MSU OPENS ITS FIRST
PATIENT-CARE FACILITY
FOR THE GENERAL PUBLIC

Opening ceremonies for Michigan State University's $18.1 million Clinical Center -- the first building at MSU designed for providing health care to the public -- will be held on Friday, Oct. 22 at 11 a.m.

Ribbon-cutting, brief speeches from government representatives and university officials, and building tours are planned for the informal program.

Formerly known as the Clinical Sciences Building, the Clinical Center is the nation's first university health care facility jointly utilized by allopathic (M.D.) and osteopathic (D.O.) medical colleges.

Medical and nursing education programs in the new structure -- and the patient services provided in conjunction with them -- will be directed by MSU's College of Human Medicine, College of Osteopathic Medicine and School of Nursing through the university's Office of Health Services.

Michigan State University is the only institution in the world with both types of medical schools -- the College of Human Medicine grants M.D. (doctor of medicine) degrees and the College of Osteopathic Medicine grants D.O. (doctor of osteopathy) degrees. The MSU School of Nursing confers the B.S.N. (bachelor of science in nursing) degree, and also M.N. (master of nursing) degrees for family nurse clinicians.

One of the largest academic buildings at MSU (Chemistry is larger), The Clinical Center consists of three separate but connected units: the two-story wing for ambulatory or outpatient care, a four-story office wing, and a two-story building for laboratory animal resources.

A full range of outpatient health services will be offered to the public on a phased-in basis by faculty in the two medical colleges and the nursing school. Along with patient care, there will be emphasis on teaching of students.

Health professions students at MSU number approximately 400 M.D. students, 300 D.O. students, some 325 nursing students and several hundred enrolled in health related studies.

(more)
Planning for MSU's Clinical Center, intended to become a model of ambulatory care, emphasizes highest priorities for quality care, measurement of patient satisfaction, interdisciplinary collaboration, and cooperative arrangements among the many contributing health professionals --- and is being developed as a collaborative effort with the staff of the Olin Student Health Building to assure a single high standard of care.

Funding came from the State of Michigan ($12.73 million), the Department of Health, Education and Welfare ($4.9 million), and from Michigan State University ($510,000). Architects are Ralph Calder Associates, Inc. of Detroit.

Enhancing The Clinical Center's exterior is an imaginative planting of trees and shrubs. The landscape design is the work of Milton Baron, director of campus park and planning at MSU.

Facilities for patient care in The Clinical Center include four self-contained clinical modules, each with ten examining rooms, eight consulting physician offices, two treatment rooms, two nursing stations, a conference room, study carrels, offices for staff physicians, rest rooms, and two separate waiting areas for patients.

There are special diagnostic and treatment areas, a sophisticated outpatient surgical suite, a radiology department with the latest equipment, clinical laboratory, pharmacy, administrative and teaching space.

Also included are a medical library with study carrels, a 144-seat lecture hall, small class or conference areas, and vending food service areas.

Plans call for The Clinical Center to be hooked into the MSU cable television network, largest such network in a U.S. university.

Initially, the estimated number of patient visits expected at the Center is about 12,000 per year, with an anticipated increase to 25,000 after the first year of operation. The Center was designed to accommodate 125,000 patient visits per year --- 75,000 referred patient visits for specialty care and 50,000 primary care patient visits.

The phased-in moving schedule lists as early Clinical Center occupants the family physicians and specialty clinics of the College of Human Medicine Professional Services, and the family medicine or primary care physicians and specialty clinics of the College of Osteopathic Medicine Professional Services.

Specialists in both medical schools include internists, pediatricians, oncologists, obstetricians and gynecologists, pathologists, radiologists, surgeons and psychiatrists.

For several years prior to the opening of Clinical Center facilities, faculty in the two medical colleges have been seeing patients at specialty and primary care clinics at MSU's Olin Student Health Building and at several off-campus locations.

Patients seen for specialty care are referred by local and outstate physicians. Patients seen by primary care physicians --- generally for non-crisis types of health problems --- presumably will continue to come from the greater Lansing area.

Architecturally, The Clinical Center is designed for optimum in interior space flexibility, permitting future expansion and modification with minimum interference to existing patient care routine.
Deep ceiling cavities or interstitial spaces contribute to overall flexibility. All of the components necessary for lighting, heating, cooling, and air distribution are housed within the 8-ft. 6-in. deep ceiling cavities.

The system permits any of the large patient care modules to be isolated, closed down, and have its function completely altered without affecting adjacent operating areas.

The expansive exterior walls are made of porcelain enameled insulated steel panels. The vertical shaft towers are enclosed in smooth and ribbed precast concrete.

The Clinical Center contains some 4½ million cubic feet, 252,000 gross square feet, and 119,790 net square feet in all units. The difference between gross and net footage is made up by corridors, stairs, rest rooms, mechanical rooms with floors, partitions and wall space.

Of necessity, corridors in the patient wing are especially wide to accommodate patient traffic with ease.

Other statistics: five miles of partitions in all units, 4,000 linear feet of corridors, 614 rooms in the project's three units.

In the outpatient wing, there are 378 rooms occupying 75,694 net square feet. In the office wing, 167 rooms occupy 31,022 net square feet.

In the laboratory animal wing, 69 rooms cover 13,074 net square feet.

Groundbreaking for The Clinical Center took place in January 1974. Approval of the construction contracts had been delayed when the original bids were opened (October 1973) and the lowest was $3.6 million over the combined federal and state allocations for the building.

An additional $1.73 million from the state plus savings realized by revising construction systems helped close the gap between construction costs and the university's ability to meet them.

MSU NAMES ADMINISTRATOR FOR NEW CLINICAL SCIENCES BUILDING

Joseph A. Novick, administrator for ambulatory care at Bronx-Lebanon Hospital Center, has been named administrator for Michigan State University's new Clinical Sciences Building, pending approval by MSU's Board of Trustees.

The $18.1 million facility for training DOs, MDs, nurses and other health professionals will open on a phased schedule beginning this fall.

Medical and nursing education programs in the new building -- and the patient services provided in conjunction with them -- will be under the direction of MSU's College of Osteopathic Medicine, College of Human Medicine, and School of Nursing.

As ambulatory care administrator at Bronx-Lebanon Hospital for four years, Novick was responsible for planning, designing and implementing patient care systems, and the coordination and management of clinical services.

(more)
His responsibilities covered all staffing patterns, including physicians, and direct supervision of nursing, ancillary and clerical staff.

From 1970 to 1972 he was associate director of general accounting of the hospital center's ambulatory division.

His earlier experience includes managerial positions with Newberger, Loeb & Co., New York City stock brokers, and supervisory positions with the A.D.T. Company, Inc., New York City manufacturer of communication systems.

Novick holds a bachelor of science degree from New York University's School of Commerce, where he majored in business administration with special emphasis on accounting and finance.

Born and brought up in New York City, he is a former member of the New York State National Guard and of the U.S. Army Reserve Medical Corps.

Novick's Michigan State University appointment is a joint one, made by the three directors of the MSU Office of Health Services --- Myron S. Magen, D.O., dean of the College of Osteopathic Medicine; Andrew D. Hunt, M.D., dean of the College of Human Medicine, and Isabelle K. Payne, Ed.D., director of the School of Nursing.

---

DR. HUNT NAMED ACTING DIRECTOR OF HEALTH SERVICE PROGRAMS

Upon recommendation of MSU President Clifton R. Wharton Jr., Andrew D. Hunt, M.D., dean of the MSU College of Human Medicine, has been asked to accept temporary re-assignment as acting director of Health Service Programs. In this capacity, Dean Hunt has responsibility for coordinating patient care in the Clinical Sciences Building with patient care in Olin Health Center, to better ensure a single standard of care.

Patient care programs in the Clinical Sciences Building, scheduled to open in late October, will be established and maintained to augment educational efforts of MSU's two medical schools and its School of Nursing.

To implement Dr. Hunt's reassignment and to ensure 'fulltimeness' in the position which President Wharton feels is essential, an internal leave of absence from the CHM deanship has been arranged. Meanwhile, the search for the permanent director of Health Service Programs continues under the leadership of Scott N. Swisher, M.D., chairman of the search committee. It is understood that Dr. Hunt will resume the deanship upon the completion of this search.

Dean Hunt has recommended to the provost that W. Donald Weston, M.D., associate dean of the College of Human Medicine, be named acting dean during this period.

Dean Hunt's new address is: Office of Health Services, B-106E Clinical Sciences Building. His new telephone number: (517) 353-5366.
THEODORE COOPER KEYNOTE
SPAKER AT MSU-COM CONVOCATION

A call for aggressive health planning and chagrin at the "inappropriate influence of rising costs" on health care were expressed by Theodore Cooper, assistant secretary for health in the Department of Health, Education and Welfare.

Speaking at the annual convocation of the Michigan State University College of Osteopathic Medicine, Dr. Cooper saw development of a national health strategy essential to the maintenance of the present private pluralistic health system.

"No agency of government should become a tyrant over this system," he said, "but certain kinds of planning can accomplish a great deal -- quality care for everyone at reasonable cost."

Dr. Cooper's suggestions for planning included:

--correction of misallocated health resources at the local level.
--reduction of third-party financing to cut down on unnecessary hospitalization.
--reduction of inappropriate use of services and technology through local peer review and prior examination of cost benefits.
--aggressive preventive medicine emphasizing the public's responsibility to promote its own health, nutrition, maternal and child health programs, and elimination of environmental and health hazards.
--strengthening resources essential to continuing medical production, including research, training programs, health data collection and analysis.

Cooper cited the saw which says "health is too important to be left to doctors," and called it "a mixture of truth and sarcasm."

"Health is the business of every citizen," he said. "The health professional lends essential but not exclusive hands."

He urged health education for the public to help stem the "insatiable demand" for health services.

"Cost is now the most important factor driving all health policy decisions," he said, pointing out that more than 8% of the gross national product and $146 billion of the federal budget go for health programs.

"Previously health care was based upon perceived need. When only 5% of the GNP went to health programs, it was easier to affirm humanitarian goals," Cooper said.

Cooper said that he feels the rapid rise of the cost of health care is beginning to exert an inappropriate influence on the entire system, and urged strong medical and political, as well as economic, policies to strengthen health care in the nation.

"If we lay all the economists in this country end to end," Cooper said, "I'd be in favor of it."

He encouraged aggressive action in promotion of health instead of the "passive response to the call for help."

Speaking to the incoming students at the College of Osteopathic Medicine, Dr. Cooper warned "If you don't challenge our presumptions and resist the lure of our dollars, then nationalization of medicine and control of education will become inevitable."
SURPRISE PRESENTATION OF
PATENGE MEDAL AT CONVOCATION

A surprise presentation of the Walter F. Patenge Medal of Public Service to
its namesake highlighted the 1976 convocation honoring the entering class of the
Michigan State University College of Osteopathic Medicine.

Walter F. Patenge, the first and only president of the Michigan Osteopathic
Medicine Advisory Board and president of the Wohlert Corporation for 33 years, was
honored with the presentation of the medal by MSU President
Clifton R. Wharton Jr.

Other recipients honored were Theodore Cooper, assistant secretary for health of
the Department of Health, Education and Welfare and keynote speaker for the convoca-
tion; Dr. Maynard J. Amelon, a Detroit osteopathic physician; and Dr. James O. Watson,
an osteopathic physician from Columbus, Ohio.

The award was established in 1971 by the Michigan Osteo-
pathic Medicine Advisory Board
to recognize men and women involved in health care, education, and public service.

Mr. Patenge, a past president and present board member of Lansing General Hos-
pital, has served on the executive board of the National Association of Manufacturers,
on the Michigan Higher Education Advisory Authority, as past president of the State
Chamber of Commerce, and as past president of the Greater Lansing Safety Council.

He was a founder of the MSU Alumni Association, and in 1963 was the recipient
of the University's Distinguished Alumni Award.

Dr. Cooper, who assumed the HEW post in May 1975, directs the activities of the
Public Health Service, the Center for Disease Control, the Food and Drug Administra-
tion, and the National Institutes of Health. He also provides guidance to other HEW
programs such as Medicare and Medicaid.

A pharmacologist, physiologist and surgeon, Dr. Cooper served as professor and
chairman of the Department of Pharmacology at the University of New Mexico School
of Medicine and professor of surgery at St. Louis University School of Medicine.
He has conducted extensive clinical and basic research on the physiology of the
cardiovascular system.

Dr. Amelon, a recent past president of the Michigan Association of Osteopathic
Physicians and Surgeons, is currently president of the Michigan Osteopathic College
Foundation. He has also served as trustee of the Michigan Association of Osteopathic
General Practitioners, editor of the Michigan Osteopathic Journal, a member of the
Blue Shield Corporate Board, and a member of the Comprehensive Health Planning Council
for Southeastern Michigan.

(more)
Dr. Watson has served as president and fellow of the American College of Osteopathic Surgeons, a diplomate of the American Osteopathic Board of Surgery, a trustee of the American Osteopathic Association, and a fellow in the American Osteopathic College of Radiology.

He has been recognized nationally as the Andrew Taylor Still Memorial Lecturer, as honorary president of the Ohio Osteopathic Association, and as a recipient of the Distinguished Service Certificate from the American Osteopathic Association. He also has received honorary doctorate degrees from Des Moines Still College of Osteopathy and Surgery and the Kirksville College of Osteopathy and Surgery.

Previous award winners of the Patenje medal have included Leonard Woodcock, United Auto Workers president; John A. Hannah, former MSU president; Wilbur J. Cohen, and Caspar Weinberger, former secretaries of HEW; and Florida Congressman Paul G. Rogers.

PHARMACOLOGY SEMINARS
FOR FALL TERM

The following seminars will be presented by the Department of Pharmacology at 4 p.m. in Rooms B-448 and 449 Life Sciences. For further information call 353-7146.

Tuesday, October 19
"Anticonvulsant, behavioral, toxicological and antiepileptic characterizations of diphenylsilanediol." Verne Hulce, Department of Pharmacology, MSU.

Tuesday, October 26
"Polybrominated biphenyls: inducers of drug metabolism and modifiers of toxicity." John Dent, Department of Pharmacology, MSU.

Wednesday, November 3 (time to be announced)
"Pro- and anti-convulsant actions of general and local anesthetics." James Heavner, Department of Anesthesiology, University of Washington School of Medicine.

Monday, November 8 (in A133 Life Sciences)
"Chemical and nutritional carcinogenesis." Jim Yeager, Department of Pathology, Dartmouth Medical School.

Tuesday, November 16
"Drug-nutrient interactions: a review." Jenny Bond, Department of Food Science and Human Nutrition, MSU.

Thursday, December 2
Topic to be announced. Harbans Lal, Department of Pharmacology, University of Rhode Island.

Tuesday, December 7
"Interactions between effects of amphetamine and alcohol on rodent behavior." Richard Rech, Department of Pharmacology, MSU.
WIDE VARIETY OF CME PROGRAMS
SCHEDULED AT PONTIAC CENTER

Michigan physicians will have a selection of more than 30 programs on subjects ranging from child neurology to gout during the 1976-77 session at the Michigan Center for Continuing Education in Osteopathic Medicine.

The Center, the only osteopathic institution of its kind in the nation, sponsors programs statewide to keep physicians and other health professionals apprised of the burgeoning array of new techniques for diagnosis and therapy.

The new schedule includes:

Tuesday, October 19, 1976
"Normal and Pathological Physiology of the Cardiovascular System." Second of a weekly series. (James Schwinghamer, Ph.D.)

Wednesday, October 20, 1976
"Basic Electrocardiogram." Third of weekly series at Flint Osteopathic Hospital. (Jack Stanzler, D.O.)

Thursday, October 21, 1976
"Methods and Controversies in Family Practice." Second of weekly series. (Samson Inwald, D.O.)

Sunday, October 24, 1976
"Pain Control II (Emphasis on Osteopathic Manipulative Therapy)" (Ernest Retzlaff, Ph.D.)

Tuesday, October 26, 1976
"Normal and Pathological Physiology of the Cardiovascular System." Third of a weekly series. (James Schwinghamer, Ph.D.)

Wednesday, October 27, 1976
"Basic Electrocardiogram." Fourth of weekly series at Flint Osteopathic Hospital. (Jack Stanzler, D.O.)

Thursday, October 28, 1976
"Methods and Controversies in Family Practice." Third of weekly series. (Samson Inwald, D.O.)

Sunday, October 31, 1976
"Rheumatoid Arthritis." The Finial, Union Bank Building, 200 Ottawa N.W., Grand Rapids. (Paul Wenig, D.O.)

Tuesday, November 2, 1976
"Normal and Pathological Physiology of the Cardiovascular System." Fourth of a weekly series. (James Schwinghamer, Ph.D.)

Wednesday, November 3, 1976
"Basic Electrocardiogram." Final of a weekly series at Flint Osteopathic Hospital. (Jack Stanzler, D.O.)

Thursday, November 4, 1976
"Methods and Controversies in Family Practice." Fourth of a weekly series. (Samson Inwald, D.O.)

Saturday, November 6, 1976
Sunday, November 7, 1976
"Cancer Symposium: Colon and Rectum." Jointly sponsored with the Michigan Cancer Foundation and the American Cancer Society. (John Finley, D.O.)

Tuesday, November 9, 1976
"Normal and Pathological Physiology of the Cardiovascular System." Fifth of a weekly series. (James Schwinghamer, Ph.D.)

Saturday, November 13, 1976
"Aspects of Cardiovascular Disease." (Samson Inwald, D.O.)

Tuesday, November 16, 1976
"Normal and Pathological Physiology of the Cardiovascular System." Final symposium of a weekly series. (James Schwinghamer, Ph.D.)

Saturday, December 4, 1976
"Healing" (Carl Vann, Ph.D.)

Sunday, December 5, 1976
"Cancer of the Head and Neck." Jointly sponsored with the Michigan Cancer Foundation and the American Cancer Society. (E. Michael Lodish, D.O.)

Saturday, December 11, 1976
"Gout and Pseudogout." Sponsored in part with a grant from Merck, Sharp and Dohme. (Paul Wenig, D.O.)

Sunday, December 12, 1976
"Pulmonary Diseases" (Bert Rabinowitz, D.O.)

Sunday, January 9, 1977
"Pregnancy" (Harvey Roth, D.O.)

Thursday, January 27 through Sunday, January 30, 1977
"Diabetes." Held in conjunction with a family ski weekend (including programs for spouses and children) at Boyne Mountain. (Charles Tenner, D.O.)

Sunday, February 6, 1977
"Short Leg Syndrome." (John Upledger, D.O.)

Sunday, March 20, 1977
"Estrogens" Location in Grand Rapids to be announced.

Sunday, March 27, 1977
"Heart Disease" (John Sloan, D.O.)

Sunday, April 24, 1977
"Neuromuscular Diseases" (Samson Inwald, D.O.)

Sunday, May 15, 1977
"Hypertension III" (Arnold Aaron, D.O.)

Saturday, May 21, 1977
"Resident Papers Day II" (Arnold Aaron, D.O.)

Sunday, June 5, 1977
"Nephrology" Location in Grand Rapids to be announced.

(more)
The Center is maintained by the Michigan Association of Osteopathic Physicians and Surgeons, and programs are sponsored jointly by the MSU College of Osteopathic Medicine, the Michigan Osteopathic College Foundation, the Michigan Osteopathic Hospital Association, and miscellaneous donors.

For scheduling or information about particular seminars, contact Duane M. Tester, director, Michigan Center for Continuing Education in Osteopathic Medicine, 900 Auburn Rd., Pontiac, MI, 48057; phone 313-335-7742.

PERSONNEL CHANGES

The following personnel changes in departments solely administered by the College of Osteopathic Medicine were among those approved by the Michigan State University Board of Trustees at their September meeting.

Resignations

Robert C. Cyma, associate clinical professor, Family Medicine
Robert H. Itsell, associate clinical professor, Family Medicine
Charles P. Russo, assistant clinical professor, Family Medicine
James E. Smith, associate clinical professor, Family Medicine
Robert H. Berry, assistant professor, Osteopathic Medicine
Bert M. Bez, professor, Osteopathic Medicine
Daryl L. Smith, assistant professor, Osteopathic Medicine

Transfers and Changes in Assignment

David K. Michael, from clinical instructor to instructor, Biomechanics
Roy J. Harvey, from associate professor to associate professor and acting chairperson, Family Medicine
Paul A. Parente, from assistant clinical professor to associate clinical professor, Family Medicine and Biomechanics.
Richard P. Beshore, from assistant clinical professor to associate professor, Osteopathic Medicine

Appointments

Rodger Dean Curren, research associate, Dean's Office
Robert H. Heflich, research associate, Dean's Office
John W. Levinson, instructor, Dean's Office
Ruth A. Lezotte, assistant professor and director of curriculum planning and implementation, Dean's Office and Office of Medical Education Research and Development
Ronald J. Markert, assistant professor, Dean's Office
Frederick C. Schreiber, instructor, Biomechanics and Anatomy
Gordon C. Spink, assistant professor, Family Medicine
Donald E. Willman, assistant professor, Family Medicine
John W. Gobel, assistant professor, Osteopathic Medicine
Leonard A. Lewis, clinical professor, Osteopathic Medicine
INTERNATIONAL WORKSHOPS ON MANIPULATIVE THERAPY FUNDED BY NIH

A $39,000 grant from the National Institute of Neurological and Communicative Disorders and Stroke has been awarded the College of Osteopathic Medicine for an international workshop on the biological bases for manipulative therapy.

The NIH funds will cover organizational costs and expenses for the first of three proposed conferences at MSU's Kellogg Center for Continuing Education.

Project director is Irvin M. Korr, Ph.D., professor of biomechanics.

Manipulative therapy -- the use of manually applied forces to the body for the relief of pain and other impairments -- has long been a tool of the osteopathic physician and others. It has been employed since antiquity as an effective treatment in spite of the fact that little was known about how or why it worked.

The first workshop, scheduled for October 1977, will explore the role of the nervous system in health and disease and as a communicating structure between the musculoskeletal and other body systems, such as changes in nerve transmissions associated with manipulative therapy.

Proposed for 1979, the second workshop will deal with the effects of body fluid flow changes, and the third, in 1981, will explore the effect of the musculoskeletal system on other body systems.

Speakers at each conference will include a world-wide group of eminent scientists and clinicians who will discuss the application of present knowledge to manipulative therapy, presentation of research needs, and planning for future research.

NEW MEDICAL SERVICES PLAN APPROVED FOR MSU PHYSICIANS

A new Medical Services Plan covering distribution of income earned by faculty physicians in providing patient care essential to MSU academic programs has been approved by Michigan State University's Board of Trustees.

Overall administration of the plan -- known as the "Michigan State University Medical Services Plan of the College of Human Medicine and College of Osteopathic Medicine" -- will be the responsibility of the deans of the two medical schools. Assisting them in day-to-day operations will be a plan manager who also will report to the MSU vice president for business and finance. The new Medical Services Plan is the result of extended review of two separate plans in effect in the two colleges by faculty, deans and university officers.

Medical Services Plan members will include all fulltime clinical faculty of the College of Osteopathic Medicine and the College of Human Medicine who are licensed physicians in the State of Michigan and whose duties include diagnosis, care and/or treatment of patients. Providing patient care is a necessary component of MSU medical programs for education, research and service. In certain cases, non-physician faculty and parttime physician faculty also may be nominated to plan membership.

The medical services plan is based on the principle that patient fee income should help enhance and further these programs better to serve public interests. Allocation of income from patient fees, after expenses of providing patient care, billing and other administrative costs, will be made to participating physicians, as part of their total compensation and also will help support the medical schools' education, research and service.
THOMAS ADAMS, Ph.D., and S. RICHARD HEISEY, Ph.D., professors of physiology, were invited and sponsored participants for a symposium on heat transfer in medicine held at the University of Illinois in Urbana.

CYRIL A. AKPOM, M.D., M.P.H., Ph.D., associate professor in the Office of Health Services Education and Research, is co-author (with SIDNEY KATZ, M.D., director of OHSER) of "A Measure of Primary Sociobiological Function" in the International Journal of Health Services, 6:493-507, 1976. Drs. Akpom and Katz also are co-authors of "Progress in Development of the Index of Adult Living" (supplement) XIV:116-118, May 1976. Dr. Akpom is serving on the Nursing Home Administrators Advisory Council, Nursing Home Administration Division of the State of Michigan Department of Licensing and Regulation.

EVERETT S. BENEKE, Ph.D., professor of microbiology and public health, was at Kings College, Cambridge, England to attend the executive board meeting of the International Association of Microbiological Societies plan for the Microbiology Congress to be held in Munich in 1978. Dr. Beneke is serving a three-year term (until 1978) as chairman of the Mycology Section of the international association.

TERESA BERNARDEZ-BONESATTI, M.D., associate professor of psychiatry, delivered an invited paper "A Feminist Perspective on Therapeutic Groups for Women" at a symposium on therapy groups for women at the annual meeting of the American Group Psychotherapy Association held in Boston. She also served as a leader at a workshop on "Women's Groups for Personal and Social Change."

RALPH BIRZON, D.O., assistant clinical professor of family medicine, spoke on "Drug Abuse and Disuse in Our Present Society" before the American Osteopathic Tennis Association in Sarasota Florida.

CHRISTIANA S. BLUME, Ph.D., acting director of the School of Medical Technology, participated in a four-week Summer Institute for Women in Administration, held at Bryn Mawr College in Pennsylvania.

SANDER J. BREINER, M.D., assistant professor of psychiatry, lectured on "Psychological Problems Inherent in the Care of the Terminally Ill" at a Grace Hospital continuing education program in Detroit. He also conducted rounds at that hospital on "The Dying Patients and Their Families."

ROBERT C. BRICHTSON, Ph.D., professor in the Office of Medical Education Research and Development, was a speaker and discussant in several sessions on "The Third Century" during the 24th Annual Conference on Worlds Affairs sponsored by the University of Colorado. Topics of these sessions included: "Media - the Reality of Illusion"; "No-Fault Adultery"; "Work and Youth"; "Social and Individual Evolution"; "Kill and Overkill--Overt and Covert."

ROBERT G. BRIDGHAM, Ed.D., associate professor, OMERAD, presented a paper with Michael Gordon of the University of Washington on "Curricular Uses of a Recent Study of the Role of Heuristics in Medical Problem Solving" at the annual meeting of the American Educational Research Association (AERA) in San Francisco. He was also elected chairman of the AERA special interest group for research on the teaching of science-related social issues.

JOHN P. CASBERGUE, Ph.D., associate professor in the Office of Medical Education Research and Development, has been appointed to a committee on food service systems of the National Research Council. He conducted a Workshop on Teaching Complex Psychomotor Skills at the Michigan Center for Continuing Education in Osteopathic Medicine in Pontiac. He and JACK MAATSCCH, Ph.D., professor of psychology and in OMERAD, conducted a workshop on writing multiple choice test items for the Educational Council on Osteopathic Principles in Colorado Springs.
RONALD CHEN, M.D., clinical professor of psychiatry, was a visiting professor at Southern Illinois University School of Medicine where he also served as a consultant on community mental health center evaluation, gave a medical staff presentation on "The Need for a New Health Professional" and consulted with health care planning faculty.

WILLIAM S. DAVIDSON, Ph.D., assistant professor of psychology, with E. Seidman and J. Rappaport was co-author of an invited address "Adolescents in Legal Jeopardy: Initial Success and Replication of an Alternative to the Criminal Justice System" delivered before the American Psychological Association at its Washington, D.C. meeting. Dr. Davidson is the 1976 recipient of the Association's First Prize, the Watson-Wilson Consulting Psychology Research Award.


FRANK M. DAWSON, administrative assistant in the Department of Medicine, has been appointed state chairman of the Michigan Heart Association's cardiopulmonary resuscitation (CPR) committee. A CPR instructor for the Heart Association and the American Red Cross, Dawson has also conducted an elective in emergency medicine in the College of Osteopathic Medicine.

DOROTHY DILTS, MT (ASCP), and JERRY HOLMBERG, M.S., MT (ASCP), instructors in the School of Medical Technology and the Department of Pathology, served as laboratory coordinators for the summer Migrant Health Clinics held in Mason and St. Johns. Ms. Dilts is 1976-77 education chairman of the Michigan Society for Medical Technology.

GEORGE W. FAIRWEATHER, Ph.D., a professor of psychology, is a co-author (with Dr. Tornatzky) of Experimental Methods for Social Policy Research, to be published later this year. He was a participant in a program on "The Development, Evaluation, and Diffusion of Rehabilitative Societies: A Social Change Process" held at the University of Wisconsin, Madison. Drs. Fairweather, Sanders and Tornatzky also are authors of Creating Change in Mental Health Organizations, published in 1974 by Pergamon Press.

BONNIE J. FONS, R.N., M.S., assistant professor of family medicine, presented a paper, "Primary Care Nursing Concepts in a Baccalaureate Nursing Program" at a Michigan Nurses Association Conference on approaches to primary care nursing.

JOHN P. GOODRIDGE, D.O., associate professor of biomechanics, and FRED L. MITCHELL JR., D.O., associate professor of biomechanics, presented diagnostic and therapeutic procedures for recurring sacroiliac dysfunctions at a meeting sponsored by the New England Academy of Osteopathy in Durham, New Hampshire. A co-instructor was David Johnson, D.O., of Yarmouth, Maine.

PHILIP E. GREENMAN, D.O., associate dean for academic affairs, presented a paper on "An Osteopathic Approach to Vertigo" to the sixtieth annual clinical assembly of the Osteopathic College of Ophthalmology and Otorhinolaryngology in Atlanta. At the 76th annual convention of the Oklahoma Osteopathic Association, he spoke on "Indications for Osteopathic Manipulative Therapy in Malignant Disease" and on "The Osteopathic Prescription." He also gave the first address on the "Present State of the College" for the MSU-COM alumni luncheon at the Michigan Association of Osteopathic Physicians and Surgeons convention.

GALE HARRIS, Ph.D., associate professor of radiology, is author of "Nuclear Medicine Research: An evaluation of the Energy Research and Development Association Program", a final report.

RICHARD HEISEY, Ph.D., professor of physiology, was an invited and sponsored participant at the International Symposium on the Ocular and Cerebrospinal Fluids, held at the John E. Fogarty International Center in Bethesda.

MARK W. HINSHAW, M.D., associate professor of psychiatry, has been certified in Child Psychiatry by the American Board of Psychiatry and Neurology, Inc. He presented "Preventing Psychological Disturbances in Families with Chronically Handicapped Children" at a conference on preventive aspects of handicapped conditions held in Grand Rapids. He is serving as secretary-treasurer of the Michigan Council of Child Psychiatry.

KIRK H. HERRICK, D.O., associate clinical professor of family medicine, was named the new president of the Michigan Association of Osteopathic Physicians and Surgeons at their annual House of Delegates meeting.

RICHARD W. HILL, Ph.D., associate professor of zoology and curator at the museum, is the author of The Comparative Physiology of Animals: An Environmental Approach, published by Harper and Row, New York, 1976, 656 pages. He also is chairman of the MSU All-University Committee on Animal Facilities and Care.

JERRY B. HOOK, Ph.D., professor of pharmacology, on September 9 participated in a study section for the Artificial Kidney/Chronic Uremia Program of the National Institute of Arthritis, Metabolism and Digestive Diseases. He is co-author (with V. G. Stygles and D. A. Reineke) of a paper presented at the Michigan Heart Research Forum in Ann Arbor. At the August meeting of the American Society for Pharmacology and Experimental Therapeutics at Tulane University, Dr. Hook chaired the Symposium on Pharmacology of Diuretics, was a symposium speaker on "Release of Vasoactive Materials from the Kidney by Diuretics", and was co-author of three papers presented by students—"Functional Nephrotoxicity of Methylmercury in the Rat" with W. E. Stroo; "PGE2 in Renal Medulla of Doca and Goldblatt Hypertensive Rats" with V. G. Stygles and D. A. Reineke; and "Identification of Renal Anion Transport Systems with Substrate Stimulation and Transport Ontogeny" with W. R. Hewitt.

MARGARET Z. JONES, M.D., associate professor of pathology, has been appointed to the ad hoc committee to assist the National Institute for Neurological, Communicative Diseases and Stroke in the review of institutional training program applications.


IRVIN M. KORR, Ph.D., professor of biomechanics, received an honorary Doctor of Science degree from Kirksville College of Osteopathic Medicine in May. Last year he had been named emeritus professor of neurophysiology at the Kirksville College. Dr. Korr is also the author of "The Spinal Cord as Organizer of Disease Processes: Some Preliminary Perspectives" in the September 1976 issue of the Journal of the American Osteopathic Association.
SISTER MARY HONORA KROGER, Ph.D., assistant professor and director of the Chronic Disease Module Project in the Office of Health Services Education Research (OHUSER), conducted a "Workshop in Human Development -- the Aging" for community health representatives gathered at Life Sciences for a summer conference on August 18. Workshop sponsors were OHUSER and the MSU Continuing Education Service.

ROBERT W. LEADER, D.V.M., professor and chairman of pathology, participated in a Management Seminar for Pathology Chairmen, held at Quail Roost, N.C.

GLORIA M. LEW, Ph.D., assistant professor of anatomy, is author of "Circadian rhythms in blood pressure and norepinephrine in genetically hypertensive and normotensive rats" published in General Pharmacology, 7: 35-40.

JACK L. MAATSCH, Ph.D., professor, Office of Medical Education Research and Development, is serving as consultant to the subcommittee on in-training assessment for family practice residency programs of the Commissions on Education, American Academy of Family Practice. Next autumn, he will be the plenary session speaker and workshop resource consultant in Banff where the Society of Teachers of Family Medicine will hold an October 10-13 workshop. Dr. Maatsch will speak on "Simulation as a Teaching Tool" and conduct a session on "Patient Games." The meeting is co-sponsored by the University of Calgary's division of continuing medical education. He recently addressed the Charlotte Women's Club on "Medical and Osteopathic Physicians: Some Similarities and Differences."

JAMES R. MESSICK, instructor in the Office of Medical Education, Research and Development, presented a workshop on "Sex Education in Michigan; Past, Present and Future" at the annual meeting of the Michigan Council on Family Relations. Co-presenter was Ann Christine Messick, graduate student in the MSU Department of Communications. The couple serves as volunteer speakers for the Tri-County Family Center in Lansing and make presentations together on various aspects of human communication, including sex education, sexual communications, contraception information, and family planning. In OMERAD, Messick is a research associate on the National Library of Medicine study contract on the "Utility and Potential of Simulation Technology in Medical Education.


KENNETH MOORE, Ph.D., professor of pharmacology, has been appointed to a three-year term on the American Society for Pharmacology and Experimental Therapeutics committee on nonmedical use of drugs. At the International Symposium on Non-Striatal Dopaminergic Neurons at Cagliari, Sardinia, he presented a paper "Drug Actions on the Turnover of Dopamine in the Median Eminence." He presented another invited lecture "The Actions of Amphetamine on Neurotransmitters" at the annual meeting of the Society of Biological Psychiatry held June 10-13 in San Francisco. With G. A. Gudelsky, Dr. Moore is co-author of "Differential Drug Effects on Dopamine Concentrations and Rates of Turnover in the Median Eminence, Olfactory Tubercle and Corpus Striatum" in J. Neural Transmission 38:95-105, 1976.
ELEANOR S. MORRISON, M.A., instructor in community medicine, presented a paper on "Designing Group Activities for Sexuality Education and Professional Training" at the International Symposium on Sex Education and Therapy, Swedish Institute for Sexual Research, Stockholm. She also had been a special lecturer on women and sexuality at Olivet College.

She is a co-author with VERA BOROSAGE, Ph.D., professor of family and child sciences, of Human Sexuality: Contemporary Perspectives, a revised edition of which will be published early in 1977 by Mayfield Publishing Company, Palo Alto. She also co-authored (with Mila Price of Lansing Community College) Values in Sexuality, Hart Publishing Company, 1974.

CHARLES A. MURPHY, D.O., associate clinical professor of family medicine, was named president-elect of the Wayne County Osteopathic Association at its annual meeting.


E. JAMES POTCHEN, M.D., professor and chairman of radiology, presided at the annual meeting of the Society of Nuclear Medicine held in Dallas June 6-11. He served as Society president from July 1, 1975 through June 30, 1976. In June he participated as an examiner of nuclear radiology for the American Board of Radiology, and later attended the AMA annual meeting in Dallas as a delegate on the Section Council on Nuclear Medicine. At a seminar at Massachusetts Institute of Technology Sloan School of Management, he spoke on "System Dynamics Applied to National Health Policy Design: Defensive Medicine".

He addressed the annual meeting of the Society of Chairmen of Academic Radiology Departments on "Management Practice -- Applications in Academia"; attended a meeting of the Los Alamos Scientific Laboratory committee on medical radioisotopes, and spoke on "The Impact of Regulation on Energy Resource Development" at the seventh annual Midwest American Institute of Decision Sciences.

In Baltimore for the annual meeting of the Mid-Eastern Chapter of the Society of Nuclear Medicine, Dr. Potchen gave the major address at the President's luncheon and was made an honorary citizen of the city by Baltimore mayor W. D. Schaefer.

DAVID PRICE, Ph.D., assistant professor of psychiatry, was the coauthor of a background paper on "Consent for Minor Donors to Bone Marrow Transplantation" presented at the Conference on Bone Marrow Transplantation in Children with Immunodeficiencies sponsored by the Bureau of Maternal and Child Health, U. S. Public Health Service. MSU coauthors included HOWARD BRODY, M.D., doctoral candidate in philosophy; DONALD DUQUETTE, LL.B., assistant professor of human development; DAN ENGLISH, M.D., associate professor of surgery; BETTY GAISS, O.P., graduate student in philosophy; DONALD KAUFMAN, M.D., assistant professor of human development; and BRUCE MILLER, Ph.D., associate professor of philosophy.

Dr. Price also has been named a consultant to the Department of Family Practice at Rutgers Medical School for their evaluation program for residency training and for a program to train family practice preceptors.

RICHARD H. RECH, Ph.D., professor of pharmacology, participated in the New York Academy of Sciences Conference on "Interactions of Drugs of Abuse" held at the Roosevelt Hotel, N.Y.C. He presented a paper on "Interactions Between Amphetamine and Alcohol and Their Effect on Rodent Behavior". Co-authors were W. K. VOMACHKA, D. RICKERT, and M. D. BRAUDE.

NORMAN ROSENZWEIG, M.D., associate clinical professor of psychiatry and chairman of psychiatry at Sinai Hospital of Detroit, was a delegate to the Assembly of the American Psychiatric Association annual meeting, attended the VI World Congress planning committee in Miami, and served on the organizing and program committees of the First Caribbean Congress of Psychiatry in San Juan. He was a discussant for a paper "World Health Organization: A Program Review" at the APA annual meeting.
CHARLES H. SANDER, M.D., professor and associate chairman of pathology, this summer was on the faculty of the Given Institute of Pathobiology in Aspen, Colorado, where he conducted seminars for the "Review Course in Basic Sciences" presented to selected American students from foreign medical schools. The course is sponsored by the University of Colorado and governmental agencies to help prepare the students to enter American medical schools to complete their medical training.

RACHEL SCHEMMELE, Ph.D., associate professor of community medicine and of food science and human nutrition, is one of six members of the Scholarship, Awards and Loan Fund Board of the American Dietetic Association.

WILLIAM R. SCHONBEIN, S.M., specialist in the Department of Radiology, discussed "Analysis of Clinical Attributes Affecting Brain Scan Use" at the Atlanta meeting of the Society of Nuclear Medicine.

JOHN E. THORNBURG, Ph.D., instructor in pharmacology and third year osteopathic student, and KENNETH E. MOORE, Ph.D., professor of pharmacology, are the authors of "Pharmacologically Induced Modifications of Behavioral and Neuronal Development" in Perinatal Pharmacology and Therapeutics (edited by B. L. Mirkin), Academic Press, 1976, pp. 269-354.

DONALD C. TAVANO, Ph.D., associate professor of community medicine, has been elected president of the Michigan Public Health Association at its annual conference at Mackinac Island.


CHARLES TWEEDLE, Ph.D., assistant professor of biomechanics, presented a paper on "The Development of Aneurogenic Smooth Muscle" at the annual meeting of the American Association of Anatomiasts, and which appeared in Anatomical Record 184:551A.

He also authored a book review of Regeneration of Smooth Muscle for the Quarterly Review of Biology and an article on "The Development and Maintenance of Smooth Muscle in Control and Aneurogenic Amphibians (Ambustonia)" in Cell Tissue Research 166:275-283 (1976).

Dr. Tweedle and GLENN I. HATTON, Ph.D., professor of psychology, were coauthors of "Ultrastructural Comparisons of Neurons of Supraoptic and Circularis Nuclei in Normal and Dehydrated Rats" in Brain Research Bulletin 1:103-121 (1976).

JOSEPH R. VORRO, Ph.D., assistant professor of anatomy, presented "Kinematic and Mechanical Correlates of Skill Acquisition" at the Third Congress of the International Society of Electrophysiological Kinesiology in Pavia, Italy. He also presented a paper on "A possible functional difference in humans between m. coracobrachialis and m. biceps brachii (caput breve)," at the 89th annual session of the American Association of Anatomiasts in Louisville, Kentucky.

ROBERT C. WARD, D.O., professor in OMERAD, gave a lecture on "Applied Osteopathy" at the Ohio Osteopathic Association 78th annual convention in Columbus.


WILLIAM W. WELLS, Ph.D., professor of biochemistry and LOUIS E. BURTON, research associate in biochemistry, presented "Myo-Inositol Metabolism During Lactation and Development in Rats Fed a Myo-Inositol Deficient Diet" at the sixtieth annual meeting of the Federation of American Societies for Experimental Biology.


ARTHUR G. WICKERSHAM, M.S.W., assistant clinical professor of psychiatry, has been named director of the St. Lawrence Community Health Center's Outpatient Unit by the Tri-County Community Mental Health Board.

MEDICAL HUMANITIES SEMINARS
SCHEDULED ON HEALTH TOPICS

Three timely topics of special importance in health and medicine will be explored this autumn at Michigan State University in a series of informal seminars held at the University Club.

"The Efficacy of Medicine" will be discussed Oct. 28 by E. James Potchen, M.D., professor and chairman of radiology at MSU.

"The Role of the Physician in Society" will be discussed Nov. 11 by Peter Vinten-Johansen, Ph.D., MSU assistant professor of history.

The seminars, to be held in the University Club's fireside room, are being organized to help acquaint those especially interested in medical humanities with work underway in other departments and disciplines.

Planning the programs are Dr. Potchen and Howard Brody, M.D., of the human development and philosophy departments, with the support of James Pickering, Ph.D., professor of English and director of the Honors College.

EYE ENUCLEATION COURSE
PLANNED FOR NOV. 20-21 AT MSU

An eye enucleation course for emergency medical service personnel and licensed morticians will be conducted on campus Nov. 20 and 21 by Michigan State University's Department of Anatomy. Sponsors are MSU's College of Osteopathic Medicine and College of Human Medicine. Upon completion of the course, participants will receive certification in eye enucleation from the MSU medical schools, thus providing additional personnel throughout the state equipped to assist Michigan's eye bank programs.

Course director is Milvet Strickler, director of MSU's willed body program. Faculty also will include Arthur Schultz, East Lansing ophthalmologist; Lawrence Ross, M.D., Ph.D., associate professor of anatomy, and Allen W. Jacobs, Ph.D., associate professor of anatomy. Course information also is available from Ann Tsiminakis, Conferences and Institutes, MSU Kellogg Center for Continuing Education.
GIFTS AND GRANTS

The following medically-related gifts and grants were among those accepted by the MSU Board of Trustees at their July and September meetings. (There was no meeting in August).

**Anatomy**

- National Institutes of Health: development of the palate and lip. B. S. Walker.

**Biochemistry**

- National Institutes of Health: rat liver microsomal cytochrome P<sub>450</sub>. S. D. Aust.
- National Institutes of Health: chemistry and metabolism of sphingolipids. C. C. Sweeney.
- National Institutes of Health: membrane formation and function during development. R. A. Ronzio.
- National Institutes of Health: Biosynthesis of Apiose, Structure of Cell Wall Polysaccharides. P. K. Kindel
- National Institutes of Health: biochemistry of polyene antibiotics. L. L. Bieber.
- National Institutes of Health: training for pre-doctoral studies in biochemistry. R. Barker.
- Dow Chemical Company: unrestricted grant. R. Barker.

(more)
Biophysics


National Institutes of Health: metal coordination complexes in cancer chemotherapy. B. Rosenberg.


Anthropology

National Institutes of Health: research primary sources of the historical background of changing identities in South Asia. K. David.

National Institutes of Health: determine influence of nuptiality patterns on fertility levels in a Spanish agro-town. S. H. Brandes.


Biomechanics

Ashland Oil, Inc.: study of aminimides as antimicrobial agents. J. J. Kabara.


Dean, College of Osteopathic Medicine

Various donors: unrestricted grants. R. Fedore.

National Institutes of Health: strengthen, balance and stabilize PHS-supported biomedical research programs, enhance creativity, encourage innovation and provide for support of pilot studies. P. Gerhardt.

U. S. Public Health Service, National Institutes of Health: educate primary care physicians to assume faculty roles. N. T. Bell.

U. S. Public Health Service, National Institutes of Health: identify and increase minority applicants and provide academic counseling and support services for minority student matriculants. M. S. Magen.

Michigan Department of Corrections: unrestricted grant. M. S. Magen.

U. S. Public Health Service, National Institutes of Health: health professions capitation grant program. M. S. Magen.

Dean, College of Human Medicine

National Institutes of Health: exploratory studies in cancer research. A. D. Hunt.

National Institutes of Health: health professions capitation grant program. A. D. Hunt.

(more)
Human Development

National Institutes of Health: delineate control mechanisms of gluconeogenesis in the neonatal pig liver under a variety of substrate and hormonal influences. T. A. Helmuth.

Ross Laboratories: unrestricted grant. W. B. Weil, Jr.


Family Practice and Family Medicine

National Institutes of Health: training in interdisciplinary team approach to delivery of health care services. R. Gerard and L. Bunnell.

Medicine


Children's Leukemia Foundation of Michigan: leukapheresis program. G. Tischkoff.

Sterling-Winthrop Research Institute: promote investigational activities of clinical pharmacology program and support needs of investigators. R. K. Ferguson.

Microbiology and Public Health

National Institutes of Health: research training in general microbiology. H. L. Sadoff.


Leukemia Society of America, Inc.: purification and characterization of membrane antigens of cells infected with Marek's disease herpes virus. L. F. Velicer and M. B. Jennings.


National Institutes of Health: immunology of larval tapeworm infection. J. F. Williams.


(more)
Microbiology and Public Health (continued)


American Cancer Society, Inc.: functional diversity of differentiating lymphocytes. H. C. Miller.

National Institutes of Health: immunogenesis from bone-marrow cells. H. C. Miller.

National Science Foundation: application of membrane technology to the conversion of waste products into enriched feedstuff by continuous nonaseptic fermentation. P. Gerhardt.


USDA Veterinary Services, Animal and Plant Health Inspection Service: brucellosis -- cell-mediated immunity and facilities renewal and improvement grants. N. B. McCullough.

Nursing

National Institutes of Health: admission, counseling, program planning and instruction of minority students who have indicated an interest in nursing as a profession. J. D. Curtis.


Obstetrics, Gynecology and Reproductive Biology

Drug Education Center, Inc.: improvement of educational offerings to students, interns and residents training in obstetrics and gynecology. T. H. Kirschbaum.

Office of Health Service Education and Research (OHSER)

Michigan Department of Public Health: design, implement and maintain ambulatory care record system to produce a statistical data system in at least two organizations which deliver primary care services within Michigan. C. W. Given.

Tri-County Heart Unit: survey of physical fitness needs in Lansing area. J. Papsidero.

Pathology

Muscular Dystrophy Association, Inc.: support of regional neuromuscular diagnostic laboratory. M. Z. Jones.

Pharmacology

National Institutes of Health: clinical pharmacology training. A. Michelakis.


Miles Laboratories, Inc.: unrestricted grant. T. M. Brody.

(more)
Pharmacology (continued)
National Institute on Drug Abuse: interaction studies with stimulants and depressants in animals.  R. H. Rech.


National Institutes of Health: factors affecting renal physiology in the newborn.  J. B. Hook.

National Institutes of Health: role of catecholamines in drug toxicity.  K. E. Moore.

National Institutes of Health: new vasoactive factors and their role in hypertension.  A. M. Michelakis.


Physiology
National Institutes of Health: role of chemicals in local blood flow regulation.  J. B. Scott.

National Science Foundation: chemistry of the prolactin receptor.  W. L. Frantz.


Psychiatry
County of Ingham: provide for development of psychiatric residency program within department.  N. B. Enzer.

County of Kent: provide for development of psychiatric residency program within department.  N. B. Enzer.

St. Lawrence Hospital: provide for development of psychiatric residency program within department.  N. B. Enzer.

National Institutes of Health: undergraduate psychiatry.  A. Werner.

National Institute of Mental Health: undergraduate human behavior.  A. Werner.

Pine Rest Christian Hospital Association: development of the psychiatric residency program.  N. B. Enzer.

Psychology

National Institutes of Health: experimental innovation diffusion in mental hospitals.  G. W. Fairweather.

Dr. and Mrs. Lawrence A. Messe: child psychotherapy research.  G. Stollak.

National Institutes of Health: social psychology training grant.  E. H. Jacobson.

(more)
Psychology (continued)  National Institutes of Health: experimental-general psychology training grant.  L. J. Harris.

National Institutes of Health: clinical training grant.  D. L. Grummon.

Northwestern University: studies on self-esteem and academic achievement.  R. Calysn.


American Cancer Society: establish the function of cells in Peyer's patches in the IGA antibody responses and in cellular responses to tumor antigens.  E. D. Coppola.

Radiology  National Institutes of Health: establishment of community based information network for studies of the control of colorectal carcinoma by means of identification of risk susceptibility patterns and identification of factors which lead to diagnostic delay in patients with known or suspected colorectal carcinoma.  E. J. Potchen.

Zoology  National Institutes of Health: physiology of acanthamoeba and entamoeba.  R. N. Band.

National Institutes of Health: study neural control of sexual behavior in the rat.  L. G. Clemens.

COMmunique QUESTIONNAIRE

This questionnaire is for your use for publication in the "Persona Grata" section of "COMmunique," the College of Osteopathic Medicine newsletter. This section is used to note achievements and activities of college personnel, including honors and awards, publications, papers, professional offices, and participation in programs and committees both on and off campus.

PLEASE print or type. Do not include information that is more than two months old. Thank you for your cooperation.

Name ___________________________ Dept. ___________________________

(Highest Degree)

Title ___________________________ Office phone number ________________

Office mailing address: ___________________________

Program participation: (name of program sponsor, title of paper or presentation, name of coauthors, date of programs, where held.)

________________________________________

________________________________________

________________________________________

________________________________________

Current offices and committee positions: (name of organization, term of office)

________________________________________

________________________________________

________________________________________

________________________________________

Publications: (complete title, where published and when, names and affiliation of coauthors, if any)

________________________________________

________________________________________

________________________________________

________________________________________

Honors and awards: (what, where, when)

________________________________________

________________________________________

________________________________________

________________________________________

Please return to Patricia Grauer, editor, "COMmunique," Health and Medicine Section, Information Services, A331 East Fee Hall, MSU.