farquhar, Professor, Counseling, Personnel Services and Educational Psychology, with full pay, from September 15, 1978 through March 15, 1979, to study in the East Lansing area.
6. Norman R. Stewart, Professor, Counseling, Personnel Services and Educational Psychology, with full pay, from September 15, 1978 through March 14, 1979, to study in East Lansing.
7. James C. McCray, Associate Professor, Elementary and Special Education, with full pay, from March 27, 1978 through June 10, 1978, to study in East Lansing and Detroit.
8. Eugene Pernell, Jr., Associate Professor, Elementary and Special Education, with full pay, from July 1, 1978 through December 31, 1978, to study in Michigan, Arizona, California, and Minnesota.

Personnel
Changes

Resignations
and
Terminations

Sabbatical
Leaves

A. PERSONNEL CHANGES, cont.

April 27-28, 1978

Personnel
Changes
Sabbatical
Leaves, cont.Leaves--Sabbatical, cont.

9. John F. Foss, Professor, Mechanical Engineering, with half pay, from September 1, 1978 through August 31, 1979, to study and conduct research in West Germany.
10. Elizabeth A. Seagull, Associate Professor, Human Development, with half pay, from September 15, 1978 through September 14, 1979, to study in East Lansing, selected European countries, Israel, and possibly Japan or Australia.
11. Suzanne Brouse, Assistant Professor and Assistant Director, School of Nursing, from June 15, 1978 through September 15, 1978, to study in East Lansing, Detroit, and Ann Arbor, with full pay.
12. Lawrence M. Sommers, Professor and Chairman, Department of Geography, with full pay, from June 16, 1978 through September 15, 1978, to study in East Lansing and vicinity.
13. Jack F. Williams, Assistant Professor, Department of Geography, with half pay, from September 1, 1978 through August 31, 1979, to study in Taiwan.
14. Harold J. Spaeth, Professor, Department of Political Science, with full pay, from January 1, 1979 through March 31, 1979, for study, research, and writing in East Lansing.
15. Neil Vande Vord, Professor, Labor and Industrial Relations, with full pay, from January 1, 1979 through June 30, 1979, to study in Michigan.
16. Sheldon G. Lowry, Professor, Department of Sociology; Director, Multidisciplinary Major Program, and Assistant Dean for Undergraduate Education, College of Social Science, with full pay, from July 1, 1978 through December 31, 1978, to study in East Lansing and attend workshops and professional meetings in such areas as Minneapolis, San Francisco, Houston.

Leaves--Medical

Medical Leaves

1. Ruth B. Beale, Extension Home Economist, Jackson, Calhoun, Kalamazoo, Branch, and Hillsdale Counties, with full pay, March 15, 1978 through September 15, 1978.
2. Joann M. Brugger, Extension Home Economist, Ottawa County, with full pay, February 2, 1978 through March 16, 1978.
3. Pauline A. Hess, Specialist, Health, Physical Education and Recreation, with full pay, from March 2, 1978 through June 15, 1978.
4. Lois J. Zimring, Professor, Department of Natural Science, with full pay, from January 1, 1978 through March 31, 1978.

Leaves--Other

Other Leaves

1. Lois F. Marsh, Extension Home Economist, Cass, Berrien, and Van Buren Counties, with full pay, from June 5, 1978 through August 4, 1978, to study at Andrews University.
2. Stanley J. Burton, County Extension Director, Antrim County, with full pay, from May 1, 1978 through June 9, 1978, to study at Michigan State University.
3. Tien-Yien Li, Assistant Professor, Department of Mathematics, without pay, from September 1, 1978 through August 31, 1979, to study at the University of Wisconsin, Madison.
4. Terence Dungworth, Assistant Professor, School of Criminal Justice, without pay, from May 1, 1978 through August 31, 1978, to continue as Project Director, Institute for Law and Social Research, Office of the United States Attorney.
5. Marvin Zalman, Assistant Professor, School of Criminal Justice, without pay, from May 1, 1978 through April 30, 1979, to serve as Project Director, Michigan Supreme Court and State Court Administrative Office.
6. Hugh B. Fox, Professor, American Thought and Language, without pay, from September 1, 1978 through August 31, 1979, to accept a Fulbright Professorship in Brazil.
7. Ellen S. Uffen, Assistant Professor, American Thought and Language, without pay, from September 1, 1978 through August 31, 1979, to conduct independent research in Los Angeles, California.
8. Annie M. Pitts, Librarian, Libraries, without pay, from June 26, 1978 through August 22, 1978, to study at Western Michigan University.

Transfers and Changes in AssignmentTransfers and
Changes in
Assignment

1. Change ending date of leave for Leo W. Dorr, County Extension Director, Genesee County, from June 30, 1978 to March 19, 1978.
2. Change terms of leave for John F. Bobbitt, Associate Professor, Secondary Education and Curriculum, from sabbatical leave with full pay from March 1, 1978 through August 1, 1978, to leave, no pay, March 1, 1978 through March 31, 1978, and sabbatical leave with full pay from April 1, 1978 through August 31, 1978.

Leo W. Dorr

John F. Bobbitt

Personnel
ChangesA. PERSONNEL CHANGES, cont.

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Transfers and
Changes in
AssignmentTransfers and Changes in Assignment, cont.Donald B.
Kaufman

3. Change sabbatical leave salary for Donald B. Kaufman, Associate Professor, Human Development, from 95% to 90%, effective April 1, 1978 through July 31, 1978.

William J.
Klein

4. Additional assignment of William J. Klein, Professor and Director, Office of Health Services, and Professor, Community Health Science, as Professor, Medicine, effective March 1, 1978.

John E.
Paynter

5. Change sabbatical leave dates for John E. Paynter, Assistant Professor, James Madison College, from May 1, 1978 through August 31, 1978, to May 1, 1979 through August 31, 1979.

Jane
Featherstone

6. Additional assignment for Jane Featherstone, Assistant Professor and Director of Comprehensive English, American Thought and Language, at Assistant Chairperson, American Thought and Language, effective September 1, 1978.

Paul Ferlazzo

7. Following changes for Paul Ferlazzo, Associate Professor, American Thought and Language:

- a. Additional assignment as Acting Assistant Chairman, American Thought and Language, effective July 1, 1978 through August 31, 1978;

- b. Additional assignment as Assistant Chairman, American Thought and Language, and change from a 10-month basis at a salary of \$17,793 per year to a 12-month basis at a salary of \$22,241 per year, effective September 1, 1978.

Terry L. Kuhn

8. Change Terry L. Kuhn from Manager Computer Facilities AP-11, Data Processing, at a salary of \$19,670 per year, to Assistant Director Operations and Production AP-15, Data Processing, at a salary of \$22,250 per year on a 12-month basis, effective January 1, 1978.

Promotion

Promotion

1. Change of title from Instructor to Assistant Professor for David B. Kalinich, School of Criminal Justice, with an increase in salary to \$17,450 per year on a 10-month basis, effective March 1, 1978.

Salary Change

Salary Change

1. Increase in salary to \$15,000 per year on a 12-month basis for Allen P. Krizek, Extension Horticultural Agent, Macomb, St. Clair, and Lapeer Counties, effective April 1, 1978.

Appointments

Appointments

1. James D. Humphreys, District Extension Marine Agent, Upper Peninsula, at a salary of \$13,100 per year on a 12-month basis, effective May 1, 1978.
2. Philip G. Schwallier, County Extension Horticultural Agent, Kent County, at a salary of \$13,000 per year on a 12-month basis, effective May 1, 1978.
3. Larry A. Beineke, Associate Professor, Agricultural Engineering, in the tenure system, at a salary of \$24,500 per year on a 12-month basis, effective April 1, 1978.
4. Jack R. Giacini, Associate Professor, School of Packaging, in the tenure system, at a salary of \$25,000 per year on a 12-month basis, effective July 1, 1978.
5. Douglas L. Peterson, Professor, Department of English, with tenure, at a salary of \$34,000 per year on a 10-month basis, effective September 1, 1978.
6. M. Teresa Tavormina, Assistant Professor, Department of English, in the tenure system, at a salary of \$14,000 per year on a 10-month basis, effective September 1, 1978.
7. Owen Carman, Assistant Professor, Department of Music, in the tenure system, at a salary of \$14,000 per year on a 10-month basis, effective September 1, 1978.
8. Catherine Tait, Assistant Professor, Department of Music, in the tenure system, at a salary of \$13,000 per year on a 10-month basis, effective September 1, 1978.
9. Dennis Warner, Instructor, Department of Economics, in the tenure system, at a salary of \$16,500 per year on a 10-month basis, effective September 1, 1978.
10. Sandra B. Ernst, Assistant Professor, Department of Advertising, in the tenure system, at a salary of \$18,000 per year on a 10-month basis, effective September 1, 1978.
11. Bruce G. Vanden Bergh, Instructor, Department of Advertising, in the tenure system, at a salary of \$17,000 per year on a 10-month basis, effective September 1, 1978.
12. Peter R. Monge, Associate Professor, Department of Communication, in the tenure system, at a salary of \$21,000 per year on a 10-month basis, effective September 1, 1978.

A. PERSONNEL CHANGES, cont.

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Personnel
ChangesAppointments, cont.Appointments,
cont.

13. Mitchell R. Meisner, Assistant Professor, James Madison College, in the tenure system, at a salary of \$16,000 per year on a 10-month basis, effective September 1, 1978.
14. Donald E. Lawton, Specialist, MSU/NSF Heavy Ion Lab., at a salary of \$16,000 per year on a 12-month basis, effective July 1, 1978 through June 30, 1980.
15. Merrit L. Mallory, Specialist, MSU/NSF Heavy Ion Lab., at a salary of \$29,250 per year on a 12-month basis, effective July 1, 1978 through June 30, 1980.
16. R. Flint Taylor, Associate Professor, Department of Pathology, and Animal Health Diagnostic Laboratory, in the tenure system, at a salary of \$32,000 per year on a 12-month basis, effective May 1, 1978.
17. Merrill M. Forte, Assistant Football Coach, Intercollegiate Athletics, at a salary of \$22,500 per year, effective March 23, 1978 through January 15, 1979, subject to contract.
18. Walt W. Harris, Assistant Football Coach, Intercollegiate Athletics, at a salary of \$25,000 per year, effective April 4, 1978 through January 15, 1979, subject to contract.
19. Colleen F. Bednar, Librarian I, Libraries, subject to Librarian continuing appointment system, at a salary of \$12,500 per year on a 12-month basis, effective May 1, 1978.
20. Chris J. Miko, Librarian I, Libraries, subject to Librarian continuing appointment system, at a salary of \$11,600 per year on a 12-month basis, effective April 1, 1978.

On motion by Trustee Stevens, seconded by Trustee Martin, it was unanimously voted to approve the Resignations and Terminations, Leaves, Transfers and Changes in Assignment, except item 8 on page 9344, Promotion, Salary Change, and Appointments. Item 8 on page 9344 was necessarily deleted because in later Board action the reclassification of the position involved was deleted.

Deletion of
Item 8, Trans.
and Changes in
Assign., page
9344

Personnel RecommendationsPersonnel
Recommendations

It is recommended that the following positions be established:

1. For the Dean's Office, College of Osteopathic Medicine:
 - a. Clerk-Typist II C-T 5
 - b. Secretary III C-T 9
2. Laboratory Research Technician I C-T 7 for the Department of Pharmacology, College of Veterinary Medicine
3. Office Supervisor I A-P-S 6 for the Veterinary Clinical Center, College of Veterinary Medicine
4. Office Assistant I C-T 6 for the Office of Assistant Vice President for Personnel and Employee Relations, Executive Vice President
5. Management Analyst A-P 13 for the Controller, Vice President for Business and Finance
6. Head Resident Advisor for Office of Dean of Students, Residence Halls (McDonel Hall), Vice President for Student Affairs and Services

It is recommended that the following reclassifications be approved:

1. For Data Processing:
 - a. Assistant Director/Operations A-P 15 to Associate Director A-P 17
 - b. Manager Computer Facilities A-P 11 to Assistant Director Operations and Production A-P 15

Motion was made by Trustee Martin, seconded by Trustee Stevens, to approve the Personnel Recommendations.

Trustee Bruff requested that the proposed reclassifications for the Data Processing Department be deleted pending a report on that department. Trustees Martin and Stevens agreed to the deletion.

Two reclassifi-
cation recom-
mendations
deleted

Motion carried unanimously.

B. GIFTS AND GRANTSGifts and
Grants

1. Gift of a 6' Norfolk Island Pine and stand with a total value of \$80 from Dr. and Mrs. Harold Hart, Okemos, to be used in the Kresge Art Center Gallery.
2. Gift of a vacuum pump and blower, both with electric motors, with a total value of \$666.10 from the Gast Manufacturing Corp., Benton Harbor, to be used under the direction of John Foss in Mechanical Engineering in undergraduate teaching labs.
3. Gift of approximately 200 women's and children's clothing artifacts valued at \$1,500 from Joanne B. Eicher, St. Paul, Minn., to be used by clothing and textiles faculty in the Department of Human Environment and Design.

B. GIFTS AND GRANTS, cont.

April 27-28, 1978

4. Gift of a lunar globe valued at \$15 from Bruce R. Gutherie, East Lansing, to be used as an instructional aid by faculty in the Department of Astronomy and Astrophysics.
5. Gift of an annual subscription (10 issues) to Fusion from H. Spencer Potter, East Lansing, to keep faculty in Botany and Plant Pathology abreast of developments in the field of fusion energy and the biological sciences.
6. Gift of 765 mounted and determined North American Lepidoptera valued at \$1,530 from Eric H. Metzler, Columbus, Ohio, for scientific study in the Entomology Museum.
7. Gift of a collection of 4,233 specimens of mounted and determined exotic beetles valued at \$8,162 from Frederick W. Stehr, Okemos, for scientific research in the Entomology Museum.
8. Gift of books and journals per list on file in the Inventory Department valued at \$341.10 from Lucille K. Barber, East Lansing, for library usage in the School of Social Work.
9. Gift of books and journals per list on file in the Inventory Department valued at \$178.45 from Michael A. Cirrito, Lansing, for use as reference material in the School of Social Work Library.
10. Gift of 100 items of African art and craft from Liberia and Cameroon per list on file in the Inventory Department with a total value of \$3,175 from Rev. and Mrs. Fred Ferris, New Port Richie, Florida, for use in exhibits and research in the Museum.
11. Gift of Arizona Highways magazines (30 volumes), 1948-1977; Desert Magazine (Vol. 1-24) valued at \$950 from Mr. and Mrs. Francis R. Frost, Lansing for use in exhibits in the Museum.
12. Grants to be used for scholarship purposes as follows:
 - a. \$100 from the W. Atlee Burpee Co., Warminster, Pa., for the Burpee Annual Horticulture Award
 - b. \$1,500 from the Foundation of the Federated Garden Clubs of Michigan, Inc., Dearborn Heights, for students in the Department of Horticulture
 - c. \$1,000 from The American Hotel Foundation, Inc., New York, N.Y., for students in the School of Hotel, Restaurant and Institutional Management in need of financial assistance
 - d. \$2,500 from the Dow Chemical Co., Southfield, for exceptional students in the Engineering Arts Program with strong interest in business development
 - e. \$5,234.29 from the Ellen E. Fox Fund, Chicago, Ill., to be deposited in the William R. Brown Educational Foundation Scholarship
 - f. \$500 from the Michigan Asphalt Paving Association, Inc., Lansing, to be deposited in the Dan Humphries Scholarship Fund for students in the College of Engineering.
 - g. \$125 from the Michiana Veterinary Medical Auxiliary, Lakeville, Ind., for students in the College of Veterinary Medicine.
13. Grant as follows to the MSU Development Fund:
 - a. \$500 from the Coca Cola Bottling Co. of Lansing for Intercollegiate Athletics for baseball scorecards.
14. Grant of \$25,000 from the USDA Extension Service to be used under the direction of G. T. Stachwick in the Cooperative Extension Service to design and test an educational program to help the public understand the importance of, and some issues in foreign agricultural trade.
15. Grant of \$85,407 from the USDA Extension Service to be used under the direction of J. A. Halm in the 4-H/Expanded Nutrition Program to develop a volunteer system in 4-H, Family Living and the Expanded Nutrition Program, with emphasis on the involvement and management of low-income volunteers in the 4-H youth phase of ENP.
16. Grant of \$31,374 from the Office of Services to the Aging, Lansing, to be used under the direction of D. Wetters in Family Living Education for food and nutrition education for Title VII participants and staff.
17. Grant of \$7,346.89 from the Michigan 4-H Foundation, East Lansing, to be used under the direction of N. A. Brown in Extension 4-H Youth for 4-H horseback riding for the handicapper.
18. Grant of \$17,625.03 from the Michigan 4-H Foundation, East Lansing, to be used under the direction of N. A. Brown in Extension 4-H Youth; fourth quarter grant.
19. Grant of \$4,500 from the University of Wisconsin, Madison, to be used under the direction of L. V. Manderscheid in Agricultural Economics to support the research activities of Mr. and Mrs. Celso Crocomo.
20. Grant of \$3,000 from Syntex Agribusiness, Inc., Springfield, Mo., to be used under the direction of E. R. Miller in Animal Husbandry to determine the value of an aromatic attractant in pig starter diets to stimulate feed intake of nursing and weaned pigs.
21. Grant of \$75,197 from the National Institute of General Medical Sciences to be used under the direction of R. Barker in Biochemistry for research in membrane oligosaccharides.

B. GIFTS AND GRANTS, cont.

April 27-28, 1978

Gifts and
Grants

22. Grant of \$7,000 from Pfizer Central Research, Pfizer, Inc., Groton, Conn., to be used under the direction of K. R. Schubert in Biochemistry for research on the enhancement of symbiotic nitrogen fixation.
23. Grant of \$3,000 from the U.S. Public Health Service, Bethesda, Maryland, to be used under the direction of S. D. Aust in Biochemistry for supply use for Terry Lindstrom.
24. Grant of \$2,500 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of E. J. Klos in Botany and Plant Pathology to continue investigations on the disease cycle of *Pseudomonas syringae* (bacterial canker of sweets).
25. Grant of \$3,000 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of A. L. Jones in Botany and Plant Pathology for research on the epidemiology and control of brown rot and X-disease of cherries.
26. Grant of \$3,500 from the Michigan Blueberry Growers Association, Grand Junction, to be used under the direction of D. C. Ramsdell in Botany and Plant Pathology to defray costs involved in blueberry disease research.
27. Grant of \$700 from Blount Agriculture, Blount Inc., Saginaw, to be used under the direction of E. H. Everson in Crop and Soil Sciences for the continuation of existing wheat research programs.
28. Grant of \$9,000 from the Chelsea Milling Co., Chelsea, to be used under the direction of E. H. Everson in Crop and Soil Sciences for the continuation of existing wheat research programs.
29. Grant of \$4,500 from Kellogg's, Battle Creek, to be used under the direction of E. H. Everson in Crop and Soil Sciences for the continuation of existing wheat research programs.
30. Grant of \$4,000 from the Knappen Milling Co., Augusta, to be used under the direction of E. H. Everson in Crop and Soil Sciences for the continuation of existing wheat research programs.
31. Grant of \$1,100 from the Ralston Purina Co., Battle Creek, to be used under the direction of E. H. Everson in Crop and Soil Sciences for the continuation of existing wheat research programs.
32. Grant of \$6,000 from the Star of the West Milling Co., Frankenmuth, to be used under the direction of E. H. Everson in Crop and Soil Sciences for the continuation of existing wheat research programs.
33. Grants totaling \$6,500 from the Michigan Bean Commission, Lansing, to be used under the direction of A. J. M. Smucker in Crop and Soil Sciences for continuing support of bean research.
34. Grants totaling \$4,500 from various donors to be used under the direction of T. J. Johnston in Crop and Soil Sciences for continuing soybean research.
35. Grants totaling \$22,000 from the Dow Chemical Co., Midland, to be used under the direction of R. Cook in Dairy Science for the study of the mechanism of action of ruman microbial growth factors.
36. Grant of \$3,353.50 from the Michigan Dairy Herd Improvement Association, Lansing, to be used under the direction of H. D. Hafs in Dairy Science to support a dairy fieldman position.
37. Grant of \$94,438 from the National Institute of General Medical Sciences to be used under the direction of J. W. Thomas in Dairy Science to train predoctoral students in a broad, multi-species aspects of nutrition at MSU and increase productiveness of individual staff and departments in training graduate students in nutrition.
38. Grant of \$42,400 from the National Science Foundation to be used under the direction of R. M. Cook in Dairy Science to study the nutrition of cattle in the Mexican tropics.
39. Grant of \$215.63 from various donors to be used under the direction of H. D. Hafs in Dairy Science for scholarship support for students majoring in dairy production and processing.
40. Grant of \$10 from Lewis and Lavina Wilson, Mason, to be used under the direction of H. D. Hafs in Dairy Science for scholarship support for students majoring in dairy production and processing.
41. Grant of \$350 from E.I. duPont deNemours & Co., Wilmington, Del., to be used under the direction of A. L. Wells in Entomology for research on insects infesting field and truck crops.
42. Grant of \$500 from E & M Laboratories, Inc., Elmsford, N.Y., to be used under the direction of R. F. Ruppel in Entomology on control of forage crop pests; field and crop insect control.

B. GIFTS AND GRANTS, CONT.

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43. Grant of \$2,000 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of A. J. Howitt in Entomology for research on the bionomics and control of the American plum borer attacking cherries.
44. Grant of \$2,250 from the Michigan Association of Cherry Producers, Lansing, to be used under the direction of G. W. Bird in Entomology for research on nematode control for the development and maintenance of healthy cherry orchard.
45. Grant of \$1,000 from the Upjohn Co., Kalamazoo, to be used under the direction of A. J. Howitt in Entomology for research on fruit tree insects.
46. Grant of \$60,000 from the U.S. Department of Agriculture to be used under the direction of R. Carde in Entomology for research on the synthesis of (+)-disparlure and male behavioral responses of the gypsy moth to pheromone.
47. Grant of \$500 from the Michigan Dairy Foods Association, Lansing, to be used under the direction of L. G. Harmon in Food Science and Human Nutrition to defray costs of the American Dairy Science-American Association of Animal Science meeting to be held at MSU, summer 1978.
48. Grant of \$50 from the Michigan Guernsey Breeders Assoc., Hemlock, to be used under the direction of L. G. Harmon in Food Science and Human Nutrition to defray costs of the American Dairy Science-American Association of Animal Science meeting to be held at MSU, summer 1978.
49. Grant of \$250 from the Michigan Holstein-Friesian Assoc., Inc., Marshall, to be used under the direction of L. G. Harmon in Food Science and Human Nutrition to defray costs of the American Dairy Science-American Association of Animal Science meeting to be held at MSU, summer 1978.
50. Grant of \$500 from the Michigan Live Stock Exchange, Manchester, to be used under the direction of L. G. Harmon in Food Science and Human Nutrition to defray costs of the American Dairy Science-American Association of Animal Science meeting to be held at MSU, summer 1978.
51. Grant of \$15,000 from the Michigan Heart Association, Southfield, to be used under the direction of R. B. Young in Food Science and Human Nutrition to study specific mRNA metabolism in muscle cell cultures.
52. Grant of \$100 from the MSU Food Science Club, East Lansing, to be used under the direction of A. L. Rippen in Food Science and Human Nutrition for supplies and international and domestic travel for departmental judging teams.
53. Grant of \$5 from Mr. and Mrs. James L. Black, Dowagiac, to be used under the direction of G. S. Howell in Horticulture to support research in production problems of grape growers.
54. Grant of \$150 from I L V Limited, Eau Claire, to be used under the direction of G. S. Howell in Horticulture to support research in production problems of grape growers.
55. Grant of \$10 from Ernie and Laurie Seweych, to be used under the direction of G. S. Howell in Horticulture to support research in production problems of grape growers.
56. Grant of \$4,000 from EM Laboratories, Inc., Elmsford, N.Y., to be used under the direction of B. B. Dean in Horticulture for developing chlorflurenol for increasing yields of pickling cucumbers.
57. Grant of \$1,000 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of J. Hull in Horticulture to evaluate techniques to obtain maximum tree size and bearing surface on spur type sour cherry trees before onset of fruiting and to evaluate tree densities for hedgerow plantings with spur and standard type Montmorency cherry trees.
58. Grant of \$1,500 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of J. Flore in Horticulture for research on light distribution in cherry tree canopies, in relation to fruit growth, flower bud initiation, uniformity of ripening and vegetative growth.
59. Grant of \$2,500 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of R. F. Carlson in Horticulture to produce cherry trees by budding several combinations using clonal rootstocks and MC cherry selections, sour "Montmorency" selections and regular "montmorency" and to get these into test plantings as soon as possible.
60. Grant of \$4,000 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of R. L. Andersen in Horticulture for tart cherry breeding - to develop new cultivars.
61. Grant of \$4,250 from the Michigan Association of Cherry Producers, East Lansing, to be used under the direction of C. Kesner in Horticulture to support ongoing research aimed at the evaluation of the hedgerow technique for growing cherries.
62. Grant of \$50 from the Okemos Branch, Women's National Farm and Garden Association, Okemos, to be used under the direction of W. Carlson in Horticulture to support ongoing bedding plant programs.

B. GIFTS AND GRANTS, cont.

April 27-28, 1978

Gifts and
Grants

63. Grant of \$1,000 from Takii & Company, Ltd, Kyoto, Japan, to be used under the direction of L. Baker in Horticulture for ongoing hybrid carrot breeding research.
64. Unrestricted grant of \$3,000 from the American Can Co., Greenwich, Conn., to be used under the direction of C. J. Mackson in the School of Packaging.
65. Grant of \$43,668 from The National Endowment for the Humanities, Washington, D.C., to be used under the direction of E. F. Carlisle in English for a summer seminar for college teachers. Topic: The Functions of Discourse in Science and Literature.
66. Grant of \$6,900 from the Greater Lansing Opera Guild to be used under the direction of D. Burkh in Music for greater support for the Opera Guild.
67. Unrestricted grant of \$100 from Jon Hartman, Utica, to be used under the direction of A. J. Lewis in the Dean's Office, College of Business.
68. Grant of \$3,500 from Haskins & Sells Foundation, Inc., New York, N.Y., to be used under the direction of H. M. Sollenberger in Accounting and Financial Administration for the Fellowship Fund.
69. Grant of \$1,000 from the Lincoln Telephone and Telegraph Co., Lincoln, Nebraska, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
70. Grant of \$1,000 from Scholl, Inc., Chicago, Ill., to be used under the direction of G. E. Miracle in Advertising to support student development and presentation of Advertising Campaign Strategy as part of ADV 486 course requirement.
71. Grant of \$180 from the Food and Agriculture Organization of United Nations, Rome, Italy, to be used under the direction of R. C. Morris in Communication for the development and presentation of workshops which introduce the participants to principles of effective communication and management and to the role of communication in the modernization process.
72. Grant of \$689.62 from the American Alliance for HPE&R to be used under the direction of R. Niemeyer in the Dean's Office, College of Education, for operating expenses for the Outdoor Education Project.
73. Grants totaling \$1,200 from various school to be used under the direction of F. R. Ignatovich and S. Hecker in Administration and Higher Education to produce enrollment projections for specified school districts.
74. Grant of \$1,200 from Stephen J. and Anne E. Hatch, East Lansing, to be used under the direction of J. L. Bristol in Health, Physical Education and Recreation for the development implementation of the Leisure Education Project.
75. Grant of \$40,545 from the Michigan State Department of Education to be used under the direction of J. A. Wessel in Health, Physical Education and Recreation for inservice training and implementation of systematic instruction for the handicapped.
76. Grant of \$300 from the Michigan Council for the Social Studies, East Lansing, to be used under the direction of R. Niemeyer in Student Teaching and Professional Development to cover duplication, phone and mailing charge of Michigan Council for the Social Studies.
77. Grant of \$200 from the Boeing Co., Seattle, Wash., to be used under the direction of W. Baker in the Dean's Office, College of Engineering, for unrestricted support of women's programs.
78. Grant of \$10,000 from the Air Force Office of Scientific Research, Bolling AFB, D.C., to be used under the direction of H. D. Hughes in the Division of Engineering Research to provide additional tools and insight for attacking workload characterization and performance measurements problems.
79. Grant of \$23,400 from the Committee on Institutional Cooperation, Evanston, Ill., to be used under the direction of H. D. Hughes in the Division of Engineering Research to bring ethnic minority students into more meaningful participation in engineering and related fields.
80. Grant of \$19,170 from the Ingham Intermediate School District, Mason, to be used under the direction of J. B. Eulenberg, M. A. Rahimi, and R. J. Reid in the Division of Engineering Research for artificial language for severely physically impaired students.
81. Grant of \$3,000 from the Upper Great Lakes Regional Commission, Lansing, to be used under the direction of O. Krauss in the Division of Engineering Research for a small hydropower regional conference.
82. Grant of \$1,022.50 (40 shares of Dow Chemical stock) from Mr. and Mrs. R. W. Caldwell, Midland, to be used under the direction of D. K. Anderson in Chemical Engineering for the Richard W. Caldwell Chemical Engineering Fund.

B. GIFTS AND GRANTS, cont.

April 27-28, 1978

83. Grant of \$383.44 (15 shares of Dow Chemical stock) from Mr. and Mrs. Gerald Pearson, Midland, to be used under the direction of D. K. Anderson in Chemical Engineering.
84. Grant of \$500 from the UOP Foundation, Des Plaines, Ill., to be used under the direction of D. K. Anderson in Chemical Engineering.
85. Grant of \$2,000 from ITT Continental Baking Co., Inc., Rye, N. Y., to be used under the direction of O. Mickelsen and G. A. Leveille in Food Science and Human Nutrition to cover expenses incurred by Dr. Mickelsen in his study to evaluate the influence of dietary cellulose on zinc metabolism in human subjects.
86. Grant of \$55,745 from the National Institute of Health to be used under the direction of D. R. Romsos in Food Science and Human Nutrition to determine the influence of various dietary factors on carbohydrate and lipid metabolism and on the mechanisms responsible.
87. Grant of \$5,000 from Gerber Products Co., Fremont, to be used under the direction of C. Ritenbaugh in Anthropology for research on the relationship of maternal and infant nutrition to weight gain.
88. Grant of \$100,327 from the National Institute of Child Health and Human Development, to be used under the direction of N. Edward Tolbert in Biochemistry for research on the peroxisomes in developing liver and kidney.
89. Grant of \$156,325 from the W. K. Kellogg Foundation, Battle Creek, to be used under the direction of R. J. Gerard in Family Practice for continue development of the department and its community-based educational programs.
90. Grant of \$13,265 from the Michigan Heart Association, Lansing, to be used under the direction of M. D. Bailie in Human Development for invitro studies on the secretion of inactive renin.
91. Grant of \$200 from Abbott Scientific Products, Los Angeles, Calif., to be used under the direction of D. Greenbaum in Medicine to pay for a speaker at Medicine Grand Rounds.
92. Grant of \$17,079 from the Michigan Department of Public Health to be used under the direction of G. Mayor in Medicine for the development of appropriate bone mineral standards for blacks.
93. Grant of \$41,070 from the Michigan Department of Public Health to be used under the direction of G. Mayor in Medicine for research on whether hepatitis in patients with end-state renal disease and their contacts can be detected or prevented.
94. Grant of \$14,687 from the Michigan Heart Association, Southfield, to be used under the direction of D. Rovner in Medicine for research on alternative forms of renin in human hypertension.
95. Grant of \$100 from Marquis and Linda Smith, Royal Oak, to be used under the direction of G. Mayer in Medicine for nephrology program development.
96. Grant of \$4,988 from the Montefiore Hospital Association, Pittsburgh, Pa., to be used under the direction of S. Siew in Pathology for pathology-electron microscopy; a transfer of grant funds.
97. Grant of \$9,700 from the Michigan Heart Association, Southfield, to be used under the direction of T. Akera in Pharmacology for research on sodium flux, Na,K-ATPase and myocardial contractility.
98. Grant of \$11,802 from the Michigan Heart Association, Southfield, to be used under the direction of G. L. Gebber in Pharmacology for recurrent inhibition of spinal sympathetic neurons.
99. Grant of \$44,676 from the National Institute of General Medical Science to be used under the direction of A. M. Michelakis in Pharmacology for clinical pharmacology training.
100. Grant of \$4,200 from the County of Kent, Grand Rapids, to be used under the direction of N. B. Enzer in Psychiatry for the Psychiatry Residency Training Program.
101. Grant of \$189.40 from the American Association for the Advancement of Science to be used under the direction of J. R. Brandou in the Dean's Office, College of Natural Science, for travel support for participants in the Chautauqua-type short courses.
102. Grant of \$7,865.33 from the Department of the Air Force to be used under the direction of R. F. Stein in Astronomy and Astrophysics to calculate the driving of solar atmospheric oscillations in quiet regions and sunspots, and calculate the hearing of the solar chromosphere and corona by acoustic-gravity and magneto-acoustic gravity waves, including effects and radiative energy transfer.

B. GIFTS AND GRANTS, cont.

April 27-28, 1978

Gifts and
Grants

103. Grant of \$10,000 from the National Aeronautics and Space Administration to be used under the direction of R. F. Stein in Astronomy and Astrophysics for studies of solar atmospheric dynamics.
104. Grant of \$900 from the Dow Chemical Co., Midland, to be used under the direction of R. Barker in Biochemistry for department miscellaneous.
105. Grant of \$20,000 from Engelhard Industries, Newark, N.J., to be used under the direction of B. Rosenberg in Biophysics for the investigation of the anti-tumor activities of platinum compounds.
106. Grant of \$25,000 from Engelhard Industries, Newark, N.J., to be used under the direction of B. Rosenberg in Biophysics for the investigation of the anti-tumor activity of platinum compounds; to be used for post- and predoctoral fellowships and other necessary supplies, equipment and travel.
107. Grant of \$20,000 from Matthey-Bishop, Inc. Malvern, Pa., to be used under the direction of B. Rosenberg in Biophysics for research on the biological effects of platinum group compounds in cancer chemotherapy.
108. Grant of \$30,000 from Matthey-Bishop, Inc., Malvern, Pa., to be used under the direction of B. Rosenberg in Biophysics for research on the biological effects of platinum group metal compounds in cancer chemotherapy; fellowships.
109. Grant of \$2,400 from the Energy Research and Development Administration to be used under the direction of P. G. Murphy in Botany and Plant Pathology for a study being conducted in northern Wisconsin to determine the effects of ionizing radiation on the tree species composition of the ecotone between and of two adjacent forest types.
110. Grant of \$59,600 from the National Science Foundation to be used under the direction of N. E. Good in Botany and Plant Pathology for research on the bioenergetic aspects of photosynthesis.
111. Grant of \$15,000 from the Michigan Heart Association to be used under the direction of A. Tulinsky in Chemistry for crystallographic studies of blood clotting enzymes.
112. Grant of \$24,900 from the National Science Foundation to be used under the direction of T. A. Vogel in Geology for research on the origin of coexisting acidic and basic melts: the net veined complex at Mount Desert Island, Maine.
113. Grant of \$88,000 from the National Science Foundation to be used under the direction of L. R. Snyder in Microbiology and Public Health for research on the role of DNA Phosphate--Shuttling in Biological Regulation.
114. Grant of \$2,000 from the University of Cambridge, Department of Physics, Cavendish Laboratory, Cambridge, England, to be used under the direction of G. A. Smith in Physics for research on high energy interactions.
115. Grant of \$14,915 from the Michigan Heart Association, Southfield, to be used under the direction of G. D. Fink in Pharmacology for research on the nervous system in experimental hypertension.
116. Grant of \$15,630 from John Ruggles and Associates, Mt. Pleasant, to be used under the direction of C. Johnson in Psychology for the evaluation of human service programs.
117. Grant of \$8,896.28 from the Michigan Department of State Highways and Transportation to be used under the direction of R. E. Hamlin in Urban Planning and Landscape Architecture to provide supplemental staff and technical advice for preparation of computerized base maps and implementation of computer graphics.
118. Grant of \$1,500 from the Michigan Office of Criminal Justice, Lansing, to be used under the direction of P. M. Marcus in the Social Science Research Bureau for MEP juvenile data analyses.
119. Grant of \$750 from New Detroit, Inc., to be used under the direction of E. Pettigrew in Urban and Metropolitan Studies for a research conference on metropolitan agricultural systems.
120. Grant of \$11,721 from the Michigan Heart Association to be used under the direction of R. A. Roth, Jr. in Pharmacology for research on pulmonary biogenic amine disposition and hypertension.
121. Grant of \$15,000 from the Michigan Heart Association, Southfield, to be used under the direction of J. B. Hook in Pharmacology for research on Furosemide on renal prostaglandin metabolism.
122. Grant of \$15,595 from the Environmental Protection Agency to be used under the direction of C. E. DeHaven in Lifelong Learning for the creation of an instructor's manual to accompany the correspondence course package titled, "Supervisory Management in the Water/Wastewater Field."

B. GIFTS AND GRANTS, cont.

April 27-28, 1978

123. Grant of \$50 from Apiaries-Walker & Son, Milford, to be used under the direction of C. Wells and R. Rentschler in the Continuing Education Services for support of conference activities for "The Politics of Food Conference" April 7-8, 1978.
124. Grant of \$500 from Borman's Inc., Detroit, to be used under the direction of C. Wells and R. Rentschler in the Continuing Education Service in support of the conference activities for "The Politics of Food Conference" April 7-8, 1978.
125. Grant of \$100 from Frigid Food Products, Inc., Detroit, to be used under the direction of C. Wells and R. Rentschler in the Continuing Education Service in support of conference activities for "The Politics of Food Conference, April 7-8, 1978.
126. Grant of \$100 from the New Era Canning Co., New Era, to be used under the direction of C. Wells and R. Rentschler in the Continuing Education Service in support of the conference activities for "The Politics of Food Conference" April 7-8, 1978.
127. Grant of \$50 from Susan Whittemore, Detroit, to be used under the direction of R. Rentschler in the Continuing Education Service in support of activities connected with "The Politics of Food Conference" April 7-8, 1978.
128. Grant of \$500 from Farm Foundation, Oak Brook, Ill., to be used under the direction of C. Wells in the Continuing Education Service to help defray expenses of conference "Great Lakes Church Leadership School" for July 1978.
129. Grant of \$9,300 from the Michigan Office of Highway Safety Planning, Lansing to be used under the direction of D. L. Smith in the Highway Traffic Safety Center to conduct three workshops on teacher preparation in motorcycle safety education.
130. Grant of \$11,100 from the Michigan Office of Highway Safety Planning, Lansing, to be used under the direction of D. L. Smith in the Highway Traffic Safety Center to improve the relationship between schools and automobile dealers to the point where the driver education programs may function successfully.
131. Grant of \$2,055 from the Midwest Universities Consortium for International Activities, Inc., Madison, Wis., to be used under the direction of R. H. Smuckler in International Studies and Activities for support for overseas orientation travel for John Bruff, Vice Chairman of the MSU Board of Trustees.
132. Grant of \$17,611 from the Corporation for Public Broadcasting, Washington, D.C., to be used under the direction of R. D. Page in Instructional and Public TV for minority training.
133. Grants totaling \$2,940 from various donors to be used under the direction of R. D. Page in Instructional and Public Television to underwrite programs and support activities of public television.
134. Grants totaling \$350 from various donors to be used under the direction of R. Estell in Radio Broadcasting to assist in operational expenses of sub-channel broadcasting for the blind and physically handicapped and for the purchase of receivers.
135. Grants totaling \$1,750 from various donors to be used under the direction of R. Estell in Radio Broadcasting to support the program activities of WKAR Radio.
136. Grant of \$1,634.90 from the Michigan Department of State, History Division, to be used under the direction of W. Lovis in the Museum for an archaeological survey of M-59, Oakland County.
137. Grant of \$15,117.48 from the Michigan Department of State, History Division, to be used under the direction of W. Lovis in the Museum to conduct an archaeological survey of U.S. 31, Mason County.
138. Grant of \$12,250 from the National Endowment for the Arts to be used under the direction of R. H. Baker in the Museum for renovation -- installation of smoke detecting system and east stairs.
139. Grant of \$50 from Mrs. James McMillan, Grosse Pointe Shores, to be used under the direction of M. Baron and F. W. Freeman in Campus Park and Planning for plant acquisition.
140. Grant of \$135,855.03 from the Markham Research Institute, Chicago, Ill., to be used under the direction of N. Elliott in the office of the Vice President for Business and Finance for an academic chair in chemistry or pharmacology under the MSU Enrichment Program; partial distribution of Estate of Dr. Joseph Zichis.*
141. Grant of \$92,908 from the National Institutes of Health to be used under the direction of J. E. Cantlon in the Office for Research and Graduate Studies; biomedical research support grant.

On motion by Trustee Radcliffe, seconded by Trustee Bruff, it was unanimously voted to accept the gifts and grants.

Vice President Cantlon reported that the national committee that advises the National Science Foundation and the U.S. Department of Energy had awarded the highest priority, nationally, to MSU's request for Phase II of the Cyclotron Project.

*Secretary's Office advised by Office of Vice President for Business and Finance on Dec. 14, 1978 that this gift was from the Markham Research Institute, not the Estate of Dr. Joseph Zichis.

C. BIDS AND CONTRACT AWARDS

April 27-28, 1978

Bids and Contract Awards

1. Biochemistry Building Alterations

Biochemistry Bldg. alterations

The following bids were received on April 6 for Biochemistry - Alterations to Rooms 7, 9, 11, 11A, 13, 13A, and 13B. This project involves architectural, mechanical, and electrical alterations to house a mass spectrometry facility and will provide space for additional computer and spectographic equipment.

<u>Contractor</u>	<u>Base Bid</u>
Charles Featherly Construction Co.	\$119,900
Hanel-Vance Construction Co.	122,500
Hausman Construction Co.	127,300
McNeilly Construction, Inc.	128,724

It is recommended that a contract be awarded to the Charles Featherly Construction Co. of Lansing in the amount of \$119,990, and that the following project budget be established:

Charles Featherly Construction Co.	\$119,990
Pre-purchased Mechanical Equipment	9,319
Contingencies	11,691
Estimating, Analyses, Conceptual and Final Design	10,000
Coordination and Expediting	5,000
Total Expected Expenditures	\$156,000

Funds to complete this project are available as follows:

NIH grant - Account 71-1056	\$ 48,000
General Fund - Account 11-8955	108,000
	\$156,000

RESOLVED that the above contract be awarded and project budget be established as recommended.

Approved by a vote of 6 to 0 on motion by Trustee Martin, seconded by Trustee Bruff. Trustee Carrigan-Strickland was not in the room at the time the vote was taken.

D. OTHER ITEMS FOR ACTION

Other Items for Action

1. Investment Items

Investment Transactions

a. Scudder, Stevens & Clark Transactions

Following policies adopted by the Board of Trustees, Scudder, Stevens & Clark completed investment transactions as reported in their tabulations dated March 14, 1978. (copy on file in the Secretary's Office).

RESOLVED that the Scudder, Stevens & Clark investment report be accepted.

Approved by a vote of 6 to 0 on motion by Trustee Radcliffe, seconded by Trustee Krolikowski. Trustee Carrigan-Strickland was not in the room at the time the vote was taken.

b. Report of the Trustee Investment Committee

Participation in The Common Fund for short-term investments

In administering the investment of the daily cash balances, the objective is to maximize interest income by keeping these balances invested at all times in high-grade financial instruments. To assure adequate liquidity, the primary emphasis is on short-term securities such as (1) obligations of the United States of America, (2) obligations of commercial banks or bank holding companies which include certificates of deposit, bankers acceptances, commercial paper and notes, and (3) obligations of corporations which include commercial paper and notes. The Board of Trustees periodically approves policies for the investment of these daily cash balances.

The Common Fund for Short-Term Investments is an organization which manages cash pool investments for educational institutions. It was organized by The Common Fund, which performs a similar service for educational endowments and with which Michigan State University has invested funds since 1972. Their objective to maximize total return is based on gauging the trend of interest rates, with the average portfolio maturity being lengthened in anticipation of declining rates and rising security prices, or shortening the average maturity when rising rates and falling prices are expected. These are occasions when The Common Fund rate is higher than that which can be obtained elsewhere by the University, particularly when very short maturities (less than 30 days) are involved.

Upon the recommendation of the administrative staff, the Trustee Investment Committee recommends that an appropriate resolution be prepared and executed to allow Michigan State University to participate in The Common Fund as another short-term investment vehicle when it would be to the University's advantage because of market conditions.

RESOLVED that the University join The Common Fund for Short-Term investments as recommended.

Approved by a vote of 6 to 0 on motion by Trustee Stevens, seconded by Trustee Radcliffe. Trustee Carrigan Strickland was not in the room at the time the vote was taken.

Other Items
for Action

D. OTHER ITEMS FOR ACTION, cont.

April 27-28, 1978

Budget Adjust-
ments to
Alteration
Projects

2. Budget Adjustments to Alteration Projects

Following is a report of budget adjustments to alteration projects previously approved by the Board of Trustees:

a. Clothes Dryers for Dormitory Buildings

At its June 24, 1977 meeting, the Board of Trustees approved the installation of clothes dryers for various dormitory buildings at a total budget of \$49,500. This project has subsequently been modified to include the installation of two steam traps rather than one which was in the original bid specifications. The project cost will increase by \$10,500 for a revised budget of \$60,000. This project has been funded out of auxiliary funds.

b. Cyclotron Building Addition

Also approved at the June 24, 1977 meeting was the addition to the Cyclotron Building for a total project cost of \$313,789. The University was unable to purchase matching brick for the exterior of the building and, consequently, chose to install limestone panels. This change cost an additional \$36,000 for a revised construction budget of \$349,789. This project has been funded from the General Fund.

RESOLVED that the above revised construction reports be accepted.

Unanimously approved on motion by Trustee Carrigan-Strickland, seconded by Trustee Stevens.

East Lansing
School System
Fees for Grades
K-12 for 1977-78

3. East Lansing Public School System

Since 1947 the University and the East Lansing Public School System have entered into various agreements under which the University reimbursed the School System for a share of the operating costs for K-12 students living in University housing. Representatives of the School System and the University are currently reviewing this relationship with the intent of recommending a new agreement. Until this action has been finalized, it is recommended for the 1977-78 school year that the fees paid by the University be approximately the same percentage as paid for the 1976-77 school year, i.e., 18% for elementary and 43% for secondary. This cost will be approximately \$479 at the elementary level and \$897 at the secondary level, for a total fee of approximately \$331,809. This compares to an actual fee of \$297,334 for 1976-77.

In addition, the University reimburses the City of East Lansing \$15,000 for a special language teacher and approximately \$14,000 for transportation costs.

RESOLVED that the above fee be paid as recommended.

Unanimously approved on motion by Trustee Bruff, seconded by Trustee Stevens.

Inst. for Water
Res. to report
to Colleges of
Nat. Sci. and
Agr. & Nat Res.

4. Institute for Water Research

The staff of the Institute for Water Research, the deans of the College of Natural Science and the College of Agriculture and Natural Resources, the Directors of the Agricultural Experiment Station and the Cooperative Extension Service, as well as the Vice President for Research and Graduate Studies recommend the Institute be moved from the Office of the Vice President for Research and Graduate Studies to report jointly through the College of Natural Science and the College of Agriculture and Natural Resources.

RESOLVED that effective July 1, 1978 the Institute for Water Research will report jointly through the College of Natural Science and the College of Agriculture and Natural Resources.

Unanimously approved on motion by Trustee Bruff, seconded by Trustee Carrigan-Strickland.

Avon Players
Lease
Extended

5. Avon Players Lease

It is the recommendation of the Land and Physical Facilities Committee that the present lease with the Avon Players of Rochester, Michigan, on the 2.4 acre parking lot located at Washington Road, Stoney Creek Village, be extended for as long as the organization remains in existence.

RESOLVED that the above recommendation be approved.

Unanimously approved on motion by Trustee Martin, seconded by Trustee Bruff.

Additional
allocation
for Chemistry
Dept.

6. Chemistry Allocation

The Department of Chemistry has encountered exceptionally heavy cost increases on the purchase of chemicals and supplies this year. Since this department did not receive an increase in its supplies and services account to offset the heavy inflationary increase in costs, we are recommending that funds be added for the current year to meet these necessary costs.

RESOLVED that the Department of Chemistry be allocated \$58,000 additional funds to meet extraordinary costs in their Supplies and Services account.

Approved by a vote of 6 to 0 on motion by Trustee Bruff, seconded by Trustee Carrigan-Strickland. Trustee Radcliffe was out of the room at the time the vote was taken.

E. REPORTS TO THE BOARD

April 27-28, 1978

Reports to the Board

1. President's Report

President's Report

President Harden reported that progress continues to be made in improving campus safety. The lighting project is under way and an improved emergency campus communication system will be under way shortly. Mr. Bernit also is developing a program to provide more effective auxiliary safety services through improved training and identification of auxiliary personnel.

President Harden also reported that the Holden Hall housing options question had been settled amicably. In response to Trustee Carrigan-Strickland's question, Vice President Nonnamaker reported that the housing option in that hall will be co-ed by wing.

Holden Hall to have co-ed by wing housing option

2. Board Committee Reports

Board Committee Reports

Audit Committee

Audit Comm.

Trustee Stack reported that in its morning meeting the Committee heard a report from Ernst & Ernst regarding plans for the audit for the fiscal year ending June 30, 1978.

Health Programs Committee

Health Programs Comm.

Trustee Stack also reported that at its meeting, the Health Programs Committee had an extensive discussion with the deans of the Colleges of Human, Veterinary, and Osteopathic Medicine regarding their residency, postgraduate and continuing education programs. A joint meeting of the Audit and Health Programs Committees will be scheduled to discuss mutual concerns about campus health programs and facilities.

Investment Committee

Investment Committee

Trustee Krolkowski reported that the Investment Committee received a report from the investment performance consultants, Callan & Associates, at its April 27 meeting. Another meeting with the consultants to outline the scope of their evaluation is scheduled in conjunction with the May Board meeting.

The Committee reviewed the exercise of the University proxies with respect to South African share holder proposals and all of the proposals were voted consistent with the resolution adopted by the Board at its March meeting.

The Committee received Scudder, Stevens & Clark's recommendations for investments. The Committee will study these recommendations and respond to Scudder, Stevens at the next meeting.

A review of the Retirement Program funding has been initiated and recommendations regarding this matter will be presented for action at a later Board meeting.

The Committee is planning a meeting at Hidden Lake Gardens to which all Board members will be invited.

The Investment Committee received a preliminary report from the University Committee on Academic Environment, the group charged with submitting proposals for implementing the resolution on investment in firms doing business in South Africa. A substantive report will be available at the May Board meeting.

3. Other Reports

Other Reports

Association of Governing Board Meeting

Assoc. of Gov. Boards Meeting

Trustee Carrigan-Strickland informed the Trustees that she is sending them a memorandum covering her attendance at the recent Association of Governing Boards meeting in San Francisco, particularly that portion of the meeting relating to the preliminary report of the AGB study on presidential selection.

She also reported that she and several other women participants had spoken to the AGB president regarding the possibility of moving the fall 1978 and spring 1979 AGB meetings from Chicago and Miami to locations in states that have ratified the Equal Rights Amendment. They were informed that it is probably too late to move either of these meetings. It was agreed that Trustee Carrigan-Strickland will draft a resolution for action at the May Board meeting requesting the AGB not to hold conventions in states that have not ratified the Equal Rights Amendment.

Trustee Martin, who also attended the AGB meeting, added his observations regarding the session on presidential selection and the breakfast for black trustees.

Presidential Search and Selection Advisory Committee

Pres. Search and Selection Advisory Comm.

Trustee Bruff reported on meetings of the Presidential Search and Selection Advisory Committee and its subcommittees. All Trustees have received a communication from the Committee stating that Dr. Robert Barker, Professor and Chairman, Department of Biochemistry, is the Committee's unanimous choice to serve as committee chairman. Under procedures adopted by the Board, the Committee and the Board of Trustees jointly select the chairperson.

Prof. & Chm. Robert Barker named chairman of Search and Selection Comm.

Trustee Bruff moved that the Board of Trustees join in the Committee's motion to appoint Robert Barker as chairperson of the Presidential Search and Selection Advisory Committee. Motion seconded by Trustee Carrigan-Strickland and unanimously carried.

C
f Reports to the
BoardE. REPORTS TO THE BOARD, cont.

April 27-28, 1978

B Trustees'
m Expenses4. Trustees' Expenses

Trustees' expenses paid in March 1978 totaled \$2,900.63, distributed as follows:

	<u>Bruff</u>	<u>Carrigan</u>	<u>Krolikowski</u>	<u>Martin</u>	<u>Radcliffe</u>	<u>Smydra</u>	<u>Stack</u>	<u>Stevens</u>
Long-distance Telephone Charges	\$35.17	\$ 11.25	\$ 2.30	--	\$ 23.65	\$ 301.47	\$ 3.52	\$ 3.73
Travel	--	367.45	--	--	490.00	674.35	--	53.25
Lodging and Subsistence	41.26	12.65	20.00	--	--	233.44	21.20	77.89
University Entertainment	--	--	--	--	78.41	51.71	--	--
Postage	1.43	7.55	--	--	--	8.66	--	14.69
Other	<u>3.50</u>	<u>109.00</u>	<u>--</u>	<u>\$109.00</u>	<u>27.89</u>	<u>116.21</u>	<u>--</u>	<u>--</u>
Total	\$81.36	\$507.90	\$22.30	\$109.00	\$619.95	\$1,385.84	\$24.72	\$149.56

Adjourned.

*Edgar L. Harden*_____
President*Elliot S. Ballard*_____
Secretary