

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

President Harden called the meeting to order in the Board Room in the Administration Building at 2:54 p.m., Thursday, July 27.

Present: Trustees Bruff, Carrigan-Strickland, Martin, Radcliffe, 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, Smydra and Stack.

1. Approval of Proposed Agenda

Motion was made by Trustee Bruff, seconded by Trustee Radcliffe to approve the agenda. Unanimously carried.

2. Approval of June 22-23 Minutes

On motion by Trustee Radcliffe, seconded by Trustee Carrigan-Strickland, it was unanimously voted to approve the minutes of the June 22-23 Board meeting.

Recessed at 2:55 p.m.

Trustee Krolikowski arrived during the recess.

The Trustees heard public comments beginning at 7:30 p.m. in the Lincoln Room, Kellogg Center.

The meeting reconvened at 10:05 a.m., July 28, in the Board Room in the Administration Building.

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

Absent: Trustee Stack.

A. PERSONNEL CHANGES

Resignations and Terminations

1. Ila M. Schroll, County Extension 4-H Home Economist, Ionia County, August 31, 1978, because of relocation of spouse to another area.
2. Delores L. Verriett, Extension 4-H Youth Agent, Wayne and Oakland Counties, June 13, 1978, because she is unhappy with her work and has health problems.
3. Wayne L. Myers, Associate Professor, Forestry, July 31, 1978, to accept a better offer from Pennsylvania State University.
4. Michael J. Walterscheidt, Assistant Professor, Forestry, August 31, 1978, to accept a better offer from Texas A & M University.
5. Ellen K. Parisian, Assistant Professor, Business Law and Office Administration, effective August 31, 1978.
6. James M. Tolliver, Assistant Professor, Management, August 31, 1978, to accept a position at the University of Calgary.
7. Henry L. Tosi, Professor, Management, August 31, 1978, to accept a position at the University of Florida, Gainesville.
8. Marcia J. Carter, Assistant Professor, Health, Physical Education and Recreation, August 31, 1978, to accept a position at the University of Tennessee, Knoxville.
9. Robert F. Blanks, Associate Professor, Chemical Engineering; Engineering Research; and Food Science and Human Nutrition, effective June 30, 1978.
10. William N. Sharpe, Jr., Professor, Metallurgy, Mechanics, and Materials Science, July 31, 1978, to accept a position at Louisiana State University.
11. Kent D. Bealmear, Assistant Professor, Medicine, effective July 31, 1978.
12. Horacio Fabrega, Professor, Psychiatry, effective September 14, 1978, to accept a position at the University of Pittsburgh.
13. Maurice V. Wiese, Associate Professor, Botany and Plant Pathology, effective June 30, 1978, to accept a position at the University of Idaho.

Personnel
Changes

Resignations and
Terminations

Personnel
Changes

A. PERSONNEL CHANGES, cont.

July 27-28, 1978

Resignations
and
Terminations

Resignations and Terminations, cont.

14. Neal R. Armstrong, Assistant Professor, Chemistry, August 31, 1978, to accept a position at the University of Arizona.
15. Robert H. Grubbs, Associate Professor, Chemistry, August 31, 1978, to accept a position in California.
16. Lynn R. Sousa, Assistant Professor, Chemistry, effective August 31, 1978.
17. David F. Gillespie, Assistant Professor, Social Work, August 31, 1978, to accept a position at Washington University.
18. John R. Mullin, Assistant Professor, Urban Planning and Landscape Architecture, August 31, 1978, to accept a position at the University of Massachusetts.
19. Mary D. Laing, Specialist, Intercollegiate Athletics, June 28, 1978, to accept a position off campus.
20. Susan L. More, Librarian III, Libraries, July 18, 1978, dissatisfied with position.
21. James W. Zerwick, Librarian I, Libraries, August 31, 1978, to accept a position elsewhere.
22. Andrew Hugine, Jr., Assistant Professor, Institutional Research, June 30, 1978, to accept a position in South Carolina.
23. James V. Stoneman, Associate Professor, Institutional Research, June 30, 1978, to accept a position at a private college in Florida.

Sabbatical
Leaves

Leaves--Sabbatical

1. John B. Gerrish, Associate Professor, Agricultural Engineering and the Institute of Agricultural Technology, with half pay, from September 1, 1979 through August 31, 1980; Fulbright-Hays Award; Bunda Agricultural College at the University of Malawi, Lilongwe, Malawi.
2. Donald Hillman, Professor, Dairy Science, with half pay, from September 1, 1978 through August 31, 1979, to study in Connecticut, Massachusetts, and East Lansing.
3. Robert S. Manthy, Professor, Forestry and Resource Development, with half pay, from April 16, 1979 through April 15, 1980, to study and travel throughout the United States, Europe, and Scandinavia.
4. Irving Z. Taran, Associate Professor, Art, with half pay, from September 1, 1978 through August 31, 1979, to study in New York, N.Y.
5. Raimund Belgardt, Professor and Chairman, German and Russian, with half pay, from September 1, 1978 through August 31, 1979, to study in the U.S.
6. Robert M. Slusser, Professor, History, with half pay, from January 1, 1979 through June 30, 1979, to study and write.
7. Subbiah Kannappan, Professor, Economics, with half pay, from September 1, 1978 through August 31, 1979, to study in the U.S. and Europe.
8. John L. Hazard, Professor, Marketing and Transportation Administration, with half pay, from January 1, 1979 through June 30, 1979, will serve as a visiting scholar at the Brookings Institution.
9. Louis Romano, Professor, Administration and Higher Education, with full pay, from December 16, 1979 through June 15, 1980, to study in Michigan.
10. Bonnie M. Morrison, Assistant Professor, Human Environment and Design, with half pay, September 15, 1978 through September 14, 1979, to study in Washington, D.C.
11. Albert W. Sparrow, Professor, Human Development, with half pay, from September 1, 1978 through August 31, 1979, to study at Harvard School of Public Health.
12. Harvey S. Davis, Associate Professor, Mathematics, with full pay, from May 1, 1979 through August 31, 1979, to study at the University of Delaware.
13. John J. Masterson, Associate Professor, Mathematics, with full pay, May 1, 1979 through August 31, 1979, to study in Rome, Italy.
14. Harold Hart, Professor, Chemistry, with full pay, from April 1, 1979 through June 30, 1979, to study in East Lansing.
15. Jack Bass, Professor, Physics, with half pay, from January 1, 1979 through December 31, 1979, to study and research in Europe and Israel.

A. PERSONNEL CHANGES, cont.

July 27-28, 1978

Personnel
ChangesLeaves--Sabbatical, cont.Sabbatical
Leaves

16. Edwin Kashy, Professor, Physics, with full pay, from January 1, 1979 through June 30, 1979, to study at the University of Paris, Orsay, France.
17. William P. Pratt, Jr., Associate Professor, Physics, with half pay, from September 1, 1978 through August 31, 1979, to study at the University of Lancaster, England.
18. Ethelbert Thomas, Jr., Professor, Social Work, with full pay, from January 1, 1979 through March 31, 1979, to study in the U.S.
19. Henry Silverman, Professor and Chairman, American Thought and Language, with full pay, from January 16, 1979 through July 15, 1979, to study at the University of Iowa.
20. Donald R. Come, Professor and Chairman, Social Science, with full pay, from October 1, 1978 through December 31, 1978, to study in the U.S.
21. Martha T. Thomas, Associate Professor, Pathology, with full pay, from January 1, 1979 through June 30, 1979, to work in a hospital laboratory.

Leaves--Medical

Medical Leaves

1. Maryann M. Beckman, District Extension Consumer Marketing Information Agent, Kalamazoo Area, with full pay, from July 1, 1978 through July 31, 1978.
2. Sheila S. Morley, Extension Specialist in Consumer Marketing Information, Cooperative Extension Service, with full pay, from July 15, 1978 through January 15, 1979.
3. Susan M. Stone, Extension Home Economist, Gladwin County, with full pay, from April 10, 1978 through June 16, 1978.
4. William Heusner, Professor, Health, Physical Education and Recreation, with full pay, from April 17, 1978 through September 18, 1978.

Leaves--Other

Other Leaves

1. John B. Gerrish, Associate Professor, Agricultural Engineering and the Institute of Agricultural Technology, without pay, from September 1, 1978 through August 31, 1979, awarded a Fulbright-Hays Award; Bunda Agricultural College, University of Malawi.
2. J. James Victoria, Professor, Art, without pay, from September 1, 1978 through August 31, 1979, to serve as a professor and consultant at Concordia University.
3. Sam S. Baskett, Professor, English, without pay, from September 1, 1978 through August 31, 1979; Hacettepe University, Ankara.
4. Diane Wakoski, Professor, English, without pay, from September 1, 1978 through December 31, 1978; visiting creative writing professor.
5. Stephen Botein, Assistant Professor, History, without pay, from September 1, 1978 through August 31, 1979, to study and research at Princeton University.
6. Aaron S. Gurwitz, Assistant Professor, Economics, without pay, from September 1, 1978 through August 31, 1979, to study at The Rand Corporation.
7. Mark L. Ladenson, Associate Professor, Economics, without pay, from September 1, 1978 through August 31, 1979; faculty fellowship at U.S. General Accounting Office.
8. Daniel B. Suits, Professor, Economics, without pay, from January 1, 1979 through April 30, 1979, to serve as a senior fellow at the East-West Population Institute, Honolulu, Hawaii.
9. Richard F. Gonzalez, Professor, Management, without pay, from September 1, 1978 through August 31, 1979, to serve as a visiting professor at the University of Texas, Austin.
10. Eugene A. Dolanski, Associate Professor, Human Development, without pay, from July 1, 1978 through June 30, 1979, to direct neonatal unit at Sparrow Hospital.
11. Frederick M. Bernthal, Associate Professor, Chemistry and the MSU/NSF Heavy Ion Laboratory, without pay, from November 1, 1978 through August 31, 1979, awarded an American Physical Society Congressional Scientist Fellowship fro 1978-79 in Washington, D.C.
12. Glenda L. Lappan, Associate Professor, Mathematics, without pay, from September 1, 1978 through August 31, 1979, to study and travel in England.
13. Jack Bass, Professor, Physics, without pay, from September 1, 1978 through December 31, 1978, to study and research in Europe and Israel.
14. Edwin Kashy, Professor, Physics, without pay, from October 1, 1978 through December 31, 1978, to study at the University of Paris, Orsay, France.

Personnel
ChangesA. PERSONNEL CHANGES, cont.

July 27-28, 1978

Other Leaves

Leaves--Other, cont.

15. J Evelyn Bonner, Specialist/Adviser, University College Student Affairs, without pay, from September 1, 1978 through December 31, 1978, for personal reasons.
16. Beth J. Shapiro, Librarian III, Libraries, without pay, from September 5, 1978 through November 8, 1978, to serve as a field coordinator for Congressman Carr.
17. Frank M. D'Itri, Professor, Institute of Water Research and Fisheries and Wildlife, without pay, from June 15, 1978 through September 15, 1978, to assist the University of Bahia, Brazil with water research capability.

Transfers and
Changes in
AssignmentTransfers and Changes in Assignment

1. Transfer for Judith Watson, Extension 4-H Youth Agent, from Midland, Bay and Saginaw Counties to Mackinac, Schoolcraft, Luce and Chippewa Counties, with an increase in salary to \$13,650 per year on a 12-month basis, effective September 1, 1978.
2. Designation of Larry J. Connor, Professor, as Chairman, Department of Agricultural Economics, with an increase in salary to \$35,218 per year on a 12-month basis, effective August 1, 1978.
3. Change Harold M. Riley from Professor and Chairman to Professor, Department of Agricultural Economics, and a change in salary in salary to \$37,400 per year on a 12-month basis, effective August 1, 1978.
4. Additional assignment for Loran L. Bieber, Professor, Biochemistry, as Associate Chairman, Biochemistry, effective July 1, 1978.
5. Dual assignment of Frank B. Dazzo, Assistant Professor, to Microbiology and Public Health and Crop and Soil Sciences, effective October 1, 1978.
6. Approved the following for Howard E. Johnson, Professor:
 - a. Dual assignment to Fisheries and Wildlife and Pesticide Research Center, effective July 1, 1978;
 - b. Cancellation of leave of absence effective July 1, 1978 through September 30, 1978.
7. Change Lee M. James from Professor and Chairman to Professor, Department of Forestry, effective August 10, 1978.
8. Change beginning date of appointment of Jack R. Giacini, Associate Professor, School of Packaging, from July 1, 1978 to October 1, 1978.
9. Dual assignment of Ralph Levine, Associate Professor, to Psychology and Park and Recreation Resources, effective September 1, 1978.
10. Additional assignment for Dennis R. Heldman, Professor and Chairman, Agricultural Engineering, as Professor, Institute of Agricultural Technology, effective July 1, 1978.
11. Dual assignment of Ernest H. Kidder, Professor, to Agricultural Engineering and the Institute of Agricultural Technology, effective July 1, 1978.
12. Dual assignment of C. Alan Rotz, Assistant Professor, to Agricultural Engineering and the Institute of Agricultural Technology, effective July 1, 1978.
13. Additional assignment for Darrell L. King, Professor, Institute for Water Research and Fisheries and Wildlife, as Acting Director, Institute for Water Research, with an increase in salary to \$29,900 per year on a 12-month basis, effective July 1, 1978.
14. Change resignation date of A. Thad Hegerberg, Assistant Professor, Department of Music, from July 31, 1978 to August 31, 1978.
15. Change John M. Hunter from Professor, Economics; Director, Latin American Studies Center; and Coordinator, Brazil MEC Project at a salary of \$37,000 per year, to Professor, Economics; and Director, Latin American Studies Center, at a salary of \$36,000 per year on a 12-month basis, effective September 1, 1978.
16. Approved the following for Rex E. Ray, Associate Professor, Secondary Education and Curriculum:
 - a. Cancellation of sabbatical leave with full pay effective July 1, 1978 through December 31, 1978;
 - b. Additional assignment to International Studies and Programs, assigned to Overseas-Nepal at an overseas salary of \$30,160 per year on a 12-month basis, effective July 20, 1978 through August 19, 1980; campus salary \$24,275 per year.
17. Approved the following for Ronald L. Kerber, Professor, Mechanical Engineering, Electrical Engineering and Systems Science, and Engineering Research, effective September 1, 1978 through August 31, 1980:
 - a. Additional assignment as Associate Director, Engineering Research;
 - b. Change from a 10-month basis at a salary of \$22,800 per year to a 12-month basis, at a salary of \$30,500 per year.

A. PERSONNEL CHANGES, cont.

July 27-28, 1978

Transfers and Changes in Assignment, cont.

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| | Personnel
Changes |
| | Transfers and
Changes in
Assignment |
| 18. Change of assignment for James V. Beck, Professor, from Mechanical Engineering and Engineering Research to Mechanical Engineering only, effective September 16, 1979. | James V. Beck |
| 19. Approved the following for Robert W. Summitt, effective September 1, 1978: | Robert W.
Summitt |
| a. Change from Professor and Chairman to Professor, Metallurgy, Mechanics and Materials Science; | |
| b. Change from a 12-month basis, at a salary of \$35,000 per year to a 10-month basis at a salary of \$27,040 per year. | |
| 20. Additional assignment as Assistant Dean for Lansing, College of Human Medicine, and an increase in salary to \$40,535 per year on a 12-month basis, effective July 1, 1978, for Sumer D. Verma, Associate Professor, Psychiatry and Medicine. | Sumer D. Verma |
| 21. Change of assignment for Rexford E. Carrow, Professor, from Anatomy, Pathology, and Dean's Office, College of Human Medicine, to Anatomy only, effective October 1, 1978. | Rexford E.
Carrow |
| 22. Change of assignment for John I. Johnson from Professor and Chairman, Biophysics, and Professor, Psychology and Zoology, to Professor, Biophysics, Psychology, and Zoology, effective July 1, 1978. | John I. Johnson |
| 23. Designation of H. Ti Tien, Professor, as Chairman, Department of Biophysics, effective July 1, 1978. | H. Ti Tien |
| 24. Approved the following for Marshall D. Hestenes, Associate Professor, Department of Mathematics: | Marshall D.
Hestenes |
| a. Additional assignment as Assistant Dean, College of Natural Science, effective July 1, 1978; | |
| b. Change from a 10-month basis at a salary of \$19,527 per year to a 12-month basis at a salary of \$28,000 per year, effective September 1, 1978. | |
| 25. Change Berle G. Reiter, Librarian II, Department of Mathematics, from 50% time to 100% time effective September 1, 1978. | Berle G.
Reiter |
| 26. Change Frank R. Peabody from Professor and Acting Associate Chairman to Professor and Associate Chairman, Department of Microbiology and Public Health, effective September 1, 1978. | Frank R.
Peabody |
| 27. Approved the following for Suzanne Brouse, School of Nursing: | Suzanne Brouse |
| a. Change from Assistant Professor and Assistant Director for Undergraduate Nursing, to Assistant Professor, effective June 1, 1978; | |
| b. Change from a 12-month basis, at a salary of \$21,900 per year to a 10-month basis at a salary of \$17,520 per year, effective September 1, 1978. | |
| 28. Change of assignment for Brigitte Jordan, Assistant Professor, from Anthropology and Community Health Science to Anthropology only, effective July 1, 1978. | Brigitte Jordan |
| 29. Change in sabbatical leave dates for Philip E. Greenman, Professor, Biomechanics, and Associate Dean for Academic Affairs, College of Osteopathic Medicine, from October 1, 1978 through March 31, 1979, to September 1, 1978 through February 28, 1979. | Philip E.
Greenman |
| 30. Transfer Charles D. Tweedle, Associate Professor, from Biomechanics and Zoology to Anatomy and Zoology, effective March 1, 1978. | Charles D.
Tweedle |
| 31. Change sabbatical leave of absence dates for Bernard Gallin, Professor and Chairman, Department of Anthropology, from August 16, 1978 through August 15, 1979 to August 4, 1978 through August 3, 1979. | Bernard Gallin |
| 32. Change of assignment for Brigitte Jordan, Assistant Professor, from Anthropology and Community Health Science to Anthropology only, effective July 1, 1978. (Dup. of item 28) | Brigitte Jordan |
| 33. Change sabbatical leave of absence dates for Jack F. Williams, Assistant Professor, Geography, from September 1, 1978 through August 31, 1979, to January 1, 1979 through December 31, 1979. | Jack F. Williams |
| 34. Additional assignment for Norman Abeles, Professor, Counseling Center and Psychology, as Director, Psychological Clinic, effective September 1, 1978. | Norman Abeles |
| 35. Change Barbara Riemer, Assistant Professor, Psychology, from 100% time to 50% time, effective October 1, 1978 through August 31, 1979. | Barbara Riemer |
| 36. Approved the following for Thomas L. Conner, Professor, Department of Sociology, effective September 1, 1978: | Thomas L. Conner |
| a. Additional assignment as Associate Chairman, Department of Sociology; | |
| b. Change from a 10-month basis at a salary of \$23,100 per year to a 12-month basis at a salary of \$29,375 per year. | |
| 37. Approved the following for Christopher K. Vanderpool, effective September 1, 1978: | Christopher K.
Vanderpool |
| a. Change from Associate Professor and Associate Chairman to Associate Professor, Department of Sociology; | |
| b. Change from a 12-month basis at a salary of \$24,770 per year to a 10-month basis at a salary of \$19,420 per year. | |

Personnel
Changes

A. PERSONNEL CHANGES, cont.

July 27-28, 1978

Transfers and Changes in Assignment, cont.Transfers and
Changes in
AssignmentPhilip M.
Marcus

38. Approved the following for Philip M. Marcus, effective September 1, 1978:
- Change from Professor, Department of Sociology and Acting Director, Social Science Research Bureau, to Professor, Department of Sociology, and Director, Social Science Research Bureau;
 - Change from a 10-month basis at a salary of \$27,000 per year to a 12-month basis at a salary of \$34,960 per year.

Harry
Perlstadt

39. Change ending date of leave of absence for Harry Perlstadt, Assistant Professor, Departments of Sociology and Community Health Science, from June 30, 1978 to June 15, 1978.

Floyd D.
Barrows

40. Approved the following for Floyd D. Barrows, Professor, Department of Humanities, effective September 1, 1978:
- Additional assignment as Assistant Chairman, Department of Humanities;
 - Change from a 10-month basis at a salary of \$20,751 per year to a 12-month basis at a salary of \$25,939 per year.

F. DeWitt
Platt

41. Change F. DeWitt Platt from Professor and Assistant Chairman, Department of Humanities, at a salary of \$25,912 per year on a 12-month basis, to Professor and Chairman, Department of Humanities, at a salary of \$28,112 per year on a 12-month basis, effective July 1, 1978.

Karl F.
Thompson

42. Approved the following for Karl F. Thompson:
- Change from Professor and Chairman to Professor, Department of Humanities, effective July 1, 1978;
 - Change from a 12-month basis at a salary of \$37,611 per year to a 10-month basis at a salary of \$30,089 per year, effective September 1, 1978.

Peter T.
McGovern

43. Additional assignment for Peter T. McGovern, Associate Professor, Department of Anatomy, as Associate Chairman, Department of Anatomy, with an increase in salary to \$27,030 per year on a 12-month basis, effective July 1, 1978.

William F.
Riley

44. Additional assignment for William F. Riley, Professor, Large Animal Surgery and Medicine, as Associate Chairman, Large Animal Surgery and Medicine, with an increase in salary to \$36,300 per year on a 12-month basis, effective July 1, 1978.

Norman E.
Robinson

45. Change Norman E. Robinson from Professor and Associate Chairman, Large Animal Surgery and Medicine, and Professor, Physiology, at a salary of \$31,000 per year on a 12-month basis, to Professor, Large Animal Surgery and Medicine and Physiology, at a salary of \$30,400 per year on a 12-month basis, effective July 1, 1978.

Howard D.
Stowe

46. Change Howard D. Stowe, Associate Professor, Large Animal Surgery and Medicine; Animal Husbandry; and Food Science and Human Nutrition, from a 10-month basis at a salary of \$22,050 per year, to a 12-month basis at a salary of \$27,562 per year, effective September 1, 1978.

Armand L.
Hunter

47. Establishment of the dates of July 1, 1978 through June 30, 1979 for a one-year terminal consultantship for Armand L. Hunter, Professor, Administration and Higher Education; Director, Continuing Education; and Dean, Lifelong Education Programs.

Frederick
Vanosdall

48. Change Frederick Vanosdall from Specialist and Acting Director, Highway Traffic Safety Center, at a salary of \$26,700 per year on a 12-month basis, to Specialist, Highway Traffic Safety Center, at a salary of \$25,500 per year on a 12-month basis, effective July 1, 1978.

Florence
Harris

49. Additional assignment for Florence Harris, Specialist and Assistant Director, Office of Special Programs, as Specialist, Office of Supportive Services, effective July 1, 1978. Third two-year probationary appointment in Job Security System begins July 1, 1978.

Lou Anna
Simon

50. Change Lou Anna Simon from Assistant Professor, Office of Institutional Research, at a salary of \$19,455 per year, to Assistant Professor and Assistant Director, Office of Institutional Research, at a salary of \$20,600 per year on a 12-month basis, effective July 1, 1978.

Mohammad A.
Issari

51. Change dates of sabbatical leave of absence for Mohammad A. Issari, Professor, Instructional Media Center and Telecommunication, from June 1, 1978 through November 30, 1978, to July 1, 1978 through December 31, 1978.

Marylee Davis

52. Change Marylee Davis from Assistant Professor, Administration and Higher Education, and Special Assistant to the Executive Vice President, at a salary of \$24,000 per year on a 12-month basis, to Assistant Professor, Administration and Higher Education, and Assistant Vice President, Executive Vice President, at a salary of \$25,000 per year on a 12-month basis, effective July 1, 1978.

Robert L.
Siefert

53. Approved the following for Robert L. Siefert:
- Change from University Architect AP-17 to University Architect and Director, Facilities Planning and Management, AP-17, Executive Vice President, effective February 3, 1978;
 - Increase in salary to \$30,460 per year on a 12-month basis, effective July 1, 1978.

A. PERSONNEL CHANGES, cont.

July 27-28, 1978

Personnel
Changes
Salary ChangesSalary Changes

1. Increase in salary for Emily Z. Tabuteau, Assistant Professor, History, to \$13,500 per year on a 10-month basis, effective July 1, 1978.
2. Increase in salary for Richard White, Assistant Professor, History, to \$14,000 per year on a 10-month basis, effective July 1, 1978.
3. Increase in salary for L. Paul Benningfield, Assistant Professor, Music, to \$17,810 per year on a 10-month basis, effective July 1, 1978.
4. Increase in salary for Julius R. Hoffman, Professor, Entomology; and Assistant Dean, College of Natural Science, to \$32,200 per year on a 12-month basis, effective July 1, 1978.
5. Increase in salary for Earl E. Werner, Assistant Professor, Kellogg Biological Station and Zoology, to \$20,850 per year on a 12-month basis, effective May 1, 1978.
6. Increase in salary for Donald L. Monson, Assistant Basketball Coach, Intercollegiate Athletics, to \$25,000 per year, subject to contract, effective July 1, 1978 through June 30, 1979.

Appointments

Appointments

1. Rebecca R. Counsellor, Extension Home Economist, Alcona County, 50% time, at a full-time salary rate of \$14,000 per year on a 12-month basis, effective August 1, 1978. Subject to Cooperative Extension Service Continuing Employment System.
2. Richard A. Long, County Extension Director, Presque Isle County, at a salary of \$21,500 per year on a 12-month basis, effective July 15, 1978. Subject to Cooperative Extension Service Continuing Employment System.
3. Bernadette M. Sietz-Garbe, Extension 4-H Youth Agent, Washtenaw County, at a salary of \$12,250 per year on a 12-month basis, effective August 1, 1978. Subject to Cooperative Extension Service Continuing Employment System.
4. Robert R. Tritten, County Extension Horticultural Agent, Genesee County, at a salary of \$12,500 per year on a 12-month basis, effective August 1, 1978. Subject to Cooperative Extension Service Continuing Employment System.
5. Joan E. Witter, Program Coordinator, Family Living Education, Cooperative Extension Service, 50% time, at a full-time salary rate of \$14,000 per year on a 12-month basis, effective September 1, 1978. Subject to Cooperative Extension Service Continuing Employment System.
6. Eileen O. van Ravenswaay, Assistant Professor, Agricultural Economics, in the tenure system, at a salary of \$21,500 per year on a 12-month basis, effective December 1, 1978.
7. Larry W. Tombaugh, Professor and Chairman, Forestry, with tenure, at a salary of \$45,000 per year on a 12-month basis, effective August 10, 1978.
8. James R. Clark, Assistant Professor, Horticulture and the Institute of Agricultural Technology, in the tenure system, at a salary of \$19,500 per year on a 12-month basis, effective August 1, 1978.
9. James A. Bruce, Specialist, Lifelong Education, Park and Recreation Resources and the Continuing Education Service, at a salary of \$26,000 per year on a 12-month basis, effective September 1, 1978 through August 31, 1980.
10. Frank A. Fear, Assistant Professor, Resource Development, in the tenure system, at a salary of \$20,700 per year on a 12-month basis, effective July 1, 1978.
11. Peter Glendinning, Assistant Professor, Art, in the tenure system, at a salary of \$13,000 per year on a 10-month basis, effective September 1, 1978.
12. Patricia R. Paulsell, Assistant Professor, German and Russian, in the tenure system, at a salary of \$14,000 per year on a 10-month basis, effective September 1, 1978.
13. Maureen H. Smith, Assistant Professor, Accounting and Financial Administration, in the tenure system, at a salary of \$21,500 per year on a 10-month basis, effective January 1, 1979.
14. Glenn S. Omura, Assistant Professor, Marketing and Transportation Administration, in the tenure system, at a salary of \$21,000 per year on a 10-month basis, effective September 1, 1978.
15. Felipe Korzenny, Assistant Professor, Communication, in the tenure system, at a salary of \$14,000 per year on a 10-month basis, effective September 1, 1978.

16. Kwok Wai Ho, Assistant Professor, Health, Physical Education and Recreation, in the tenure system, at a salary of \$16,200 per year on a 12-month basis, effective July 1, 1978.
17. John A. Eastman, Assistant Professor, Civil and Sanitary Engineering, in the tenure system, at a salary of \$18,500 per year on a 10-month basis, effective September 1, 1978.
18. Anil K. Jain, Associate Professor, Computer Science, in the tenure system, at a salary of \$20,200 per year on a 10-month basis, effective September 1, 1978.
19. Patrick J. McCleer, Assistant Professor, Electrical Engineering and System Science, in the tenure system, at a salary of \$18,500 per year on a 10-month basis, effective September 1, 1978.
20. John J. McGrath, Assistant Professor, Mechanical Engineering, in the tenure system, at a salary of \$18,500 per year on a 10-month basis, effective September 1, 1978.
21. Cornelius O. Horgan, Associate Professor, Metallurgy, Mechanics, and Materials Science, in the tenure system, at a salary of \$26,000 per year on a 10-month basis, effective September 1, 1978.
22. Philip W. Washko, Assistant Professor, Food Science and Human Nutrition, in the tenure system, at a salary of \$19,500 per year on a 12-month basis, effective August 28, 1978.
23. John M. Hickner, Assistant Professor, Family Practice, in the tenure system, at a salary of \$34,000 per year on a 12-month basis, effective August 1, 1978.
24. Roshni Kulkarni, Assistant Professor, Human Development, in the tenure system, at a salary of \$32,500 per year on a 12-month basis, effective July 1, 1978.
25. Donald F. Waterman, Professor, Human Development, with tenure, at a salary of \$40,750 per year on a 12-month basis, effective July 1, 1978.
26. Evelyan L. Thomas, Associate Professor, Obstetrics, Gynecology and Reproductive Biology, in the tenure system, at a salary of \$45,600 per year on a 12-month basis, effective September 1, 1978.
27. James Blackwell, Assistant Professor, Radiology, in the tenure system, at a salary of \$40,000 per year on a 12-month basis, effective July 1, 1978.
28. Katherine O. See, Instructor, James Madison College, in the tenure system, at a salary of \$11,500 per year on a 10-month basis, effective September 1, 1978.
29. Paul W. Hunter, Specialist, Chemistry, in the job security system, at a salary of \$20,000 per year on a 12-month basis, effective September 1, 1978.
30. David T. Long, Assistant Professor, Geology, in the tenure system, at a salary of \$16,500 per year on a 10-month basis, effective September 1, 1978.
31. Glenda L. Lappan, Associate Professor, Mathematics, in the tenure system, at a salary of \$17,641 per year on a 10-month basis, effective September 1, 1978.
32. Steven R. Heidemann, Assistant Professor, Dean's Office, College of Osteopathic Medicine, and Physiology, in the tenure system, at a salary of \$18,400 per year on a 12-month basis, effective September 1, 1978.
33. Howard A. Dean, Assistant Professor, Osteopathic Medicine, in the tenure system, at a salary of \$42,000 per year on a 12-month basis, effective August 1, 1978.
34. Jack R. Greene, Assistant Professor, Criminal Justice, in the tenure system, at a salary of \$16,500 per year on a 10-month basis, effective September 1, 1978.
35. Norman L. Dietrich, Assistant Professor, Urban Planning and Landscape Architecture, in the tenure system, at a salary of \$18,000 per year on a 10-month basis, effective September 1, 1978.
36. Alan R. Posner, Assistant Professor, Social Science, in the tenure system, at a salary of \$14,700 per year on a 10-month basis, effective September 1, 1978.
37. Helen Dail, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,800 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
38. Mary DeWolf, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,400 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.

A. PERSONNEL CHANGES, cont.

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Personnel
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39. Jean Draper, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,800 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
40. Esther Dunham, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$11,600 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
41. Elizabeth Greenman, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,800 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
42. Alicia Kennedy, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,800 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
43. Jean Kennedy, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$11,600 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
44. Lois Levak, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,800 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
45. Jane Linnell, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,400 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
46. Doris Neumann, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,800 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
47. Jane Noble, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,800 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
48. Irene Sherbo, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,000 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
49. Mary Speck, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,400 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
50. Laura Strandness, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$11,600 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1973.
51. Grace Hill, Specialist/Adviser and Assistant Director, University College Student Affairs, at a salary of \$11,400 per year on a 10-month basis, effective September 1, 1978. Granted job security effective September 1, 1974.
52. Dorothy Hertel, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,000 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1974.
53. Marguerite Higbee, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,000 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1974.
54. Barbara Scallin, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$10,000 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1974.
55. Ruth Reinoehl, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$9,200 per year on a 10-month basis, effective September 1, 1978. Granted job security in 50% time position effective September 1, 1976.
56. Juanita Patterson, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$8,400 per year on a 10-month basis, effective September 1, 1978. With job security in 50% time position effective September 1, 1978.
57. Mary Austin, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$7,600 per year on a 10-month basis, effective September 1, 1978. In job security system since 1974; this appointment begins 3rd 2-year probationary period.

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A. PERSONNEL CHANGES, cont.

July 27-28, 1978

Appointments

Appointments, cont.

58. J Evelyn Bonner, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$7,200 per year on a 10-month basis, effective September 1, 1978. In job security system since 1975; this appointment begins midway in 2nd 2-year probationary period.
59. Barbara VanWormer, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$7,200 per year on a 10-month basis, effective September 1, 1978. In job security system since 1975; this appointment begins midway in 2nd 2-year probationary period.
60. Kathleen Wicks, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$7,200 per year on a 10-month basis, effective September 1, 1978. In job security system since 1975; this appointment begins midway in 2nd 2-year probationary period.
61. Ruth Kilbourne, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$6,800 per year on a 10-month basis, effective September 1, 1978. In job security system since 1976; this appointment begins 2nd 2-year probationary period.
62. Annette Steinborn, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$6,800 per year on a 10-month basis, effective September 1, 1978. In job security system since 1976; this appointment begins 2nd 2-year probationary period.
63. Judith Schwingamer, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$6,400 per year on a 10-month basis, effective September 1, 1978. In job security system since 1977; this appointment begins midway in 1st 2-year probationary period.
64. Kathryn Welser, Specialist/Adviser, University College Student Affairs, 50% time, at a full-time salary rate of \$6,400 per year on a 10-month basis, effective September 1, 1978. In job security system since 1977; this appointment begins midway in 1st 2-year probationary period.
65. James P. Mlsna, Assistant Professor, Large Animal Surgery and Medicine, in the tenure system, at a salary of \$25,000 per year on a 12-month basis, effective September 15, 1978.
66. D. Beatrice Mott, Assistant to the President, President's Office, at a salary of \$19,180 per year on a 12-month basis, effective June 1, 1978.
67. Meryl A. Miasek, Librarian II, Libraries, at a salary of \$15,000 per year on a 12-month basis, effective August 1, 1978. Subject to librarian continuing appointment system.
68. James A. McComb, Specialist, Special Programs, at a salary of \$14,750 per year on a 12-month basis, effective June 26, 1978. In job security system.
69. Patrick J. Keating, Budget Officer AP-16, Provost's Office and Vice President for Business and Finance, at a salary of \$25,500 per year on a 12-month basis, effective July 24, 1978.

Motion was made by Trustee Smydra, seconded by Trustee Radcliffe to approve the Resignations, Leaves, Transfers and Changes in Assignment, Salary Changes and Appointments.

Motion was made by Trustee Bruff, supported by Trustee Smydra, to amend the motion to include a change in assignment for Terry L. Kuhn, Data Processing, from Manager Computer Facilities AP-11 at a salary of \$19,670 per year, to Assistant Director, Operations and Production AP-15, at a salary of \$22,250 per year on a 12-month basis, effective January 1, 1978, and a related position reclassification of Manager Computer Facilities AP-11 to Assistant Director Operations and Production AP-15 for Data Processing.

Motion to amend approved by a vote of 6 to 0.

Motion as amended approved by a vote of 6 to 0.

Personnel
RecommendationsPersonnel Recommendations

It is recommended that the following positions be established:

1. Secretary II C-T 7 for Dairy Science
2. Secretary I C-T 5 for Dean's Office, College of Education
3. Library Clerk/Branch C-T 7 (off-campus) for Kellogg Biological Station, College of Natural Science
4. Secretary II C-T 7 for Dean's Office, College of Osteopathic Medicine
5. Secretary III C-T 9 for Animal Health Diagnostic Laboratory
6. For the Veterinary Clinical Center
 - a. Senior Medical Technologist A-P 9
 - b. Medical Records Technician C-T 7
 - c. Secretary II C-T 7
 - d. Clerk II C-T 5

A. PERSONNEL CHANGES, cont.

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Personnel Recommendations, cont.

It is recommended that the following positions be established, cont.:

7. Accounting Clerk I C-T 5 for Controller's Office, Vice President for Business and Finance and Treasurer
8. For Financial Aids, Vice President for Student Affairs and Services:
 - a. Assistant Director Financial Aids A-P 11
 - b. Financial Aids Advisor A-P 9

On motion by Trustee Bruff, seconded by Trustee Smydra, it was unanimously voted to approve the Personnel Recommendations. See also action on page 9418 re reclassification for Data Processing.

B. GIFTS AND GRANTS

1. Gift of 9 Simmental beef cows valued at \$7,850 from Maynard R. Andreae, Bloomfield Hills, to be used by the Department of Animal Husbandry in applied beef cattle production research at the Lake City Experiment Station.
2. Gift of 4 Hereford beef cows valued at \$4,175 from Harrington M. Cummings, Fremont, to be used by the Department of Animal Husbandry in applied beef cattle production research at the Chatham Experiment Station.
3. Gift of 10 items of food processing equipment valued at \$85,000 from the Whirlpool Corporation, St. Joseph, to be used under the direction of Jerry Cash in Food Science and Human Nutrition for pilot food processing, teaching and research.
4. Gift of 1,600 feet of 6-foot chain link fence valued at \$400 from George E. McKay, Hickory Corners, to provide security fencing for various sites at the Kellogg Biological Station.
5. Gift of a Model 320 A.B. Dick offset press with work organizer valued at \$900 from the H.C. Berger Co., Lansing, to be used for instructional purposes in the Department of Art.
6. Gift of several works of art with a total value of \$5,100 from Mrs. Zenna London, Darien, Conn., to be added to the permanent collection in the Kresge Art Gallery.
7. Miscellaneous gifts including clothing, jewelry, sporting goods, publications, equipment, and memorabilia as per list filed in the Secretary's Office with a total value of \$22,174.44 from various donors for research and display in the Museum.
8. Gift of 5 trees with a total value of \$475 from Willet N. Wandell, Wandell's Nursery, Inc., Urbana, Ill., to be used under the direction of Milton Baron in Campus Park and Planning for testing landscape adaptability.
9. Grants to be used for scholarship purposes as follows:
 - a. \$1,991,777 from the Department of Health, Education and Welfare to employ needy students under the College Work-Study Program
 - b. \$1,015,664 from the Department of Health, Education and Welfare, Office of Education, as the Supplemental Educational Opportunity Grant for the 1978-79 academic year.
 - c. \$4,000 from the Michigan Rural Rehabilitation Corp., Marshall, to offer nine \$400 scholarships in the College of Agriculture and Natural Resources and one \$400 scholarship in the College of Veterinary Medicine
 - d. \$500 from Farm Credit Banks of Saint Paul, St. Paul, Minn., for students in the Department of Agricultural Economics
 - e. \$1,000 from the Marriott Corp., Washington, D.C., for a student or students in Hotel, Restaurant and Institutional Management
 - f. \$1,400 from The Supreme Council 33^o, A.A. Scottish Rite, Dearborn Heights, for students in the School of Journalism
 - g. \$750 from the College and University Machine Records Conference, Ithaca University, Ithaca, N.Y., to establish a loan fund known as the "Frank B. Martin Memorial Loan Fund" for loans to students majoring in Computer Science or Systems Science in the College of Engineering
 - h. \$2,250 from the Alcoa Foundation, Pittsburgh, Pa., to support three \$750 scholarships in mechanical or electrical engineering
 - i. \$500 from Lear Siegler, Inc., Grand Rapids, for a pre-engineering student from Grand Rapids Junior College
 - j. \$2,000 from Owens-Corning Fiberglas Corp., Toledo, Ohio for two \$1,000 scholarships to engineering juniors
 - k. \$687 from Doris Giddey, Detroit, to be deposited in the Doris J. and George H. Giddey Scholarship Fund for recipients to be selected by the College of Human Medicine
 - l. \$58,814 from the U.S. Department of Justice for the Law Enforcement Education Program for grants and loans for students in the School of Criminal Justice and related areas
 - m. \$1,000 from the MSU Foundation -- transfer of a gift from Ransom Fidelity Co., designated specifically to the Mildred B. Erickson Fellowship Fund.
 - n. \$448,041.12 from various donors for the period July 1, 1977 through June 30, 1978 as restricted grants to designated MSU students.
10. Grant as follows to the MSU Development Fund:
 - a. \$125 from Mr. and Mrs. Stephen H. Terry, East Lansing, for the Wrestling Scholarship Fund.

11. Grant of \$86,338 from the Agency for International Development, Washington, D.C., to be used under the direction of D. Fienup in Agricultural Economics to assess training needs for professional agricultural economists engaged in work on problems of less developed countries.
12. Grant of \$2,178 from the Institute for International Education, New York, N.Y., to be used under the direction of G. L. Johnson in Agricultural Economics to support Dr. Johnson's activities while on assignment for IIE at Tamil Nadu Agricultural University.
13. Grant of \$5,500 from the Michigan Department of Public Health, Lansing, to be used under the direction of R. D. Stevens in Agricultural Economics to collect data regarding emergency medical services in rural areas.
14. Grant of \$30,650 from the U.S. Department of Agriculture, Washington, D.C., to be used under the direction of L. W. Libby in Agricultural Economics to serve as coordinator for land, air, water and solid waste for USDA, with consultation with Assistant Secretary for Conservation, Research and Education.
15. Grant of \$300 from the Aerovent Fan and Equipment Company, Lansing, to be used under the direction of C. M. Hansen in Agricultural Engineering in support of the 1979 International Congress of CIGR.
16. Grant of \$3,880 from the Cannery Machinery Ltd., Ontario, Canada, to be used under the direction of C. M. Hansen in Agricultural Engineering to improve mechanical strawberry harvester/capper.
17. Grant of \$600 from the Genesee County Drain Commissioner, Flint, to be used under the direction of F. V. Nunberger in Agricultural Engineering to support data evaluation on climate of Michigan.
18. Grant of \$55,512 from the National Institute of General Medical Sciences, Bethesda, Maryland, to be used under the direction of C. H. Suelter in Biochemistry to support research on comparative enzymology of normal and abnormal tissue.
19. Grant of \$70,000 from the National Science Foundation, Washington, D.C., to be used under the direction of W. A. Wood and A. Tulinsky in Biochemistry to support research on high resolution structure determination of a trimeric aldolase from pseudomonas.
20. Grant of \$500 from the BASF Wyandotte Corporation, Parsippany, N.J., to be used under the direction of A. L. Jones in Botany and Plant Pathology for residue studies with an experimental fungicide.
21. Grant of \$600 from the Chemagro Agricultural Division, Mobay Chemical Corporation, Kansas City, Missouri, to be used under the direction of J. M. Vargas, Jr. in Botany and Plant Pathology for ongoing turfgrass pathology research program.
22. Grant of \$600 from Diamond Shamrock, Cleveland, Ohio, to be used under the direction of J. M. Vargas, Jr. in Botany and Plant Pathology for ongoing turfgrass pathology research program.
23. Grant of \$500 from Mallinckrodt, St. Louis, Missouri, to be used under the direction of J. M. Vargas, Jr. in Botany and Plant Pathology, for ongoing turfgrass pathology research program.
24. Grant of \$1,500 from the Chevron Chemical Company, San Francisco, California, to be used under the direction of H. S. Potter in Botany and Plant Pathology to support irrigation application of fungicides for control of crop diseases.
25. Grant of \$1,000 from Diamond Shamrock, Cleveland, Ohio, to be used under the direction of A. L. Jones in Botany and Plant Pathology to evaluate fungicides for tree fruit diseases.
26. Grant of \$1,500 from E.M. Laboratories, Inc., Elmsford, N.Y., to be used under the direction of A. L. Jones in Botany and Plant Pathology for tree fruit disease research.
27. Grant of \$1,530 from the Michigan Celery Growers Research Council, Zeeland, to be used under the direction of M. L. Lacy in Botany and Plant Pathology for improvement in celery production.
28. Grant of \$300 from Pickle Packers International, Inc., St. Charles, Illinois, to be used under the direction of M. L. Lacy in Botany and Plant Pathology for research on cucumber anthracnose: importance, identification of races in Michigan, and development of techniques for screening for resistance.
29. Grant of \$300 from the Stauffer Chemical Corporation, Mountain View, California, to be used under the direction of A. L. Jones in Botany and Plant Pathology for plant disease research on deciduous fruit.
30. Grant of \$300 from the Stauffer Chemical Corporation, San Francisco, California, to be used under the direction of D. C. Ramsdell in Botany and Plant Pathology for continued work on plant diseases affecting grapes and blueberries.

B. GIFTS AND GRANTS, cont.

July 27-28, 1978

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31. Grant of \$1,000 from the Uniroyal, Inc., Naugatuck, Connecticut, to be used under the direction of E. J. Klos in Botany and Plant Pathology to support the study of fungicidal activity of P-368 on experimental fungicide against *Venturia inaequalis*.
32. Grant of \$2,000 from Agrico, Tulsa, Oklahoma, to be used under the direction of D.R. Christenson in Crop and Soil Sciences for continued research support.
33. Grant of \$1,500 from the Dow Chemical Company, Midland, to be used under the direction of D. R. Christenson in Crop and Soil Sciences for continued research support.
34. Grant of \$2,000 from Allied Chemical, Morristown, N.J., to be used under the direction of M. L. Vitosh in Crop and Soil Sciences to support soil fertility studies for the 1978-79 year.
35. Grant of \$2,000 from the Anderson Foundation, Maumee, Ohio, to be used under the direction of M. L. Vitosh in Crop and Soil Sciences for research of applied soil fertility.
36. Grant of \$100 from Cominco American, Inc., Chicago, Illinois, to be used under the direction of M. L. Vitosh in Crop and Soil Sciences for continuing soil fertility research.
37. Grant of \$1,000 from Amchem Products, Inc., Ambler, Penn., to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
38. Grant of \$2,000 from the American Hoechst Corporation, Sommerville, N.J., to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
39. Grant of \$800 from the BASF Wyandotte Corp., Parsippany, N.J., to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
40. Grant of \$700 from the Chemagro Agricultural Division, Kansas City, Missouri, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
41. Grant of \$500 from Chipman Chemicals Ltd., Stoney Creek, Ontario, Canada, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
42. Grant of \$1,000 from CIBA-GEIGY, Greensboro, North Carolina, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
43. Grant of \$1,500 from E. I. duPont deNemours and Company, Wilmington, Delaware, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
44. Grant of \$500 from the Gulf Oil Corporation, Shawnee Mission, Kansas, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
45. Grant of \$1,000 from Eli Lilly & Co., Indianapolis, Indiana, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
46. Grant of \$350 from Aquatrols Corp. of America, Pennsauken, N.J., to be used under the direction of P. E. Rieke in Crop and Soil Sciences to support continuing research on rate of moisture into the profile and its effect on potential compaction.
47. Grant of \$250 from FDS Fertilizers, West Bloomfield, to be used under the direction of P. E. Rieke in Crop and Soil Sciences to support continuing research.
48. Grant of \$1,000 from Cargill, Inc., Ft. Collins, Colorado, to be used under the direction of E. H. Everson in Crop and Soil Sciences to support continuing wheat research.
49. Grant of \$1,000 from DeKalb Agricultural Research, DeKalb, Illinois, to be used under the direction of E. H. Everson in Crop and Soil Sciences to support continuing wheat research.
50. Grant of \$5,000 from General Mills, Minneapolis, Minnesota, to be used under the direction of E. H. Everson in Crop and Soil Sciences to support continuing wheat research.
51. Grant of \$4,000 from Mennel Milling Company, Fostroia, Ohio, to be used under the direction of E. H. Everson in Crop and Soil Sciences to support continuing wheat research.
52. Grant of \$1,500 from the Chevron Chemical Company, Worthington, Ohio, to be used under the direction of R. W. Chase in Crop and Soil Sciences to support no-tillage corn and pasture demonstrations for 1978.
53. Grant of \$500 from CIBA-GEIGY, Greensboro, North Carolina, to be used under the direction of G. Schultz in Crop and Soil Sciences to support herbicide research program.

B. GIFTS AND GRANTS, cont.

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54. Grant of \$500 from Diamond Shamrock, Ft. Wayne, Indiana, to be used under the direction of J. Kaufmann in Crop and Soil Sciences to support the evaluation of Dacthal as a post emergence control for Veronica turf.
55. Grant of \$3,000 from the Dow Chemical Company, Midland, to be used under the direction of M. L. Vitosh in Crop and Soil Sciences to support the evaluation of nitrogen inhibitors.
56. Grant of \$5,500 from the Dow Chemical Company, Midland, to be used under the direction of D. Christenson in Crop and Soil Sciences to support the study of the effect of foliar and soil applied managanese sources on growth and yield of soybeans and navy beans.
57. Grant of \$4,500 from the Eli Lilly & Company, Greenfield, Indiana, to be used under the direction of D. Penner in Crop and Soil Sciences for research support.
58. Grant of \$1,550 from Kala Laboratories, Kansas City, Missouri, to be used under the direction of D. Penner in Crop and Soil Sciences to support continuing herbicide research.
59. Grant of \$1,200 from Expo Ag-Expo Research, Caro, to be used under the direction of D. Christenson in Crop and Soil Sciences to support the study of the effect of controlled traffic on emergence, growth and yield of navy beans.
60. Grant of \$18,000 from Member Companies of Farmers & Manufacturers Beet Sugar Association to be used under the direction of D. Christenson, W. F. Meggit and G. J. Hogaboan in Crop and Soil Sciences for soil cultural and fertility work, cultural and chemical systems of weed control and continued work in sugarbeet breeding, storage and seed improvement.
61. Grant of \$5,000 from Great Lakes Hybrids, Ovid, to be used under the direction of E. C. Rossman in Crop and Soil Sciences to support continuing corn research.
62. Grant of \$1,405 from Great Lakes Hybrids, Ovid, to be used under the direction of E. C. Rossman in Crop and Soil Sciences to support continuing corn research - Florida winter grow-outs.
63. Grant of \$750 from MAAG Agrochemicals, Vero Beach, Florida, to be used under the direction of J. Kaufmann in Crop and Soil Sciences to support continuing turf research.
64. Grant of \$1,000 from the Michigan Celery Growers Research Council, Zeeland, to be used under the direction of D. Warncke in Crop and Soil Sciences to support study of improvement in celery production.
65. Grant of \$10,000 from the Michigan Foundation Seed Association, Inc., East Lansing, to be used under the direction of E. H. Everson in Crop and Soil Sciences to support continuing wheat research.
66. Grant of \$1,000 from Nabisco, Inc., E. Hanover, N.J., to be used under the direction of E. H. Everson in Crop and Soil Sciences to support continuing wheat research.
67. Grant of \$1,000 from the Northrup, King and Company, Minneapolis, Minn., to be used under the direction of E. H. Everson in Crop and Soil Sciences for continuing wheat research.
68. Grant of \$1,000 from the Pioneer Hi-Bred International, Inc., Hutchinson, Kansas, to be used under the direction of E. H. Everson in Crop and Soil Sciences for continuing wheat research.
69. Grant of \$1,000 from Wickes Corporation, Saginaw, to be used under the direction of E. H. Everson in Crop and Soil Sciences for continuing wheat research.
70. Grant of \$200 from Mobay Chemical Corporation, Kalamazoo, to be used under the direction of G. Schultz in Crop and Soil Sciences for continued research in weed control in alfalfa.
71. Grant of \$3,750 from the Mobil Chemical Company, Edison, N. J., to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control research.
72. Grant of \$2,250 from the Monsanto Agricultural Products Company, St. Louis, Missouri, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences to support continued weed control research.
73. Grant of \$500 from Sandoz, Inc., Homestead, Florida, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences to support continued weed control research.
74. Grant of \$1,000 from the Shell Chemical Company, Worthington, Ohio, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control.
75. Grant of \$850 from the Stauffer Chemical Company, San Francisco, California, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences for continued weed control.
76. Grant of \$1,000 from the U.S. Borax and Chemical Corporation, Los Angeles, California, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences to support continued weed control research.

B. GIFTS AND GRANTS, cont.

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77. Grant of \$2,000 from the Velsicol Chemical Corporation, Chicago, Illinois, to be used under the direction of W. F. Meggitt in Crop and Soil Sciences to support continued weed control research.
78. Grant of \$43,000 from the National Science Foundation, Washington, D.C., to be used under the direction of J. M. Tiedje in Crop and Soil Sciences to support research of denitrification in ecosystems.
79. Grant of \$15,930 from the North Central Region Pesticide Impact Assessment Program, Columbus, Ohio, to be used under the direction of D. Penner and G. Schultz in Crop and Soil Sciences; RPAR Herbicides. Survey of use in Michigan and alternatives; research on efficacy and selectivity of Pronamide, several alternative herbicides for alfalfa, phenoxy formulation for turf and alternatives.
80. Grant of \$1,000 from the Rohm & Haas Company, Philadelphia, PA, to be used under the direction of D. R. Christenson in Crop and Soil Sciences to support continuing research on manganese and zinc.
81. Grant of \$2,000 from the Shell Development Company to be used under the direction of G. Schultz in Crop and Soil Sciences to support herbicide research.
82. Grant of \$850 from the Stauffer Chemical Company, Mountain View, California, to be used under the direction of G. Schultz in Crop and Soil Sciences to support continuing research.
83. Grant of \$1,000 from Spartan Distributors, Sparta, to be used under the direction of P. E. Rieke in Crop and Soil Sciences for research expenses and cost of travel to irrigation seminar in California.
84. Grant of \$1,000 from Velsicol Chemical Corp., Chicago, Illinois, to be used under the direction of M. B. Tesar in Crop and Soil Sciences for weed control of grass prior to alfalfa establishment.
85. Grant of \$6,800 from various donors to be used under the direction of M. B. Tesar in Crop and Soil Sciences to support the evaluation of alfalfa varieties.
86. Grant of \$128 from the American Society of Animal Science, Champaign, Illinois, to be used under the direction of H. D. Hafs in Dairy Science for general support of dairy science programs.
87. Grant of \$3,546 from the Michigan Dairy Herd Improvement Association, Inc., Lansing, to be used under the direction of H. D. Hafs in Dairy Science to support the dairy fieldman position.
88. Grant of \$2,250 from the National Association of Animal Breeders, Columbia, Missouri, to be used under the direction of H. D. Hafs in Dairy Science to support study of early breeding of heifers and suckled beef cows.
89. Grant of \$6,270 from the Upjohn Company, Kalamazoo, to be used under the direction of R. Mellenberger in Dairy Science to support the Pen-Novo dry cow study.
90. Grant of \$300 from the Chemagro Agricultural Division, Mobay Chemical Company, Kansas City, Missouri, to be used under the direction of G. W. Bird in Entomology to support nematode research in fruit and vegetable crops.
91. Grant of \$3,600 from the Chemagro Agricultural Division, Mobay Chemical Company, Kansas City, to be used under the direction of A. Wells, G. Bird, A. Howitt, and R. Ruppel in Entomology to support insecticide research programs: field and truck crops; nematode population management; fruit tree; forage crops.
92. Grant of \$2,500 from the Chevron Chemical Company, Richmond, California, to be used under the direction of A. Howitt in Entomology to support study of fruit pests - conduct an aerial trial with Orthene 75 S on blueberries.
93. Grant of \$11,000 from the Shell Oil Company, Modesto, California, to be used under the direction of A. Howitt in Entomology to support study of fruit tree insects.
94. Grant of \$10,500 from various donors to be used under the direction of A. Howitt in Entomology to support fruit pest research.
95. Grant of \$500 from Diamond Shamrock, Ft. Wayne, Indiana, to be used under the direction of G. W. Bird in Entomology to support study of nematode population management in Michigan crop production evaluation of the potential of DS-16813.
96. Grant of \$500 from the Dow Chemical Company, Midland, to be used under the direction of G. W. Bird in Entomology to support nematode research.
97. Grant of \$300 from the Gulf Oil Company, Shawnee Mission, Kansas, to be used under the direction of R. F. Ruppel in Entomology to support field crops research.
98. Grant of \$3,300 from the Michigan Celery Growers Research Council, Zeeland, to be used under the direction of E. Grafius, A. Wells, and G. W. Bird in Entomology to support study of improvement in celery production.

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99. Grant of \$25,000 from the Pesticide Impact Assessment Program, N.C. Regional Office, Columbus, Ohio, to be used under the direction of R. F. Ruppel in Entomology to support extensive survey of pesticide use in Michigan crops.
100. Grant of \$23,824 from the Michigan Department of Natural Resources, Lansing, to be used under the direction of S. F. Kinzel in Fisheries and Wildlife to support the operation of two Youth Conservation Corps Camps for summer 1978.
101. Grant of \$5,000 from the Anheuser-Busch, Inc., St. Louis, Missouri, to be used under the direction of C. M. Stine in Food Science and Human Nutrition to support research in area of ice cream, ice milk and dietary frozen dessert technology.
102. Grant of \$1,000 from the General Mills Foundation, Minneapolis, Minnesota, to be used under the direction of G. A. Leveille in Food Science and Human Nutrition for general support of departmental programs.
103. Grant of \$150 from Mary Louise Morr, Ashland, Ohio, to be used under the direction of L. G. Harmon in Food Science and Human Nutrition for scholarships.
104. Grant of \$500 from Pickle Packers International, Inc., St. Charles, Illinois, to be used under the direction of M. A. Uebersax in Food Science and Human Nutrition to support research in cucumber brining.
105. Grant of \$75,645 from the Department of Energy, Washington, D.C., to be used under the direction of J. W. Hanover in Forestry to support research of tree species for biomass production in northern Michigan. Energy plantation establishment and culture on agriculturally marginal lands.
106. Grant of \$22,190 from the Michigan Department of Natural Resources, Lansing, to be used under the direction of R. S. Manthy in Forestry to support the development of an assessment of renewable resources on Michigan forest lands.
107. Grant of \$1,000 from Abbott Laboratories, North Chicago, Illinois, to be used under the direction of M. J. Bukovac in Horticulture to support ongoing research.
108. Grant of \$7,500 from the American Cyanamid Company, Princeton, N. J., to be used under the direction of S. K. Ries in Horticulture to support research on triacontanol.
109. Grant of \$500 from the William Bolthouse Farms, Inc., Bakersfield, California, to be used under the direction of L. R. Baker in Horticulture to support ongoing carrot breeding program.
110. Grant of \$500 from the Chemagro Agricultural Division, Mobay Chemical Corporation, Kansas City, Missouri, to be used under the direction of A. R. Putnam in Horticulture to support ongoing research to determine weed control performance and crop safety with Chemagro products.
111. Grant of \$2,000 from Gerber, Fremont, to be used under the direction of R. Carlson in Horticulture to support ongoing research on tree fruit rootstock.
112. Grant of \$3,500 from the International Dwarf Fruit Tree Association, Hartford, to be used under the direction of R. Carlson in Horticulture for education and dissemination of research results pertaining to scion/rootstock relationship of fruit trees.
113. Grant of \$2,500 from Koppes Plants, Watsonville, California, to be used under the direction of W. Carlson in Horticulture to support strawberry plant research.
114. Grant of \$500 from the Eli Lilly & Company, Indianapolis, to be used under the direction of A. R. Putnam in Horticulture to support ongoing research with Sonalan.
115. Grant of \$2,000 from the Michigan Apple Commission, Lansing, to be used under the direction of D. H. Dewey in Horticulture to support ongoing program to improve internal quality of apples for fresh market and processing.
116. Grant of \$2,070 from the Michigan Celery Growers Research Council, Zeeland, to be used under the direction of S. Honma and A. Putnam in Horticulture to support research of improvement in celery production.
117. Grant of \$50 from the 1978 Michigan Convention NCSGC, West Bloomfield, to be used under the direction of D. H. Dewey in Horticulture to support research, extension or teaching.
118. Grant of \$500 from the Pickle Packers International, Inc., St. Charles, Illinois, to be used under the direction of S. Honma in Horticulture to support ongoing pepper research.
119. Grant of \$500 from the Pickle Packers International, Inc., to be used under the direction of S. K. Ries in Horticulture to support research on the increasing yield of pickling cucumbers with triacontanol.
120. Grant of \$1,000 from the Pickle Packers International, Inc., to be used under the direction of R. Hermer in Horticulture to support the study of the relationship of fruit maturity, as affected by certain factors, with soft centers and subsequent greenstock, brinestock and finished stock quality.

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- 121. Grant of \$4,000 from the Pickle Packers International, Inc., St. Charles, Illinois, to be used under the direction of L. Baker and B. Dean in Horticulture to support research of parthenocarpic pickling cucumber hybrids and the development of little pickle technology as related to chlorflurenol.
- 122. Grant of \$500 from the Stauffer Chemical Company, Mountain View, to be used under the direction of A. R. Putnam in Horticulture to support herbicidal weed control research.
- 123. Grant of \$5,000 from D.v.d.Ploeg's Elite Zaden BV., Barendrecht, Holland, to be used under the direction of L. R. Baker in Horticulture to support ongoing hybrid carrot breeding research.
- 124. Grant of \$25 from the Woman's National Farm and Garden Association, Farmington Hills, to be used under the direction of W. Carlson in Horticulture to support ongoing bedding plant programs.
- 125. Grant of \$500 from Corning Glass Works, Greencastle, Pa., to be used under the direction of S. W. Gyeszly in Packaging to support the evaluation and testing of corrugated containers.
- 126. Grant of \$5,000 from the Morton Salt Co., Chicago, Illinois, to be used under the direction of S. W. Gyeszly in Packaging to support basic research in the area of gas and water permeability.
- 127. Grant of \$3,500 from the Great Lakes Mink Association, Bay City, to be used under the direction of R. J. Aulerich in Poultry Science to support study to learn the influence of dietary factors on thyroid function and reproduction in mink.
- 128. Grant of \$4,999.50 from the Nippon Kayaku Co., Ltd., Tokyo, Japan, to be used under the direction of F. Matsumura in the Pesticide Research Center to support metabolic and mutagenic studies on NK-592.
- 129. Grant of \$1,450 from the Gannett Newspaper Foundation, Rochester, N.Y., to be used under the direction of J. Kuszai in Art for purchase of Super - 8 to Video Processor.
- 130. Grant of \$200 from the Michigan Council for the Humanities, East Lansing, to be used under the direction of D. Lammers in History to support study of aging and the humanities.
- 131. Grant of \$870 from the Advanced Management Program Club to be used under the direction of R. J. Lewis in the Dean's Office, College of Business, for the Management Education Center.
- 132. Grant of \$100 from D. C. Curtis and W. J. Schlageter to be used under the direction of G. M. Jones in the Dean's Office, College of Business, for the Management Education Center Library.
- 133. Grant of \$1,811 from various donors to be used under the direction of R. J. Lewis in the Dean's Office, College of Business for the memorial scholarship fund.
- 134. Grant of \$300 from the James S. Kemper Foundation, Long Grove, Illinois, to be used under the direction of H. M. Sollenberger in Accounting and Financial Administration, for faculty development.
- 135. Grant of \$50 from the Purchasing Management Association of Central Michigan, Lansing, to be used under the direction of P. L. Carter in Management to support faculty and student research in materials management.
- 136. Grant of \$500 from the Toledo Scale Division of Reliance Electric, Worthington, Ohio, to be used under the direction of F. R. Bacon in Marketing and Transportation Administration to support a class research project on the 8300/310 prepackaging scale and printer to be used in supermarkets.
- 137. Grant of \$500 from the MSU Foundation, East Lansing, to be used under the direction of D. A. Anderson in the Bureau of Business and Economic Research; transfer of gift from David I. Verway.
- 138. Grant of \$2,500 from the Cleveland Electric Illuminating Company, Cleveland, Ohio, to be used under the direction of H. M. Trebing in the Institute of Public Utilities to support activities of the Institute.
- 139. Grant of \$3,500 from the Continental Telephone Corporation, Atlanta, Georgia, to be used under the direction of H. M. Trebing in the Institute of Public Utilities.
- 140. Grant of \$50 from Bradley S. Greenberg, Okemos, to be used under the direction of E. P. Bettinghaus in the Dean's Office, College of Communication Arts and Sciences for general support.
- 141. Grant of \$1,000 from Mogen David Wine Corporation, Chicago, Illinois, to be used under the direction of M. Beninson in Advertising for student development and presentation of research strategy as part of ADV 475 course requirement.

142. Grant of \$8,800 from the Shiawassee County Intermediate School District, Corunna, to be used under the direction of J. Woelfel and M. Block in Advertising to support area vocational education campaign strategies and techniques.
143. Grant of \$25,000 from the U.S. Office of Education, Washington, D.C., to be used under the direction of L. V. Deal in Audiology and Speech Sciences to support preparation of personnel for education of the handicapped.
144. Grant of \$762.92 from the Michigan Association of Middle School Educators, East Lansing, to be used under the direction of L. G. Romano in Administration and Higher Education to develop materials to be used by middle school teachers and administrators.
145. Grant of \$400 from various schools 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.
146. Grant of \$41,128 from the Rehabilitation Service Administration, HEW, Washington, D.C., to be used under the direction of J. R. Engelkes in Counseling, Personnel Services, and Educational Psychology to support experimental and innovative rehabilitation placement training.
147. Grant of \$37,035 from the National Institute of Mental Health, Rockville, Maryland, to be used under the direction of N. Kagan and J. B. Burke in Counseling, Personnel Services, and Educational Psychology for training trainers in interpersonal process recall and further model development.
148. Grant of \$14,765 from Operation Cork, San Diego, Calif., to be used under the direction of J. Snoddy in Elementary and Special Education to develop proposal for teacher education program which will involve alcohol education materials.
149. Grant of \$175,000 from the U.S. Office of Education - Bureau of Education for the Handicapped, Washington, D.C., to be used under the direction of C. V. Mange in Elementary and Special Education for training of teachers and administrators in education of the handicapped.
150. Grant of \$44,000 from the Department of Health, Education and Welfare, Washington, D.C., to be used under the direction of M. Carter in Health, Physical Education and Recreation to support professional preparation in physical education and recreation for the handicapped.
151. Grant of \$4,000 from the Exxon USA Foundation, Houston, Texas, to be used under the direction of W. J. Gamble, Jr. in the Dean's Office, College of Engineering, in support of the Engineering Equal Opportunity Program.
152. Grant of \$7,533.55 from the Central Solar Energy Research Corporation, Detroit, to be used under the direction of H. E. Koenig, R. L. Kerber, M. C. Hawley, B. W. Wilkinson, and H. R. Zapp in Engineering Research to plan a Regional Solar Energy Center for the North Central states.
153. Grant of \$17,850 from the Consumers Power Company, Jackson, to be used under the direction of B. W. Wilkinson in Engineering Research to support study of the identification and characterization of various lost heat streams at Marysville by means of plant design flow diagrams.
154. Grant of \$7,500 from the General Motors Proving Grounds, GMC, Milford, to be used under the direction of J. F. Martin in Engineering Research to investigate the effect of cold work on the fatigue life of a high strength low alloy steel and an aluminum alloy.
155. Grant of \$24,305 from the Office of Highway Safety Planning, Department of State Police, Lansing, to be used under the direction of J. D. Brogan in Engineering Research to support traffic engineering training.
156. Grant of \$9,000 from the Michigan Heart Association, Southfield, to be used under the direction of D. K. Anderson in Engineering Research to investigate possibility that blood when flowing through skeletal muscle vascular bed travels in two parallel paths; one nutritive and the other non-nutritive.
157. Grant of \$39,921 from the Office of Naval Research, Arlington, Virginia, to be used under the direction of R. E. Falco in Engineering Research to support study to quantify the importance of the various coherent motions found in turbulent boundary layers and provide quantified flow fields of the motions for future tests against the various models.
158. Grant of \$4,000 from the Exxon Education Foundation, Florham Park, N.J., to be used under the direction of D. K. Anderson in Chemical Engineering for departmental support.
159. Grant of \$1,500 from the Olin Corporation, Stamford, Conn., to be used under the direction of J. A. Brighton in Mechanical Engineering to support study of methods of measuring the properties of non-Newtonian Fluids.

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160. Grant of \$200 from the Travenol Laboratories, Inc., Deerfield, Illinois, to be used under the direction of D. R. Romsos in Food Science and Human Nutrition to study the effects of dietary fat on metabolism.
161. Grant of \$4,748 from the Michigan Department of Commerce, Lansing, to be used under the direction of J. Zuiches in the Institute for Family and Child Study for the computerized residential audit program, second mailing.
162. Grant of \$30,929 from the Michigan Department of Social Services, Lansing, to be used under the direction of M. P. Andrews in the Institute for Family and Child Study for the evaluation of social services delivery systems.
163. Grant of \$3,844.21 from the American Medical Association/Education and Research Foundation, Chicago, Illinois, to be used under the direction of W. D. Weston in the College of Human Medicine to support programs in College.
164. Grant of \$85,440 from the Bureau of Health Manpower-Division of Medicine to be used under the direction of A. F. Kohrman in the College of Human Medicine for training of U.S. foreign medical students.
165. Grant of \$5,000 from the MSU Foundation, East Lansing, to be used under the direction of J. Goodman, V. M. Maher and J. J. McCormick in the College of Human Medicine in support of International Symposium on Environmental Carcinogenesis.
166. Grant of \$14,018 from the Michigan Heart Association, Southfield, to be used under the direction of C. W. Smith in Anatomy to support study of human neutrophil-endothelial cell interactions in vitro.
167. Grant of \$15,386 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of G. M. Lew in Anatomy to support study of oral contraceptives and hypertension.
168. Grant of \$39,217 from the National Institute of Child Health and Human Development, Bethesda, Maryland, to be used under the direction of W. L. Smith in Biochemistry to support study of regulation of uterine prostaglandin biosynthesis.
169. Grant of \$1,560 from the State of Michigan, Office of Services to the Aging, Lansing, to be used under the direction of R. J. Sprafka and J. Guenon in Community Health Science to profile the 13 planning service areas of the Office of Services to the Aging.
170. Grant of \$24,971 from the Genesee County Health Department, Flint, to be used under the direction of R. J. Sprafka in Community Health Science to support the development of applied methods for interpretation and presentation of health survey results for health planning purposes as these relate to the special requirements in Flint and Genesee County.
171. Grant of \$262,569 from the Division of Medicine, HEW, Hyattsville, Maryland, to be used under the direction of R. J. Gerard in Family Practice to conduct a joint Family Practice Residency Training Program between St. Lawrence Hospital and the Department of Family Practice.
172. Grant of \$21,259 from the Children's Leukemia Foundation, Lansing, to be used under the direction of G. Tishkoff in Medicine in support of the Regional Leukapheresis Program.
173. Grant of \$200 from the Hoffman-LaRoche, Inc., Nutley, N.J., to be used under the direction of G. Mayor in Medicine in support of MSU Urology/Nephrology Program.
174. Grant of \$10,800 from the University of Pittsburgh, Pittsburgh, Penn., to be used under the direction of N. Dimitrov in Medicine to support study of NSABP Colo-Rectal Protocol.
175. Grant of \$10,800 from the University of Pittsburgh, Pittsburgh, Penn., to be used under the direction of L. G. Suhrland in Medicine to support study of NSABP Colo-Rectal Protocol.
176. Grant of \$2,000 from the Saginaw Cooperative Hospitals, Inc., Saginaw, to be used under the direction of N. Dimitrov in Medicine to support study of breast protocol patients.
177. Grant of \$13,350 from the Michigan Department of Public Health, Lansing, to be used under the direction of T. H. Kirschbaum in Obstetrics, Gynecology and Reproductive Biology to support study of regionalization of perinatal care in Michigan.
178. Grant of \$350 from the William Beaumont Hospital, Royal Oak, to be used under the direction of M. Z. Jones in Pathology to support neuropathology session held at the William Beaumont Hospital, June 1978.
179. Grant of \$15,000 from the Michigan Heart Association, Southfield, to be used under the direction of J. C. Mattson in Pathology to support study of the role of contractile proteins in platelet aggregation.

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180. Grant of \$19,134 from the Fogarty International Center to be used under the direction of R. H. Rech in Pharmacology and Toxicology for the Senior International Fellowship.
181. Grant of \$13,600 from the Michigan Heart Association, Southfield, to be used under the direction of J. L. Stickney in Pharmacology and Toxicology to support study of Transport of NE by Sympathetic Neurons of SHR.
182. Grant of \$13,902 from the Michigan Heart Association, Southfield, to be used under the direction of J. M. Chubb in Pharmacology and Toxicology for a fellowship.
183. Grant of \$14,906 from the National Institute of Child Health and Human Development, Bethesda, Maryland, to be used under the direction of M. D. Bailie in Pharmacology and Toxicology to support study of Anatomical and Functional Development of the Kidney.
184. Grant of \$9,050 from the Michigan Heart Association to be used under the direction of C. Chou in Physiology to support study of Cardiac Influence of Intestinal Ischemia After Shock.
185. Grant of \$4,500 from the Butterworth Hospital, Grand Rapids, to be used under the direction of N. B. Enzer in Psychiatry to support the psychiatric residence training program.
186. Grant of \$67,200 from the Ingham Community Mental Health Center, Lansing, to be used under the direction of N. B. Enzer in Psychiatry to support the psychiatric residence training program.
187. Grant of \$28,496 from the National Institute of Mental Health, Rockville, Maryland, to be used under the direction of A. Werner in Psychiatry to support undergraduate psychiatry.
188. Grant of \$42,855 from the National Institute of Mental Health, Rockville, Maryland, to be used under the direction of A. Werner in Psychiatry to support undergraduate human behavior.
189. Grant of \$63,522 from the National Institute of Mental Health, Rockville, Maryland, to be used under the direction of L. W. Rosen in Psychiatry to support psychiatric residence training.
190. Grant of \$6,000 from the Upjohn Co., Kalamazoo, to be used under the direction of L. J. Dunegan in Surgery to support study of extravascular lung water.
191. Grant of \$22,623 from the National Science Foundation, Washington, D.C., to be used under the direction of J. R. Brandou in the Dean's Office, College of Natural Science, for NSF Chautauqua-type short courses.
192. Grant of \$14,600 from the National Science Foundation, Washington, D.C., to be used under the direction of R. F. Stein in Astronomy and Astrophysics to support astrophysical fluid dynamic studies.
193. Grant of \$101,444 from the National Cancer Institute to be used under the direction of B. Rosenberg in Biophysics to support research on metal coordination complexes in cancer chemotherapy.
194. Grant of \$2,400 from the Dow Chemical Company, Midland, to be used under the direction of G. J. Karabatsos in Chemistry for department development.
195. Grant of \$28,900 from the National Science Foundation to be used under the direction of R. I. Cukier in Chemistry to support study of nonequilibrium statistical mechanics of liquids and chemical reactions.
196. Grant of \$45,000 from the National Science Foundation to be used under the direction of P. J. Wagner in Chemistry to support study of ketone photoreactions as monitors for general excited state behavior.
197. Grant of \$19,280 from the Tri-County Regional Planning Commission, Lansing, to be used under the direction of G. J. Larson in Geology to support the evaluation of potential recharge sites in the tri-counties.
198. Grant of \$31,200 from the National Science Foundation, Washington, D.C., to be used under the direction of J. A. Breznak in Microbiology and Public Health to support research of the biochemical relationships between symbiotic microorganisms and their hosts.
199. Grant of \$50,000 from the National Science Foundation, Washington, D.C., to be used under the direction of P. T. Magee in Microbiology and Public Health to support study of the regulation of meiosis and ascospore formation.
200. Grant of \$110,242 from the National Science Foundation, Washington, D.C., to be used under the direction of M. J. Klug and J. M. Tiedje in Microbiology and Public Health to support research of carbon cycling as controlled by electron acceptor availability in anerobic ecosystems.

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201. Grant of \$2,120 from the Pickle Packers International, Inc., St. Charles, Illinois, to be used under the direction of R. N. Costilow in Microbiology and Public Health to support brining research with air purging.
202. Grant of \$4,154 from the National Science Foundation, Washington, D.C., to be used under the direction of W. W. Repko in Physics to support theoretical studies of electromagnetic and hadronic interactions.
203. Grant of \$61,000 from the National Science Foundation, Washington, D.C., to be used under the direction of J. Bass and C. Foiles in Physics to support research of electron transport and magnetic interactions in metals.
204. Grant of \$151,000 from the National Science Foundation, Washington, D.C., to be used under the direction of P. A. Schroeder, F. J. Blatt and W. P. Pratt in Physics to support study of electronic properties of metals, semi-metals and alloys down to ultra low temperature.
205. Grant of \$160,000 from the National Science Foundation, Washington, D.C., to be used under the direction of K. W. Chen in Physics to support study of electromagnetic structure of nucleons.
206. Grant of \$12,500 from the Michigan Heart Association to be used under the direction of L. C. Weaver in Physiology to support study of cardiopulmonary afferent control of renal function.
207. Grant of \$13,000 from the Michigan Heart Association to be used under the direction of T. Adams in Physiology to support research on focal brain blood flow transients during hypercapnia.
208. Grant of \$8,976 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of E. M. Rivera in Zoology to support study of carcinogen-induced rat mammary hyperplasias.
209. Grant of \$500 from the MSU Foundation, East Lansing, to be used under the direction of B. A. Warren in Nursing; transfer of gift from Alpha Phi Heart Equipment Fund, Inc. for use in Cardiac Care Educational Program with nurses, heart patients and their families.
210. Grant of \$15,000 from the Cotton Incorporated, Raleigh, North Carolina, to be used under the direction of D. P. Delmer in the MSU/DOE Plant Research Laboratory to support study of cotton cellulose chemistry.
211. Grant of \$22,422 from the National Science Foundation, Washington, D.C., to be used under the direction of H. Kende in the MSU/DOE Plant Research Laboratory to support study of the role of ethylene in plant aging.
212. Grant of \$500 from Andrew D. Hunt, East Lansing, to be used under the direction of P. Gerhardt in the Dean's Office, College of Osteopathic Medicine for general research support.
213. Grant of \$121,149 from the National Cancer Institute, Bethesda, Maryland, to be used under the direction of V. M. Maher in the Dean's Office, College of Osteopathic Medicine to support the study of the role of mutagenesis in chemical carcinogenesis.
214. Grant of \$120,000 from the Department of Energy to be used under the direction of J. J. McCormick in the College of Osteopathic Medicine to support the study of cytotoxic, mutagenic and carcinogenic effects of energy-related agents in diploid human cells which differ in repair capacity.
215. Grant of \$5,000 from The Cranial Academy, Meridian, Idaho, to be used under the direction of F. L. Mitchell, Jr. and E. Retzlaff in Biomechanics to support histochemical studies of the cranial suture.
216. Grant of \$7,253.71 from the Genesee Intermediate School District, Flint, to be used under the direction of R. W. Little in Biomechanics to support basic research in craniosacral dysfunction.
217. Grant of \$29,875 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of J. J. Kabara in Biomechanics to support study to determine the influence of dietary antimicrobial lipids on dental caries.
218. Grant of \$90,000 from the National Science Foundation, Washington, D.C., to be used under the direction of J. I. Johnson, Jr. in Biophysics to support study of regional specializations in cerebral neocortex.
219. Grant of \$99,665 from the National Cancer Institute, Bethesda, Maryland, to be used under the direction of H. C. Miller in Microbiology and Public Health to support study of immunogenesis from bone marrow cells.
220. Grant of \$56,117 from the National Cancer Institute, Bethesda, Maryland, to be used under the direction of J. I. Goodman in Pharmacology & Toxicology to support study of repair synthesis of DNA in precancerous rat liver.

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221. Grant of \$59,736 from the National Institute of Mental Health, Rockville, Maryland, to be used under the direction of A. Werner in Psychiatry to support osteopathic medical student psychiatry education.
222. Grant of \$11,700 from the Houghton Mifflin Company, Boston, Massachusetts, to be used under the direction of R. Smith in Geography for cartographic services.
223. Grant of \$248,121 from the U.S. Department of Justice/LEAA, Washington, D.C., to be used under the direction of J. K. Hudzik in Criminal Justice to develop a CJ Manpower Planning Model.
224. Grant of \$90 from various donors to be used under the direction of C. Goldschmidt in Urban Planning and Landscape Architecture for department development.
225. Grant of \$1,000 from Stanley F. Myers, Philadelphia, Pa., to be used under the direction of J. W. Myers in Humanities to support archaeological research in classical and prehistoric archaeology.
226. Grant of \$5,313 from the National Institute of Mental Health, Washington, D.C., to be used under the direction of A. Batteau in Social Science to examine the significance for family functioning and the sociopolitical context of the kinship system of the Appalachian Mountain people.
227. Grant of \$1,000 from the Mid-Michigan Cat Fanciers, Grand Rapids, to be used under the direction of R. W. Leid and R. W. Bull in the College of Veterinary Medicine to support study of feline medicine.
228. Grant of \$7,000 from the Upjohn Company, Kalamazoo, to be used under the direction of R. F. Langham in Pathology for graduate research support.
229. Grant of \$71,576 from the National Institute on Aging to be used under the direction of J. Meites in Physiology to support research of hypothalamo-pituitary-ovarian relationships in aging rat.
230. Grant of \$26,311 from the National Science Foundation to be used under the direction of P. O. Fromm in Physiology to support the study of the effects of pollutants on gills of freshwater fishes.
231. Grant of \$4,000 from the Alvin M. Bentley Foundation, Owosso, to be used under the direction of H. J. Oyer in Graduate School as a scholarship for Michael Gant for 1978-79.
232. Grant of \$500 from the J. J. Mauget Company, Burbank, California, to be used under the direction of J. J. Kielbaso in Continuing Education to support a Symposium on Systemic Chemical Treatments in Tree Culture, October 9-11, 1978.
233. Grant of \$100 from the Michigan Fruit Cannery, Benton Harbor, to be used under the direction of R. Rentschler in Continuing Education to support the Politics of Food Conference, April 7-8, 1978.
234. Grant of \$12,204 from the Instituto Tecnológico Regional de Merida, Yucatan, Mexico, to be used under the direction of A. G. Benson in International Studies and Programs to support an eight-week program for seventeen Mexican students and two professors to provide language training and administrative support.
235. Grant of \$1,750,000 from the Midwest Universities Consortium for International Activities, Inc., Madison, Wisconsin, to be used under the direction of W. A. Herzog, Jr. in International Studies and Programs for the development of an Institute of Agriculture and Animal Sciences at Rampur, Nepal.
236. Grant of \$15,000 from The Canadian Consulate, Detroit, to be used under the direction of V. M. Howard in the Canadian-American Studies Committee, International Studies and Programs to develop a Canadian studies curricula for Michigan secondary schools.
237. Grant of \$1,000 from the MSU Foundation, East Lansing, to be used under the direction of R. D. Page in Instructional and Public Television; transfer of gift from Ransom Fidelity Co., designed for WKAR-TV.
238. Grant of \$1,000 from the MSU Foundation, East Lansing, to be used under the direction of R. D. Page in Instructional and Public Television; transfer of gift from Ransom Fidelity Co., designated for People for Public Broadcasting.
239. Grant of \$3,013 from various donors to be used under the direction of R. D. Page in Instructional and Public Television to support activities of public television.
240. Grant of \$135 from various donors to be used under the direction of S. Meuche in Radio Broadcasting to support program activities of WKAR Radio.
241. Grant of \$180 from various donors to be used under the direction of S. Meuche in Radio Broadcasting to support program activities of the WKAR Radio Talking Book.

B. GIFTS AND GRANTS, cont.

July 27-28, 1978

Gifts and Grants

- 242. Grant of \$600 from the Explorers Club, New York, N.Y., to be used under the direction of J. A. Holman in the Museum to cover costs of collecting vertebrate fossils in north central Nebraska.
- 243. Grant of \$2,000 from the Smithsonian Institute, Washington, D.C., to be used under the direction of C. K. Dewhurst in the Museum to cover cost of a European Folk Art Museum Survey.
- 244. Grant of \$367 from the National Merit Scholarship Corp., Evanston, Illinois, to be used under the direction of C. F. Seeley in Admissions and Scholarships to support expenses of National Merit Scholar program.
- 245. Grant of \$100 from the Garden Club of Michigan, Grosse Pointe Farms, to be used under the direction of M. Baron and F. W. Freeman in Campus Park and Planning for plant material for arboretum.
- 246. Grant of \$20,000 from the Herrick Foundation, Detroit, to be used under the direction of M. Baron and F. W. Freeman in Campus Park and Planning for general operations of Hidden Lake Gardens.
- 247. Grant of \$50 from Renton Jr. High School (Class of 1984), New Boston, to be used under the direction of M. Baron and F. W. Freeman in Campus Park and Planning for book acquisition for library at Hidden Lake Gardens.
- 248. Grant of \$4,029 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of Contract and Grant Administration for recovery of indirect costs due to rate increases on Public Health Service research grants for which insufficient funds were awarded during 7-1-74 - 6-30-75.
- 249. Gift of \$1,118.75 (25 shares of Gannett Company, Inc., stock) from Gregory L. Deliyanne, East Lansing, to be used under the direction of L. W. Scott in Vice President for University Development for the Enrichment Program.

The gift of books and journals valued at \$75.55 from James Tuinstra for the School of Social Work (Item 6, June 22-23, 1978 Board minutes) was a duplication of an item accepted at the May 25-26, 1978 meeting. The June action should be rescinded.

June 22-23 acceptance of books rescinded

Motion was made by Trustee Smydra, seconded by Trustee Radcliffe, to accept the gifts and grants and to rescind the June action as recommended. Unanimously carried.

C. BIDS AND CONTRACT AWARDS

Bids and Contract Awards

1. Natural Science Building - Alterations to Rooms 128 and 128C

Rooms 128 and 128C Natural Science Bldg.

The following bids were received on July 13 for the Natural Science Building - Alterations to Rooms 128 and 128C. This project provides for the renovation of a 200-seat auditorium in the Natural Science Building, and includes the raising of the floor and installation of new resilient flooring and seating. It also includes the installation of an acoustic wall finish and a suspended acoustical, integrated ceiling which has a high degree of energy efficiency through the use of reflective light and improved ventilation. Also included is the installation of a light and dimming system for improved control of the lighting level.

<u>Contractor</u>	<u>Base Bid</u>
Haussman Construction Company, Inc.	\$63,400
McNeilly Construction, Inc.	66,354
Charles Featherly Construction Co.	72,277
Irish Construction Company	77,590

It is recommended that a contract be awarded to the Haussman Construction Company, Inc. of Lansing in the amount of \$63,400, and that the following project budget be established:

Contract - Haussman Construction Co., Inc.	\$63,400
Contingencies	6,340
Engineering, Design, and Expediting	<u>6,260</u>
Total Expected Expenditures	\$76,000

Funds are available for this project in Account 11-8445, Classroom Improvements.

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

Unanimously approved. Motion by Trustee Smydra, seconded by Trustee Radcliffe.

Bids and
Contract
Awards

Men's Intra-
mural Bldg.

C. BIDS AND CONTRACT AWARDS, cont.

July 27-28, 1978

2. Men's Intramural Building

The University currently has out for bids alterations to the Men's Intramural Building which will provide locker room space for women's recreational and sports programs. These bids will be officially received on August 8, and contracts will be recommended to the Board of Trustees at its September 22 meeting.

In order to expedite this project to meet the winter sports schedule, it is requested that the Administration be authorized to award contracts upon receipt of the bids, with the understanding that the action will be confirmed at the September meeting of the Trustees. Administrative action will only be taken if bids are within range of the estimated budget of \$107,000 and that there are no major bid qualifications.

RESOLVED that the above administrative authorization be granted.

Unanimously approved. Motion by Trustee Smydra, seconded by Trustee Carrigan-Strickland.

Other Items
for Action

D. OTHER ITEMS FOR ACTION

Power Plant
Attemperator
Project

1. Power Plant Attemperator Project

At its June 24, 1977 meeting, the Board of Trustees approved the bids for the attemperator project relating to the Power Plant construction and authorized a budget of \$380,000.

The attemperator injects water into the steam main and maintains a constant steam temperature to avoid turbine damage from temperature excursions. The project provides additional water treatment to the attemperator water. It has been discovered that impurities in the water will deposit on the turbine blades and can cause serious deterioration; therefore, improvement in the water quality is necessary.

A modified bypass valve system has been designed which requires custom fabrication in excess of what was originally anticipated. Consequently, it is recommended that the budget for this project be increased from \$380,000 to \$403,000. This project has the approval of the Joint Capital Outlay Committee of the Legislature, and funds are available within the construction project to complete this modification.

RESOLVED that the above budget increase be authorized.

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

F.O.P. Contract

2. F.O.P. Contract

Michigan State University and the Fraternal Order of Police have recently negotiated an agreement. The union membership ratified this agreement on June 26, 1978.

This is a three-year contract effective from July 1, 1978 through June 30, 1981.

Only minor changes were made in the contract, such as personal leave (same as AP's), longevity (same as AP's) and funeral leave.

The total package for the three-year period is 19%.

RESOLVED that the contract with the Fraternal Order of Police, to be effective July 1, 1978 through June 30, 1981, be approved.

Unanimously approved. Motion by Trustee Bruff, seconded by Trustee Carrigan-Strickland.

Kellogg
Biological
Station -
Architect
Selection

3. Kellogg Biological Station - Architect Selection

The Kellogg Biological Station has just received a grant from the National Science Foundation to erect a small field laboratory and convert the existing boathouse into a research laboratory. The estimate cost for the work is \$215,000.

Because Physical Plant's work load is such that they are unable to do the design work, it is recommended that Norman Kellogg Architects be appointed as architect for this project.

RESOLVED that the above recommendation be approved.

Unanimously approved. Motion by Trustee Carrigan-Strickland, seconded by Trustee Bruff.

D. OTHER ITEMS FOR ACTION, cont.

July 27-28, 1978

Other Items for
Action4. Morrill Hall AlterationsMorrill Hall
Alterations

The Dean of Human Ecology has requested additional office space for new faculty members expected on board soon. Space reassignments have been made involving the College of Human Ecology and the Department of Philosophy, so that the new faculty members will occupy offices to be constructed in Rooms 101 and 119 Morrill Hall.

The estimated cost of the alterations in Morrill Hall required to accommodate these new faculty members is \$97,000. It has been determined to split the alterations into two phases. The first, at an estimated cost of \$72,000, will include the architectural alterations necessary to define individual offices. The second, at an estimated cost of \$25,000, will include modifications to the air conditioning system serving these spaces. It is expected that Phase I will proceed upon approval of the Board of Trustees and Phase II will be delayed until funds are available. The funding for Phase I is as follows:

<u>Account No.</u>	<u>Amount</u>
11-8075	\$60,000
11-2833	6,000
11-5173	6,000
Total	\$72,000

Because Phase I is expected to cost in excess of \$25,000, Board approval to proceed is requested in accordance with the Board's resolution of May 22, 1975.

RESOLVED that the alterations to Morrill Hall are approved
as recommended.

Unanimously approved. Motion by Trustee Smydra, seconded by Trustee Carrigan-Strickland.

5. MSU Alumni Association Bylaws RevisionMSU Alumni
Association
Bylaws Revision
approved

Mr. Jack Kinney, Executive Director of the MSU Alumni Association, read a brief statement introducing proposed revised bylaws of the Association. A copy of Mr. Kinney's statement and the bylaws are filed in the Secretary's Office.

RESOLVED that the revised Bylaws of the MSU Alumni Association
are approved.

Unanimously approved. Motion by Trustee Carrigan-Strickland, seconded by Trustee Smydra.

6. Student Tax Collection for Council of Medical StudentsStudent Tax
Collection for
Council of
Medical Students

The Council of Medical Students has been approved as a major governing group by the University Committee on Student Affairs, the office of the Vice President for Student Affairs and Services, and the President's Office. In order for the University to collect the one dollar per term tax called for in their constitution, it is necessary for the Board of Trustees to authorize the tax collection.

RESOLVED that since the Council of Medical Students has been
approved as a major governing group, the Board of Trustees
authorizes the University to collect a tax from each medical
student as stipulated in the Council's constitution.

Unanimously approved. Motion by Trustee Carrigan-Strickland, seconded by Trustee Smydra.

7. Additions to Investment Stock Buy ListAction re
Additions to
Investment Stock
Buy List
Tabled

Scudder, Stevens & Clark has recommended to the Trustee Investment Committee that the following firms be placed on the investment stock buy list of the University:

Air Products and Chemicals
*The Black and Decker Manufacturing Company
Communications Satellite Corporation (Comsat)
Gannett Company, Inc.
*NCR Corporation
*Revlon, Inc.
*Sperry Rand Corporation
UAL, Inc.

The firms asterisked are listed in various publications as doing business in South Africa.

Vice President Wilkinson reported that the Trustee Investment Committee did not approve the Scudder Stevens & Clark recommendation to add the above-listed companies to the stock buy list.

Motion was made by Trustee Radcliffe, seconded by Trustee Carrigan-Strickland to add to the stock buy list only those firms listed above which have not been reported to be doing business in South Africa.

--continued--

Other Items
for ActionD. OTHER ITEMS FOR ACTION, cont.

July 27-28, 1978

7. Additions to Investment Stock Buy List, cont.

Trustee Bruff requested Attorney Carr to prepare an opinion on the Trustees' responsibility and liability regarding the investment of the University's funds.

Motion was made by Trustee Stevens, seconded by Trustee Carrigan-Strickland, to table Trustee Radcliffe's motion pending the receipt of an opinion from the University Attorney. A roll call vote resulted in Trustees Bruff, Carrigan-Strickland, Krolikowski and Stevens voting Yes; Trustees Martin, Radcliffe, and Smydra voting No. Motion to table carried.

1978-79 Budget

8. 1978-79 Budget

Recommendations for 1978-79 tuition and fees, budget and salary guidelines, graduate and undergraduate assistant stipends, and student employee wage adjustments were distributed to the Trustees prior to the meeting and copies are filed in the Secretary's Office.

President Harden gave a summary of the legislative processes leading to the 1978-79 state appropriation and asked Vice President Wilkinson and Provost Winder to give the Trustees further details on the development of the proposed budget guidelines. Actions on the tuition and fee schedule and budget and salary guidelines were as follows:

a. Tuition and Fees

RESOLVED that the 1978-79 tuition and fee schedule be approved as recommended effective with the fall term 1978.

Approved by a vote of 6 to 1 on motion by Trustee Bruff, seconded by Trustee Carrigan-Strickland. Trustee Radcliffe voted No.

Tuition and
Feesb. Budget and Salary Guidelines

RESOLVED that the Board authorizes the development of 1978-79 budgets and salary and wage adjustments consistent with the proposal as presented, with final action thereon at the September meeting of the Board.

1978-79 budgets and faculty salary and wage adjustments were unanimously approved on motion by Trustee Stevens, seconded by Trustee Smydra.

Administrative-Professional salary and wage adjustments were unanimously approved on motion by Trustee Carrigan-Strickland, seconded by Trustee Bruff.

Budget and
Salary
Guidelinesc. Graduate and Undergraduate Assistant Stipends

RESOLVED that the proposed 1978-79 graduate and undergraduate assistant stipends be approved as recommended.

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

Graduate and
Undergraduate
Assistant
Stipendsd. Student Employees Wage Adjustments

RESOLVED that the wage adjustments for student employees be approved as recommended.

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

Student
Employees
Wage
AdjustmentsEstablishment
of Land
Management
Office9. Establishment of Land Management Office

It is the recommendation of the Trustees' Land and Physical Facilities Committee, the Executive Vice President, the dean of the College of Agriculture and Natural Resources, and the MSU Foundation that a Land Management Office be established and report jointly to the Executive Vice President and the dean of the College of Agriculture and Natural Resources.

RESOLVED that a Land Management Office be established as recommended.

Reports to
the Board

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

President's
ReportE. REPORTS TO THE BOARD1. President's Report

President Harden reported on several items that had been previously discussed by the Trustees and referred to him for additional information or investigation.

Department of Human Relations

Several meetings have been held with interested people throughout the campus and it is expected that a final report will be ready for the September or, at the latest, the October Board meeting. Areas that are being reviewed include the structure and administrative responsibility best suited to an effective affirmative action program.

Dept. of
Human Relations

-- continued--

E. REPORTS TO THE BOARD, cont.

July 27-28, 1978

1. President's Report, cont.Title IX

A report from the Athletic Department regarding Title IX compliance is expected to be completed about August 1. It appears that the most critical needs are in grants in aid to athletes and in locker facilities in Jenison Fieldhouse.

Handicapped Program

With the assistance of the handicappers, a program is being developed to address the needs of handicappers.

Campus Security

Improvements in campus lighting and communications are under way and it is anticipated that both programs will be completed by the end of fall term. An auxiliary police patrol appears unlikely at this time.

University Group Insurance Program

The Administration will recommend the appointment of an outside consultant to review the University's life insurance program.

Dormitory Tripling

Attorney Carr, at President Harden's request, reported on a recent ruling by the State Attorney General regarding dormitory tripling. In Attorney Carr's opinion, the 1917 Act on which the Attorney General's opinion was based, does not apply to MSU since the University was not designated in the Act. Moreover, compliance would necessitate the breaching of approximately 1,000 student contracts for fall term housing.

2. Board Committee Reportsa. Investment Committee

Trustee Radcliffe moved and Trustee Martin seconded the adoption of the following resolution:

WHEREAS, Michigan State University has adopted a resolution, "That after December 1, 1978, the Board of Trustees shall commence a program of prudent divestiture of its stock holdings in firms doing business in the Republic of South Africa unless the Board of Trustees receives sufficient evidence or assurance that the affected firms have adopted and are implementing positive measures to withdraw from the Republic of South Africa."; and

WHEREAS, the Board of Trustees requested "that the University Committee on Academic Environment in consultation with interested persons or groups establish indices of corporate policy and accomplishment to enable the Board of Trustees to reach its decision;" and

WHEREAS, the Academic Environment Committee has recommended that the University, "Consider ways to remind the present federal administration that the platform upon which it was elected included the following: 'The United States government should deny tax advantages to all corporations doing business in South Africa...who support or participate in apartheid practices or policies.'"; and

WHEREAS, the Michigan Legislature has already unanimously passed a resolution urging the Congress of the United States to impose sanctions against the South African Government;

NOW, THEREFORE BE IT RESOLVED that the Michigan State University Board of Trustees request the federal administration to take immediate action to deny tax advantages to all corporations doing business in South Africa who support or participate in apartheid practices or policies; and

FURTHER, that copies of this resolution be sent to the President of the United States, the Chairmen of the House and Senate Foreign Relations Committees, Secretary of State, to each member of the Michigan delegation to the Congress of the United States, the Michigan Legislature, the Government of South Africa, and the U.S. Ambassador to the United Nations.

Approved by a vote of 6 to 0. Trustee Carrigan was not in the room at the time the vote was taken.

Reports to
the BoardPresident's
Report

Title IX

Handicapped
ProgramCampus
SecurityGroup Insurance
ProgramDormitory
TriplingBoard
Committee
ReportsResolution re
denial of fed.
tax advantages
to firms doing
business in
South Africa

Reports to the Board

E. REPORTS TO THE BOARD, cont.

July 27-28, 1978

Board Committee Reports

2. Board Committee Reports, cont.

a. Investment Committee, cont.

Univ. participation in Investors Responsibility Research Ctr approved

Assistant Vice President for Finance and Assistant Treasurer Steve Terry reported on a meeting of investors interested in obtaining information about the South African situation. He summarized the history and function of the Investors Responsibility Research Center and outlined the details of a proposal for the IRRC to gather and disseminate to member institutions information regarding activities of corporations doing business in South Africa. This information will be available by early November and the cost will be approximately \$500. Mr. Terry stated it is the Administration's recommendation that the University subscribe to this service.

Motion was made by Trustee Krolikowski, seconded by Trustee Radcliffe that the University participate in the IRRC program. Approved by a vote of 6 to 0. Trustee Carrigan-Strickland was not present at the time the vote was recorded.

b. Audit Committee

Federal Audit of Grants and Contracts

Trustee Bruff, who chaired the Audit Committee meeting in Trustee Stack's absence, reported that federal auditors had issued a final favorable report on grants and contracts.

The Committee also accepted the report of a federal audit of financial aids.

Also accepted was a report from Robert Wenner, Director of Internal Audit, concerning Trustee Smydra's Board related expenses and student financial aids he has received while a Trustee of MSU. The report indicated that Trustee Smydra's expenses were within the Board's guidelines and his student financial aid within the guidelines of the financial aids program.

The Committee received reports on the Data Processing Department from Ernst & Ernst, the Internal Auditor, and Mr. James Lennon, director of the department. Many of the problems in the department have been solved and the Audit Committee review is now completed.

Audit of Trustee Smydra's expenses

Reports on Data Processing Dept.

3. Trustees' Expenses

Trustees' Expenses

Trustees' expenses paid in May 1978 totaled \$1,562.62, 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	\$27.06	\$ 16.21	\$ 3.18	\$ 8.12	\$ 9.36	\$326.10	\$28.74	\$ 11.85
Travel	--	99.45	--	--	200.00	--	--	53.25
Lodging and Subsistence	52.07	248.25	41.67	146.77	--	5.00	51.42	40.30
University Entertainment	--	34.35	--	--	52.17	36.55	--	--
Postage	.13	22.49	--	--	.52	--	2.51	6.68
Other	--	--	--	--	--	38.42	--	--
Total	\$79.26	\$420.75	\$44.85	\$154.89	\$262.05	\$406.07	\$82.67	\$112.08

Adjourned.

Edgar L. Hardey

President

Edward D. Ballard

Secretary