GROH: An Affiliate In Education
ON THE COVER

Quality health care, education and community service are keystones at Grand Rapids Osteopathic Hospital, one of 20 such institutions affiliated with the MSU College of Osteopathic Medicine. The hospital is located at 1919 Boston S.E.

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CIRCULATION: This winter 2,650 copies of "Communique" are distributed each issue to MSU-COM faculty and staff; on-campus students; students on clinical rotations; off-campus volunteer faculty; alumni; associate members of the MSU-COM Alumni Association; directors of medical education, administrators and others in affiliated hospitals; MSU deans and administrators outside MSU-COM; friends of the college; premedical advisers statewide, and osteopathic publications.

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Michigan State University is an equal-opportunity/affirmative action institution.
GRAND RAPIDS OSTEOPATHIC HOSPITAL: A TEACHING INSTITUTION THROUGHOUT

In every sense of the term an institution of higher learning, Grand Rapids Osteopathic Hospital employs education as a vital component of its health care — for physicians-in-training and practicing D.O.s, for patients and their families, for nurses and staff, and for the public and the community.

Teaching is found at every level of care, from a broad range of sophisticated specialty training in residencies to clinical education for undergraduate nurses to in-service programs in the dietary and maintenance departments. Patients are instructed in numerous ways to improve and maintain their health. Community education programs include topics ranging from breast self-examination to a program which acquaints children with the hospital prior to admission.

In addition to its affiliation with the Michigan State University College of Osteopathic Medicine, the hospital also has teaching relationships with Grand Valley State Colleges, Ferris State College and Grand Rapids Junior College.

A 263-bed full-service hospital, GROH is in its twenty-fifth year at the same location. Its personnel include 130 physicians and more than 1,000 employees, and the hospital logged nearly 68,000 patient days during 1980-81.

The hospital facilities are extensive, and include a new 12-bed, telemetry-monitored intensive care unit, a new laboratory, and a physical medicine and rehabilitation unit, which encompasses physical therapy, occupational therapy, and speech pathology.

Physician Education

The hospital offers the full range of clinical education for physicians, including clerkships for third- and fourth-year medical students, rotating internships, and residencies in a broad range of specialties.

Clerkships. GROH provides clinical education for 15 medical students each term, the majority of which come from the MSU College of Osteopathic Medicine. Required rotations for clerks include surgery, medicine, pediatrics and obstetrics, while selectives are offered in all other services, from emergency medicine to radiology.

Internships. Fifteen rotating internships are offered by the hospital, which include 13 units of four weeks each. These encompass three units in medicine (one general, one in the intensive care unit, and one elective in areas such as cardiology, oncology, and neurology) and three units in surgery (one general and two electives in areas such as ENT,
ophthalmologic, orthopedic, or thoracic surgery). One-unit rotations are pediatrics, obstetrics, family medicine, emergency room, a night rotation in obstetrics/pediatrics/newborn nursery, a night rotation in ICU/medicine and surgery, and an elective rotation. The elective may be taken outside GROH for study in areas such as sports medicine, dermatology, pediatric cardiology, or general practice in an office setting.

Residencies. Grand Rapids Osteopathic Hospital has approval from the American Osteopathic Association for 29 residency positions in eleven areas—anesthesiology, emergency medicine, general practice, internal medicine, obstetrics and gynecology, ophthalmology, orthopedic surgery, otorhinolaryngology, pediatrics, general surgery and urology.

In the last two years, the hospital has had three Mead Johnson scholarship winners as residents, including Ralph Walsh, D.O. (MSU-COM '79), anesthesiology resident.

Robert G. Bowman, DME

Director of medical education since July 1980 is Robert G. Bowman, D.O., a certified anesthesiologist and immediate past president of the American Osteopathic College of Anesthesiologists.

Dr. Bowman has spent his entire career at GROH, following his graduation from the Philadelphia College of Osteopathic Medicine in 1961. He took his internship and residency at the hospital, and has held numerous positions of responsibility, including chief of staff, departmental chairman, and member of the board of directors.

His responsibilities as DME include administration of graduate medical education, undergraduate medical education, continuing medical education, the medical library and the audiovisual department.

Medical education programs in the hospital include daily educational lectures, a monthly "visiting professor" program, and 25 to 30 hours a month of postgraduate medical education. The medical library includes a computerized Medline, offering access to the National Library of Medicine's computer terminal.

Videotaping of surgical procedures, lectures, and demonstrations is conducted through the A-V department, and the hospital TV network includes patient, nursing and physician education channels. A current project is the development of a videotape referral library for self-study, including carrel units.

"We stress active participation in patient care, even for the clinical clerks," Dr. Bowman said. "Medical students examine patients, draw their own conclusions, and have some say in diagnosis and treatment in discussion with senior housestaff or active staff."

"In addition, clinical training is patient-oriented rather than incident-oriented. Clerks and interns are assigned to administer histories and physicals on a single service, and follow each patient from admission to discharge," he noted.

Dr. Bowman pointed out that the intermediate size of Grand Rapids Osteopathic Hospital is an advantage in promoting patient-oriented clinical training.
"Because we have both a large number of general practitioners and specialty coverage in all major areas, students are able to discuss the total care of the patient with all physicians involved," Dr. Bowman said. "They don't have to deal solely with the specialist because the referring physician does not practice on-site."

Dr. Bowman emphasizes the importance of open communication with clerks, interns and residents, and holds regular meetings to discuss training objectives, to provide mutual evaluation by trainees and instructors, and to dialogue complaints.

Maintaining a part-time anesthesiology practice, Dr. Bowman feels that it is vitally important to have patient care responsibilities and to be alert to the needs of practicing physicians. The practice also allows him to observe students in surgical, obstetric and pediatric settings.

MSU-COM ALUMNI WORKING AT GRAND RAPIDS OSTEOPATHIC HOSPITAL

MSU-COM alumni on the GROH staff include Craig Bethune, Steven Dupuis, Gary Marsiglia, Tony Scalici, and Joanne Grzeszak-Shaltz, 1976; Thomas Brand, 1977; Elmer Fowler, Frederick A. Wakerley, 1978; Paul Gauthier, James Lang, 1979; and Phillip Gaca and Paul Wahby, 1980.

Residents include 1978 graduates Robert Gleffe (internal medicine) and Daniel Sak (internal medicine); 1979 grads K. Thomas Crocker (orthopedic surgery), Douglas Marciniak (internal medicine), and Ralph Walsh (anesthesiology); and 1980 alumni Dan Hunt (general surgery), Daniel Thomas (anesthesiology) and Michael Zakem (internal medicine).

Taking internships at GROH are 1981 graduates Timothy Beechnau, Douglas Doty, Ann Kuenker, John Murphy, Joseph Roth, Jonathan Salewski, Linette Showerman, and Gary Visner.
BRINER APPROVED AS CHAIRMAN OF MSU-COM INTERNAL MEDICINE

Donald H. Briner, D.O., has been named chairman of the Department of Internal Medicine at the MSU College of Osteopathic Medicine. His appointment was approved by the MSU Board of Trustees at their meeting February 26.

Dr. Briner has served as acting chairman of the department since its inception in January 1981, and has been professor of internal medicine and rheumatology at MSU since 1979.

A fellow and former president of the American College of Osteopathic Internists, Dr. Briner also served as a member and vice-chairman of the American Osteopathic Board of Internal Medicine.

Prior to his service at MSU, he was senior attending physician at Grandview Hospital in Dayton, Ohio, and had served as chief-of-staff at the hospital. He also was clinical professor of medicine at the Ohio University College of Osteopathic Medicine.

Dr. Briner, who took his undergraduate work at Lehigh University, received the D.O. degree from the Philadelphia College of Osteopathic Medicine in 1945. He completed an internship at Bashline-Rossman Hospital in Grove City, Pennsylvania, and a residency in internal medicine at Detroit Osteopathic Hospital. He is board-certified in both internal medicine and rheumatology.

Dr. Briner was a National Institutes of Health clinical trainee in cardiology, and held a Pfizer Fellowship. In 1975-76, he was a clinical fellow in immunology at the University of Cincinnati College of Medicine and Cincinnati General Hospital.

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PEOPLE

Donald McBride, D.O., acting associate dean of MSU-COM, was named a fellow of the American College of Osteopathic Obstetricians and Gynecologists at their annual convention in New Orleans February 15-18. He was sponsored by Walter Mill, D.O., chairman of MSU-COM’s Department of Osteopathic Medicine, who attended the meeting with Joseph Walczak, D.O., associate professor, and Bernard Billman, D.O., clinical faculty member in osteopathic medicine.

Ronald C. Simons, M.D., professor of psychiatry and adjunct professor of anthropology, presented a paper on culture-bound syndromes to the annual meeting of the Society for the Study of Culture and Psychiatry in Mt. Hood, Oregon. He also gave an illustrated lecture on his research at the grand rounds of the psychiatry department, University of Washington, Seattle. A feature article describing his research appears in the February issue of the popular science magazine, Science Digest.

WEDNESDAY, MAY 19, 1982


THURSDAY, MAY 20, 1982


SUNDAY, MAY 23, 1982


WEDNESDAY, MAY 26, 1982

8 a.m. Departments of Medicine and Pathology colloquium: "Von Willebrand's Disease" by H. Hassouna, M.D., Ph.D., and F.A. Kennedy, D.V.M. B205 Life Sciences.

MONDAY, JUNE 14, 1982


FRIDAY, JULY 2, 1982


SUNDAY, JULY 11, 1982


THURSDAY, JULY 22, 1982

MARCH 15, 1982

"International Symposium on PCBs in the Great Lakes" sponsored by MSU Center for Environmental Toxicology. Through March 17. Program chairman is Jerry B. Hook, C231 Holden Hall, 517/353-6469. For housing and registration, contact Joan Martin Alam, MSU Lifelong Education Programs, 517/353-7822. Kellogg Center, MSU.

WEDNESDAY, MARCH 17, 1982

8 a.m. Departments of Medicine and Pathology colloquium: "Summer Camp for Hemophilic Patients; Attitudes and Accomplishments of the Seriously Ill" by Sally Crudder, R.N., Hemophilia Foundation, Ann Arbor. B205 Life Sciences.

9 a.m. Medicine/Pathology research seminar: "Virus-Induced Malignancies in Chickens" by Leland Velicer, Ph.D., Department of Microbiology and Public Health, MSU. B205 Life Sciences.

THURSDAY, MARCH 18, 1982

8:30 a.m. "Brief Therapy with Families of Adolescents," by John Schwartzman, Ph.D., Family Institute of Chicago and Northwestern University Medical School. Sponsored by the Community Mental Health Board. Contact Stephen A. Bergeron, 407 W. Greenlawn, Lansing, MI, 517/374-0781. Howell Holiday Inn.


FRIDAY, MARCH 19, 1982


SATURDAY, MARCH 20, 1982


COMMUNIQUÉ

Please use this form for submission of material for the biweekly College of Osteopathic Medicine Communique. The editors and editorial advisory committee retain the right to edit or exclude any material. Please print or type, and do not include any information that is more than one month old.

Date of submission

Name

Highest degree

Position (MSU-COM)

Alum? Year graduated

Address

Phone

NEWS ITEMS OR FEATURE SUGGESTIONS

NEW NAME OR ADDRESS?

SIGNATURE

PLEASE RETURN TO Medicine and Health Information, A314 East Fee, Michigan State University, East Lansing, MI 48824. For assistance call 517/353-0820.
TUESDAY, MARCH 23, 1982

9:30 a.m. "Food Consumption Abuses." A one-day program sponsored by the Cooperative Extension Service. Until 3:30 p.m. Contact Carolyn Lackey, Ph.D., 517/355-0285. B108 Wells Hall.

WEDNESDAY, MARCH 24, 1982

8 a.m. Departments of Medicine and Pathology colloquia: "Medical Humanities" by Maureen Chojnacki, R.N., and "Creative Imagery and Relaxation" by Deborah Barbour, R.N. B205 Life Sciences.

WEDNESDAY, MARCH 31, 1982

8 a.m. Departments of Medicine and Pathology colloquium: "Genetic Counseling," by William Young, Ph.D., Michigan Department of Public Health. B205 Life Sciences.

FRIDAY, APRIL 2, 1982


SATURDAY, APRIL 3, 1982

8 a.m. "Symposium on Infectious Disease." Registration fee is $25 for non-DOHC physicians, $15 for DOHC physicians, free for physicians in training. Detroit Osteopathic Hospital, 12523 Third Ave., Highland Park. For information, contact Linda Braun, 313/252-4823.

WEDNESDAY, APRIL 7, 1982

8 a.m. Departments of Medicine and Pathology colloquium: "Breast Cancer: Specific Syndromes and Multifactorial Patterns," by James Higgins, Ph.D. B205 Life Sciences.

WEDNESDAY, APRIL 14, 1982

8 a.m. Departments of Medicine and Pathology colloquia: "Blood Groups and HLA Antigens" by Cindy Murray, M.T. (ASCP), director of technical services, American Red Cross Regional Center, and "Factor IX Concentrates Used in Treatment of Hemophilia" by Chuck Bill, Ph.D. B205 Life Sciences.


WEDNESDAY, APRIL 21, 1982

WEDNESDAY, APRIL 21, 1982

"Second Annual Day in Adolescent Medicine." Keynote speaker is Rick Jones, M.D., professor, Georgetown University. CME credit for D.O.s and M.D.s. Contact Sandy Kilbourn, A329 E. Fee, MSU-COM; 517/353-8822.

FRIDAY, APRIL 23, 1982


MONDAY, APRIL 26, 1982

"Advanced Muscle Energy Tutorial (Below Diaphragm)." Until April 30. Sponsored by MSU College of Osteopathic Medicine and College of Human Medicine. 40 hours CME credit for D.O.s and M.D.s. Contact Sandy Kilbourn, A329 E. Fee, MSU-COM; 517/353-8822. Kellogg Center, MSU.

WEDNESDAY, APRIL 28, 1982


WEDNESDAY, MAY 5, 1982


WEDNESDAY, MAY 12, 1982


WEDNESDAY, MAY 19, 1982

PROPOSED REAGAN BUDGET WOULD HAVE
DEVASTATING IMPACT ON MSU-COM STUDENTS

It is important to note that most of the major sources of aid for medical students are either being dramatically reduced or eliminated... If the Reagan proposals become fact, the only major source of funding for medical students will be the HEAL program with interest charged at the market rates from date of disbursal.

That is the terse statement of fact contained in a memo issued recently by Thomas A. Scarlett, Michigan State University director of financial aids, regarding the potential student aid reductions at MSU.

The proposed cuts in the Reagan budget are particularly crucial for students in the MSU College of Osteopathic Medicine, where more than 90% must go into debt to finance their medical education. The average MSU-COM student graduates with $40,000 worth of educational debt. (See "The Squeeze on Tuition Resources" in February 15 Communiqué.)

The two programs used most often by MSU’s medical students — the National Direct Student Loan Program and the Guaranteed Student Loan Program — are also among the hardest hit by the budget recommendations. The Reagan proposal would eliminate all federal allocations to the NDSL, leaving as the only funding source in this program the repayment of previously borrowed money. Approximately one-third of the money loaned from the NDSL at MSU goes to medical students.

The President’s recommendation that all graduate and professional students be entirely eliminated from eligibility for the Guaranteed Student Loan Program has "devastating effects," according to Scarlett, citing that the 2,500 graduate students at MSU have borrowed more than $9 million under that program this year.

"The Administration maintains that these students will be able to borrow under a new, more costly, program called the Auxiliary Loan to Assist Students (ALAS)," he said. "Unfortunately, most lenders have indicated an unwillingness to participate in the ALAS program."

In addition, Scarlett noted, Health Professions Student Loans and the National Health Service Corps Scholarship Program are both scheduled for elimination.

As a result, the Health Educational Assistance Loan (HEAL) would become the only major source of funding for medical students. Current interest rates for these loans exceed 19%, and interest is charged at market rates from the date of disbursal.

Thus the average medical student graduating from MSU-COM with $40,000 worth of debt would, at 19% interest, owe $533 a month to simply keep up with accruing interest payments.

At present there seem to be two courses of action to remedy the situation. Government officials, particularly in the Congress, can be made aware of the full ramifications of the projected student aid cuts before the proposed budget is implemented. In addition, there is increasing need for private scholarship and low-interest loan sources for medical students.
GERHARDT, HUNTER, HEIDEMANN
RECEIVE MSU'S HIGHEST FACULTY AWARDS

Of the 17 Michigan State University faculty members recently receiving the university's highest awards for teaching, research and public service, three were from the MSU College of Osteopathic Medicine.

Honored at MSU's annual awards convocation were Philipp Gerhardt, Ph.D., associate dean for research and graduate study and professor of microbiology and public health; John M. Hunter, Ph.D., professor in the Department of Geography, African Studies Center, and Community Health Science; and Steven R. Heidemann, Ph.D., assistant professor in the Department of Physiology.

Dr. Gerhardt, who has administered MSU-COM's research program since 1975, served as chairman of the Department of Microbiology and Public Health from 1963-75. A former president of the American Society for Microbiology, he is currently president-elect of the International Union of Microbiological Societies, an association of more than 100,000 scientists representing 50 countries.

He was cited with a Distinguished Faculty Award for achieving "an osteopathic medicine program internationally unsurpassed in either praise or performance," and for "intellectual challenges that have broadened the horizons of aspiring students and clarified the dilemmas of venerated authorities."

Dr. Hunter, professor in the Department of Community Health Science since 1972, was noted as "a recognized international authority in the field of public health." Frequently consulted by national and international health organizations, he serves on many continents, particularly Africa. He was cited as "keen in mind, splendid in spirit...the sincere representation of the accomplished academician." He too received a Distinguished Faculty Award.

Dr. Heidemann, a recent recipient of a coveted five-year Research Career Development Award from the National Institutes of Health, has been a member of the MSU faculty since 1978. He was recognized as "a superb lecturer and gifted teacher who has already established the foundation for an exceptionally prominent research career." As a junior faculty member, he was a recipient of the Teacher-Scholar Award.

All recipients of the faculty awards receive $1,000 checks from donations made by the University's alumni through the MSU Development Fund. Judging for the citations is done by a committee composed of faculty and students appointed by the provost.
POST-TRAUMATIC HEADACHE — STRESS AND
BIOMECHANICAL FACTORS: MARCH 20, 1982

A seminar on post-traumatic headache, focusing on both stress and biomechanical factors, will be cosponsored by MSU-COM and the Pain Research and Control Institute of the Southfield Rehabilitation Center.

To be held March 20 at the MSU Kellogg Center for Continuing Education, the program will include a review of headache disorders, biomechanical considerations in post-traumatic headache, stress and muscle contraction headaches, behavioral and psychotherapeutic management, nerve blocks and trigger point injections, the use of transcutaneous electrical nerve stimulation, cervical and cranial osteopathic manipulative techniques, and the use of biofeedback.

Speakers will include: Claude Oster, D.O., chief executive officer, Lawrence E. Jacobson, D.O., associate medical director, Arnold Kelz, D.O., psychiatrist, all of the Pain Research and Control Institute; Robert C. Ward, D.O., professor of biomechanics, MSU-COM; Barbara Briner, D.O., director of osteopathic manipulative services, Lansing General Hospital; and Vidyachandra R. Vakhariya, M.D., anesthesiologist, Henry Ford Hospital.

The program is supported in part by contributions from Ciba-Geigy; Merck, Sharp and Dohme; and Todd Medical, Inc.

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SECOND ANNUAL "DAY IN ADOLESCENT MEDICINE"
APRIL 21 AT ST. LAWRENCE HOSPITAL

Although the teenage years tend to be a relatively healthy period within the span of human life, adolescence is the only age group in the United States for which the death rate is rising. Certain problems arising either from disease, accident or societal influences affect the day-to-day functioning of numerous adolescents, and in some their ability to fulfill their anticipated potential.

The St. Lawrence Hospital Second Annual Day in Adolescent Medicine will explore the wide range of causes of morbidity and mortality during adolescence. Health care providers and others concerned with helping teenagers develop to their fullest potential will be presented with material to aid in developing a better understanding of the medical, developmental and social causes and characteristics leading to impairment of functioning or death in teenagers.

This one day conference will feature keynote presentations by Rick Jones, M.D. an adolescent medicine specialist from Georgetown University. There will also be a series of morning and afternoon workshops.
The conference will be held from 8:30 a.m. to 4 p.m., Wednesday, April 21, at St. Lawrence Hospital Auditorium, 1201 Oakland, Lansing. Pre-registration fee is $40 for physicians, $15 for others; registration at the door is $50 for physicians, $20 for others. Lunch and coffee are included. CME credit for both D.O.s and M.D.s is available.

For further information call or write the vice president for nursing, 1210 W. Saginaw, St. Lawrence Hospital, Lansing, Michigan, 48915; 517/377-0505.

"Research News"

IMPORTANT NEW NIH RESEARCH PROGRAM:
NUTRITIONAL SUPPORT OF THE PATIENT

An important new program through the National Institutes of Health will emphasize clinical as well as basic research aspects of nutritional support of patients.

The mechanism of support for this program will be the grant-in-aid, and application will be reviewed on a nationwide basis in accord with the usual NIH peer review procedures. Applications will be accepted July 1, March 1, and November 1. Investigators considering applying for grants should contact a representative of the appropriate Institute to obtain guidelines and instructions. Their names, addresses and phone numbers are available in the NIH Guide of February 26. A copy is available in the MSU-COM Office of Research and Graduate Study. Applications should be submitted on form PHS 398, which is available in the MSU business or grants and contracts office.

The National Heart, Lung, and Blood Institute is seeking research applications on the impact of nutritional status on defense functions in the adult and developing lung, including resistance to pulmonary infections and prevention of muscle fatigue for patients with acute and chronic pulmonary diseases.

The National Institute on Aging provides support for biomedical, social, and behavioral research and research training in the areas of diet and nutrition (both basic and clinical) as these relate to the aging process and needs of the aged individual. Consequently, the NIA is seeking studies that focus on enteral and parenteral nutritional support in elderly patients in acute and long-term care facilities.

The National Institute of Allergy and Infectious Diseases supports research into the interaction of nutrition, infection and immunity. Malnutrition affects immunocompetence and resistance to infection, but the precise mechanisms mediating such changes must be clarified.

The National Institute of Arthritis, Diabetes, and Digestive and Kidney Diseases supports a broad range of investigations on the nutritional support of the patient. These may be primary nutrition-centered as well as organocentric and disease-oriented studies.

The National Institute of Child Health and Human Development is seeking studies that focus on the role that nutrition plays in early development. Particular emphasis is placed on nutritional support of the low-birth-weight infant and nutritional management of certain disease states of infancy and childhood.

The National Institute of General Medical Sciences wants to expand the basic research on the body's systemic response to accidental injury, including burns, in order ultimately to improve patient care, prevent death, speed recovery, and lessen the extent of disabilities. One area of emphasis within the program relates to studies on the metabolic and nutritional response to injury.
CARCINOGENESIS LAB RECEIVES FELLOWSHIPS
FROM MICHIGAN OSTEOPATHIC COLLEGE FOUNDATION

The Michigan Osteopathic College Foundation (MOCF) has provided three-year supplemental stipend support for postdoctoral fellows in the MSU College of Osteopathic Medicine's Carcinogenesis Laboratory.

The award is expected to total $43,750 — $15,000 for 1982, $15,000 for 1983, and $13,750 for 1984. The money will be used to supplement by $2,500 each the stipends of six postdoctoral fellows each year.

"We are most appreciative to the MOCF for these awards because they allow us to be competitive in attracting strong postdoctoral fellows for our program," said J. Justin McCormick, Ph.D., co-director of the laboratory. "Basic stipends for these fellows, funded through grants from the National Institute of Environmental Health Sciences and the National Cancer Institute, are only $13,380 for persons just having received their Ph.D. degrees.

"Because postdoctoral workers are the backbone of our research program, the supplement is an important resource for the quality of both our scientific efforts and our training program," he said.

The recipients, designated Michigan Osteopathic College Foundation Fellows, include: Ann E. Aust, James R. Ball, Norman R. Drinkwater, Jeff Howell, Ernest Retzel, and Jeff Wigle.

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APRIL 2 DEADLINE FOR NEXT ROUND
OF GENERAL RESEARCH SUPPORT GRANTS

Application for the competitive General Research Support Grants through the College of Osteopathic Medicine must be received by the Office of Research and Advanced Study by Friday, April 2. Awards will be made by July 1.

The program is designed to help the start-up of pilot projects that have promise of extramural funding, to encourage research particularly relevant to osteopathic medicine, and to meet unique needs which require local flexibility for funding.

Grant applications are reviewed on the basis of scientific merit of the project and its investigators, with greatest priority given to those faculty whose primary appointment is within MSU-COM.

Continuing opportunities are provided at any time for grant applications in amounts less than $1,000 or for true emergency needs.

More than $68,000 in General Research Support Grants were awarded to MSU-COM researchers in January. A reserve of $74,428 remains for the spring competition, funded by a National Institutes of Health Biomedical Research Support Grant.

Since inception of the program, every dollar invested in seed grants awarded from the College has generated more than $10 in annual returns from new externally funded grants. External grants for research at MSU-COM now amount to more than $4,000,000 annually.

Application forms and instructions are available through each departmental office, and additional information and assistance in preparation are available through Philipp Gerhardt, Ph.D., associate dean for research and graduate study, A317 E. Fee Hall, 517/355-9611.
LECTURES ON HEALTH OF OLDER ADULTS
SCHEDULED AT MSU CLINICAL CENTER

A series of four monthly lectures on health maintenance of older adults opened Monday, March 8, at the MSU Clinical Center. Sponsors of the free lectures are the Michigan Health Council in cooperation with MSU's College of Osteopathic Medicine, College of Human Medicine, College of Nursing and Executive Committee on Aging.

The opening lecture, "Growing Older and Staying Healthy," was given by Charles S. Wolfe, executive vice president for the Jewish Home for the Aged in Michigan, Detroit.

Upcoming topics include:
April 12: "Getting Older and Growing—Let Your Community Help"
   by Kay Hollers, R.N., M.P.H., Visiting Nurse Services
   Ellen Tharp, R.N., Ph.D., Senior Day Time Center
   Marilyn Nagy, Ph.D., expert on economics of aging

May 10: "Health Concerns of the Aging"
   by Raymond Murray, M.D., Department of Medicine, MSU
   Herbert J. Oser, Ph.D., Audiology and Speech Sciences, MSU
   Donald H. Briner, D.O., Department of Internal Medicine, MSU

June 7: "Keeping a Keen Edge — Mental Health Concerns of the Aging"
   by James G. O'Brien, M.D., College of Human Medicine, MSU
   Gerald G. Osborn, D.O., College of Osteopathic Medicine, MSU

All presentations are held at 7 p.m. in the Clinical Center auditorium. Wheelchair and elevator service to the auditorium are provided, and free adjacent parking is also available.

* * * *

MEDICAL STUDENTS PROVIDE
FREE IMMUNIZATIONS AT CLINICAL CENTER

Free immunizations for children two months and older to provide protection against polio, measles, mumps, rubella, whooping cough, diphtheria and tetanus are provided the third Saturday of each month at the MSU Clinical Center.

The next clinic will be held from 9 a.m. to noon on Saturday, March 20, with free parking adjacent to the building.

Immunizations are administered by medical students from MSU's College of Osteopathic Medicine and College of Human Medicine under supervision of medical faculty and in cooperation with the Ingham County Health Department.

Immunization clinic coordinators Kenneth Stringer, D.O., and Dennis C. Murray, M.D. remind parents "not to wait until their children are required to be immunized for entry into school, thus leaving the children unprotected for the first four or five years of their lives when they are most susceptible to these diseases."

Also available will be tetanus shots and tuberculosis skin tests for adults, although the TB skin tests cannot be used to meet employment requirements. The Ingham County Health Department provides all materials and biological supplies at no cost.

MSU immunization clinics have been in operation at various sites in Lansing since 1970, and are the only free clinics of their kind open in the area on Saturdays. For further information, call 517/353-3002 weekdays, between 8 a.m. and 5 p.m.