

MINUTES OF THE MEETING
of the
BOARD OF TRUSTEES
July 28, 1972

Present: Trustees Carrigan, Hartman, Huff, Martin, Merriman, Stevens, Thompson, and White; President Wharton, Executive Vice President and Secretary Breslin, Vice President Wilkinson, Provost Cantlon, Vice Presidents Muelder, Nonnamaker, Perrin, and Scott, Assistant to the President Ballard, Attorney Carr.

Absent: No one.

The Board convened in the Board Room at 10:25 a.m.

On motion by Trustee Huff, seconded by Trustee Hartman, it was unanimously voted to approve the minutes of the June 23, 1972 Board meeting.

SPECIAL MISCELLANEOUS

1. Trustee Huff asked that an additional item on the School of Criminal Justice be added to the agenda.

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

2. Motion was made by Trustee Thompson, seconded by Trustee Martin, to approve the Finance items on the preceding pages. Unanimously carried.

A. PERSONNEL CHANGES

Resignations

Resignations

1. Gerald A. Greathouse, Instructor, Animal Husbandry, effective June 30, 1972, to change to the tenure system.
2. Dhirajlal Makdani, Research Associate, Dairy Science, effective June 16, 1972, to return to his home country of India.
3. Cancellation of the appointment of Lloyd J. Alvarado, Research Associate, Engineering Research, effective June 16, 1972 through June 30, 1972.
4. Nova M. Green, Instructor, Medical Education Research and Development, and Health Services Education and Research, effective July 31, 1972, to accept employment elsewhere.
5. Daniel Hoy, Research Associate, Biophysics, effective June 30, 1972, to take a position with AEC.
6. Samir Mansy, Postdoctoral Fellow, Biophysics, effective August 31, 1972, to do research on another grant.
7. Harish Pant, Research Associate, Biophysics, effective July 31, 1972, to do research on another grant.
8. Paul L. Johnson, Research Associate, Chemistry, effective June 30, 1972, to accept a position elsewhere.
9. Charles Craypo, Associate Professor, Labor and Industrial Relations, effective August 31, 1972, to accept a position at Pennsylvania State University.
10. Christopher Macey, Assistant Professor, Urban Planning and Landscape Architecture, effective August 31, 1972, to accept a position at another university.
11. Elwood E. Miller, Associate Professor, Instructional Media Center, and Secondary Education and Curriculum, effective July 31, 1972, to accept an associate directorship at the University of Colorado.
12. Patricia A. Glazer, Librarian, Libraries, effective July 12, 1972, due to pregnancy.
13. Mary Frances Melnik, Librarian, Libraries, effective July 31, 1972, to accompany husband who will be doing graduate work in Pennsylvania.
14. Rita Bakan, Assistant Professor, Center for Urban Affairs, and Justin Morrill College, effective August 31, 1972.
15. Cancellation of appointment of Krishna Kumar, Instructor, Center for Urban Affairs, effective July 1, 1972 through June 30, 1973.

Sabbatical
Leaves

Leaves--Sabbatical

1. Kurt W. Schild, Assistant Professor, German and Russian, with half pay, effective January 1, 1973 through June 30, 1973 to study in Germany and East Lansing.
2. Ruth M. Brend, Associate Professor, Linguistics and Oriental and African Languages, with half pay, effective January 1, 1973 through June 30, 1973 to study in Mexico and South America in carrying on field work with the Summer Institute of Linguistics.

A. PERSONNEL CHANGES, continued

July 28, 1972

Leaves--Sabbatical, continuedSabbatical
Leaves

3. William F. Rintelmann, Professor, Audiology and Speech Sciences, with full pay, effective March 17, 1973 through September 16, 1973 to study, write, and travel in the United States and Europe.
4. Rolland T. Hinkle, Professor, Mechanical Engineering, with half pay, effective September 1, 1972 through August 31, 1973 to write text revision at his home in East Lansing.
5. R. Neal Band, Professor, Zoology, with quarter pay, effective September 1, 1972 through August 31, 1973 to study at the University of California, Berkeley.
6. Bishop N. Pipes, Jr., Professor, Humanities, with full pay, effective April 1, 1973 through June 30, 1973 to study and travel in North Africa, and Europe.
7. Mildred B. Erickson, Associate Professor, American Thought and Language, and Coordinator for Continuing Education, University College, Continuing Education, with full pay, effective June 16, 1973 through September 15, 1973 to study and travel in East Lansing, the United States and abroad.

Leaves--HealthHealth
Leaves

1. George M. Kessler, Associate Professor, Horticulture, with full pay, effective March 30, 1972 through September 20, 1972.

Leaves--Other

Other Leaves

1. Dale E. Hathaway, Professor and Chairman, Agricultural Economics, without pay, effective September 1, 1972 through August 31, 1973 to serve as consultant with the Ford Foundation.
2. George C. Kerner, Professor, Philosophy, without pay, effective January 1, 1973 through April 30, 1973 to study in Paris, France and East Lansing, Michigan.
3. Valeria M. Szigeti, Specialist, Computer Laboratory, without pay, effective August 2, 1972 through June 30, 1973 to conduct MERIT Computer Network programming in Ann Arbor.
4. Theresa B. Haddy, Assistant Professor, Human Development, without pay, effective September 1, 1972 through August 31, 1973 to study in Aachen, Germany.
5. James E. Trosko, Associate Professor, Human Development, and Justin Morrill College, without pay, effective September 1, 1972 through August 31, 1973 to study at the University of Wisconsin, McArdle Cancer Laboratory.
6. Willie White, Associate Professor, Humanities, without pay, effective September 1, 1972 through August 31, 1973 to teach at Christian Theological Seminary, Indianapolis, Indiana.

Transfers and Changes in AssignmentTransfers and
Changes in
Assignment

1. Payment of \$1,680 plus retirement pay to Lennah K. Backus, Associate Professor, (Extension) Emeritus, 4-H Youth Programs, 10% time, for the period July 1, 1972 through June 30, 1973. Lennah K. Backus
2. Change Hartwig deHaen, Research Associate, Agricultural Economics, from 100% to 50% time, effective January 1, 1972 through September 30, 1972. Hartwig deHaen
3. Dual assignment of Lawrence Libby, Assistant Professor, to Agricultural Economics and Resource Development, effective July 1, 1972. Lawrence Libby
4. Change beginning date of appointment of Thomas R. Pierson, Assistant Professor, Agricultural Economics, from July 1, 1972 to August 1, 1972. Thomas R. Pierson
5. Dual assignment of Edward M. Convey, Assistant Professor, to Dairy Science and Physiology, effective July 1, 1972. Edward M. Convey
6. Change in terms of leave for James F. Price, Associate Professor, Food Science and Human Nutrition, from leave, no pay, to leave, full pay, effective June 11, 1972 through June 30, 1972. James F. Price
7. Change of status for William J. Brazill from Associate Professor and Assistant Chairman to Associate Professor, Associate Chairman, and Graduate Director, Department of History, effective July 1, 1972. William J. Brazill
8. Dual assignment of Gordon A. Sabine, Professor, to Communication and Administration and Higher Education, effective September 1, 1972. Gordon A. Sabine
9. Dual assignment of Kent L. Gustafson, Associate Professor, to Instructional Media Center and Secondary Education and Curriculum, effective July 1, 1969 (to correct omission from original Board action). Kent L. Gustafson

A. PERSONNEL CHANGES, continued

July 28, 1972

Transfers and
Changes in
AssignmentTransfers and Changes in Assignment, continuedM. Z. v.
Krzywoblocki

10. Additional assignment to Engineering Research, effective September 1, 1972 through August 31, 1974, for M. Z. v. Krzywoblocki, Professor, Mechanical Engineering.

Thomas
Manetsch

11. Payment of \$5,973 for the period June 21, 1972 through August 31, 1972 as Summer School salary to Thomas Manetsch, Associate Professor, Electrical Engineering and Systems Science assigned to Overseas-Korea.

Ann G. Olmsted

12. Change Ann G. Olmsted from Professor, Medical Education Research and Development, and Research Associate, Secondary Education and Curriculum, to Professor, Medical Education Research and Development and Teacher Education, effective July 1, 1972.

William P.
Drescher

13. Additional assignment to Electrical Engineering and Systems Science and Osteopathic Medicine, effective July 1, 1972 through June 30, 1973, for William P. Drescher, Assistant Professor, Office of Health Services Education and Research.

Edward C.
Cantino

14. Change Edward C. Cantino, Professor, Botany and Plant Pathology, from a 10-month basis at a salary of \$23,700 per year to a 12-month basis, at a salary of \$29,625 per year, effective July 1, 1972.

Walter L.
Mallmann

15. Payment of \$11,000 plus retirement pay for the period July 1, 1972 through June 30, 1973 to Walter L. Mallmann, Professor Emeritus, Microbiology and Public Health.

James V.
Higgins

16. Change James V. Higgins, Professor, Zoology and Human Development, from a 10-month basis at a salary of \$16,650 per year to a 12-month basis at a salary of \$20,813 per year, effective September 1, 1972.

Carrie F.
Rogers

17. Change of assignment for Carrie F. Rogers, Instructor, from Family and Community Medicine to Community Medicine, effective July 1, 1972 through August 31, 1972.

Gerald L.
Simmers

18. Change beginning date of appointment of Gerald L. Simmers as Associate Professor of Family Medicine from September 1, 1972 to August 1, 1972.

John M. Hunter

19. For John M. Hunter, Professor:
a. Change of assignment from Geography and African Studies Center to Geography, Community Medicine, and African Studies Center, effective September 1, 1972 through August 31, 1973.
b. Change from a 10-month basis at a salary of \$19,800 per year to a 12-month basis at a salary of \$24,750 per year, effective September 1, 1972 through August 31, 1973.

Lawrence A.
Messe'

20. Dual assignment of Lawrence A. Messe', Associate Professor, to Psychology and the Computer Institute for Social Science Research, effective September 1, 1972 through August 31, 1973.

Gail L.
Zellman

21. Change beginning date of appointment of Gail L. Zellman as Assistant Professor of Psychology from September 1, 1972 to January 1, 1973.

Jane
Featherstone

22. Additional assignment as Director, Comprehensive English, effective September 1, 1972 for Jane Featherstone, Assistant Professor of American Thought and Language.

A. L. Thurman

23. Change A. L. Thurman from Professor and Assistant Chairman to Professor and Associate Chairman, Department of American Thought and Language, effective June 1, 1972.

F. D. Platt

24. Designation of F. D. Platt, Associate Professor, as Assistant Chairman of the Department of Humanities effective July 1, 1972.

Richard J.
Seltin

25. Designation of Richard J. Seltin, Professor, as Assistant Chairman of the Department of Natural Science, effective June 1, 1972.

Eileen R.
VanTassell

26. Change Eileen R. VanTassell, Assistant Professor, Natural Science, from a temporary to a regular appointment subject to tenure rules, effective September 1, 1971 through August 31, 1974.

John C. Thrush

27. Designation of John C. Thrush, Instructor, as Assistant Chairman of the Department of Social Science, effective September 1, 1972.

Richard J. Ball

28. Dual assignment of Richard J. Ball, Research Associate, to Psychology and Physiology with a change from 20% time at a salary of \$345.79 per month to 40% time at a salary of \$691.58 per month, effective July 1, 1972 through December 31, 1972.

Floyd G.
Parker

29. Change Floyd G. Parker from Professor, Administration and Higher Education; Professor and Assistant Director, Continuing Education; and Director, Conferences and Institutes, to Professor, Administration and Higher Education, and Professor and Assistant Director for Program and Staff Development, Continuing Education, effective July 1, 1972.

Barry D.
Bratton

30. Change beginning date of appointment of Barry D. Bratton as Specialist, Instructional Media Center, from July 1, 1972 to August 15, 1972.

A. PERSONNEL CHANGES, continued

July 28, 1972

Transfers and Changes in Assignment, continuedTransfers and
Changes in
Assignment

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| 31. Transfer and change of title for Thomas S. Gunnings from Associate Professor and Assistant Director for Minority Counseling Programs, Counseling Center, and Associate Professor, Assistant Provost for Special Programs, to Professor and Assistant Dean for Student Affairs, Dean of Human Medicine, and Professor, Center for Urban Affairs, with an increase in salary to \$26,000 per year on a 12-month basis, effective July 1, 1972. | Thomas S. Gunnings |
| 32. Change of assignment for Ira Polley from Professor, Education; Assistant Provost for Admissions and Records; and Director of Admissions and Scholarships, Provost's Office, to Professor, Education, and Assistant Provost for Admissions and Records, Provost's Office, effective July 1, 1972. | Ira Polley |
| 33. Change of status for Mladen Kabalin from Divisional Librarian, Libraries, to Assistant Director, Libraries, effective July 1, 1972. | Mladen Kabalin |
| 34. Change of status for Carolyn J. McMillen from Divisional Librarian, Libraries, to Assistant Director, Libraries, with an increase in salary to \$19,000 per year on a 12-month basis, effective July 1, 1972. | Carolyn J. McMillen |
| 35. Change of title for Arthur Levin, Department of Journalism, from Assistant Professor to Adjunct Assistant Professor, effective July 1, 1972 through June 30, 1973. | Arthur Levin |
| 36. Assignment to Overseas-Korea and change from 50% time at a salary of \$363.38 per month to 100% time at a salary of \$799.54 per month for Hartwig deHaen, Research Associate, Agricultural Economics, effective June 20, 1972 to August 8, 1972. | Hartwig deHaen |
| 37. For Kelly Max Harrison, Assistant Professor, Agricultural Economics:
a. Assignment to Overseas-Colombia, S.A., effective June 25, 1972 to July 8, 1972;
b. Assignment to Overseas-Costa Rica, effective July 9, 1972 to July 19, 1972. | Kelly Max Harrison |
| 38. Assignment of Ivan F. Schneider, Associate Professor, Crop and Soil Sciences to Overseas MSU/AID Castelar Argentine Project effective July 1, 1972 to August 5, 1972. | Ivan F. Schneider |
| 39. Assignment of Harvey F. Clarizio, Associate Professor, Counseling, Personnel Services, and Educational Psychology, to Overseas-London (AMLEC) effective June 19, 1972 to July 21, 1972. | Harvey F. Clarizio |
| 40. Assignment of Robert C. Craig, Professor and Chairman, Counseling, Personnel Services, and Educational Psychology, to Overseas-London (AMLEC) effective June 19, 1972 to July 21, 1972. | Robert C. Craig |
| 41. Assignment of Carl H. Gross, Professor and Chairman, Secondary Education and Curriculum, to Overseas-Japan (AMLEC) effective July 1, 1972 through August 8, 1972. | Carl H. Gross |
| 42. Assignment of Frederick Waisanen, Professor, Sociology, to Overseas-Central America, effective January 15, 1973 through February 28, 1973. | Frederick Waisanen |
| 43. Change Maggie Martin, Counseling Specialist, from AP-II to AP-V with an increase in salary to \$13,000 per year on a 12-month basis, effective July 1, 1972. | Maggie Martin |
| 44. Change Gilbert E. Apps from Reproduction Machine Operator VIII, Continuing Education, to Reproduction Machine Operator AP-III, Highway Traffic Safety Center, with an increase in salary to \$11,000 per year on a 12-month basis, effective August 9, 1972. | Gilbert E. Apps |
| 45. Transfer Florence E. Harvath from Executive Secretary VIII, Lecture-Concert Series, to Coordinator for Special Projects AP-III, Radio Broadcasting, with an increase in salary to \$9,970 per year on a 12-month basis, effective July 1, 1972. | Florence E. Harvath |
| 46. Change William Winters from Assistant Chief Radio Engineer AP-III to Chief Radio Engineer AP-VI, Radio Broadcasting, with an increase in salary to \$13,660 per year on a 12-month basis, effective July 1, 1972. | William Winters |
| 47. Change Craig R. Halverson from Producer AP-IV to Public Affairs Editor AP-V, TV Broadcasting, with an increase in salary to \$12,280 per year on a 12-month basis, effective July 1, 1972. | Craig R. Halverson |
| 48. Change Kay F. Ingram from Program Manager AP-VII to Program and Production Manager AP-VII, TV Broadcasting, with an increase in salary to \$14,200 per year on a 12-month basis, effective July 1, 1972. | Kay F. Ingram |
| 49. Change James C. Lau from Assistant Production and Facilities Manager AP-III to Operations and Facilities Supervisor AP-V, TV Broadcasting, with an increase in salary to \$11,620 per year on a 12-month basis, effective July 1, 1972. | James C. Lau |
| 50. Change Mary E. Sawyer from Administrative Secretary AP-I to International Programs Specialist AP-II, Dean of International Programs, with an increase in salary to \$11,690 per year on a 12-month basis, effective August 1, 1972. | Mary E. Sawyer |
| 51. Change Dorothy Young from Executive Secretary VIII to Administrative Secretary AP-I, Dean of International Programs, with an increase in salary to \$9,702 per year on a 12-month basis, effective August 1, 1972. | Dorothy Young |

A. PERSONNEL CHANGES, continued

July 28, 1972

Transfers and
Changes in
AssignmentTransfers and Changes in Assignment, continued

- Jan Johnson 52. Change for Jan Johnson from Program Director AP-I, 50% labor and 50% salary payroll, to Executive Producer AP-III, 100% salary payroll, Center for Urban Affairs, with an increase in salary to \$10,000 per year on a 12-month basis, effective July 1, 1972.
- Sylvia B. Holman 53. Change Sylvia B. Holman from Office Assistant XI, Intercollegiate Athletics, to Administrative Secretary AP-I, Intercollegiate Athletics, with an increase in salary to \$11,000 per year on a 12-month basis, effective July 1, 1972.
- William E. MacLeod 54. Change William E. MacLeod from Assistant Director AP-II to Assistant Director, Student Employment, AP-V, Placement Bureau, with an increase in salary to \$11,530 per year on a 12-month basis, effective July 1, 1972.
- Nancy C. Elliott 55. Change Nancy C. Elliott from Staff Accountant AP-IV to Director of Investments and Trusts AP-VIII, Vice President for Business and Finance, with an increase in salary to \$14,870 per year on a 12-month basis, effective July 1, 1972.
- Joanne L. Jones 56. Transfer Joanne L. Jones from Office Assistant VII, Provost's Office, to Accountant AP-IV, Vice President for Business and Finance, with an increase in salary to \$10,750 per year on a 12-month basis, effective July 16, 1972.
- James Paul Sneathen 57. Change James Paul Sneathen from General Supervisor AP-V to Maintenance Engineer AP-VI, Physical Plant, with an increase in salary to \$15,800 per year on a 12-month basis, effective July 1, 1972.
- Paul Oliaro 58. Change Paul Oliaro from Head Resident Adviser, Dean of Students, Residence Halls Program at a salary of \$5,240 per year on a 10-month basis, to Director, Student Education Program, McDonel Hall, AP-I, at a salary of \$10,640 per year on a 12-month basis, effective July 1, 1972 to July 31, 1972.
- Sandra H. Kimbrough 59. Transfer Sandra H. Kimbrough from Financial Aids Counselor AP-II, Division of Financial Aids, to Assistant Director-Employment AP-V, Personnel Office, with an increase in salary to \$12,500 per year on a 12-month basis, effective August 1, 1972.
- Josephine J. Wharton 60. Change Josephine J. Wharton from Assistant to Director AP-IV to Coordinator for Women and Minority Training Programs AP-VI, Equal Opportunity Programs, with an increase in salary to \$13,000 per year on a 12-month basis, effective August 1, 1972.
- William Kieffer 61. Assignment of William Kieffer, Graduate Assistant, Institute for International Studies in Education, to Overseas-Nepal, effective July 1, 1972 to September 12, 1972.

PromotionsPromotions

1. Change in title from Assistant Professor to Associate Professor, with tenure, for Virginia P. Bodman, Music, effective September 1, 1972.
2. Change in title from Instructor to Assistant Professor for Nancy G. Harries, Human Environment and Design, effective September 1, 1972.
3. Change in title from Instructor to Assistant Professor for Zane Keith Quible, Business Law and Office Administration, effective September 1, 1972.
4. Change in title from Instructor to Assistant Professor for Robert Elwood Babe, Television and Radio, effective July 1, 1972.
5. Change in title from Instructor to Assistant Professor for Robert I. Wittick, Geography, and Computer Institute for Social Science Research, with an increase in salary to \$12,350 per year on a 10-month basis, effective May 1, 1972.
6. Change in title from Instructor to Assistant Professor for Jeremy L. Mattson, American Thought and Language, effective July 1, 1972.
7. Change in title from Instructor to Assistant Professor for Patricia Barnes-McConnell, Center for Urban Affairs, effective July 1, 1972.
8. Change in title from Instructor to Assistant Professor for George W. Logan, Center for Urban Affairs, effective July 1, 1972.

Salary
ChangesSalary Changes

1. Increase in salary for Nicholas J. Fiel, Associate Professor, Family Medicine, to \$27,500 per year on a 12-month basis, effective July 1, 1972.
2. Increase in salary for Alan R. Anderson, Budget Assistant AP-VI, Dean of the College of Agriculture and Natural Resources, to \$14,410 per year on a 12-month basis, effective July 1, 1972.

A. PERSONNEL CHANGES, continued

July 28, 1972

Appointments

Appointments

1. Robert J. Rosenow, Instructor and Coordinator of Student Programs, Resident Instruction, Dean of Agriculture and Natural Resources, at a salary of \$10,500 per year on a 12-month basis, effective July 1, 1972 thru June 30, 1973
2. Terry Evart Bowerman, Extension Agricultural Agent, Genesee County, at a salary of \$14,000 per year on a 12-month basis, effective July 24, 1972.
3. Thalia F. Johnson, Extension 4-H Youth Agent, Hillsdale, Branch, Calhoun, and Jackson Counties, at a salary of \$10,000 per year on a 12-month basis, effective August 1, 1972.
4. Charles William McNeill, Extension 4-H Youth Agent, At Large, at a salary of \$9,000 per year on a 12-month basis, effective August 1, 1972.
5. Philip Allan Seitz, Extension 4-H Youth Agent, Saginaw, Midland, and Bay Counties, at a salary of \$14,000 per year on a 12-month basis, effective August 1, 1972.
6. David G. Waite, Program Leader-Trainer, Extension Family Living Resident, Cooperative Extension Service, at a salary of \$15,000 per year on a 12-month basis, effective August 1, 1972.
7. Thomas Miller Dickey, Specialist, Agricultural Economics, assigned to Rural Agriculture Management Project, Costa Rica, at a salary of \$640 per month, effective July 11, 1972 thru October 11, 1972.
8. William A. Ward, Visiting Associate Professor, Agricultural Economics, at a salary of \$1,677 per month, effective June 15, 1972 through August 22, 1972.
9. Gerald A. Greathouse, Instructor and Superintendent of U. P. Experiment Station, Animal Husbandry, at a salary of \$13,000 per year on a 12-month basis, effective July 1, 1972.
10. Han San Ku, Research Associate, Biochemistry, at a salary of \$15,500 per year on a 12-month basis, effective July 1, 1972 thru June 30, 1973.
11. Sung-Ho Lai, Research Associate, Crop and Soil Sciences, at a salary of \$9,600 per year on a 12-month basis, effective July 1, 1972 thru September 15, 1972.
12. Young-Oh Shin, Research Associate, Crop and Soil Sciences, at a salary of \$7,500 per year on a 12-month basis, effective July 16, 1972 through September 30, 1972.
13. Lee A. Edgerton, Research Associate, Dairy Science, at a salary of \$9,900 per year on a 12-month basis, effective July 1, 1972 through September 30, 1972.
14. Ivan L. Mao, Assistant Professor, Dairy Science, at a salary of \$14,500 per year on a 12-month basis, effective September 1, 1972.
15. Ray Jonathan White, Assistant Professor, Fisheries and Wildlife, at a salary of \$15,000 per year on a 12-month basis, effective August 15, 1972.
16. John H. C. Wang, Research Associate, Food Science and Human Nutrition, at a salary of \$8,750 per year on a 12-month basis, effective June 1, 1972 through May 31, 1973.
17. Stephen Warren Schar, Specialist, Resource Development and Urban Planning and Landscape Architecture, at a salary of \$1,250 per month, effective September 1, 1972 through August 31, 1973.
18. Michael V. Namorato, Instructor, History, at a salary of \$5,500 for the period September 16, 1972 through June 30, 1973, 70% time.
19. Robert Tatira Zwinoira, Instructor History, two-thirds time, at a salary of \$7,000 for the period September 16, 1972 through June 30, 1973.
20. Richard Howland Swain, Instructor, Philosophy, at a salary of \$10,500 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
21. Donald Stuart Kreger, Instructor, Advertising, 50% time, at a salary of \$5,000 for the period September 1, 1972 through June 30, 1973.
22. James L. Mansfield, Instructor, Administration and Higher Education, 50% time at a salary of \$8,000 for the period September 1, 1972 through June 30, 1973.
23. Donald A. Craig, Instructor, Upward Bound and Counseling, Personnel Services, and Educational Psychology, at a salary of \$13,992 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
24. Nancy Allan Carlson, Instructor and Senior Training Specialist, Elementary and Special Education, at a salary of \$12,000 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.

A. PERSONNEL CHANGES, continued

July 28, 1972

Appointments

Appointments, continued

25. Arline S. Johns, Instructor, Elementary and Special Education and Mott Institute for Community Improvement, at a salary of \$11,770 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
26. Timothy Harold Little, Assistant Professor, Elementary and Special Education, at a salary of \$12,500 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
27. Berneth N. McKercher, Instructor, Elementary and Special Education, 80% time at a salary of \$8,230 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
28. William Edwin Mellon, Instructor, Elementary and Special Education, at a salary of \$14,350 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.
29. Maxwell James Moore, Instructor, Elementary and Special Education, at a salary of \$11,600 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.
30. Jacquelyn Nickerson, Specialist, Elementary and Special Education and Mott Institute for Community Improvement, at a salary of \$12,840 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
31. Mary Spayde, Instructor, Elementary and Special Education, 50% time, at a salary of \$5,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
32. Kathleen White, Instructor, Elementary and Special Education, at a salary of \$10,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
33. Daniel H. Williams, Instructor, Elementary and Special Education, 75% time at a salary of \$7,150 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
34. Sue Ann Yovanovich, Instructor, Elementary and Special Education, at a salary of \$11,600 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.
35. Sarah Lu Boling, Instructor, Teacher Education, at a salary of \$1,000 for the period July 1, 1972 through August 31, 1972.
36. Rita Marie Costick, Instructor, Teacher Education, at a salary of \$10,500 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
37. Colleen Krebs, Instructor, Teacher Education, at a salary of \$10,500 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
38. Richard J. Stiggins, Instructor, Teacher Education, at a salary of \$12,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
39. Theodore T. Urban, Instructor, Teacher Education, at a salary of \$8,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
40. Adele Emmer, Instructor, Student Teaching, 50% time at a salary of \$5,065 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
41. Wilma L. Gillespie, Instructor, Student Teaching, at a salary of \$7,915 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
42. Laura Miller, Instructor, Student Teaching, 50% time at a salary of \$4,325 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
43. Nancy Anne Reed, Instructor, Student Teaching, 50% time, at a salary of \$4,540 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
44. Mary Ann Robinson, Instructor, Student Teaching, 50% time, at a salary of \$3,800 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
45. Louise C. Tolbert, Instructor, Student Teaching, at a salary of \$10,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
46. Ann C. Shelly, Instructor, Social Science Teaching Institute, 50% time, at a salary of \$5,000 for the period September 1, 1972 through June 30, 1973.
47. Ernest L. Adams, Assistant Professor, Mott Institute for Community Improvement, at a salary of \$16,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.

A. PERSONNEL CHANGES, continued

July 28, 1972

Appointments, continued

Appointments

48. Patricia S. Giardini, Instructor, Mott Institute for Community Improvement, at a salary of \$9,000 for the period September 1, 1972 through June 30, 1973.
49. C. William Hoffman, Instructor, and Coordinator of Differentiated Staffing Program, Mott Institute for Community Improvement, at a salary of \$12,840 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.
50. Bettye Lea Jennings, Assistant Professor, Mott Institute for Community Improvement and Counseling, Personnel Services, and Educational Psychology, at a salary of \$14,980 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
51. Charles A. Ladley, Instructor, Mott Institute for Community Improvement and Teacher Education, at a salary of \$9,000 for the period August 1, 1972 through May 31, 1973.
52. John Mehl, Instructor, Mott Institute for Community Improvement, at a salary of \$9,000 per year on a 12-month basis, effective August 1, 1972 through July 31, 1973.
53. Thomas C. Sanglier, Instructor, Mott Institute for Community Improvement, at a salary of \$9,000 for the period August 1, 1972 through May 31, 1973.
54. Elaine M. Weber, Instructor and Coordinator, Experimental Reading Program-Flint, Mott Institute for Community Improvement, at a salary of \$13,500 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
55. Philip C. Cota, Research Associate, Engineering Research, at a salary of \$833.33 per month on a 12-month basis, effective July 1, 1972 through August 31, 1972.
56. Hee Chung Park, Research Associate, Engineering Research, at a salary of \$833.33 per month on a 12-month basis, effective July 1, 1972 through September 30, 1972.
57. David Roderick, Specialist, Computer Laboratory, at a salary of \$10,300 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
58. Duane M. Allen, Assistant Professor, Dean of Human Medicine and Medicine, 25% time at a salary of \$7,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
59. Jack F. Sanders, Assistant Professor, Dean of Human Medicine and Medicine, 25% time at a salary of \$7,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
60. Gloria M. Lew, Assistant Professor, Anatomy, at a salary of \$16,000 per year on a 12-month basis, effective August 1, 1972.
61. Craig E. Booher, Assistant Professor, Human Development, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
62. Albert William Sparrow, Associate Professor, Human Development, at a salary of \$32,000 per year on a 12-month basis, effective August 1, 1972.
63. Burt M. Bullington, Clinical Professor, Medicine, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
64. Sandra A. Daugherty, Associate Professor, Medicine, and Health Services Education and Research, at a salary of \$29,300 per year on a 12-month basis, effective July 1, 1972.
65. Jon M. Hazen, Assistant Clinical Professor, Obstetrics, Gynecology, and Reproductive Biology, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
66. Janice Lee Stickney, Assistant Professor, Pharmacology, at a salary of \$18,000 per year on a 12-month basis, effective August 1, 1972.
67. Arthur L. Stanley, Consultant, Physiology, without pay, effective July 1, 1972 through June 30, 1973.
68. Joseph H. Chandler, Associate Clinical Professor, Psychiatry, variable time, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
69. Bonnie Eftaxiadis, Instructor, Psychiatry, at a salary of \$12,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
70. Mary Louise Flickinger, Assistant Professor, Psychiatry, and Nursing, at a salary of \$12,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
71. Robert Francis Freeman, Research Associate, Psychiatry, 35% time, at a salary of \$3,600 per year on a 12-month basis, effective June 12, 1972 through December 31, 1972.

A. PERSONNEL CHANGES, continued

July 28, 1972

Appointments

Appointments, continued

72. Nanette J. Davis, Instructor, Sociology, at a salary of \$12,000 per year on a 12-month basis, effective August 1, 1972 through June 30, 1973.
73. Eugene R. Cleveland, Assistant Clinical Professor, Surgery, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
74. Frank R. Lovell, Jr., Assistant Professor, Surgery, 25% time, at a salary of \$7,500 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
75. Parviz Samii, Assistant Professor, Surgery, 25% time, at a salary of \$7,500 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
76. Keith Stackhouse, Assistant Professor, Surgery, 25% time, at a salary of \$7,500 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
77. Sue Ellen Benson, Clinical Instructor, Medical Technology, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
78. Dolores Mary Green, Clinical Instructor, Medical Technology, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
79. Carole Sue Hutchinson, Clinical Instructor, Medical Technology, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
80. Lawrence S. Loesel, Consultant, Medical Technology, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
81. James Carter Martin, Clinical Instructor, Medical Technology, variable time, without pay, on a 12-month basis, effective July 1, 1972 through June 30, 1973.
82. R. Dale Lefever, Assistant Professor, Medical Education Research and Development, at a salary of \$15,000 per year on a 12-month basis, effective July 15, 1972 through June 30, 1973.
83. John T. Parmeter, Assistant Professor and Assistant to the Dean for Evaluation, (Hum Med.) Medical Education Research and Development, at a salary of \$20,000 per year on a 12-month basis, effective July 1, 1972.
84. Sears A. Eldredge, Instructor, Justin Morrill College, 50% time, at a salary of \$3,500 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
85. Samir Mansy, Postdoctoral Fellow, Biophysics, at a salary of \$7,500 per year on a 12-month basis, effective September 1, 1972 through December 31, 1972.
86. Harish Pant, Research Associate, Biophysics, at a salary of \$9,000 per year on a 12-month basis, effective August 1, 1972 through May 31, 1973.
87. Seikichi Izawa, Associate Professor, Botany and Plant Pathology, at a salary of \$13,900 per year on a 12-month basis, effective August 1, 1972 through September 30, 1972.
88. Conrad Ayasse, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective September 15, 1972 through December 31, 1972.
89. Wesley D. Bonds, Jr., Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective September 20, 1972 through September 19, 1973.
90. Douglas Buchanan, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective September 16, 1972 through September 15, 1973.
91. Ronald W. Goles, Research Associate, Chemistry, at a salary of \$800 per month on a 12-month basis, effective July 1, 1972 through February 28, 1973.
92. Masayuki Kuzuya, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective August 1, 1972 through December 31, 1972.
93. Tsutomu Miyashi, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective September 1, 1972 through December 31, 1972.
94. Takayuki Nakahira, Research Associate, Chemistry, at a salary of \$7,500 per year on a 12-month basis, effective September 1, 1972 through November 30, 1972.
95. Melvin Neuman, Research Associate, Chemistry, at a salary of \$8,500 per year on a 12-month basis, effective September 1, 1972 through December 31, 1972.
96. Makoto Nitta, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective September 1, 1972 through December 31, 1972.
97. Irene C. Wang, Research Associate, Chemistry, at a salary of \$8,000 per year on a 12-month basis, effective September 15, 1972 through December 31, 1972.

A. PERSONNEL CHANGES, continued

July 28, 1972

Appointments, continued

Appointments

98. Ray A. Warner, Assistant Professor, Chemistry, at a salary of \$12,000 per year on a 12-month basis, effective July 1, 1972 through February 28, 1973.
99. David M. Foster, Assistant Professor, Mathematics, and Lyman Briggs College, at a salary of \$11,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
100. Arthur J. Ledger, Visiting Professor, Mathematics, at a salary of \$4,000 for the period July 1, 1972 through August 31, 1972.
101. James Stewart, Visiting Instructor, Mathematics, without pay, effective July 1, 1972 through December 31, 1972.
102. Kunio Tochikubo, Visiting Assistant Professor, Microbiology and Public Health, without pay, effective July 1, 1972 through June 30, 1973.
103. Edith F. Borie, Research Associate, Physics, at a salary of \$10,000 per year on a 12-month basis, effective October 1, 1972 through March 31, 1973.
104. David Marker, Research Associate, Physics, at a salary of \$3,110 for the period June 15, 1972 through August 15, 1972.
105. Rasul A. Khan, Research Associate, Statistics and Probability, at a salary of \$3,112 for the period July 1, 1972 through August 31, 1972.
106. Barbara Horvath, Instructor, Science and Mathematics Teaching Center, at a salary of \$1,867 for the period July 1, 1972 through August 30, 1972.
107. Lynne R. Stokes, Instructor, Science and Mathematics Teaching Center, at a salary of \$3,360 for the period May 1, 1972 through August 30, 1972.
108. Barbara Ruth Stovall, Instructor, Science and Mathematics Teaching Center, at a salary of \$2,222.22 for the period July 1, 1972 through August 30, 1972.
109. Daniel John Hoy, Research Associate, MSU/AEC Plant Research Laboratory, at a salary of \$8,200 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
110. Donald E. Ensley, Instructor, Community Medicine, at a salary of \$15,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
111. Bernice Harrell, Visiting Instructor, Community Medicine, at a salary of \$1,833.34 for the period July 1, 1972 through August 31, 1972.
112. Richard B. Baldwin, Assistant Professor, Family Medicine, at a salary of \$27,500 per year on a 12-month basis, effective July 1, 1972.
113. Russell G. Gamber, Assistant Professor, Family Medicine, at a salary of \$27,500 per year on a 12-month basis, effective September 1, 1972.
114. Carrie F. Rogers, Visiting Instructor, Family and Community Medicine, at a salary of \$12,000 per year on a 12-month basis, effective June 1, 1972 through August 31, 1972.
115. Dorothy E. Carnegie, Professor, Osteopathic Medicine, at a salary of \$36,000 per year on a 12-month basis, effective July 1, 1972.
116. Richard G. Shillinglaw, Professor, Osteopathic Medicine, at a salary of \$36,000 per year on a 12-month basis, effective July 1, 1972.
117. Henry Krystal, Clinical Professor, Psychiatry, 50% time, at a salary of \$17,000 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.
118. Walter A. Poznanski, Clinical Professor, Psychiatry, 30% time, at a salary of \$10,000 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.
119. Robert A. Woodward, Clinical Professor, Psychiatry, 40% time, at a salary of \$10,000 per year on a 12-month basis, effective September 1, 1972 through August 31, 1973.
120. Marianne A. Paget, Instructor (Research), Medical Education Research and Development, 75% time, at a salary of \$8,100 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
121. Jacob J. Climo, Instructor, Anthropology, 50% time, at a salary of \$5,000 for the period September 1, 1972 through June 30, 1973.
122. James Pierce McGough, Instructor, Anthropology, 50% time, at a salary of \$5,000 for the period September 1, 1972 through June 15, 1973.
123. Herbert L. Whittier, Instructor, Anthropology, 50% time, at a salary of \$5,000 for the period September 1, 1972 through June 15, 1973.

A. PERSONNEL CHANGES, continued

July 28, 1972

Appointments

Appointments, continued

124. Sherman K. Hollander, Instructor, Geography, at a salary of \$8,520 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
125. Marsha F. Worby, Assistant Professor, Psychology, 80% time, at a salary of \$12,600 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
126. Martha J. Green, Assistant Professor, Social Work, 50% time, at a salary of \$7,100 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
127. Margrit Meyer, Assistant Professor, Social Work, at a salary of \$13,450 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
128. Willis Wilson Martin, Instructor, Urban Planning and Landscape Architecture, at a salary of \$12,000 for the period October 1, 1972 through June 30, 1973.
129. Leighton Price, Assistant Professor, Computer Institute for Social Science Research, at a salary of \$14,400 per year on a 12-month basis, effective September 1, 1972.
130. Stuart W. Thomas, Computer Specialist, Computer Institute for Social Science Research, 35% time, at a salary of \$420 for the period July 1, 1972 through July 31, 1972.
131. Albert R. Meredith, Instructor, Humanities, at a salary of \$8,000 for the period September 1, 1972 through June 30, 1973.
132. Barbara S. Rutledge, Instructor, Humanities, at a salary of \$10,000 per year on a 10-month basis, effective September 1, 1972.
133. Frances L. Schattenberg, Instructor, Humanities, 66-2/3% time, at a salary of \$5,350 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
134. Thomas C. Smith, Instructor, Humanities, at a salary of \$8,000 for the period September 1, 1972 through June 30, 1973.
135. Carol S. Wainright, Instructor, Humanities, at a salary of \$8,000 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
136. Elvira M. Wilbur, Instructor, Humanities, at a salary of \$8,100 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
137. Lydia A. Woodruff, Instructor, Humanities, at a salary of \$7,500 per year on a 10-month basis, effective September 1, 1972 through August 31, 1973.
138. Janver D. Krehbiel, Assistant Professor, Pathology, at a salary of \$20,000 per year on a 12-month basis, effective July 1, 1972.
139. James G. Cunningham, Associate Professor, Physiology, and Small Animal Surgery and Medicine, at a salary of \$20,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
140. N. Edward Robinson, Associate Professor, Physiology, and Large Animal Surgery and Medicine, at a salary of \$20,000 per year on a 12-month basis, effective August 1, 1972.
141. Christine S. F. Williams, Instructor, and Resident in Laboratory Animal Medicine, Center for Laboratory Animal Resources, at a salary of \$9,000 per year on a 12-month basis, effective July 1, 1972 through September 30, 1972.
142. Thomas U. Foster, Instructor, and Assistant Director of Instructional TV Services, Instructional Media Center, at a salary of \$15,800 per year on a 12-month basis, effective July 16, 1972.
143. Lou Anna Kimsey, Instructor and Assistant Director, Departmental Study, Institutional Research, at a salary of \$11,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1974.
144. Robert M. Burke, Specialist-Media Component, Center for Urban Affairs, at a salary of \$8,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
145. Joe T. Darden, Assistant Professor, Center for Urban Affairs, and Geography, at a salary of \$18,200 per year on a 12-month basis, effective September 1, 1972.
146. Krishna Kumar, Assistant Professor, Center for Urban Affairs, at a salary of \$13,000 per year on a 12-month basis, effective July 1, 1972 through June 30, 1973.
147. Elaine F. Mason, Specialist, Center for Urban Affairs, at a salary of \$12,000 per year on a 12-month basis, effective July 1, 1972 through September 15, 1972.
148. Louis G. Tornatzky, Assistant Professor, Center for Urban Affairs, and Psychology, at a salary of \$16,250 per year on a 12-month basis, effective September 1, 1972.

A. PERSONNEL CHANGES, continued

July 28, 1972

Appointments, continued

Appointments

149. Imogen C. Bowers, Assistant Professor, Counseling Center, at a salary of \$14,600 per year on a 12-month basis, effective September 1, 1972.
150. Annette Kearney, Assistant Professor, Counseling Center, at a salary of \$13,500 per year on a 12-month basis, effective September 1, 1972.
151. Richard K. Russell, Assistant Professor, Counseling Center, at a salary of \$13,750 per year on a 12-month basis, effective September 1, 1972.
152. James W. Ney, Instructor, English Language Center, at a salary of \$660 for the period July 30, 1972 through August 27, 1972.
153. Larry A. Cross, Instructor, Upward Bound, 50% time, at a salary of \$750 for the period June 18, 1972 through July 28, 1972.
154. Francis N. Ewert, Instructor, Upward Bound, 50% time, at a salary of \$750 for the period June 18, 1972 through July 28, 1972.
155. Judy E. Hector, Instructor, Upward Bound, 50% time, at a salary of \$750 for the period June 18, 1972 through July 28, 1972.
156. Larry S. Hill, Instructor, Upward Bound, at a salary of \$1,500 for the period June 18, 1972 through July 28, 1972.
157. Josephine Pottinger, Instructor, Upward Bound, at a salary of \$1,500 for the period June 18, 1972 through July 5, 1972.
158. Bobby G. Simmons, Instructor, Upward Bound, at a salary of \$1,500 for the period June 18, 1972 through July 28, 1972.
159. Lonnie Williams, Instructor, Upward Bound, at a salary of \$1,500 for the period June 18, 1972 through July 28, 1972.
160. Laura R. Roehler, Instructor, Teacher Education, and Elementary and Special Education at a salary of \$700 for the period August 1, 1972 through August 31, 1972.
161. James S. Kaminsky, Instructor, Humanities Teaching Institute, at a salary of \$1,000 for the period July 27, 1972 through September 1, 1972.
162. Raoul D. LePage, Associate Professor, Statistics and Probability, 66-2/3% time, at a salary of \$3,400 for the period June 21, 1972 through September 1, 1972.
163. Norman J. Sauer, Instructor, Anthropology, 50% time, at a salary of \$1,500 for the period June 21, 1972 through September 1, 1972.
164. Susan M. Asch, Instructor, Sociology, 50% time, at a salary of \$1,200 for the period June 21, 1972 through September 1, 1972.
165. Reginald K. Carter, Instructor, Sociology, 50% time, at a salary of \$1,200 for the period June 21, 1972 through September 1, 1972.
166. Sister Mary N. Cooney, Instructor, Sociology, 50% time, at a salary of \$1,200 for the period June 21, 1972 through September 1, 1972.
167. Nanette J. Davis, Instructor, Sociology, 50% time, at a salary of \$1,200 for the period June 21, 1972 through July 26, 1972.
168. Noreen C. Dulz, Instructor, Sociology, 50% time, at a salary of \$1,200 for the period June 21, 1972 through July 26, 1972.
169. Richard J. Gigliotti, Instructor, Sociology, at a salary of \$2,300 for the period June 21, 1972 through July 26, 1972.
170. Shelby O. Stewman, Instructor, Sociology, 50% time, at a salary of \$1,200 for the period June 21, 1972 through July 26, 1972.

Motion was made by Trustee Martin, seconded by Trustee Thompson, to approve the Resignations, Leaves, Transfers and Changes in Assignment, Promotions, Salary Changes, and Appointments. Unanimously carried.

Special Transfer and Change in AssignmentTransfers and
Changes in
Assignment

1. Change in assignment for Michael J. Harrison from Professor, Physics, at a salary of \$19,350 per year on a 10-month basis, to Professor, Physics, and Faculty Grievance Official, President's Office, at a salary of \$27,850 per year on a 12-month basis, effective August 1, 1972 through July 31, 1973.

Michael J.
Harrison

On motion by Trustee Carrigan, seconded by Trustee Stevens, it was unanimously voted to approve the above Special Transfer and Change in Assignment.

A.- PERSONNEL CHANGES, continued

July 28, 1972

Recommendations
from Director
of Personnel

Recommendations from the Director of Personnel

1. For the Dean's Office, College of Agriculture and Natural Resources:
 - a. Reclassify an Executive Secretary VIII to an Office Assistant IX position
 - b. Reclassify an Office Assistant from an VIII to a IX position
 - c. Establish a Senior Clerk Stenographer V position
2. For Extension 4-H Youth Agents:
 - a. Establish a 4-H Youth Assistant position
 - b. Reclassify a Senior Clerk Stenographer V to a Senior Departmental Secretary VII position
3. For Family Living Education:
 - a. Transfer a Secretary position from the Labor payroll to a Senior Departmental Secretary VII position, Salary payroll
 - b. Transfer a Clerk II position from the Labor payroll to a Clerk-Stenographer III position, Salary payroll
4. Reclassify a Departmental Secretary V to a Senior Departmental Secretary VII position for Agricultural Engineering
5. Establish a Horticulture Technician VIII position for Horticulture
6. Transfer a Senior Clerk position from the Labor payroll to a Departmental Secretary V position for Resource Development, salary payroll.
7. Reclassify a Clerk-Stenographer III to a Departmental Secretary V position for Business Law and Office Administration
8. Reclassify a Clerk-Typist II to a Senior Clerk IV position for Marketing and Transportation Administration
9. For the Dean's Office, College of Human Medicine:
 - a. Establish a Senior Departmental Secretary VII position
 - b. Establish an Office Assistant VII position
10. Establish an Executive Secretary VIII position for the Department of Pathology
11. Establish an Executive Secretary VIII position for the Office of Medical Education Research and Development
12. Establish a Senior Clerk Stenographer V position for the Department of Astronomy
13. Transfer a Lab. Technician XII position from the Labor payroll to a Botany and Plant Pathology Technician VIII position for Botany and Plant Pathology
14. Establish a Management Analyst AP-V position for the Office of the Dean, College of Osteopathic Medicine
15. Establish an Executive Secretary VIII position for the Department of Biomechanics
16. Reclassify an Accounting Clerk III to a Departmental Secretary V position for the Office of the Dean, College of Social Science
17. Change a Clerk-Typist II from one-half to two-thirds time for the Department of Humanities
18. Reclassify 2 Clerk-Typist II to Clerk-Stenographer III positions for Residence Halls - Instruction, University College
19. Change a Microbiologist VIII position from one-half to full time for the Department of Microbiology and Public Health
20. Reclassify an International Program Specialist from an AP-I to an AP-II position for the Office of the Dean, International Programs
21. Reclassify an Office Assistant from a VII to a IX position for the Office of the Provost
22. Establish a Counseling Specialist V position for the Office of the Assistant Provost for Special Programs
23. Reclassify a Clerk-Typist II to a Senior Clerk Typist V position for the Office of Admissions
24. Establish a Specialist-Traffic Law Enforcement AP-VI position for the Highway Traffic Safety Center
25. Establish a Coordinator for Special Projects AP-III position for Radio Broadcasting
26. For Television Broadcasting:
 - a. Reclassify a Producer AP-IV to a Public Affairs Editor AP-V position
 - b. Reclassify an Assistant Production and Facilities Manager AP-III to an Operations and Facilities Supervisor AP-V position
 - c. Reclassify a TV Engineer X to a TV Design Engineer XI position
 - d. Reclassify a TV Production Specialist VIII to a Film Recordist-Editor IX position
 - e. Reclassify a Clerk-Stenographer III to a Program Assistant VI position
27. Establish a Senior Departmental Secretary VII position for Instructional Development Service
28. Establish 2 Television Equipment Operator VII positions for the Instructional Media Center
29. Reclassify a Senior Departmental Secretary VII to an Administrative Secretary AP-I position for Intercollegiate Athletics
30. For Employee Compensation and Benefits, Assistant Vice President for Personnel and Employee Relations:
 - a. Establish an Office Assistant VIII position
 - b. Establish a Principal Clerk VI position
31. Reclassify an Assistant Director - Student Employment from an AP-IV to an AP-V position for the Placement Bureau
32. For Physical Plant Division:
 - a. Reclassify a General Supervisor AP-V to a Maintenance Engineer AP-VI position for Maintenance Supervision
 - b. Reclassify a Chief Telephone Operator from an VIII to a IX position
33. Reclassify a Manager Volunteer Programs IX to an Assistant Director for Training AP-III position for the Vice President for Student Affairs

A. PERSONNEL CHANGES, continued

July 28, 1972

Recommendations from the Director of Personnel, continuedRecommendations
from Director
of Personnel

34. Transfer a Clerk II position from the Labor payroll to a Senior Clerk IV position, Salary payroll, for Alumni Relations and MSU Development Fund
35. Reclassify an Assistant to Director AP-IV to a Coordinator for Women and Minority Training Program AP-VI position for Equal Opportunity Programs

On motion by Trustee White, seconded by Trustee Huff, it was unanimously voted to approve the Recommendations from the Director of Personnel.

Retirements:

Retirements

1. Retirement of Ezzie L. Cameron, Custodian, Custodial Services, effective July 1, 1972 at a basic retirement salary of \$1,753 a year. Mrs. Cameron was born August 11, 1910 and has been employed by the University since August 13, 1954.
2. Retirement of William H. Form as Professor Emeritus, Department of Sociology, effective September 1, 1972 on the basis of 25 years of service to the University. The basic retirement salary of \$3,300 a year is to be deferred until July 1, 1982. Professor Form was born June 2, 1917 and has been a member of the faculty since September 1, 1947.
3. Retirement of Max E. Jaquette, Skilled Trade Supervisor, Physical Plant, effective August 1, 1972 at a basic retirement salary of \$3,300 a year. Mr. Jaquette was born March 18, 1911 and has been employed by the University since June 1945.
4. Retirement of Clyde W. Milligan, Building Supervisor, Dormitories and Food Services, effective September 1, 1972 at a basic retirement salary of \$3,300 a year. Mr. Milligan was born September 19, 1907 and has been employed by the University since January 29, 1947.

Ezzie L.
CameronWilliam H.
Form

Max E. Jaquette

Clyde W.
Milligan

Trustee Carrigan expressed her appreciation for the courteous and efficient manner in which Mr. Jaquette had performed his duties in the motor pool.

Deaths

Deaths:

1. Report of the death of C. Allen Harlan on June 24, 1972. Mr. Harlan served as a member of the Board of Trustees from October 29, 1957 to December 31, 1968. Mr. Harlan had been a generous benefactor to the University.
2. Report of the death of Elfrieda Wilcox, Housekeeper, Case Hall, on June 24, 1972. Mrs. Wilcox was born December 30, 1930 and had been employed by the University since September 14, 1964.
3. Report of the death of Arthur Howland on June 28, 1972. Mr. Howland was born on April 29, 1892, was employed by the University on January 1, 1927, and was Associate Professor of Agricultural Economics at the time of his retirement on July 1, 1957.
4. Report of the death of Paul Rood on July 9, 1972. Mr. Rood was born January 29, 1893, was employed by the University on March 1, 1925, and was Assistant Professor of Soil Science at the time of his retirement on July 1, 1958.
5. Report of the death of William Morefield, Painter, Kellogg Center, on July 14, 1972. Mr. Morefield was born September 11, 1915 and had been employed by the University since February 5, 1958.
6. Report of the death of Marion G. Baker, Accounting Clerk, Bureau of Business and Economic Research, on July 7, 1972. Mrs. Baker was born November 5, 1922 and had been employed by the University since September 18, 1962.

C. Allen Harlan

Elfrieda Wilcox

Arthur Howland

Paul Rood

William
Morefield

It was recommended that Mr. Morefield's salary be continued for one year beyond the date of his death, or until July 14, 1973.

Marion G. Baker

It was recommended that Mrs. Baker's salary be continued for 11 months beyond the date of her death, or until June 7, 1973.

Motion was made by Trustee Carrigan, seconded by Trustee Stevens, to approve the above recommendations. Unanimously carried.

B. GIFTS AND GRANTS

Gifts and
Grants

1. Gift of a lithograph, Flaubert Favorites, valued at \$250 from Mrs. Gertrude Kasle, Detroit, for the Kresge Art Center.
2. Gift of equipment, including an incubator, operating surgical light, and a motor, with a total value of \$1,983.92 from the National Science Foundation to be used under the direction of Edward Eisenstein in the Department of Biophysics.
3. Gift of a wire wrapper tool valued at \$100 from the Ingersoll-Rand Co., East Brunswick New Jersey, to be used under the direction of David Besselievre in the Department of Physics.

Gifts and
Grants

B. GIFTS AND GRANTS, continued

July 28, 1972

4. Gift of equipment including an amplifier, power supply unit, and a vacuum pump, with a total value of \$2,313.89 from the National Science Foundation to be used under the direction of W. H. Kelly in the Department of Physics.
5. Gift of a woodworking jointer valued at \$233 and an amplifier valued at \$1,100 from the National Science Foundation to be used under the direction of F. J. Blatt in the Department of Physics.
6. Gift of scientific journals valued at \$367 from Sherwood K. Haynes, Okemos, for use in the Cyclotron laboratory.
7. Gift of a volume of 61 original color drawings of flowers by Margaret Weld of Lulworth Castle, England, dated 1722, valued at \$6,000 from Mrs. Gladys Olds Anderson, East Lansing, for the Libraries.
8. Gifts with a total value of \$5,804 from various donors as per the list on file in the Secretary's Office for research and display in the Museum.
9. Grants to be used for scholarship purposes, as follows:
 - a. \$426,256.77 from various donors for the period July 1, 1971 through June 30, 1972 as restricted grants to designated MSU students.
 - b. \$250 from The Chicago Farmers, Chicago, Illinois, for a scholarship for a senior student in the College of Agriculture and Natural Resources.
 - c. \$250 from Stouffer Foods, Division of Litton Industries, Solon, Ohio, to provide scholarships for recipients to be chosen by the Department of Food Science and Human Nutrition.
 - d. \$250 from the New York Florists' Club, Inc., New York, to provide scholarship assistance to two students in the Department of Horticulture.
 - e. For recipients to be selected by the Institute of Agricultural Technology:
 - \$30 from Crooks Farm Power, Inc., Edmore
 - \$40 from Body-Harrison Equipment Co., Inc., Wixom
 - \$20 from Flint Ford Tractor, Inc., Flint
 - \$25 from Goodyear Bros. Implements, Inc., Hastings
 - \$20 from Gross Farm Equipment, Saline
 - \$10 from Laethem Farm Service Co., Fairgrove
 - \$10 from Lum Implement Co., Lum
 - \$25 from Map-Pul Equipment Co., Traverse City
 - \$25 from Muehl Implement Co., Inc., Sandusky
 - \$20 from Parr & Son, Inc., McBrides
 - \$25 from R. E. Peckens, Inc., Cohoctah
 - \$25 from Ravenna Farm & Equipment, Inc., Ravenna
 - \$30 from Wm. F. Sell & Son, Inc., Taylor
 - \$20 from Tri-County Equipment Co., Marlette
 - \$30 from Weiss Farm Equipment, Inc., Frankenmuth
 - \$20 from Wertz Implement Co., Charlotte
 - \$20 from Hoyt E. Whelan Co., Tecumseh
 - \$25 from William's Farm Machinery, Charlotte
 - f. For the Farm Equipment Fund:
 - \$200 from John Deere Co., Columbus, Ohio
 - \$25 from Don Sharkey, Farm Implements, St. Louis
 - \$25 from Tecumseh Equipment Co., Tecumseh
 - g. \$1,500 from Super Value Stores, Inc., Hopkins, Minnesota, to provide a scholarship in the Department of Marketing and Transportation Administration.
 - h. \$250 from the National Association of Meat Purveyors, Chicago, for students in the School of Hotel, Restaurant, and Institutional Management.
 - i. \$7,375 from the Michigan Osteopathic College Foundation for students enrolled in the College of Osteopathic Medicine.
 - j. For the Latin American Research Fund:
 - \$50 from C. W. Minkel, East Lansing
 - \$5 from Robert N. Thomas, East Lansing
 - k. \$29.43 from D. C. Heath & Co., Lexington, Massachusetts, as a contribution to the Manpower Studies Scholarship Fund.
 - l. \$90 from Walter Adams, East Lansing, as a contribution to the Martin Luther King Scholarship Fund.
 - m. \$275 from various donors for the MSU Faculty Account.
 - n. For the North American Indian Fund--MSU:
 - \$17.05 from the Woman's Society of Peoples Church, East Lansing
 - \$100 from Episcopal Churchwomen of Western Michigan, Battle Creek
 - o. \$1,000 from the Lansing-East Lansing Branch AAUW for part-time scholarships for wives of graduate students during the 1972-73 academic year.
10. Grants as follows to the MSU Development Fund:
 - a. \$25 from Thomas A. Fontana, Scott AFB, Illinois, for the Department of Accounting and Financial Administration account, in memory of Capt. George Bailey.
 - b. \$5,000 from IBM, East Lansing, for the Engineering - Equal Opportunity Program account.
 - c. \$2,875 from various donors for the College of Engineering - Dean's Discretionary Fund.
 - d. \$252 from various donors for the College of Engineering - Dean's Discretionary Fund in memory of Alfred Leigh.

B. GIFTS AND GRANTS, continued

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10. Grants to the MSU Development Fund, continued
 - e. \$500 from Albe E. and Dorothy J. Munson, Petoskey, to establish an endowment fund, the income to be used for an annual award to be given to the outstanding student in the "design implementation" courses in landscape architecture.
 - f. For the CCIP Scholarship Fund account:
 - \$100 from Ruth P. Kelly, Okemos
 - \$100 from Women's Society - Peoples Church, East Lansing
 - g. For the MSU Development Fund Unrestricted Account:
 - 68 shares of Dow Chemical Co. stock valued at \$6,201.60 from William and Hannah Baker, Midland, to be deposited in the MSU Development Fund Unrestricted account
 - \$1,000 from Donald R. Borgeson, Birmingham
 - h. For the Faculty Scholarship account:
 - \$60 from John R. Kinney, East Lansing
 - \$2,083 from various donors
 - i. \$100 from Edwin Baur, Kalamazoo, for the Charles S. Force Memorial Fund account.
 - j. \$50 from Mrs. Gladys Olds Anderson, Lansing, for the Office of Volunteer Programs - Kids for Rent account.
11. Grant of \$5,000 from the County of Presque Isle, Commissioners, Rogers City, Michigan, to be used under the direction of G. S. McIntyre in the Cooperative Extension Service as part of the salary of an additional Extension Agent assigned to Presque Isle County for the period January 1, 1972 through December 31, 1972.
12. Grant of \$7,500 from American Farm Bureau Research Foundation, Park Ridge, Illinois, to be used under the direction of C. M. Hansen in the Department of Agricultural Engineering to support ongoing asparagus research projects.
13. Grant of \$4,400 from Cannery Machinery, Limited, Simcoe, Ontario, Canada, to be used under the direction of C. M. Hansen and B. F. Cargill in the Department of Agricultural Engineering to improve a mechanical strawberry capper.
14. Grant of \$6,000 from Ford Motor Company, Birmingham, Michigan, to be used under the direction of C. J. Mackson in the Department of Agricultural Engineering as a fellowship grant for Ashok Shinde.
15. Grant of \$500 from C. J. Mackson, East Lansing, Michigan, to be used under the direction of C. J. Mackson in the Department of Agricultural Engineering for research supplies, equipment and travel.
16. Grant of \$2,500 from Mark Products, Inc., Houston, Texas, to be used under the direction of C. M. Hansen in the Department of Agricultural Engineering to develop a high speed cherry pitter engineering concept.
17. Grant of \$3,814 from Michigan Blueberry Growers Association, Grand Junction, Michigan, to be used under the direction of C. M. Hansen in the Department of Agricultural Engineering to improve blueberry handling techniques from the mechanical harvester to the processor.
18. Grant of \$2,500 from Michigan Concord Grape Production Res. Fund, National Grape Coop., Lawton, Michigan, to be used under the direction of C. M. Hansen in the Department of Agricultural Engineering for research in the area of mechanical pruning and combing aids for concord grapes.
19. Grant of \$399.89 from USS Agri-Chemicals, Atlanta, Georgia, to be used under the direction of C. M. Hansen in the Department of Agricultural Engineering to conduct field research on the application of NH_3 .
20. Grant of \$3,000 from Agri-Tech, Inc., Kansas City, Missouri, to be used under the direction of E. R. Miller in the Department of Animal Husbandry to determine if incorporation of Protamone (iodinated casein) in the lactation diet of the sow will stimulate milk production and thereby the growth of her offspring.
21. Grant of \$3,750 from Grocers Dairy Company, Grand Rapids, Michigan, to be used under the direction of H. E. Henderson in the Department of Animal Husbandry to develop fermentation procedures for converting whey into Ammonium Lactate and test Ammonium Lactate as a source of crude protein for ruminant animals.
22. Grant of \$3,750 from Michigan Producers Dairy Company, Adrian, Michigan, to be used under the direction of H. E. Henderson in the Department of Animal Husbandry to develop fermentation procedures for converting whey into Ammonium Lactate and test Ammonium Lactate as a source of crude protein for ruminant animals.
23. Grant of \$3,750 from Michigan Milk Producers Association, Detroit, Michigan, to be used under the direction of H. E. Henderson in the Department of Animal Husbandry to develop fermentation procedures for converting whey into Ammonium Lactate and test Ammonium Lactate as a source of crude protein for ruminant animals.
24. Grant of \$3,750 from Ruminant Nitrogen Products Company, Adrian, Michigan, to be used under the direction of H. E. Henderson in the Department of Animal Husbandry to develop fermentation procedures for converting whey into Ammonium Lactate and test Ammonium Lactate as a source of crude protein for ruminant animals.
25. Grant of \$1,000 from Colville C. Jackson, Jr., Gloster, Mississippi, to be used under the direction of R. H. Nelson in the Department of Animal Husbandry for the improvement of teaching livestock production.

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B. GIFTS AND GRANTS, continued

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26. Grant of \$21,250 from Ruminant Nitrogen Products Company, Adrian, Michigan, to be used under the direction of H. E. Henderson in the Department of Animal Husbandry to test and evaluate sources and levels of sulfur, phosphorus, chelates and ammonium salts for ruminant animals.
27. Grant of \$4,199.59 from the University of Michigan, Ann Arbor, Michigan, to be used under the direction of D. E. Ullrey in the Department of Animal Husbandry for the analyses of deer browse and body tissues to be performed as part of a cooperative ecological study.
28. Grant of \$103,524 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of W. A. Wood in the Department of Biochemistry as a predoctoral and postdoctoral training grant.
29. Grant of \$500 from Allied Chemical Corporation, Omaha, Nebraska, to be used under the direction of M. L. Vitosh in the Department of Crop and Soil Sciences to evaluate the effect of ortho- and poly-ammonium phosphates on yield and specific gravity of irrigated potatoes.
30. Grant of \$1,500 from CIBA-Geigy Corporation, Ardsley, New York, to be used under the direction of W. F. Meggitt in the Department of Crop and Soil Sciences to evaluate certain herbicides for weed control in corn and soybeans.
31. Grant of \$22,100 from Michigan Bean Commission, Lansing, Michigan, to be used under the direction of M. W. Adams in the Department of Crop and Soil Sciences for the development of improved strains of beans.
32. Grant of \$750 from Michigan Bean Commission, Lansing, Michigan, to be used under the direction of L. V. Nelson in the Department of Crop and Soil Sciences to conduct narrow row bean demonstrations in various counties.
33. Grant of \$7,000 from Michigan Foundation Seed Association, Inc., East Lansing, Michigan, to be used under the direction of E. H. Everson in the Department of Crop and Soil Sciences for the development of new varieties of wheat which carry quality factors and the resistance to disease, insects, and winter killing where it is possible and feasible to incorporate such resistance.
34. Grant of \$3,000 from Michigan Foundation Seed Association, Inc., East Lansing, Michigan, to be used under the direction of D. D. Harpstead in the Department of Crop and Soil Sciences for the evaluation of genetic seed stocks for release for public utilization in the future.
35. Grant of \$16,658.40 from Michigan Hybrid Seed Corn Producers, Ovid, Michigan, to be used under the direction of E. C. Rossman in the Department of Crop and Soil Sciences to continue corn breeding research program.
36. Grant of \$6,300 from Michigan Millers Association, Chelsea, Michigan, to be used under the direction of E. H. Everson in the Department of Crop and Soil Sciences for research on winterhardiness in wheat, genetics of seed dormancy factors in wheat, wheat quality and breeding of winterhardy soft white wheat.
37. Grant of \$1,200 from Michigan Turfgrass Foundation, East Lansing, Michigan, to be used under the direction of J. B. Beard in the Department of Crop and Soil Sciences for research studies with turfgrass.
38. Grant of \$1,000 from Mobil Chemical Company, Edison, New Jersey, to be used under the direction of W. F. Meggitt in the Department of Crop and Soil Sciences to evaluate certain herbicides and combinations for weed control in soybeans and dry beans.
39. Grant of \$50,000 from the National Science Foundation, Washington, D.C., to be used under the direction of M. M. Mortland in the Department of Crop and Soil Sciences and T. J. Pinnavaia in the Department of Chemistry for research in chemisorbed species on transition metal ion exchange forms of clay minerals.
40. Grant of \$500 from Nor-Am Agricultural Products, Inc., Chicago, Illinois, to be used under the direction of W. F. Meggitt in the Department of Crop and Soil Sciences to study postemergence herbicides for weed control in sugarbeets and to study the related soil residues.
41. Grant of \$4,500 from USGA Green Section Research & Education Fund, Inc., New York, New York, to be used under the direction of J. B. Beard in the Department of Crop and Soil Sciences for investigation of Poa Annua.
42. Grant of \$5,000 from Abbott Laboratories, North Chicago, Illinois, to be used under the direction of E. M. Convey in the Department of Dairy Science to investigate the physiology of pituitary active peptides and to determine their applicability to problems of animal agriculture.
43. Grant of \$5,000 from Ruminant Nitrogen Products Co., Adrian, Michigan, to be used under the direction of J. T. Huber in the Department of Dairy Science for addition of ammonia to corn silage for lactating cows.

B. GIFTS AND GRANTS, continued

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44. Grant of \$7,504.83 from the Estate of Grace K. Gelder, Grand Rapids, Michigan, to be used under the direction of N. Kevern in the Department of Fisheries and Wildlife for Higgins Lake Conservation School.
45. Grant of \$28,527 from Consumers Power Company, Jackson, Michigan, to be used under the direction of P. I. Tack and L. W. Gysel in the Department of Fisheries and Wildlife to analyze and describe aquatic and terrestrial site components in the vicinity of the Consumers Power Company in Ottawa County.
46. Grant of \$1,500 from Pere Marquette Watershed Council, Baldwin, Michigan, to be used under the direction of N. R. Kevern in the Department of Fisheries and Wildlife to determine the effect of temperature and nutrients, resulting from impoundments, on the distribution and growth of trout.
47. Grant of \$36,190 from the U.S. Department of Interior, Bureau of Sport Fisheries and Wildlife, Washington, D.C., to be used under the direction of H. E. Johnson in the Department of Fisheries and Wildlife to determine the effects of the toxicity of TFM (3-trifluormethyl - 4 nitrophenol) to stream invertebrates, algae and macrophytes.
48. Grant of \$2,000 from Quaker Oats Foundation, Barrington, Illinois, to be used under the direction of G. A. Leveille in the Department of Food Science and Human Nutrition as an unrestricted grant.
49. Grant of \$10,000 from Intermountain Forest and Range Experiment Station, Forest Service, USDA, Ogden, Utah, to be used under the direction of G. A. Leveille in the Department of Food Science and Human Nutrition and D. E. Chappelle in the Department of Forestry to determine the level of precision that is appropriate to the timber inventory on the St. Joe National Forest in Idaho.
50. Grant of \$2,000 from Allied Chemical Corporation, Morristown, New Jersey, to be used under the direction of D. R. Dilley in the Department of Horticulture for selective chemicals being used for the purpose of estimating the potential of the treatment for increasing sugar content in harvested sugarbeets.
51. Grant of \$6,500 from American Farm Bureau Research Foundation, Park Ridge, Illinois, to be used under the direction of H. Price in the Department of Horticulture to support ongoing asparagus research projects in horticulture and plant pathology.
52. Grant of \$1,000 from American Seed Research Foundation, Washington, D.C., to be used under the direction of R. C. Herner in the Department of Horticulture to support ongoing research dealing with seed germination and seedling growth at cold temperatures of plants sensitive to chilling injury.
53. Grant of \$1,000 from CIBA-Geigy Corporation, Ardsley, New York, to be used under the direction of A. R. Putnam in the Department of Horticulture to support herbicide research programs in progress relating to horticultural crops.
54. Grant of \$2,000 from Gerber Products Co., Fremont, Michigan, to be used under the direction of L. R. Baker in the Department of Horticulture to support ongoing research to develop improved hybrid carrot varieties for processing and strengthen programs for the commercial testing of experimental hybrid carrots.
55. Grant of \$1,500 from Gerber Products Co., Fremont, Michigan, to be used under the direction of R. F. Carlson in the Department of Horticulture for continuing research on tree fruit rootstock.
56. Grant of \$3,000 from Heinz U.S.A., Pittsburgh, Pennsylvania, to be used under the direction of L. R. Baker in the Department of Horticulture to support ongoing programs to develop improved cucumber and carrot hybrids for processing.
57. Grant of \$1,000 from Michigan Apple Committee, Lansing, Michigan, to be used under the direction of D. H. Dewey in the Department of Horticulture to support program in progress to improve internal quality of apples for fresh market and processing.
58. Grant of \$3,000 from Michigan Concord Grape Production Research Fund, National Grape Co-op., Lawton, Michigan, to be used under the direction of G. S. Howell in the Department of Horticulture to support research in progress on grapes with emphasis on plant nutrition, cold-hardiness and vineyard management.
59. Grant of \$534 from Michigan State Florists Association, Haslett, Michigan, to be used under the direction of W. Carpenter in the Department of Horticulture to support continuing work on greenhouse flower crops.
60. Grant of \$200 from National Pickle Growers Association, Inc., St. Charles, Illinois, to be used under the direction of L. R. Baker in the Department of Horticulture to support ongoing research on cucumber breeding.
61. Grant of \$1,000 from Thompson-Hayward Chemical Company, Kansas City, Missouri, to be used under the direction of D. R. Dilley in the Department of Horticulture to differentiate direct chemical effects of growth regulators from indirect effects caused by alteration of ethylene biosynthesis on plant growth and development and on fruit ripening.

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B. GIFTS AND GRANTS, continued

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62. Grant of \$45 from H. B. Tukey Memorial Fund, East Lansing, Michigan, to be used under the direction of J. Carew in the Department of Horticulture to provide scholarships and awards to students in memory of Dr. H. B. Tukey.
63. Grant of \$3,500 from Uniroyal, Inc., Chemical Division, Naugatuck, Connecticut, to be used under the direction of A. L. Kenworthy in the Department of Horticulture for continuing research on effect of Alar on cherries, apricots, peaches and apples.
64. Grant of \$300 from Velsicol Chemical Corporation, Chicago, Illinois, to be used under the direction of A. R. Putnam in the Department of Horticulture to support ongoing research programs relating to horticultural crops.
65. Grant of \$67.50 from RoBAND Corporation, Menomonee Falls, Wisconsin, to be used under the direction of J. W. Goff in the School of Packaging as an unrestricted grant.
66. Grant of \$4,164 from National Park Service, Pacific Northwest Regional Office, Seattle, Washington, to be used under the direction of P. H. Risk in the Department of Park and Recreation Resources to examine and evaluate currently operating environmental interpretation programs and recommend means to enhance their effectiveness.
67. Grant of \$600 from Parke-Davis, Detroit, Michigan, to be used under the direction of D. Polin in the Department of Poultry Science to obtain data on dilantin levels in tissues of broiler-type chickens.
68. Grant of \$2,400 from USDA, Washington, D.C., to be used under the direction of R. Klemm and A. M. Lucas in the Department of Poultry Science for avian anatomy investigation.
69. Grant of \$14,089 from Upper Great Lakes Commission, Madison, Wisconsin, to be used under the direction of D. A. Bronstein in the Department of Resource Development to determine range and types of land use controls which can be legally applied in local government areas in each of 3 states; and to analyze the need for applying land use controls in areas adjacent to a sample of federal project areas and recommend appropriate controls.
70. Grant of \$30,865 from the U. S. Department of Health, Education, and Welfare, Washington, D.C., to be used under the direction of W. N. Hughes in the Department of German and Russian to provide foreign language fellowships to graduate students under NDEA Title VI.
71. Grant of \$17,000 from Council on International Educational Exchange, New York, New York, to be used under the direction of P. E. Munsell in the English Language Center to provide intensive American language and culture for a group of 40 Japanese teachers of English.
72. Grant of \$15,000 from English Language Educational Council, Chiyoda-ku, Tokyo, Japan, to be used under the direction of S. Imamura in the English Language Center to expose the participants to an intensive program of American language and culture.
73. Grant of \$50 from 3-M Company, Lansing, Michigan, to be used under the direction of K. Louhi, Dean's Office, College of Business, as an unrestricted grant.
74. Grant of \$100 from E. E. Comiskey, LaFayette, Indiana, to be used under the direction of G. M. Jones in the Department of Accounting and Financial Administration for faculty development.
75. Grant of \$50 from B. E. Cushing, Austin, Texas, to be used under the direction of G. M. Jones in the Department of Accounting and Financial Administration for faculty development.
76. Grant of \$100 from Charles J. Gaa, Okemos, Michigan, to be used under the direction of G. M. Jones in the Department of Accounting and Financial Administration for faculty development.
77. Grant of \$100 from Gale E. Newell, Kalamazoo, Michigan, to be used under the direction of G. M. Jones in the Department of Accounting and Financial Administration for faculty development.
78. Grant of \$100 from John Ruswinckel, Okemos, Michigan, to be used under the direction of G. M. Jones in the Department of Accounting and Financial Administration for faculty development.
79. Grant of \$100 from Glen R. Sanderson, Los Angeles, California, to be used under the direction of G. M. Jones in the Department of Accounting and Financial Administration for faculty development.
80. Grant of \$11,600 from the National Science Foundation, Washington, D.C., to be used under the direction of J. B. Ramsey in the Department of Economics to undertake an analysis of specification errors in econometric research.

B. GIFTS AND GRANTS, continued

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81. Grant of \$1,000 from Dow Chemical Company, Midland, Michigan, to be used under the direction of D. A. Taylor in the Department of Marketing and Transportation Administration to support the development of the marketing program and faculty.
82. Grant of \$1,000 from McCord Corporation, Detroit, Michigan, to be used under the direction of D. A. Taylor in the Department of Marketing and Transportation Administration to support the development of the marketing program and faculty.
83. Grant of \$3,500 from Texas Eastern Transmission Corporation, Houston, Texas, to be used under the direction of D. A. Anderson and H. M. Trebing in the Institute of Public Utilities to support the activities of the Institute.
84. Grant of \$86,191.69 from Agency for International Development, Washington, D.C., to be used under the direction of W. A. Herzog in the Department of Communication for seminars which introduce participants in AID Training Programs to principles of effective communication and the role of communication in the modernization process.
85. Grant of \$88,967 from the Lansing School District, Lansing, Michigan, to be used under the direction of L. W. Dean in the College of Education to develop competency-based program of teacher education.
86. Grant of \$2,100 from Midwest Community College Leadership Council, Detroit, Michigan, to be used under the direction of M. R. Raines in the Department of Administration and Higher Education for fellowship support.
87. Grant of \$1,400 from National Education Association, Washington, D.C., to be used under the direction of J. W. Smith in the Department of Administration and Higher Education for supplies, equipment and services needed for the operation of the Outdoor Education Project.
88. Grant of \$625.84 from North Central Fund of Midwest Community College Coordinating Committee, Detroit, Michigan, to be used under the direction of M. R. Raines in the Department of Administration and Higher Education, to provide graduate students with assistance in completing research projects in the field of community college administration.
89. Grant of \$3,100 from Kenny-Michigan Rehabilitation Foundation, Detroit, Michigan, to be used under the direction of G. A. Miller in the Department of Counseling, Personnel Services and Educational Psychology for financial assistance to graduate students in the field of rehabilitation counseling.
90. Grant of \$287 from various donors to be used under the direction of N. Kagan in the Department of Counseling, Personnel Services and Educational Psychology for interpersonal process recall research.
91. Grant of \$435 from Ingham Int. Sch. Dist., Mason, Michigan, to be used under the direction of J. E. Keller in the Department of Elementary and Special Education to develop survey instrument to be used with classrooms for emotionally disturbed children.
92. Grant of \$111,864 from Lansing School District, Lansing, Michigan, to be used under the direction of D. H. Nickerson in the Department of Elementary and Special Education to develop and utilize competency-based teacher education program (Teacher Corps).
93. Grant of \$62,400 from U. S. Office of Education, Washington, D.C., to be used under the direction of P. G. Haines in the Department of Secondary Education and Curriculum for the continuation of 3-year doctoral program in Vocational and Technical Education for 8 fellowships granted to individuals selected nationally.
94. Grant of \$3,800 from Longview Foundation, Washington, D.C., to be used under the direction of D. Jacobson in the Social Science Teaching Institute to underwrite conferences held in International Education and writing and publishing of booklet on International Education Conferences.
95. Grant of \$36,500 from Control Data Corporation, Minneapolis, Minnesota, to be used under the direction of M. A. Rahimi in the Division of Engineering Research to improve refine and expand the current PLANIT system.
96. Grant of \$50,000 from NASA Langley Research Center, Hampton, Virginia, to be used under the direction of M. Z. v. Krzywoblocki in the Division of Engineering Research for application of the wave mechanics theory of turbulence to selected fluid dynamics problems.
97. Grant of \$24,000 from Jessie Smith Noyes Foundation, Inc., New York, New York, to be used under the direction of W. E. Cooper and H. E. Koenig in the Division of Engineering Research for assistantships for environmental systems studies by graduate students in humanities and social sciences.
98. Grant of \$35 from Brigham Young University, Provo, Utah, to be used under the direction of R. W. Little in the Department of Mechanical Engineering for research and computerized design.

B. GIFTS AND GRANTS, continued

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99. Grant of \$3,000 from Dow Chemical Company, Midland, Michigan, to be used under the direction of R. W. Little in the Department of Mechanical Engineering for matching funds for sponsored research grants, financial aid to students, to build the general academic program of the department.
100. Grant of \$9,400 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of O. Mickelsen in the Department of Food Science and Human Nutrition to study the 97 women originally examined in this department in 1948 to 1955 when their ages ranged from 40 to 80 years, to determine which characteristics are most closely related to longevity and good health in aging women.
101. Grant of \$500 from Mr. and Mrs. Albert Aalbers, Grand Rapids, Michigan, to be used under the direction of A. D. Hunt in the College of Human Medicine for the Student Emergency Loan Fund account.
102. Grant of \$550,000 from the National Institutes of Health, Department of Health, Education and Welfare, Bethesda, Maryland, to be used under the direction of A. D. Hunt in the College of Human Medicine for the Health Professions Special Project Grant Program.
103. Grant of \$9,913 from the U. S. Public Health Service, to be used under the direction of D. Weston in the College of Human Medicine for a seminar on curriculum development in comprehensive health care.
104. Grant of \$100 from Student American Medical Association, East Lansing, Michigan, to be used under the direction of A. D. Hunt in the College of Human Medicine to purchase books for library.
105. Grant of \$104,126 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of C. C. Sweeley in the Department of Biochemistry for research in chemistry and metabolism of sphingolipids.
106. Grant of \$51,025 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of T. A. Helmrath in the Department of Human Development to describe the initiating and control factors of hepatic gluconeogenesis in the immediate newborn period.
107. Grant of \$30,327 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of J. E. Trosko in the Department of Human Development for study on the repair and metagenesis in human cells.
108. Grant of \$24,032 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of R. R. Brubaker in the Department of Microbiology and Public Health for research in expression and regulation of virulence in Pasteurellae.
109. Grant of \$23,000 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of D. H. Bing in the Department of Microbiology and Public Health for the Research Career Development Award.
110. Grant of \$2,000 from the American Hoechst Corporation, Somerville, New Jersey, to be used under the direction of J. B. Hook in the Department of Pharmacology to provide a medical student research fellowship in renal pharmacology and for research support.
111. Grant of \$25,438 from the American Medical Association, Chicago, Illinois, to be used under the direction of G. L. Gebber in the Department of Pharmacology for research in central blockade of the baroreceptor reflexes by nicotine.
112. Grant of \$43,531 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of T. M. Brody in the Department of Pharmacology for a training grant.
113. Grant of \$4,550 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of R. H. Rech in the Department of Pharmacology for research in brain amine release during suppressed behavior.
114. Grant of \$47,920 from the National Institutes of Health, to be used under the direction of F. J. Haddy in the Department of Physiology for research in the role of electrolytes in hypertension.
115. Grant of \$42,300 from the National Institutes of Health to be used under the direction of F. J. Haddy in the Department of Physiology for research in effect of cations, anions and water upon blood vessels.
116. Grant of \$36,966 from the National Institutes of Health to be used under the direction of R. M. Daugherty in the Department of Physiology for research in the effect of procedures on ischemic limb O₂ and blood flow.
117. Grant of \$2,367.38 from New York Medical College, New York, New York, to be used under the direction of S. N. Rous in the Department of Surgery for the drug evaluation project.

B. GIFTS AND GRANTS, continued

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118. Grant of \$125 from Edward W. Sparrow Hospital, Lansing, Michigan, to be used under the direction of H. Jason in the Office of Medical Education Research and Development for reimbursement of part of an honorarium paid to Dr. Brian Hennen of Canada.
119. Grant of \$5,000 from the International Nickel Company, Inc., New York, New York, to be used under the direction of B. Rosenberg in the Department of Biophysics as a postdoctoral research fellowship grant.
120. Grant of \$68,288 from the National Institutes of Health, Washington, D.C., to be used under the direction of B. Rosenberg in the Department of Biophysics for research in metal coordination complexes in cancer chemotherapy.
121. Grant of \$4,766 from the U.S. Atomic Energy Commission, Washington, D.C., to be used under the direction of B. Rosenberg in the Department of Biophysics for research in the solid state electrical properties of proteins and biological systems.
122. Grant of \$1,000 from Eli Lilly and Company, Indianapolis, Indiana, to be used under the direction of E. J. Klos in the Department of Botany and Plant Pathology to study mode of action, curative properties and physiological crop responses of EL273 against apple scab and cherry leaf spot.
123. Grant of \$400 from Eli Lilly and Company, Indianapolis, Indiana, to be used under the direction of W. G. Fields in the Department of Botany and Plant Pathology to evaluate identifying of soil sterilants on soil microorganisms.
124. Grant of \$500 from Mallinckrodt Chemical Works, St. Louis, Missouri, to be used under the direction of J. M. Vargas, Jr. in the Department of Botany and Plant Pathology to evaluate FungoTM as a turfgrass fungicide.
125. Grant of \$500 from Merck & Co., Inc., Rahway, New Jersey, to be used under the direction of E. J. Klos in the Department of Botany and Plant Pathology to study fungicidal activity of ME-89, ME-91 and Mertect against apple scab and cherry leaf spot.
126. Grant of \$1,000 from Michigan Concord Grape Production Research Fund, National Grape Co-op., Lawton, Michigan, to be used under the direction of D. C. Ramsdell in the Department of Botany and Plant Pathology to help defray costs incurred in assaying for presence of viruses involved in grapevine degeneration disease and to establish a clean stock program for Concord grapes in Michigan.
127. Grant of \$56,000 from the National Science Foundation, Washington, D.C., to be used under the direction of R. S. Bandurski in the Department of Botany and Plant Pathology for research in metabolism of micro-organisms and higher plants with special reference to sulfate reduction.
128. Grant of \$200 from Pennwalt Corporation, Bryan, Texas, to be used under the direction of D. C. Ramsdell in the Department of Botany and Plant Pathology to help defray costs incurred in the field evaluation of fungicides for small fruit disease control (grapes and strawberries).
129. Grant of \$500 from Rohm and Haas Company, Philadelphia, Pennsylvania, to be used under the direction of H. S. Potter in the Department of Botany and Plant Pathology for residue studies on celery resulting from aerial application of dithiocarbamate fungicides.
130. Grant of \$250 from Stauffer Chemical Company, San Francisco, California, to be used under the direction of A. L. Jones in the Department of Botany and Plant Pathology to support work on fungicides for the control of tree-fruit diseases and their place in integrated pest control programs.
131. Grant of \$500 from The Upjohn Company, Kalamazoo, Michigan, to be used under the direction of J. M. Vargas, Jr. in the Department of Botany and Plant Pathology to evaluate turf fungicide U-32,104.
132. Grant of \$1,000 from Williams' Flying Service, Tutwiler, Mississippi, to be used under the direction of H. S. Potter in the Department of Botany and Plant Pathology to study spray patterns and drift control with the Micronair rotary atomizer.
133. Grant of \$27,000 from the Atomic Energy Commission, Washington, D.C., to be used under the direction of M. T. Rogers in the Department of Chemistry for electron spin resonance studies of radiation effects.
134. Grant of \$2,500 from the Dow Chemical Company, Midland, Michigan, to be used under the direction of J. B. Kinsinger in the Department of Chemistry as an unrestricted grant.
135. Grant of \$27,200 from the National Science Foundation, Washington, D.C., to be used under the direction of W. Rathke in the Department of Chemistry for research in Boron-stabilized carbanions.

Gifts and
Grants

B. GIFTS AND GRANTS, continued

July 28, 1972

136. Grant of \$1,250 from CIBA-Geigy Corporation, Ardsley, New York, to be used under the direction of A. Howitt in the Department of Entomology for insecticide research.
137. Grant of \$1,000 from CIBA-Geigy Corporation, Ardsley, New York, to be used under the direction of A. Howitt in the Department of Entomology for testing of insecticides and miticides.
138. Grant of \$300 from CIBA-Geigy Corporation, Ardsley, New York, to be used under the direction of G. Guyer and A. Wells in the Department of Entomology for evaluation of insecticides.
139. Grant of \$200 from Diamond Shamrock Chemical Company, Ft. Wayne, Indiana, to be used under the direction of G. Guyer and A. Wells in the Department of Entomology for evaluation of insecticides on vegetables.
140. Grant of \$5,100 from Dow Chemical Co., Des Plaines, Illinois, to be used under the direction of A. Howitt in the Department of Entomology for research on fruit pests.
141. Grant of \$500 from Gerber Products Company, Fremont, Michigan, to be used under the direction of C. W. Laughlin in the Department of Entomology for nematode research.
142. Grant of \$37,000 from Michigan Department of Health, Lansing, Michigan, to be used under the direction of R. Hoopingarner in the Department of Entomology to monitor human chromosomes for possible damage caused by pesticides.
143. Grant of \$1,000 from Michigan Grape Research Council to be used under the direction of A. Howitt in the Department of Entomology for research on grape insects.
144. Grant of \$500 from Miller Chemical & Fertilizer Corp., Hanover, Pennsylvania, to be used under the direction of G. Guyer and A. Wells in the Department of Entomology for evaluation of Nu-Film products.
145. Grant of \$2,500 from Proctor and Gamble Company, Cincinnati, Ohio, to be used under the direction of A. Howitt in the Department of Entomology for evaluation of miticide testing.
146. Grant of \$1,500 from Rhodia (Chipman) Inc., New Brunswick, New Jersey, to be used under the direction of A. Howitt in the Department of Entomology for research on low volume applications of Zolone in apples.
147. Grant of \$700 from Rhodia Chipman, New Brunswick, New Jersey, to be used under the direction of G. Guyer and A. Wells in the Department of Entomology for evaluation of insecticides.
148. Grant of \$500 from Rhodia Chipman, New Brunswick, New Jersey, to be used under the direction of R. Ruppel in the Department of Entomology for research on control of insects on field and forage crops.
149. Grant of \$1,000 from Stauffer Chemical Company, San Francisco, California, to be used under the direction of A. Howitt in the Department of Entomology for evaluation of insecticides.
150. Grant of \$500 from Stauffer Chemical Company, Mountain View, California, to be used under the direction of G. Guyer and A. Wells in the Department of Entomology for evaluation of insecticides.
151. Grant of \$400 from Stauffer Chemical Company, Mountain View, California, to be used under the direction of R. Ruppel in the Department of Entomology for research on control of soil pests.
152. Grant of \$3,500 from Union Carbide Corp. Grand Rapids, Michigan, to be used under the direction of A. Howitt, R. Ruppel, and C. W. Laughlin in the Department of Entomology for fruit research; insect and nematode research on sugarbeets.
153. Grant of \$40,000 from USDA to be used under the direction of D. L. Haynes and F. Stehn in the Department of Entomology for the development of biological and integrated control for the cereal leaf beetle.
154. Grant of \$37,800 from USDA to be used under the direction of B. Croft in the Department of Entomology to develop pest management methods to utilize biological control.
155. Grant of \$5,000 from USDA Agricultural Research Service, Minneapolis, Minnesota, to be used under the direction of G. McIntyre in the Department of Entomology for insect survey control.
156. Grant of \$110,000 from USDA, Animal and Plant Health Inspection Service, Hyattsville, Maryland, to be used under the direction of W. W. Thompson in the Department of Entomology for pest management pilot program on apples.
157. Grant of \$500 from Velsicol Chemical Corp., Chicago, Illinois, to be used under the direction of A. Howitt in the Department of Entomology for evaluation of insecticides on fruit.

B. GIFTS AND GRANTS, continued

July 28, 1972

Gifts and
Grants

158. Grant of \$750 from Zoecon, Palo Alto, California, to be used under the direction of A. Howitt in the Department of Entomology for evaluation of insecticides.
159. Grant of \$11,000 from the National Science Foundation, Washington, D.C., to be used under the direction of K. W. Kwun in the Department of Mathematics for research in problems in manifolds and homotopy theory.
160. Grant of \$30,966 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of R. N. Costilow in the Department of Microbiology and Public Health for research in biochemistry of ornithine fermentation.
161. Grant of \$43,000 from the National Science Foundation, Washington, D.C., to be used under the direction of R. L. Uffen in the Department of Microbiology and Public Health for research in biochemical and structural diversity among aquatic microorganisms in anaerobic environments.
162. Grant of \$69,900 from the National Science Foundation, Washington, D.C., to be used under the direction of M. J. Harrison in the Department of Physics, for theoretical studies in solid state physics.
163. Grant of \$40,000 from the National Science Foundation, Washington, D.C. to be used under the direction of H. Forstat and R. D. Spence to study the effects of impurities on the magnetic properties of crystals, in the Department of Physics.
164. Grant of \$21,500 from the National Science Foundation, Washington, D.C., to be used under the direction of T. H. Edwards in the Department of Physics for research in molecular spectra in the near infrared region.
165. Grant of \$5,700 from the National Science Foundation, Washington, D.C., to be used under the direction of P. Signell in the Department of Physics for physics instructional film development.
166. Grant of \$8,300 from Research Corporation, Minneapolis, Minnesota, to be used under the direction of W. P. Pratt in the Department of Physics for ultra-low temperature study of very dilute paramagnetic solids.
167. Grant of \$36,635 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of L. G. Clemens in the Department of Zoology for research in neural control of sexual behavior in the rat.
168. Grant of \$15,360 from the Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland, to be used under the direction of I. Payne in the School of Nursing for the professional nurse traineeship program--long term.
169. Grant of \$81,084 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of M. Gamble in the School of Nursing for a study related to admission, counseling, program planning and instruction of minority students who have indicated interest in nursing as a profession.
170. Grant of \$7,199 from U.S. Public Health Service, Bethesda, Maryland, to be used under the direction of M. L. Brouillette in the School of Nursing to increase the effectiveness of public health nurse practitioners in the state of Michigan by improving the knowledge and skills essential to teaching and leadership functions.
171. Grant of \$27,638 from Van Buren Intermediate School District, Lawrence, Michigan, to be used under the direction of B. Stovall in the Science and Mathematics Teaching Center to conduct summer trials of science oral language materials and collect data related to the oral language diagnostic test.
172. Grant of \$25,000 from the Michigan College of Osteopathic Medicine, Board of Trustees Pontiac, Michigan, to be used under the direction of M. S. Magen in the College of Osteopathic Medicine as an unrestricted grant.
173. Grant of \$3,000 from the Michigan College of Osteopathic Medicine, Board of Trustees, Pontiac, Michigan, to be used under the direction of M. S. Magen in the College of Osteopathic Medicine as an unrestricted grant.
174. Grant of \$1,800 from the Michigan College of Osteopathic Medicine, Board of Trustees, Pontiac, Michigan, to be used under the direction of M. S. Magen in the College of Osteopathic Medicine as an unrestricted grant.
175. Grant of \$47,726 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of M. S. Magen in the College of Osteopathic Medicine for the Health Professions Educational Improvement Program - Special Project Grant.
176. Grant of \$1,000 from Michigan Osteopathic College Foundation, Detroit, Michigan, to be used under the direction of R. Ward in the Department of Family Medicine as an unrestricted grant.
177. Grant of \$36,061 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of H. C. Miller in the Department of Microbiology and Public Health for research in immunogenesis from bone-marrow cells.

Gifts and
Grants

B. GIFTS AND GRANTS, continued

July 28, 1972

178. Grant of \$47,288 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of J. I. Goodman in the Department of Pharmacology for research in repair synthesis of DNA in precancerous rat liver.
179. Grant of \$17,800 from The Ford Foundation, to be used under the direction of P. Abramson in the Department of Political Science to cover fellowship salary, research expenses, and to continue contributions to faculty benefits during fellowship period.
180. Grant of \$55,732 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of G. W. Fairweather in the Department of Psychology for pilot project - Ph.D. training in ecological psychology.
181. Grant of \$23,000 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of G. I. Hatton in the Department of Psychology for studies relating to internal sensing systems and drinking behavior.
182. Grant of \$18,818 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of G. Wood in the Department of Psychology for a study of organization and attributes of memory units.
183. Grant of \$11,690 from the National Institutes of Health, Chevy Chase, Maryland, to be used under the direction of M. Rilling in the Department of Psychology for analysis of stimulus properties of fixed ratio schedules.
184. Grant of \$9,492 from Environmental Protection Agency, Washington, D.C., to be used under the direction of D. Morrison in the Department of Sociology for a bibliography of social science literature related to environment.
185. Grant of \$47,372 from the National Institute of Mental Health, Rockville, Maryland, to be used under the direction of M. Bruck in the School of Social Work for graduate training in psychiatric social work.
186. Grant of \$27,037 from the National Institute of Mental Health, Department of Health, Education and Welfare, Rockville, Maryland, to be used under the direction of S. E. Knapman in the School of Social Work for graduate training in school social work.
187. Grant of \$24,942 from the National Institute of Mental Health, Department of Health, Education and Welfare, Rockville, Maryland, to be used under the direction of P. Evans in the School of Social Work for graduate training in community mental health.
188. Grant of \$68,734 from Social and Rehabilitation Service, Department of Health, Education and Welfare, Chicago, Illinois, to be used under the direction of G. Andrew in the School of Social Work for graduate training in social and rehabilitation services.
189. Grant of \$220,000 from National Aeronautics and Space Administration, Washington, D.C., to be used under the direction of R. D. Vlasin in the Department of Resource Development and M. G. Boylan in the School of Urban Planning and Landscape Architecture to develop and demonstrate the operational uses of remote sensing related to land and water use planning and policy formulation.
190. Grant of \$35,000 from U.S. Office of Education, Washington, D.C., to be used under the direction of W. T. Ross in the Asian Studies Center for the continuation of the South Asian Language and Area Center.
191. Grant of \$275 from Greater Lansing Auxiliary to the M.V.M.A., Lansing, Michigan, to be used under the direction of W. W. Armistead in the College of Veterinary Medicine for the Veterinary Scholarship Fund.
192. Grant of \$100 from the Greater Lansing Auxiliary to the M.V.M.A., Lansing, Michigan, to be used under the direction of W. W. Armistead in the College of Veterinary Medicine for the Veterinary Clinic library.
193. Grant of \$1,500 from the Michigan Veterinary Medical Association to be used under the direction of W. W. Armistead in the College of Veterinary Medicine for the May 1972 Honors Convocation.
194. Grant of \$25 from the Women's Auxiliary to the Michigan Veterinary Medical Association, Hartford, Michigan, to be used under the direction of W. W. Armistead in the College of Veterinary Medicine to purchase a book in memory of Dr. Ashton W. Emery.
195. Grant of \$19,500 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of C. Welsch in the Department of Anatomy to evaluate the role of the neuroendocrine system in tumorigenesis.
196. Grant of \$5,000 from American Meat Institute, Chicago, Illinois, to be used under the direction of V. H. Mallmann in the Department of Microbiology and Public Health for research in immediate moist heat resistance of mycobacterium avium and M. intracellulare.

B. GIFTS AND GRANTS, continued

July 28, 1972

Gifts and
Grants

197. Grant of \$250 from Foundation for Microbiology, New Brunswick, New Jersey, to be used under the direction of D. E. Caldwell in the Department of Microbiology and Public Health to cover partial travel expenses for Douglas Caldwell to Stockholm.
198. Grant of \$29,899 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of L. F. Velicer in the Department of Microbiology and Public Health for research in molecular biology of RNA cancer viruses.
199. Grant of \$25,848 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of J. F. Williams in the Department of Microbiology and Public Health for research in immunology of larval tapeworm infection.
200. Grant of \$65,700 from U.S. Department of Agriculture, Hyattsville, Maryland, to be used under the direction of V. Mallman in the Department of Microbiology and Public Health for study of animal tuberculosis.
201. Grant of \$24,592 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of J. D. Krehbiel in the Department of Pathology to support a comparative study of cataracts using the Bobwhite quail as a model.
202. Grant of \$35,367 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of R. A. Bernard in the Department of Physiology for electrophysiological studies of the gustatory system.
203. Grant of \$24,500 from the National Institutes of Health to be used under the direction of J. B. Scott in the Department of Physiology for role of chemicals in local blood flow regulation, Career Development Award.
204. Grant of \$23,708 from the National Institutes of Health to be used under the direction of J. B. Scott in the Department of Physiology for research in role of chemicals in local blood flow regulation.
205. Grant of \$1,458.70 from Parke, Davis and Company, Detroit, Michigan, to be used under the direction of G. H. Conner in the Department of Large Animal Surgery and Medicine for continuation of experimental drug research in the domestic animal.
206. Grant of \$50 from David Stoloff, Marlboro, Connecticut, to be used under the direction of F. H. Oberst in the Department of Large Animal Surgery and Medicine for study and research in the equine.
207. Grant of \$100 from James A. Carlson, Chicago, Illinois, to be used under the direction of R. G. Schirmer in the Department of Small Animal Surgery and Medicine as an unrestricted grant.
208. Grant of \$6 from Golf Rose Animal Hospital, Palatine, Illinois, to be used under the direction of U. V. Mostosky in the Department of Small Animal Surgery and Medicine as an unrestricted grant.
209. Grant of \$100 from Marion Goransson, Lambertville, Michigan, to be used under the direction of U. V. Mostosky in the Department of Small Animal Surgery and Medicine as an unrestricted grant in memory of Joseph Goransson.
210. Grant of \$1,127.60 from Parke, Davis & Company, Detroit, Michigan, to be used under the direction of W. F. Keller in the Department of Small Animal Surgery and Medicine for continuation of research.
211. Grant of \$500 from Southeastern Michigan Veterinary Association, Detroit, Michigan, to be used under the direction of W. F. Keller in the Department of Small Animal Surgery and Medicine as an unrestricted grant.
212. Grant of \$50 from David Stoloff, Marlborough, Connecticut, to be used under the direction of U. V. Mostosky in the Department of Small Animal Surgery and Medicine as an unrestricted grant.
213. Grant of \$14,715 from Travenol Laboratories, Inc., Morton Grove, Illinois, to be used under the direction of D. C. Sawyer in the Department of Small Animal Surgery and Medicine for research in subacute toxicity of BAX 3224 in *Macaca speciosa*.
214. Grant of \$11,340 from Muscular Dystrophy Associations of America, Inc., New York, New York, to be used under the direction of W. G. Hoag in the Center for Laboratory Animal Resources to study contractile characteristics of sciatic cross-innervated muscles of parabiotic normal and dystrophic mice.
215. Grant of \$41,033 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of W. R. Dukelow in the Center for Laboratory Animal Resources for research in control of ovulation and capacitation in non-human primate.
216. Grant of \$21,416 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of W. R. Dukelow in the Center for Laboratory Animal Resources and the Department of Physiology for the Career Development Award.

Gifts and
Grants

B. GIFTS AND GRANTS, continued

July 28, 1972

217. Grant of \$36,178 from the National Institutes of Health, Bethesda, Maryland, to be used under the direction of R. E. Chapin in the Libraries to strengthen Library resources and services in health sciences.
218. Grant of \$29,710 from the Environmental Protection Agency, Washington, D.C., to be used under the direction of C. DeHaven in Continuing Education Service and the College of Business for training of middle managers of water treatment plants.
219. Grant of \$150 from Motor Wheel Corporation, Lansing, Michigan, to be used under the direction of R. L. Green in the Center for Urban Affairs to help support the Center's summer tutorial and recreation project.
220. Grant of \$5,000 from Ransom Fidelity Co., Lansing, Michigan, to be used under the direction of R. L. Green in the Center for Urban Affairs for the summer media project which will point to and seek solutions to problems in the black community.
221. Grant of \$166,923 from the U.S. Office of Education, Washington, D.C., to be used under the direction of C. F. Schuller in the Instructional Media Center for coordination of a National System of Instructional Development Institutes by Michigan State University, Syracuse University, University of Southern California, and the Teaching Research Division of Oregon System of Higher Education.
222. Grant of \$60,000 from the U.S. Office of Education, Washington, D.C., to be used under the direction of P. W. F. Witt in the Instructional Media Center to provide financial support for an institute designed to prepare instructional media specialists to work in schools and teacher training institutions.
223. Grant of \$39,854 from the U.S. Office of Education, Washington, D.C., to be used under the direction of C. F. Schuller in the Instructional Media Center for instructional implementation project and ESEA training project.
224. Grant of \$8,856 from the U.S. Office of Education, Washington, D.C., to be used under the direction of P. W. F. Witt in the Instructional Media Center as a supplemental grant for advanced professional preparation of educational media specialists to work in school, teacher training institutions and community colleges.
225. Grant of \$90,805 from ESSO Education Foundation, New York, New York, to be used under the direction of P. L. Dressel in the Office of Institutional Research for the study of factors and characteristics relevant to the determination of departmental budgets.
226. Grant of \$50 from Basil M. Briggs, Southfield, Michigan, to be used under the direction of C. E. Cleland in the Museum for salvage archaeology at the Pine River Site, Charlevoix, Michigan.
227. Grant of \$100 from Ralph V. Hess, Charlevoix, Michigan, to be used under the direction of C. E. Cleland in the Museum for salvage archaeology at the Pine River Site, Charlevoix, Michigan.
228. Grant of \$400 from Jay Jefferson Miller II to be used under the direction of C. E. Cleland in the Museum for salvage archaeology at the Pine River Site, Charlevoix, Michigan.
229. Grant of \$600 from Elizabeth C. and Charles H. Martinez to be used under the direction of C. E. Cleland in the Museum for salvage archaeology at the Pine River Site, Charlevoix, Michigan.
230. Grant of \$6,512 from Midwest Universities Consortium for International Activities, Inc., East Lansing, Michigan, to be used under the direction of R. H. Baker in the Museum in support of proposed agreement between Gorgas Memorial Laboratory and Michigan State University for efforts in broad aspects of tropical medicine and public health.
231. Grant of \$11,595 from Midwest Universities Consortium for International Activities, Inc., East Lansing, Michigan, to be used under the direction of R. H. Baker in the Museum for collaborative research on mammalian ecology with the Instituto de Biologia and the University of Illinois in Costal Jalisco, Mexico.
232. Grant of \$1,000 from the Quaker Oats Company, Barrington, Illinois, to be used under the direction of C. R. Wharton, Jr. in the President's Office as an unrestricted gift.
233. Grant of \$15 from Garden Club of Michigan, Grosse Pointe, Michigan, to be used under the direction of F. W. Freeman in the Division of Campus Park and Planning, Hidden Lake Gardens, for plant acquisition.
234. Grant of \$25 from Rotary District 640, Adrian, Michigan, to be used under the direction of F. W. Freeman in the Division of Campus Park and Planning, Hidden Lake Gardens, to purchase books for the library in the Gardens Center Building.
235. Grant of \$800 from Midwest Universities Consortium for International Activities, Inc., East Lansing, Michigan, to be used under the direction of R. O. Niehoff in International Studies and Programs to convene an exploratory meeting of a Council on Development Economics.

B. GIFTS AND GRANTS, continued

July 28, 1972

Gifts and
Grants

236. Grant of \$81,300 from the National Science Foundation, Washington, D.C., to be used under the direction of C. W. Minkel in the School for Advanced Graduate Studies to support 13 NSF graduate fellows.
237. Grant of \$77,000 from the Department of Health, Education and Welfare, Washington, D.C., to be used under the direction of C. W. Minkel in the School for Advanced Graduate Studies, and Research Development, to provide stipends, dependency allowances and cost-of-education funds for NDEA Title V Part E Fellowship program for 1972-73.
238. Grant of \$5,340 from The Ford Foundation, New York, New York, to be used under the direction of C. W. Minkel in the School for Advanced Graduate Studies and Research Development, to support Mr. Fred D. Watts III on a Ford Foundation Doctoral Fellowship for Black Americans.
239. Grant of \$4,800 from The Ford Foundation, New York, New York, to be used under the direction of C. W. Minkel in the School for Advanced Graduate Studies and Research Development, to provide fellowship support for Mr. Robert E. Sharpton, a graduate student in the Instructional Media Center.
240. Grant of \$291,500 from the Department of Health, Education, and Welfare, Washington, D.C., to be used under the direction of C. W. Minkel in the School for Advanced Graduate Studies to support graduate students on NDEA Title IV graduate fellowships.
241. Grant of \$29,109 from U.S. Army Corps of Engineers, Detroit, Michigan, to be used under the direction of R. C. Ball in the Institute of Water Research for ecological assessment of environmental impact of wastewater management program.
242. Grant of \$284,552 from the National Institutes of Health to be used under the direction of T. Gunnings, B. Winborn, H. Hawkins in the Center for Urban Affairs to provide fellowships for 30 students from minority groups to train them as urban counselors at the M.A. level with training focusing on mental health problems.

On motion by Trustee Thompson, seconded by Trustee Carrigan, it was unanimously voted to accept the Gifts and Grants.

C. BIDS AND CONTRACT AWARDS

1. Judging Pavilion

The following bids were received on July 13, 1972 for the reroofing and gutter repair of the Judging Pavilion:

<u>Contractor</u>	<u>Base Bid</u>
Grunwell-Cashero of Lansing, Inc.	\$48,106.00
Firebaugh & Reynolds Roofing Co.	49,389.00
Steyer Roofing Co.	51,500.00
Haussman Construction Co., Inc.	59,311.00

It was recommended that a contract be awarded the low bidder, Grunwell-Cashero of Lansing, Inc. in the amount of \$48,106.00 and that the following budget be approved:

Contract	\$48,106.00
Contingencies	8,394.00
Engineering, Supervision & Expediting	<u>3,500.00</u>
Total expected expenditures	\$60,000.00

Funds are available in account 11-8115 for this project.

RESOLVED that the above bid be accepted by the Board of Trustees, that a contract be awarded as recommended, and that the budget and allocation be approved.

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

2. Parking Facilities at Fee Hall

The following bids were received on July 14 for the expansion of parking facilities at Fee Hall. This work was previously authorized by the Board.

<u>Contractor</u>	<u>Base Bid</u>	<u>Deduct Alternate</u>
Brown Brothers, Inc.	\$109,890	\$25,000
Spartan Asphalt Paving Co.	111,963	24,025
Rieth-Riley Construction Co., Inc.	116,650	30,900

The deduct alternate eliminates work proposed for the east parking lot, which would have developed 24 new parking spaces.

Contract for
reroofing and
gutter repair
to Judging
Pavilion

Contract for
expansion of
parking facilities
at Fee
Hall

Bids and
Contract Awards

C. BIDS AND CONTRACT AWARDS, continued

July 28, 1972

2. Parking Facilities at Fee Hall, continued

It was recommended that a contract be awarded to Brown Brothers in the amount of \$84,890 which accepts the deduct alternate, and that the following budget be established for this work.

Work under contract (Brown Brothers)	\$84,890
Landscape development	5,900
Engineering Services (including electrical supervision by Physical Plant)	2,900
Subtotal	\$93,790
5% contingency	4,510
Total	\$98,300

RESOLVED that the recommendation for the awarding of a contract and the proposed budget for the expansion of parking facilities at Fee Hall be approved.

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

Contract
awarded for
alterations to
Kresge Art
Center

3. Alterations to Kresge Art Center

The following bids were received on July 26 for alterations to the Kresge Art Center:

Haussman Construction Company	\$146,850
Christman Co.	146,913
Clark Construction Co.	149,195

Prior to receiving these bids, the University received a quotation for alterations to Room 19 in order to have this part of the project completed before the start of the fall term. The contract was awarded to the Haussman Construction Co. in the amount of \$39,725.

The balance of the project is incorporated in the bids as stated above.

It was recommended that the contract be awarded to the low bidder, the Haussman Construction Co. in the amount of \$146,850, and that the following budget be established:

Haussman Construction Co. (approved quotation)	\$39,725
Haussman Construction Co. (contract)	146,850
Architect fees	25,000
Engineering inspection	3,425
Site repairs	1,000
Six gas kilns, ten electric kilns	48,500
Contingencies	3,500
	\$268,000

Funds in the amount of \$250,000 were provided from the alteration and improvement budget of the 1971-72 fiscal year. The additional \$18,000 will be allocated from the 1972-73 budget.

RESOLVED that the Trustees receive the bids and award a contract as recommended and that the budget of \$268,000 be approved.

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

D. OTHER ITEMS FOR ACTION

Collection
Procedures for
Student
Governing
Groups approved

1. A document entitled "Criteria for Using Collection Procedures for Student Governing Groups and Student Organizations" had been developed by the offices of the Vice President for Student Affairs and the Vice President for Business and Finance. Copies had been distributed to the Trustees. It was recommended that these procedures be approved.

RESOLVED that the "Criteria for Using Collection Procedures for Student Governing Groups and Student Organizations" be approved as recommended.

Unanimously approved. Motion by Trustee Hartman, seconded by Trustee Thompson. A copy of the "Criteria for Using Collection Procedures for Student Governing Groups and Student Organizations" is filed in the Secretary's Office and made a part of these minutes.

Married
Students
Union approved
as major
governing group

2. A petition drive was conducted during spring quarter of 1972 among the students and spouses of University married housing and a total of 2,454 students and spouses, who were eligible to sign, signed the petition. This amounted to some 55% of the total students and spouses in married housing. Of those signing, 96% were in favor of both the establishment of the Married Students Union and the collection of 25 cents per term tax.

After petitioning had been completed, the matter was submitted to both ASMSU and the University Student Affairs Committee. Both of these organizations endorsed approving the Married Students Union as a major governing group.

D. OTHER ITEMS FOR ACTION, continued

July 28, 1972

2. Married Students Union, continued

Married
Students Union,
cont.

It was recommended that the Married Students Union be formally approved by the Board of Trustees as a major governing group. A copy of the constitution of this organization had been distributed to the Trustees.

RESOLVED that the Married Students Union be formally approved as a major governing group, with the understanding that the changes recommended by Vice President Nonnamaker will be made in the Married Students Union constitution.

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

3. Vice President Perrin commented on the Women's Committee Report and the administration's response, contained in a document called "Women at Michigan State University: Positive Action for Equal Opportunity." Copies of both documents had been distributed to the Trustees and are on file in the Secretary's Office.

Discussion re
administration
response to
Women's Com-
mittee Report;
action on pro-
posal for re-
organization of
Equal Opportunity
Programs into
Dept. of Human
Relations
postponed

Mr. Perrin labeled as untrue the charges that MSU is guilty of discrimination and stated the University is in complete compliance with every law, executive order, and federal or state directive with regard to the University's responsibilities as an employer and as a public institution. If the University was not in compliance, he declared, the University should be supplied with specifics so that corrective action could be taken.

Vice President Perrin reviewed the events that had preceded the present discussion: (1) President Wharton's appointment in February 1972 of the Women's Steering Committee with the charge to study women's concerns on campus and to propose a structure which could be responsive to these concerns; (2) the submission of the Steering Committee's report to the President on June 1; (3) the distribution of that report to various administrators on campus with the request for positive statements of what actions were being taken or could be taken in the areas which were touched upon; (4) the consolidation of these recommendations into the administration's response to the Women's Committee Report.

Mr. Perrin said the administration's proposal to work through administrative structures presently in existence so that University-wide priorities and needs could be taken into account would be preferable to working through the Committee-proposed, virtually autonomous Women's Center with authority to cut through established lines of delegated responsibility in behalf of one group.

Vice President Perrin discussed in detail several of the 21 positive actions proposed by the administration. (A complete list of these actions is filed in the Secretary's Office and made a part of these minutes.)

As the first step in carrying out the administration's alternative proposal, Vice President Perrin submitted the following resolution:

RESOLVED that the Board of Trustees approve the reorganization of the Office of Equal Opportunity Programs into the Department of Human Relations as depicted on the organization chart distributed to the Trustees (copy on file in the Secretary's Office) with the understanding that the establishment of additional staff positions will be presented at the September 1972 Board meeting.

Motion was made by Trustee Huff, seconded by Trustee Carrigan, to approve this resolution.

Trustee Carrigan expressed concern over several aspects of the administration's alternative proposal, including the elimination of the reporting of any structure for women directly to the President and the elimination of a top person in a women's coordinator role from the Executive Group. She found it "interesting" that the proposed outreach program for the surrounding community was rejected when the University is now conducting outreach programs in Human Medicine, Center for Urban Affairs, and other fields which provide training functions for the University as well as service functions for the community.

Trustee Carrigan felt the structure proposed by the administration for the coordination of activities related to women was logical and reasonable and under the right conditions could work, but it might have some trouble "getting off the ground" because of sentiments already expressed about the present office and organization from which this modification would emerge. She also noted the absence of a timetable for implementation and asked (1) who would have the responsibility for developing the job descriptions for the top positions in the Department of Human Relations, (2) how candidates would be recruited and chosen and by whom, (3) what the salaries would be for the top positions.

Responding to Trustee Carrigan's questions regarding implementation, President Wharton stated that the specific creation of a position would have to be presented to the Board and he felt it would be possible to have the Women's Advisory Council in being in the early fall, as well as a description for the Office of Women's Affairs and the Associate Director. Vice President Perrin informed Trustee Carrigan that the specific details of job descriptions and salaries for the key positions had not been worked out.

D. OTHER ITEMS FOR ACTION, continued

July 28, 1972

Response to
Women's Com-
mittee Report,
cont.

3. Administration's Response to Women's Committee Report, continued

Trustee Carrigan asked if the provision for increased authority in the Department of Human Relations meant a broader span of operation, and Vice President Perrin responded that this was true and the new department would also have increased authority to coordinate with other University departments.

Mrs. Carrigan urged that a first task for the Women's Advisory Committee would be to develop specific goals for the first year of operation and to maintain a continuing evaluation of the degree of success achieved in attaining these goals.

Because of time restrictions at the Board meeting, President Wharton suggested that to avoid hasty action on the important issues involved, the Trustees might wish to have a subgroup from the Trustees meet with the administration to develop proposals for discussion at the September Board meeting. President Wharton assured Mrs. Carrigan that the adoption of this suggestion would not appreciably delay the appointment of the Women's Advisory Council.

Trustee Stevens moved that the motion be held over and acted on at the September meeting and that Trustee Carrigan be designated to represent the Board in all appropriate discussions with the administration and other University officials in the implementing of this department; i.e., to act in the same capacity as Trustee Huff did in the development of the medical colleges and Trustee Martin is in the development of the College of Urban Development. Motion seconded by Trustee Huff.

Trustee Merriman offered an amendment to the motion to the effect that the administration provide the information to all of the Trustees at the September Board meeting. Motion to amend was seconded by Trustee Huff.

Trustee Carrigan made a substitute motion that President Wharton be designated to indicate any Trustee or Trustees for consultation with the administration. Substitute motion seconded by Trustee Huff. The substitute motion, which carries the full motion, was approved unanimously.

Dormitory rate
for 1972-73
school year to
continue at
\$380/term

4. It was recommended by Vice President Wilkinson that the University continue to assess dormitory rates at their present level, which is a base rate of \$380 per term or \$1,140 per school year. This rate includes a \$10 per term, or \$30 per year, trust reserve factor and a 15¢ per student per year Residence Hall Association tax as approved by the students and the Board of Trustees. In addition, the University will continue to collect the campus radio tax of \$1 per term where appropriate.

RESOLVED that the present dormitory rate of \$380 per term and the reserve factor and student tax as stated above continue to be in effect for the 1972-73 school year.

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

Married Housing
rental rate
increased, eff.
Oct. 1, 1972

5. It was recommended that the married housing rental rate be increased effective October 1, 1972 from \$109 to \$115 per month for a one-bedroom apartment and \$115 to \$121 per month for a two-bedroom apartment. The married housing rates include a \$2 per month, or \$24 per year, trust reserve factor.

It should be noted that the Trustees on May 21, 1971 approved a \$112 per month rate for the one-bedroom apartment and a \$118 per month rate for the two-bedroom apartment to be effective September 1, 1971. With the initiation of the federal wage-price freeze guidelines, the University was required to revert to the previous rates of \$109 and \$115, respectively. The result of this action was that no rate increase was effective for the 1971-72 school year. The above recommendation is necessary to cover incurred cost increases for the 1971-72 fiscal year as well as projected cost increases for the 1972-73 fiscal year.

RESOLVED that the married housing rates to be effective October 1, 1972 be established at \$115 per month for the one-bedroom apartment and at \$121 per month for the two-bedroom apartment and the trust reserve factor continue to be in effect.

Trustee Thompson's motion to approve this resolution was seconded by Trustee Merriman and carried by a vote of 6 to 2; Trustees Carrigan and White voted "No."

Robert H. Hayes
& Assoc.
retained to
conduct A-P
employees'
classification
study

6. It was recommended that Robert H. Hayes and Associates, Inc., of Chicago, Illinois, be retained by the University to study the Administrative-Professional employees classification structure and develop a recommended uniform salary program. It was further recommended that for these services the firm of Robert H. Hayes and Associates, Inc. be paid \$280 per day plus expenses for their time, the total cost not to exceed \$28,000.

RESOLVED that Robert H. Hayes and Associates, Inc., Chicago, Illinois, be retained to study the Administrative-Professional employees classification structure and develop a recommended uniform salary program at a cost not to exceed \$28,000.

Motion was made by Trustee Merriman, seconded by Trustee Martin, to approve this resolution.

D. OTHER ITEMS FOR ACTION, continued

July 28, 1972

6. Administrative-Professional Employees Classification Study, continuedAP-Employees
Classification
Study, cont.

Trustee Carrigan, in view of the alarm she has heard expressed over the study being conducted by this firm at the University of Michigan, offered a substitute motion that action be deferred until September so that additional information could be gathered in the meantime. Substitute motion was seconded by Trustee Huff.

Assistant Vice President Grotz reported that the study being done at the University of Michigan covers a different group of people than those proposed for the study at MSU. He pointed out that the method used by the Hayes firm differs from those used by other firms that had been considered in that it involves the people to be affected as a result of the study. He stated that the study is a result of negotiations with the A-P Association and is a commitment that has been made to the association.

Trustee Huff reported that he had some indication that Northwestern University was not happy with the work the firm had done for them and he felt the Trustees should have more time to consider this recommendation.

Provost Cantlon reported that many changes were being held up pending the completion of the study and a delay might necessitate intermediate changes which would later have to be changed.

Executive Vice President Breslin stated that the A-P classification structure has not been brought up to date since 1958 and therefore is completely outdated. A lengthy delay, he said, would prohibit the University from making any changes in the 1972-73 school year.

Substitute motion was defeated by a vote of 2 to 6; Trustees Carrigan and Huff voted "Yes." Trustee Carrigan asked that the record show that her vote was not a vote against the firm but reflected her desire to have additional information before casting a vote. President Wharton assured Trustee Carrigan that additional information would be provided.

Original motion carried by a vote of 5 to 2 with Trustee White abstaining. Trustees Carrigan and Huff voted "No."

7. Executive Vice President Breslin recommended approval of the following fringe benefit policy for part-time and temporary employees.

Approval fringe
benefit policy
for part-time
and temporary
employeesA. Regular Part-time Employees

- (1) The definition of half time for hourly employees shall be considered to be 20 hours per week or more.
- (2) Regular part-time employees working less than half time shall not be entitled to receive any fringe benefits.
- (3) Effective July 1, 1972, regular part-time employees working one-half time or more shall be eligible to receive benefits in proportion (proportion shall be defined as the nearest quarter to the percent of time employed, i.e.: 1/2 or 3/4) to a regular full-time employee in the same job category. (Note: most of these benefits are currently in existence):
 - (a) Sick leave credits
 - (b) Vacation credits
 - (c) Holiday credits
 - (d) Jury duty time off
 - (e) Military duty time off
 - (f) Funeral leave time off
 - (g) Personal Day time off

In addition, all employees while traveling on University business, are now eligible for Travel Accident Insurance at no cost.

- (4) Regular part-time employees working half time or more, after five years of continuous employment shall be eligible for the following additional benefits:
 - (a) Effective September 1, 1972, up to one-half the University hospitalization contribution afforded persons on the salaried payroll toward American or Blue Cross/Blue Shield coverage.

1972-73 Estimated Monthly Cost: \$1,600

- (b) Effective January 1, 1973, optional entry into TIAA-CREF at a 3% employee/6% University contribution level (subsequently increasing up to 5%/10%). No retroactivity for years of service previous to that date.

1972-73 Estimated Monthly Cost: \$4,000.

7. Fringe Benefit Policy for Part-time and Temporary Employees, continued

B. Temporary Employees (Full and Part-time)

- (1) A temporary employee shall be defined as an individual who is employed for specific periods expected to last 9 months or less.
- (2) Temporary employees shall not be eligible for insurance benefits.
- (3) If scheduled to work for a period of one month or more on a one-half time or more basis, the temporary employee shall be entitled to the following proportionate leave credits (proportionate shall be defined as the nearest quarter to the percent which his temporary employment is of a regular full-time employee in the same job category):
 - (a) Accumulate sick leave
 - (b) Holiday leave
 - (c) Vacation leave credits which will be first credited after 6 months of employment

For purposes of clarification:

- (1) Temporary full-time employees who are subsequently transferred without a break in service to a regular full-time position will have their employment date indicated as the original date of hire.
- (2) Temporary part-time employees scheduled for work half time or more who are subsequently transferred to a regular full- or part-time position shall bring with them earned sick leave and vacation credits.
- (3) Employees currently recognized as "on call" are not entitled to any fringe benefits.

RESOLVED that the fringe benefit policy for part-time and temporary employees, as recommended, be approved.

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

8. It was recommended that the following schedules of classified salary ranges by grades and hourly ranges be approved, effective July 1, 1972.

PROPOSED
CLERICAL-TECHNICAL
SCHEDULE OF CLASSIFIED SALARY RANGES BY GRADES
Effective July 1, 1972

Grade	Annual Salary		Monthly Salary	
	Min.	Max.	Min.	Max.
I	\$5,300	\$6,141	\$ 441	\$ 512
II	5,440	6,422	453	535
III	5,511	6,562	459	547
IV	4,735	6,926	478	577
V	6,267	7,389	522	616
VI	6,436	8,048	536	670
VII	6,660	8,272	555	689
VIII	7,473	9,576	623	798
IX	8,384	10,418	698	868
X	8,973	11,147	747	929
XI	9,632	11,735	802	978
XII	10,221	12,605	851	1,050

PROPOSED
ADMINISTRATIVE-PROFESSIONAL
SCHEDULE OF CLASSIFIED SALARY RANGES BY GRADE
Effective July 1, 1972

Grade	Annual Range		Difference Between Min. and Max. Range
	Min.	Max.	
AP-I	\$9,330	\$11,850	\$2,520
AP-II	9,930	12,590	2,660
AP-III	10,370	13,630	3,260
AP-IV	11,180	14,580	3,400
AP-V	12,000	15,550	3,550
AP-VI	12,810	16,650	3,840
AP-VII	14,060	18,360	4,300
AP-VIII	15,470	20,790	5,320
AP-IX	16,860	23,410	6,550
AP-X	21,240	Above	

Fringe Benefit
Policy for
Part-time and
Temporary
Employees, cont.

Clerical-
Technical,
Administrative-
Professional,
and Classified
and Hourly
salary schedules
to be effective
July 1, 1972
approved

D. OTHER ITEMS FOR ACTION, continued

July 28, 1972

8. Wage Schedules, continuedWage Schedules,
cont.A. Classified and Hourly Ranges, continuedSCHEDULE OF HOURLY RANGES
Effective July 1, 1972

Grade	<u>Hourly Range</u>		Grade (cont.)	<u>Hourly Range</u>	
	Min.	Max.		Min.	Max.
A	\$2.58	\$2.74	OA	\$4.17	\$4.84
B	2.61	2.84	P	4.39	4.95
C	2.64	2.97	Q	4.41	5.03
D	2.70	3.07	R	4.65	5.28
E	2.85	3.20	S	4.71	5.37
F	2.95	3.39	T	4.79	5.46
G	3.09	3.55	U	4.92	5.52
H	3.16	3.68	UA	5.03	5.74
I	3.27	3.88	V	5.15	5.99
J	3.38	3.96	VA	5.29	6.19
K	3.55	4.15	W	5.49	6.43
L	3.68	4.30	X	5.57	6.52
M	3.76	4.41	Y	5.72	6.81
N	3.87	4.57	Z	6.07	7.22
O	4.17	4.76			

On motion by Trustee Thompson, seconded by Trustee Martin, it was unanimously voted to approve the wage schedules shown above.

B. Faculty Salaries

Provost Cantlon recommended that faculty salaries, as shown on the lists submitted to the Trustees, be approved, effective July 1, 1972. Dr. Cantlon indicated that the salaries of the Specialist category in the Student Affairs section of University College would be reexamined before the September Board meeting.

Faculty
Salaries to be
effective
July 1, 1972
approved

Motion was made by Trustee Thompson, seconded by Trustee Stevens, to approve the faculty salaries to be effective July 1, 1972.

In response to Trustee Huff's question regarding disposition of the funds that might be made available to the University under the Higher Education Act, President Wharton stated that a determination had not been made as to what use will be made of these funds, but it was the feeling in preliminary discussions that these funds should be used in non-recurring areas. Provost Cantlon added that it was felt the money should be devoted to trying to make the technology of instruction more effective, and also on equipment.

Trustee Thompson's motion carried unanimously.

Motion was then made by Trustee Merriman, seconded by Trustee Thompson, that the salary information be released to the public by categories rather than by individuals. Motion failed by a vote of 2 to 6, Trustees Merriman and Thompson voting "Yes," Trustees Carrigan, Hartman, Huff, Martin, Stevens, and White voting "No."

Provost Cantlon asked that the salary lists not be distributed until a complete and correct list has been prepared.

9. 1972-73 Budgets

Vice President Wilkinson presented the following 1972-73 budgets.

1972-73
Budgets
approved

A. UNIVERSITY GENERAL

<u>Estimated Income</u>		<u>Estimated Expenditures</u>	
Student Fees	\$ 30,361,000	Salaries	\$ 73,521,065
State Appropriation	70,839,000	Labor	9,352,531
Federal Funds:		Supplies & Services	22,333,774
Morrill-Nelson	200,000	Equipment	1,917,630
Other Income:			
Application Fees	\$ 325,000		
Departmental Receipts	1,200,000		
Interest Income	650,000		
Recovery on Research			
Contracts	3,050,000		
Equity			
	5,225,000		
	500,000		
	<u>\$107,125,000</u>		<u>\$107,125,000</u>

1972-73
Budgets, cont.

D. OTHER ITEMS FOR ACTION, continued

July 28, 1972

9. 1972-73 Budgets, continued

B. AGRICULTURAL EXPERIMENT STATION

<u>Estimated Income</u>		<u>Estimated Expenditures</u>	
Federal Grants:			
Hatch		Salaries	\$4,952,831
(Requires matching)	\$1,508,390		
Hatch R.R.F.		Retirement	384,000
(Requires matching)	282,589		
McIntire-Stennis		Social Security	146,000
(Requires matching)	<u>54,397</u>		
	\$1,845,376		
State Appropriations:			
Regular State	\$4,899,000	Hospitalization	
Land Use Study	20,000	Insurance,	
Field Crop Research:		Longevity &	
Bean & Beet Plant Res.	80,000	Unemployment	
Soft White Winter Wheat	75,000	Compensation	<u>120,000</u>
Sod Production	50,000		\$ 5,602,831
Horticultural Crop Research:		Project Expense	2,301,545
Vegetable & Fruit Research	100,000		
Mechanization of			
Harvesting	40,000		
Extending Peach Tree Life	24,000		
Fruit & Vegetable			
Weather Adapt.	36,000		
Livestock Research:			
Mastitis	50,000		
Beef Cattle Forage	75,000		
Cattle & Swine Fertility	50,000		
Pest Control:			
Pesticide Research	500,000		
Integrated Control			
Fruit Pests	40,000		
Trees	<u>20,000</u>		
	<u>6,059,000</u>		
	<u>\$7,904,376</u>		<u>\$ 7,904,376</u>

C. COOPERATIVE EXTENSION SERVICE

<u>Estimated Income</u>		<u>Estimated Expenditures</u>	
Federal:		Salaries	\$8,250,358
Smith-Lever Amended		Retirement	615,453
(Requires matching)	\$2,929,645	Social Security	47,150
Nutrition Education	1,645,669	Federal Group	
AMA Federal		Life Insurance	20,000
(Requires matching)	128,711	Longevity	7,000
Rural Development	<u>31,869</u>	Unemployment	
	\$4,735,894	Compensation	31,678
State Appropriations	5,220,000	Hospitalization	
Soil Conservation		Insurance	<u>124,600</u>
Committee	11,775		\$ 9,096,239
County Grants	160,800	Travel & Maintenance	<u>1,032,230</u>
	<u>\$10,128,469</u>		<u>\$10,128,469</u>

D. INTERCOLLEGIATE ATHLETICS

Authorized Expenditures	\$ 2,184,300
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Motion was made by Trustee Martin, seconded by Trustee Thompson, to approve the 1972-73 budgets as recommended. Unanimously carried.

Approval
Graduate
Assistant
stipends eff.
fall term 1972

10. It was recommended that the following schedule of Graduate Assistant stipends be approved, effective fall term 1972.

LEVEL I	Nine Months	Monthly
1/4 time	\$ 1425 - 1900	\$ 158.33 - 211.11
1/2 time	2850 - 3800	316.67 - 422.22
3/4 time	4275 - 5700	475.00 - 633.33
LEVEL II		
1/4 time	1525 - 2000	169.44 - 222.22
1/2 time	3050 - 4000	338.89 - 444.44
3/4 time	4575 - 6000	508.33 - 666.67
SENIOR LEVEL		
1/4 time	1625 - 2800	180.56 - 311.11
1/2 time	3250 - 5600	361.11 - 622.22
3/4 time	4875 - 8400	541.67 - 933.33

On motion by Trustee Thompson, seconded by Trustee Merriman, it was unanimously voted to approve the Graduate Assistant stipends, effective fall term 1972.

D. OTHER ITEMS FOR ACTION, continued

July 28, 1972

11. Trustee Huff referred to the presentation made to the Trustees by representatives of the School of Criminal Justice on Thursday evening, July 27, and suggested that the concerns and questions raised by several of those making the presentation were of sufficient significance for the administration to reevaluate this program in terms of propose financial support.

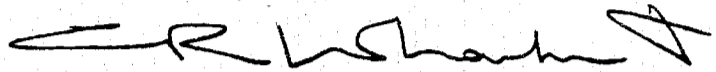
Administration
to reevaluate
financial
support for
School of
Criminal
Justice

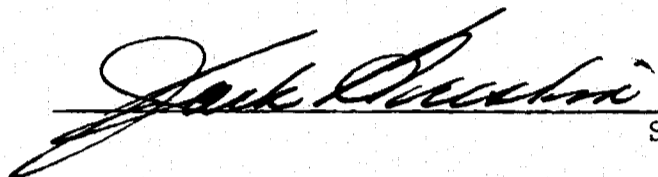
Motion was made by Trustee Huff, seconded by Trustee Hartman, to request the administration to reevaluate their proposed support for the School of Criminal Justice.

Trustee Stevens remarked that he would not be in favor of giving an advantageous position to a single department before giving other areas an opportunity to be heard.

Motion carried by a vote of 5 to 2; Trustees Hartman, Huff, Merriman, Thompson and White voting "Yes," and Trustees Carrigan and Stevens voting "No." Trustee Martin was not in the room at the time the vote was taken.

Adjourned at 1:15 p.m.


President


Secretary

MINUTES OF THE SPECIAL MEETING
of the
MICHIGAN STATE UNIVERSITY
BOARD OF TRUSTEES
September 7, 1972

Present: Trustees Carrigan, Hartman, Huff, Martin, Merriman, Stevens, Thompson, and White; President Wharton, Executive Vice President and Secretary Breslin, Vice President Wilkinson, Provost Cantlon, Vice Presidents Muelder, Nonnamaker, and Scott, Assistants to the President Ballard and Wilkie, Assistant Vice President Groty, Attorney Carr.

The Board convened in the Galaxy Room, Kellogg Center, at 7:00 p.m., President Wharton Presiding.

President Wharton reviewed for the Trustees the current status of negotiations with Locals 1585 and 999. The President indicated that major issues unresolved were wages, improved hospitalization, outside contracting, and the difference of opinion between a one- and two-year contract between the University and the unions.

Report re
negotiations
with Locals
1585 and 999

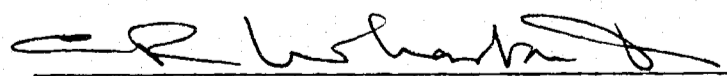
President Wharton also reported that he felt the negotiating teams had done a good job and that they have had the full support and backing of all units on the campus. The President further emphasized that one of the problems in trying to finalize contracts with Local 1585 and Local 999 has been the inability of the University bargaining team to pin down the unions relative to certain issues. The unions continue to change their opinion on issues even after there is a consensus that a certain issue has been resolved.

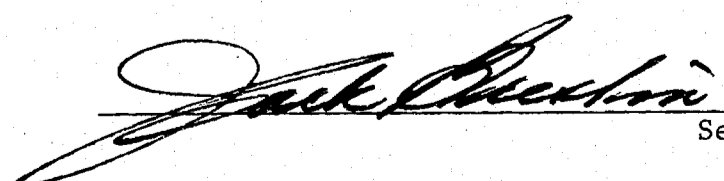
The President further indicated that it was very important that the University maintain some degree of equity among all of our employees relative to wages and fringe benefits.

The University administration is unable to determine whether the information we have relative to the possibility of a strike is correct or not. The President indicated a meeting would be held with the deans and heads of all operational units on the campus in the next few days to explain to them the status of union negotiations.

It was the consensus of the Trustees that the University was proceeding in a satisfactory manner and should continue to negotiate with the hope that our contract difficulties can be resolved just as soon as possible.

The meeting adjourned at 7:45 p.m.


President


Secretary