ABOUT THE COVER: The site was the home of Dean and Mrs. Myron S. Magen, the date was Sept. 26 and the occasion was a social gathering of the College of Osteopathic Medicine Student Associate Auxiliary. A slide tape presentation on the College, produced by Bruce Miles, Ph.D., was followed by a question and answer session with the Dean.

Pictured in the front row: Arlie Getz, Micki Hartkop, Abby Turcotte, Jade Roth, Judy Thomas and Cherrie Stallman. Second Row: Ann Jadwin, Kate Larkin (vice president), Dean and Mrs. Magen, Chris Schultz (president), and Eileen Egilsson. Standing: Michelle Mercer (senior adviser), Pam Prokop, Mary Moody, Melodie Dregansky, Odii Onvoha, Sue Norton, David Veatch, Debbie Hays, Laurie Beyer, Terry Niemi, Andrew Friedman, Elene Gourley and Jan Donnelly (recording secretary).

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PRESIDENT OF ROBERT WOOD JOHNSON FOUNDATION
TO KEYNOTE COLLEGE’S EIGHTH ANNUAL CONVOCATION

David E. Rogers, M.D., president of The Robert Wood Johnson Foundation, will present the keynote address at the eighth annual convocation of Michigan State University’s College of Osteopathic Medicine, on Friday, October 13. He will speak on "The Science That Cares".

The convocation, held annually to honor the medical college's entering class and to present the Walter F. Patenage Medals of Public Service, will be held at 3:30 p.m. in Erickson Hall Kiva.

Opening the program will be Myron S. Magen, D.O., dean of the College of Osteopathic Medicine, who will extend the welcome to the audience and introduce Michigan State University President Edgar L. Harden for his convocation remarks delivered in behalf of the University.

Dr. Rogers was named president of The Robert Wood Johnson Foundation in 1972, after serving four years as dean of medicine and vice president for medical affairs at Johns Hopkins University, and medical director of The Johns Hopkins Hospital.

The Foundation, a major private philanthropy interested in improving health in the United States, encourages projects with promise of significant regional or national impact, particularly in areas concerning access to personal health care, performance of the health care system to ensure quality care, and mechanisms for objective analysis of public policies in health.

Before moving to Johns Hopkins, Dr. Rogers was professor of medicine and chairman of the department of medicine at Vanderbilt University.

He earned his M.D. at Cornell University Medical College and took an internship and residency at Johns Hopkins. He became chief resident in medicine at New York Hospital and subsequently joined the faculty. He also was a Senior Fellow at the Rockefeller Institute in New York and was named chief of the division of infectious disease at New York Hospital-Cornell Medical Center.

Editor of The Year Book of Medicine since 1966, Dr. Rogers is author of more than 100 scientific publications in the field of infectious disease, and more recently in the field of medical education and the problems in the delivery of medical care.

The convocation also will feature presentation of the Walter F. Patenage Medals of Public Service to Dr. Rogers and two other individuals who have distinguished themselves in the areas of education, medicine, or public service. The award is named for the president of the Michigan Osteopathic Medicine Advisory Board, who is a long-time supporter of the osteopathic profession.

Other convocation speakers have included Russell G. Mawby, Ph.D., president of the W. K. Kellogg Foundation; Theodore Cooper, M.D., former assistant secretary for health in the Department of Health, Education and Welfare; Casper W. Weinberger, former secretary of HEW; Leonard Woodcock, former president of the United Auto Workers; and Congressman Paul G. Rogers. The 1978 entering class of 42 women and 68 men is one of the largest to enroll in the College of Osteopathic Medicine.
MSU TRUSTEES APPROVE ESTABLISHMENT OF CENTER FOR ENVIRONMENTAL TOXICOLOGY

Responding to the threat of future chemical contamination such as the PBB and Love Canal episodes, Michigan State University is establishing a Center for Environmental Toxicology effective Oct. 1.

The action taken Friday (Sept. 22) by the MSU Board of Trustees will lead to the appointment of a director.

In addition to direct efforts, the director will coordinate and facilitate efforts of the many university departments already dealing with environmental chemicals and their effects.

Research by the center will be financed initially by a state appropriation of $170,000 earmarked by the legislature "to study the effects of all types of toxic substances and noxious materials which may be found in the Michigan environment." It is anticipated that federal grants will also be made to the center.

The center, which will report to John E. Cantlon, Ph.D., MSU vice president for research and graduate studies, will engage in teaching and public service as well as research. These activities will be funded and conducted initially through established programs such as the Cooperative Extension Service.

"The search for a director will begin immediately," Dr. Cantlon said. "We want to have the center fully operative as soon as possible."

The center was recommended by the deans of the colleges of osteopathic medicine, human medicine, veterinary medicine, agriculture and natural resources and the director of the Agricultural Experiment Station.

The recommendation stems from broad campus activity relating to environmental toxicology, Dr. Cantlon noted. This activity, he said, led to appointment last year of the Toxicology Review Committee to study existing resources at MSU and ways of focusing them on problems of environmental toxicology.

The committee listed 128 ongoing research projects in 28 campus units. They are funded at the rate of $2.2 million annually from federal agencies and involve 89 graduate students and 17 postdoctoral fellows.

The committee also listed 92 courses — many of them very specialized — which deal with some aspects of environmental toxicology.

The committee is composed of faculty from 18 departments and is chaired by Robert Barker, Ph.D., chairman of the Department of Biochemistry.

Among the campus units most actively involved in research on environmental toxicology are the Pesticide Research Center and the departments of pharmacology and toxicology, biochemistry, pathology, food science and human nutrition, entomology, animal husbandry, botany and plant pathology, crop and soil sciences, dairy science, poultry science and the clinical departments of the three medical colleges.
INTERNATIONAL SYMPOSIUM ON
INFANT AND CHILD FEEDING
AT MSU ON OCT. 16-19

An international "Infant and Early Child Feeding" symposium, to assist in expediting worldwide applications of newest nutrition knowledge will be held Oct. 16 through 19 at Michigan State University.

Noted authorities in pediatrics, nutrition and public health will review recent developments in nutrient requirements for growth and development, and will examine up-to-date information on the impact of nutrition on behavioral patterns and socioeconomic changes.

More than 40 scientists and physicians from universities, research institutions and companies in the United States, England, Sweden, Chile, Norway and Mexico will participate.

The comprehensive conference, supported by Gerber Products Co. in commemoration of its 50th anniversary, is sponsored by Michigan State University's College of Osteopathic Medicine, College of Human Medicine, College of Human Ecology, and the Nutrition Foundation, Inc.

Program themes include:
-- infant and child feeding practices in today's world,
-- current issues in feeding the infant and young child
-- development and nutritional quality of infant foods,
-- future trends, research and development, and
-- are our infants and children well nourished?

The U. S. government will be represented at the symposium by Martin Forman Ph.D., of the Department of State who will discuss "International Nutrition Policy and Programs"; Charles U. Lowe, M.D., of the Department of Health, Education and Welfare who will cover "Government Policy -- Implications for Infant Feeding," and Marvin Cornblath, M.D., National Institute of Child Health and Human Development, on "Research Trends in Child and Infant Nutrition."

Symposium papers will be published in the Nutrition Foundation's monograph series by Academic Press. Symposium cochairmen are Gilbert A. Leveille, Ph.D., MSU Department of Food Science and Human Nutrition, and William B. Weil, Jr., M.D., MSU Department of Human Development. For further information, write Dr. Leveille, c/o The Kellogg Center, Room 23, Michigan State University, East Lansing, MI 48824.

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MANAGEMENT WORKSHOP CONDUCTED
FOR COM BY COLLEGE OF BUSINESS DEAN

A two-day Workshop for Administrators was conducted in September for members of Dean Magen's Advisory Group and COM department chairpersons by the dean of the MSU College of Business, Richard Lewis, Ph.D.

He discussed various areas of management and management techniques, including such topics as motivation, decision making, use of evaluation in management, "people knowledge" and the importance of communication.

The 8 a.m. to 4 p.m. sessions were held at the Kellogg Center for Continuing Education. Arrangements for the workshop were under the direction of Celia B. Guro, Ph.D., assistant to the dean at COM.
U OF M SCIENTIST NAMED CHAIRMAN OF MSU DEPARTMENT OF PHYSIOLOGY

Harvey Vise Sparks, Jr., a member of the University of Michigan physiology faculty since 1966, has been named chairman of the Michigan State University Department of Physiology.

His appointment, effective Dec. 1, was approved Friday (Sept. 22) by the MSU Board of Trustees at its regular monthly meeting.

The physiology department serves the three medical colleges — osteopathic medicine, human medicine and veterinary medicine — and the College of Natural Science.

Sparks, 40, received his M. D. degree from the U of M Medical School in 1963. He then spent two years as a postdoctoral fellow at Harvard Medical School and one year as a fellow at the University of Goteborg.

Following completion of his fellowships, Sparks joined the U of M faculty as an instructor and subsequently received several academic promotions. He was named a full professor in 1974. The physiologist also served as assistant to the dean of the U of M Medical School, 1970-71, and assistant dean, 1971-72.

Sparks, whose research interests are in cardiovascular physiology, is the author of numerous articles in professional journals and a book, Casebook of Physiology, published in 1973. In addition, he serves on the editorial boards of the American Journal of Physiology and Journal of Applied Physiology.

He is a member of the American Physiological Society and the American Association for the Advancement of Science. At U of M, Sparks served on a number of administrative committees, and he also served on the research committee for Henry Ford Hospital, 1973-75. A native of Flint, Sparks and his wife have four children.

# # #

JOYCE JOHNSON WINS $2,280 AWARD THROUGH NATIONAL FUND FOR MEDICAL EDUCATION

Joyce Marie Johnson, second year student at MSU's College of Osteopathic Medicine, has received one of the first 28 Medical Perspectives Fellowships awarded through the National Fund for Medical Education (NFME).

Ms. Johnson will use the $2,280 award to study the organization of health care in Thailand and to observe the practices of physicians with orientations towards Eastern and Western medicine in that nation. She is presently in Thailand and plans to return to medical school at the end of the year. She is the only osteopathic medical student winning such a fellowship. Other winners are from Harvard, Yale, University of Connecticut, University of Missouri, Northwestern University, Albany Medical College, Cornell, Drake, Ohio State, Case Western Reserve, Vanderbilt, Baylor and the University of Virginia.

The Medical Perspectives Fellowship Program is a creative learning opportunity for medical students. There are no limits as to what the student's project might be, except that it must lead to an improved understanding of clinical medicine and/or the delivery of health care.

To be eligible for the program, students must be enrolled in a U. S. osteopathic or allopathic school and intend to obtain a D.O. or M.D. degree. The SmithKline Foundation funds the fellowship program, while the NFME administers it.
COLLEGE CONDUCTS ORIENTATION FOR NEW FACULTY MEMBERS

New faculty in the College of Osteopathic Medicine and in departments coadministered by COM were guests at a faculty orientation presentation held Sept. 30 at the University Club.

The program was launched with a welcome from Myron S. Magen, D.O., dean of the College, who described the COM administrative structure and its relationship to the university. A pictorial overview of COM was shown in a slide presentation produced by Bruce Miles, Ph.D.

Allen W. Jacobs, Ph.D., assistant dean for educational resources described the resources of the Office of Academic Affairs, the COM curriculum, and faculty development opportunities. Arthur Elstein, Ph.D. director of the Office of Medical Education Research and Development, along with Norman Bell, Ed.D., director of the Faculty Development Program, elaborated on the opportunities available through that program.

After a question and answer period, Phillip Gerhardt, Ph.D., associate dean for research, described the functions of the Office of Research. He was followed by Frank Bernier, Ph.D., director of admissions, who explained operations in the Office of Student Affairs/Support Services. Dr. Bernier made the presentation for Robert Fedore, Ph.D., assistant dean for student affairs. George Gross, D.O., assistant to the director of the Clinical Center, for osteopathic affairs, provided an overview of the administration of the Clinical Center. Orientation activities were coordinated by Celia B. Guro, Ph.D., assistant to the dean.

New faculty invited to the College of Osteopathic Medicine orientation program included Stephen T. Kitali, Ph.D., who comes from Wayne State University's School of Medicine to chair the Department of Anatomy; Harvey V. Sparks, M.D., who is coming from the University of Michigan to head the Department of Physiology and Edward R. Powsner, Ph.D., who came from Wayne State University to direct MSU's clinical laboratories for the Department of Pathology.

Two new associate professors of family medicine are Gary Campbell, D.O., who was in private practice in Oakland, Maine, and John Bell, D.O., who was an emergency room physician at McKenzie Memorial Hospital in Sandusky, Mich.

In the Department of Osteopathic Medicine Howard A. Dean, D.O. has been named assistant professor and comes to MSU from the Lehey Clinic Foundation, Boston, where he was in the department of gastroenterology; and Edward T. Helble, D.O., who recently completed a stint as chief resident at Flint Osteopathic Hospital, has been appointed instructor/resident. He is a Kirksville graduate.

Two recent additions to the Department of Radiology are Thomas Harle, M.D., professor, who comes from The University of Texas Medical School at Houston where he was professor and chairman of radiology; and Helmut A. Mueller, M.D., associate professor, who comes to MSU from Irving, Texas where he was in private practice.

New to the Department of Anatomy are: Melburn R. Park, Ph.D., and Dennis A. Steindler, Ph.D., from the Max Planck Foundation for Biophysical Chemistry in Frankfort, West Germany, and Georgia Bishop, Ph.D., from Wayne State University School of Medicine. All three are assistant professors.

.....Continued
ORIENTATION FOR NEW FACULTY MEMBERS (Continued)

In the Department of Psychiatry, Ronald J. Dirkse, M.D., comes from Fort Benning, Georgia where he was chief of community mental health at Martin Army Hospital. He is an assistant professor at MSU.

Two additions in the Department of Physiology are John Chimoskey, Ph.D., professor, who comes from Baylor University, and Steven R. Heidemann, assistant professor, who was on the faculty at the University of Colorado.

In biochemistry, Rodger Kobes, M.D., Ph.D., has been named assistant professor and comes to East Lansing after completing a psychiatric residency in Grand Rapids. He is graduate of the MSU College of Human Medicine.

A new assistant professor in the Department of Zoology, Robert Robbins, Ph.D., has been associated with the department as a graduate student and staff member.

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KELLOGG FOUNDATION GRANT TO AOA TO STUDY GENERAL PRACTICE CHOICES

A $250,000 grant from the W. K. Kellogg Foundation to study reasons why physicians chose to become general practitioners rather than medical specialists has been awarded to the American Osteopathic Association (AOA) Special Task Force on post-doctoral training.

Receipt of the grant from the Battle Creek, Mich. foundation to support the two-year study of postdoctoral osteopathic education was announced by Edward P. Crowell, D.O., AOA executive director.

"There is speculation but little hard data to explain the personal, educational and environmental factors which affect a young physician's choice of type of practice," Dr. Crowell said. "The nation is being told there are too many medical specialists and not enough general practitioners and family physicians. A better understanding of when and why physicians make fundamental choices of practice types may help correct the imbalance."

Other areas under investigation include the accreditation and approval process of colleges of osteopathic medicine, osteopathic hospitals, and osteopathic post-doctoral specialty training; the possibility enlarged role of small community hospitals in training physicians, national trends and goals in expanding programs of continuing medical education for physicians, and new financial mechanisms for postdoctoral osteopathic medical education.

"The ultimate goal of all these studies is to determine how and to what degree medical education, particularly postdoctoral training, affects the quality and quantity of health care received by the American public," Dr. Crowell said.

"The W. K. Kellogg Foundation has demonstrated its longstanding concern for medical and dental education. This newest grant attests to its special interest in the osteopathic profession's traditional emphasis in preparing primary care physicians," he added.

Founded by the breakfast cereal pioneer W. K. Kellogg in 1930, the Kellogg Foundation is one of the five largest private philanthropic organizations in the United States. It supports programs in the areas of health, education, and agriculture on four continents including the United States and Canada, Europe, Australia, and Latin America.
INTERNATIONAL REHABILITATION NETWORK RECEIVES MORE FUNDS

Michigan State University's International Rehabilitation-Special Education Network (IRSEN) has received a third-year grant of $458,552 from the federal government to continue its work.

The project for seven months was under the interim direction of Fred C. Tinning, Ph.D., assistant dean for planning at the College of Osteopathic Medicine, and since September is being directed by Don Galvin, Ph.D., former director of rehabilitation and also former assistant superintendent of public instruction for the State of Michigan.

The funds are part of $7,825,069 accepted in gifts, grants and scholarship funds by the MSU Board of Trustees at its regular monthly meeting on September 22.

The IRSEN network, which functions through the College of Osteopathic Medicine and the College of Education, is gathering information which will lead to better lives for handicappeds in the United States and abroad.

Eventually, centers will be established in England, Costa Rica, Jordan, Germany and seven other areas. Preliminary investigations are being conducted on technology, vocational assessment, barrier removal and existing legislation relative to rehabilitation services for children and adults.

Preliminary investigations are being conducted on technology, vocational assessment, barrier removal and existing legislation relative to rehabilitation services for children and adults.

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MSU ANATOMY DEPARTMENT HOLDS INTERMENT SERVICES

Approximately 100 people attended the special interment services held Thursday, September 14, for those individuals who contributed their bodies to the MSU Department of Anatomy's Willed Body Program.

The interdenominational services were held in the MSU Life Sciences Garden at East Memory Lane Gardens, 2400 Bennett Road, Okemos. The Rev. John E. Cermak of Okemos Community Church and Father Andrew Czajkowski of St. Thomas Aquinas Catholic Church in East Lansing officiated at the ceremony. The Willed Body Program is conducted by Milvet J. Strickler, director of anatomical resources at MSU.

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DEAN MAGEN, D.O., ADDRESSES TEXAS COLLEGE

Myron Magen, D.O., dean of the College of Osteopathic Medicine, was the keynote speaker at the Texas College of Osteopathic Medicine's convocation on October 4. The title of his presentation was "Osteopathic Medicine, a Fragile Ecosystem in Danger of Destruction".

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AOA ACCREDITATION VISIT

A three-day site visit by the Accreditation Team of the American Osteopathic Association will take place at the MSU College of Osteopathic Medicine December 5, 6, and 7, 1978.
COM CONTINUING MEDICAL EDUCATION
LAUNCHES FACULTY GRAND ROUNDS ON OCT. 2

Faculty Grand Rounds, a new series of continuing medical education programs of the College of Osteopathic Medicine, opened at noon, Monday, October 2 with a radiology presentation "Diagnostic Tests in Skull Trauma."

Speakers were E. James Potchen, M.D., professor and chairman of radiology at MSU George Ristow, D.O., associate professor osteopathic medicine, and Kay Vydaren, M.D., second-year radiology resident based in Grand Rapids. CME credit has been applied for.

On Tuesday, October 17, the Faculty Grand Rounds series will present an authority on humanism in medicine, Eric Cassell, M.D., who will discuss "Concept of Person in Illness." Dr. Cassell is on the Cornell University medical faculty, member of the board of directors of the Hastings Center in New York, and author of The Healer's Art. The noontime program will be held in E-105 East Fee. All of the Faculty Grand Rounds presentations are cosponsored by the MSU College of Human Medicine.

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HASTINGS CENTER'S ERIC CASSELL OPENS MEDICAL HUMANITIES SEMINAR SERIES ON OCT. 17

An authority on humanism in the practice of medicine, Eric Cassell, M.D., will open the MSU '78-'79 Medical Humanities Seminars on Tuesday, Oct. 17 when he visits the University for Faculty Grand Rounds in the College of Osteopathic Medicine, and a series of informal meetings with medical faculty and students, and a public lecture.

Dr. Cassell, faculty member at the Cornell University Medical College and board member at the Hastings Center in New York, will give his grand rounds presentation "Concept of Person in Illness" at noon, E-105, East Fee Hall. His public lecture will be delivered on the same topic at 7:30 p.m. that evening in C-106 Holmes Hall.

His stay on campus is sponsored by MSU's Medical Humanities Program in cooperation with the College of Osteopathic Medicine and College of Human Medicine. CME credit is being applied for.

The next seminar in the series is scheduled for November 9 when Leonard Isaacs, Ph.D., of MSU's Lyman Briggs College, discusses "Stitching Monsters, Splitting Atoms, and Splicing Genes".

On Jan. 11, "Medicine and Health in the People's Republic of China" will be discussed by Andrew D. Hunt, M.D., head of the MSU Medical Humanities Program; D. Bonta Hiscoe, M.D., Statewide Health Coordinating Council; and Helen B. Hiscoe, Ph.D., MSU Natural Science Department.

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PRE-MED OPEN HOUSE ON OCT. 19

An open house for premedical students will be held Thursday, October 19 from 7 to 9 a.m. in E-106 Fee Hall. The program is coordinated by Frank Bernier, Ph.D., director of admissions and by first year students, led by Laura Stutz.
ENDOWMENT FOR HUMANITIES
AWARDS $45,000 GRANT TO MSU

A $45,000 grant from the National Endowment for the Humanities has been awarded Michigan State University for six new interdisciplinary courses on medicine, aging and human values.

The courses, offered on a pilot basis, will be under the direction of the newly established Medical Humanities Program coordinated by Andrew D. Hunt, M.D., and Martin Benjamin, Ph.D. Acceptance of the 18-month grant is anticipated by the MSU Board of Trustees.

Three of the courses will formalize teaching in ethical issues in the university's Colleges of Osteopathic Medicine, Human Medicine, and Veterinary Medicine and the School of Nursing. Teaching in this area has been ongoing for several years, but has been extra-curricular and offered on a non-class basis.

The other courses will allow faculty members who have been meeting as a seminar for nearly two years to introduce course work on aging and human values at both the graduate—professional and the undergraduate levels.

Grant funds will be used largely to secure released time for humanities faculty to formalize, extend and to broaden Michigan State University's offerings in medical humanities.

Benefits from the new courses are anticipated in at least three areas, according to Dr. Hunt. Students will be better prepared, as citizens and as professionals, to address the new human problems generated by advances in medical knowledge and technology in a changing society. Further research and teaching in traditional humanistic disciplines will be stimulated through early and immediate contact with situations requiring reexamination of past assumptions and practices. Such courses — crossing disciplinary lines — will provide a model for constructing other 'bridges' between the humanities and the sciences in general.

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HEALTH EDUCATION PROGRAM
AWARDED FOUNDATION GRANT

A $60,000 health education grant has been awarded to the Cooperative Health Education Program by The Robert Wood Johnson Foundation. The program is jointly sponsored by the Department of Community Health Science and the Cooperative Extension Service.

The two-year grant will be used to design a number of health education models. These models are to then be replicated throughout the nation through the Cooperative Extension Service's 4-H Program.

Donna Manezak, M.P.H., an instructor for the Department of Community Health Science and a health education specialist for the Cooperative Extension Service, will coordinate the project.

She reports that the program is organized to encourage family involvement in the health education process. Particular emphasis will be placed on self-care, human growth and development, patterns of living and community health. To help establish the health care models, various MSU colleges, county extension offices, community agencies and organizations will be asked to provide expertise.
PHARMACOLOGY AND TOXICOLOGY SEMINAR CALENDAR

E. Leon Way of the University of California (San Francisco) department of pharmacology will be the speaker for the second of the fall seminars sponsored by the Department of Pharmacology and Toxicology. Dr. Way will talk on the interactions of morphine, endorphins and calcium on Thursday, October 5, at 4 p.m. All of the term's remaining eight seminars will be at 4 p.m., Room B449, Life Sciences Bldg.

Here are the October and early November listings.

October 10 -- "Pituitary Cells in Culture."
Edward M. Convey, Depts. of Dairy Science and Physiology,
Michigan State University.

October 17 -- "Axonal Transport Mechanisms."
Dennis Steindler, Dept. of Anatomy, MSU.

October 24 -- "Glomerular Ultrafiltration Dynamics - Relationship to Renal Transplantation."
Robert Rosenbaum, Dept. of Medicine, MSU,

October 31 -- "The Role of Brain Serotonin in B dutate Tolerance Development."
William Lyness, Dept. of Pharmacology, MSU.

November 7 -- "Beta-Adrenergic Receptor Mechanisms in Blood Vessels."
Marlene Cohen, Eli Lilly & Co., Indianapolis, Ind.

BIOCHEMISTRY ANNOUNCES SEMINAR SCHEDULE

The Department of Biochemistry is offering a full schedule of seminars for the Fall 1978 quarter. The first seminar, on October 9, will feature Robert Gorman of the Upjohn Company’s Experimental Biology Section. Other speakers are from the Yale University Medical School, the University of Colorado, the University of Minnesota and other institutions. The seminars are held from 11:30 a.m. to 12:30 p.m. in room 101, Biochemistry building. Here are the October and early November listings of these meetings:

-- October 9 -- "Stimulation of Human Foreskin Fibroblast cAMP Levels by Prostacyclin (PGI₂). Robert Gorman is the speaker.

-- October 16 -- "Steroid Hormone Control of Membrane Transport Processes."
Howard Rasmussen, Department of Medicine, Yale University Medical School, New Haven, Connecticut.

-- October 30 -- "The Structure and Function of the Avian Sarcoma Virus Transforming Gene Product." (Jointly sponsored with the Cancer Research Center.) Raymond L. Erickson, Dept. of Pathology, University of Colorado, Denver, Colorado.

-- November 6 -- "Leetin-Sugar Interactions in Biological Communications." Finn Wold, Department of Biochemistry, University of Minnesota, St. Paul, Minnesota.

Anyone wishing further information or individual meetings with the speakers should contact A. Revzin, 419A Biochemistry (353-8638).
"ETHICAL ISSUES IN MEDICINE" NOONTIME PROGRAMS TO ALTERNATE BETWEEN FEE HALL AND LIFE SCIENCE

A series of nine Thursday noon presentations in "Ethical Issues in Medicine" are being offered this term by the Medical Humanities Program for medical and nursing students and faculty in the College of Osteopathic Medicine, College of Human Medicine, and School of Nursing. The hour-long meetings begin at 12:30 p.m.

Meeting locations will alternate between the Life Science Auditorium and E105 Fee Hall. Participants will include Andrew D. Hunt, M.D., medical humanities coordinator; Martin Benjamin, associate coordinator and associate professor of philosophy and Bruce Miller, associate professor of philosophy.

Opening the series at Life Sciences on Thursday, September 28 was "The Case of the Broken Leg: Value Conflicts in Medicine". Other program topics will include:

- **October 5**
  - Codes of Ethics: History, Uses and Limitations, E105 Fee Hall

- **October 12**

- **October 19**
  - Killing vs. Letting Die: A Distinction with a Difference, E105 Fee Hall.

- **October 26**
  - Patient's Refusal of Life-Saving Treatment, Life Science Auditorium

- **November 2**
  - Informed Consent: It's Nature and Justification, E105 Fee Hall

- **November 9**
  - Ethical Problems in Controlled Clinical Trials, Life Science Auditorium

- **November 16**
  - Ethical Theory in the Medical Context: Social Welfare vs. Individual Rights, E105 Fee Hall

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MAOGP TO OFFER $300 MEMORIAL AWARD

The "Frank T. Cyman Award in General Practice" is a new $300 award to be offered by the Michigan State and MSU Student Chapters of the Michigan Association of Osteopathic Physicians and Surgeons (MAOGP).

The memorial award will be presented annually to a COM graduating student who is judged to have put forth effort "above and beyond" that expected to help their fellow students. The recipient will be chosen from a list of COM graduates nominated by their fellow students, with a special MAOGP committee making the final decision. Dr. Robert Cyman, the brother of the late Dr. Cyman, will make the award presentation.

Dr. Cyman was an active member of the state MAOGP chapter. The organization's state and student chapters are each donating $150 in his memory.

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PATHOLOGY FACULTY FROM UNIVERSITY OF CHICAGO
AND UNIVERSITY OF MIAMI TO ADDRESS STUDENTS

The director of SCOR Atherosclerosis and professor of pathology (and former chairman) at the University of Chicago, Robert Wissler, M.D., will lecture COM and CHM students on Monday, October 15 on the topic "Atherosclerosis". His lectures, at 9 and 10 a.m. in E-106 Fee Hall, are part of the department's 504 course in cardiovascular pathology.

Later in October, on the 30th and 31st, Azorides Morales, M.D., professor and chairman of pathology at the University of Miami, will make four presentations in the Lansing area.

On Monday (30th) at MSU he will address medical students taking Pathology 504 on the topic "Cardiomyopathies" (9 a.m., E106 Fee Hall). At 10 a.m. in E108, he will discuss "Tumors of the Cardiovascular System" and "Lesions of the Cardiac Conduction System".

Monday afternoon, at 4 p.m. at an Ingham Medical Center cardiology conference, he will discuss "Lesions of the Conduction System". The program will be held in Suite 30 of Ingham's Professional Building, and is sponsored by MSU's Department of Pathology and Ingham Continuing Medical Education Program.

On Tuesday (October 31) at 4 p.m. Dr. Morales will discuss "Mitravalve Disease in the Elderly" at a pathology graduate seminar in E-109 Fee Hall.

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'BROWN BAG' NOONTIME SEMINARS PLANNED BY
DEPARTMENT OF MICROBIOLOGY AND PUBLIC HEALTH

The Department of Microbiology and Public Health is once again offering a series of brown bag seminars this fall. All of the seminars will start at 12:30 p.m. in Room 146 of Giltner Hall. A discussion and brown bag lunch session will be held at 1:30 p.m. in 294 Giltner Hall after each seminar. Anyone who would like additional information should contact the Department of Microbiology and Public Health at 355-6498. Here are the October and early November listings.

October 10 -- "Expression of a Mitochondrial Gene in Human-Mouse Hybrids."
Dr. Jerry Eisenstadt, Dept. of Human Genetics, Yale University.

October 17 -- "Biochemical Studies — Additional Tool for Better Understandings of Host-parasite Relationships."
Dr. M. Saidur Rahman, Dept. of Zoology, University of Toronto.

October 24 -- "Biological Luminescence."
Dr. J. Woodland Hastings, Biological Laboraties, Harvard University.

October 31 -- "Leptin Receptors and Cytoskeletal Structures in Eukaryotic Cells."
Dr. John L. Wang, Department of Biochemistry, MSU.

November 7 -- "Feedback Induction of Lymphoid Suppressor Cells."
Dr. Richard Gershon, Dept. of Pathology, Yale University.

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OCT. 25-26 PRESENTATIONS SCHEDULED FOR UNIVERSITY OF COLORADO PATHOLOGIST

A faculty member from the University of Colorado School of Medicine, Robert Shikes, M.D., will visit MSU and Ingham Medical Center for three presentations on October 25-26. Dr. Shikes, associate professor of pathology, is author of a chapter "Genetically Determined Sexual Maldevelopment Syndromes" in Pathology in Gynecology and Obstetrics, Gompel and Silverberg, Lippencott 1977.

At 4 p.m. on the 25th, he will address MSU Department of Pathology faculty on "Teaching Programs in Pathology at the University of Colorado" in Room 616, East Fee Hall. Earlier in the day (noon) he will discuss "Genetically Determined Sexual Maldevelopment Syndromes" in Suite 30, Professional Building, Ingham Medical Center.

On the 26th, also at Ingham, Dr. Shikes will conduct Pediatric Grand Rounds on "Biliary Atresia and Related Neonatal Hepatobiliary Diseases" in the Professional Building cafeteria.

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NEUROPATHOLOGY COLLOQUIUM SPONSORED OCT. 17 BY ANATOMY AND PATHOLOGY DEPARTMENTS

Two presentations will be made Tuesday, October 17 by Dr. Constantino Sotelo of Laboratoire de Neumorphologie, Hospital de Port Royal in Paris, whose visit to Michigan State University is sponsored by the Departments of Anatomy and Pathology.

He will discuss "The Role of the Climbing Fiber in Purkinje Cell Synapse Formation" at noon in 131 East Fee Hall. The program is billed as a brown bag lunch, and coffee will be served.

At a 4 p.m. seminar in 106 East Fee Hall, Dr. Sotelo will speak on "Formation and Stabilization of Synapses: Use of Cerebellar Mutants to Study These Problems." A social hour after the program will be held from 5:30 to 7 p.m. at 599 Pebblebrook Lane, East Lansing.

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JEAN BUBECK SCHOLARSHIP

Judy Moore, third year student has been named recipient of the Jean Bubeck Memorial Scholarship for 1978 for the best paper submitted on an ob/gyn subject. Her paper 'discouraged the use of incidental appendectomies in obstetrics/gynecology on the basis of new immunological research pointing to the central role of the appendix in maintaining T-cell populations and defenses against cancer.'

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ST. JOHN'S STUDENT CENTER

A celebration in honor of St. Luke, Patron of Physicians, will be held by St. John's Student Center, Wednesday, October 18 at St. John's East Chapel, on Hagadorn across from Fee Hall. All students, faculty and staff are invited to the 12:05 program.

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DR. HOOVER'S TREK TO NEPAL

An illustrated slide and movie lecture on a "Trek to Nepal" will be presented Wednesday evening, October 11 by Lon A. Hoover, D.O., associate professor of family medicine, 7:30 - 9:30 p.m. in E-105 Fee Hall. Dr. Hoover's program is on a trekking trip he took to the base camp of Mt. Everest.

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John Casbergue, Ph.D., associate professor in the Office of Medical Education Research and Development, is author of a chapter "Role of Faculty Development in Clinical Education" in Evaluating Clinical Competence in the Health Professions, Margaret K. Morgan and David M. Trby, editors. Published by the C. V. Mosby Co., Saint Louis, 1978. Dr. Casbergue recently participated as a member in the Jacksonville, Florida sessions of the National Research Council Committee (Commission on Sociotechnical Systems).

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Three members of MSU's Department of Anatomy are teaching a new series of Seminars on Anatomy and Physiology for Lawyers for the Michigan Trial Lawyers Association. The new series, conducted at Long's Convention Center in Lansing is designed to accommodate the needs of plaintiffs and defense counsel practicing and for personal injury litigation.

The faculty members are: Allen W. Jacobs, Ph.D., assistant dean for educational resources in the College of Osteopathic Medicine and associate professor of anatomy; Lawrence M. Ross, M.D., Ph.D., associate professor of anatomy, and Joseph Vorro, Ph.D., assistant professor of anatomy.

Anne Cunningham, Ph.D., assistant professor of community health science, has been elected a member of the executive board of the Michigan Home Economics Association, she has undertaken a statewide survey of home economists in human services occupations. The project is funded by Title XX.

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Philip V. Marinelli, D.O., Class of '74, has been promoted to major in the U. S. Army Medical Corps and may be reached by writing: Dr. Philip V. Marinelli, 279-46-4313 Maj. M. C., USAH, Dept. of Pediatrics, Vincenza APO NY 09221. He is coauthor of a recent publication entitled "Neonatal Thyrotoxicosis: Alterations in Serum Concentrations of Lats-Protector, T4, T3, Reverse T3, and 3, 3' T2" which appeared in the Journal of Pediatrics, Vol. 93, No. 1, pps 118-120. July, 1978.

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Charles Tweedle, Ph.d., associate professor of anatomy and zoology, is the author of "Ultrastructure of Merkel Cell Development in Aneurogenic and Control Amphibian Larvae (Ambystoma)" published in Neuroscience 3:381-486.

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Steven J. Young, M.D., coordinator for psychiatry of the Southwestern Michigan Area Health Education Center in Kalamazoo, is a coauthor of "Phencyclidine Induced Psychosis" published in the August 1978 issue of the American Journal of Psychiatry.

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Kathryn Kolasa, Ph.D., assistant professor of community health sciences, will be working in an AID-funded project "Economics of Nutrient Intake" in Sierra Leone. Victor Smith, Ph.D., professor of economics is director of the project. Kolasa will be assessing what is known about the nutritional status in Sierra Leone.

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Howard H. Galarneau Jr., M.S., second-year student, a captain in the U. S. Air Force Reserves, has been appointed to the Environmental Safety Committee of the Aerospace Medical Association for 1978-79. It is the responsibility of this committee to initiate and implement activities for environmental quality, pollution hazards and environmental hazard technology forecasts.
Rachel Schemmel, Ph.D., professor of food science and human nutrition, and of community health science, presented a paper "Glucose Tolerance in Rats Fed High Fat or High Carbohydrate Diets" at the Fifth International Meeting of Endocrinology, Obesity and Diabetes held in Marseilles, France on June 21.

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Thomas W. Jenkins, Ph.D., professor of anatomy and of pathology, is author of the second edition of Functional Mammalian Neuroanatomy (480 pp) published by Lea and Febiger. Next year he will be taking a six-month sabbatical leave in Tasmania, Australia and New Zealand.

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David S. Rosenberg, D.O., Class of '73, announces the opening of his new office for general practice as a family physician at the West Bloomfield Medical Center, 7419 Middlebelt, Suite 4, West Bloomfield, Michigan 48033.

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Judy Moore, third year student has been named recipient of the Jean Bubeck Memorial Scholarship for 1978 for the best paper submitted on an ob/gyn subject. Her paper 'discouraged the use of incidental appendectomies in obstetrics/gynecology on the basis of new immunological research pointing to the central role of the appendix in maintaining T-cell populations and defenses against cancer.'

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David Lousma, first year student, recently performed in the chorus of "No, No, Nanette", a Lansing production staged by Lansing Community College. His "brilliance" can be documented by Dr. William Johnston and classmates Matt Weitz, Ron Keinty, Carole Rizza, and Robyn Phillips who attended one of the operetta performances.

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Philipp Gerhardt, Ph.D., associate dean for research and professor of microbiology, has returned from a trip to Prague where he presented a lecture and participated in the Seventh International Symposium on Continuous Cultivation of Microorganisms, and from London, Bedford and Cambridge in England where he conferred with investigators on spore research.

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P. T. Magee, Ph.D., chairman and professor of microbiology and public health, attended the Ninth International Conference on Yeast Genetics and Molecular Biology held in Rochester, N. Y.

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Walter Mill, D.O., chairman of the Department of Osteopathic Medicine, and Ralph Otten, D.O., a professor in that department, attended a medical review at Sandusky Memorial Hospital.

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FACULTY DEVELOPMENT WORKSHOP SET FOR OCTOBER 17

Workshops have been slated for participants in the Faculty Development Program, according to announcement from Perrin E. Parkhurst, Ph.D., associate director. On October 17 a workshop of "Introduction to CAI" will focus on what CAI is, how it can be utilized, and recent changes in both computing and instruction which, in part, may cause at least some of the predictions of CAI to come true. This session will meet from 11:30 a.m. to 1:15 p.m., Room E-2, East

An earlier program on "Preparing Course Overview Materials" (Oct. 3) examined the necessity for preparing detailed course introductory materials, went through a step-by-step analysis of six areas covered in a sample 'overview'. A skeleton overview for use in teaching of workshop participants was distributed.
MSU-COM STUDENT CLASSES ELECT OFFICERS FOR 1978-79

President of the Student Council: Jim Larkin

Class of 1979

President: Frank Winters
Treasurer: Bruce Badagliacqua
Admissions Committee: Paul Ponstein
Curriculum Committee: Matt Weitz
College Advisory Council: Sue Rice
Council of Affiliated Hospitals: Robyn Phillips

Student Hospital Center Representatives:

Botsford/Zieger: Carole Rizzo; Pattie Pierce*, Anne Pawlak*
Detroit Osteopathic: Sylvia England; Brent Gillum*
Bi-County: James Lang; Pat Rehfield*
Flint: Matt Weiss; Rick Bratton*
Lansing: Don Hillman; Dave Tattan*
Grand Rapids: Ralph Walsh; Sylvia Mustonen*
Riverside: Steve Ashton; Janice Rock*, Wanda Kalencki*
Pontiac: Lyle Mindlin; Dennis Deacon*

(*Alternate)

Class of 1980

President: Don Ranson
Vice-President: Bing Liem
Secretary: Nancy Rancour
Treasurer: Mary Nissley
Student Council Representative: Arlene Nemanich
Anatomy: Cindy Lund
Biomechanics: Dave Tuller
Community Health Sciences: Medley Larkin
Family Medicine: Dan Schultz
Osteopathic Medicine: Arlie Getz
Pathology: Jesse Monestersky
Council of Graduate Students: John Picone
Curriculum Committee: Jeff Jensen
Office of Academic Affairs: Bob Orr
MSU Academic Council: Mark Halonen
Council of Affiliated Hospitals: Linda Lafferty
Note Service Director: Dan Schultz
MSU-COM STUDENT CLASS OFFICERS (Continued)

Class of 1981

President: Eric Deal
Vice-President: Gayl Styzt
Secretary: Ann Kuenker
Treasurer: Scott Carlson
Student Council Representative: Debra Johnson
Office of Academic Affairs Representative: Daniel Bercu
Department committees:
   Anatomy: Paul Liu
   Biomechanics: Frank Norton
   Community Health Science: Thomas Broderick
   Family Medicine: Judith Annen
   Osteopathic Medicine: Glenn Dregansky, Cynthia Manninen
   Pathology: Clarita Ketels
College and University committees:
   Admissions Committee: Shelly Friedman
   Curriculum Committee: George Gourley
   College Advisory Council: Donald Cox
   Council of Graduate Students: Dianna Mak

DEAN'S CONFERENCE HOUR

The November 1 edition of the Dean's Conference Hour (10 a.m., E-106 Fee Hall) will feature a visit by Raymond Gadowski, D.O., chairman of the AOA Student Affairs Committee, and a director of medical education and medical director at DOH/Bi-County Hospitals.

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UNIT III NEWS

Elective forms for Winter Term are due in the Unit III Office by October 16, 1978. It is important that this deadline be met, according to informed sources.

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SPECIAL UAAO PRESENTATION OCTOBER 18

"Balancing Gravitational Stress, a Hands-on Experience," will be the topic of a special presentation given by John E. Upledger, D.O., FAAO, MSU Department of Biomechanics, on Wednesday, October 18. The presentation will begin at 7:30 p.m. in E106 Fee Hall. All students and faculty are invited to attend.
PONTIAC CENTER SCHEDULES SEVEN SEMINARS
FOR OCTOBER, NOVEMBER AND DECEMBER CALENDAR

The Michigan Center for Continuing Education in Osteopathic Medicine is continuing to provide seminars designed to update D.O.'s on the latest medical research and procedures. Seminar topics in the near future will include the oncology series on head and neck carcinoma, infectious diseases, and diagnosis and management of rheumatic diseases.

Here is a complete list of the seminars for the rest of 1978. The seminars run from 8:00 a.m. to 5:00 p.m. and are held at Pontiac Center unless otherwise indicated.

--- October 15 --- Pediatric Update — 6 1/2 credits CME
James M Carl, D.O., Chairman

--- October 21 --- Infectious Diseases — 3 credits CME 7:30 p.m. to 10:00 p.m.
Weber Inn, Ann Arbor. Samson A. Inwald, D.O., Chairman

--- October 22 --- Bacteriologic Review — 8 credits CME 7:30 a.m. to 5:00 p.m.
Weber Inn, Ann Arbor

--- November 9 --- Head and Neck Carcinoma — 2 credits CME
6:30 p.m. registration and dinner. Seminar 7:30 p.m. to 9:30 p.m.

--- December 9 --- Diagnosis and Management of Rheumatic Diseases — 6 3/4 credits CME
John J. Zuzga, D.O., Chairman

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COUNCIL OF DEANS OF MICHIGAN MEDICAL SCHOOLS
APPOINT TWO TO "MERSNET" EDITORIAL BOARD

George Ristow, D.O., associate professor of neurology in the Department of Osteopathic Medicine, and Margaret Jones, M.D. professor of pathology, have been named editors to the editorial board of the Medical Educational Resources Sharing Network (MERSNET). Their appointments were made by the educational Affairs Committee of the Michigan Council of Medical School Deans which includes MSU's College of Osteopathic Medicine and College of Human Medicine, University of Michigan Medical School, and Wayne State University School of Medicine.

Under the sponsorship of the Council the MERSNET project is supported by a grant from the National Fund for Medical Education to conduct a two-year study of the development of an on-line computer database of a medical educational resources, including a test item bank with references to subject heading, learning resources, and other sets of data.

Dr. Jones and Dr. Ristow carry the responsibility as members of the editorial board to exercise quality control over the content and the function of materials submitted for entry into the database through review and editing. The editorial board also is developing a comprehensive classification thesaurus of subject headings for neurosciences.

MERSNET project director is Sui-Wah Chan, Ed.D., Ph.D., associate professor in the office of Associate Dean for Educational Programs, College of Human Medicine, MSU. Further information is available from Dr. Chan at A212 Clinical Center, (517) 353-8828.