Michigan State University

College of Osteopathic Medicine

1980
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This special issue of the "Communique" for the 1980
entering class was published by the Health and Medicine
Section, Department of Information Services, A314 E. Fee
Hall, 517/353-0820. Cover art by Val Johnson.
MSU-COM First Public Osteopathic College

The Michigan State University College of Osteopathic Medicine was the first university-affiliated and state-supported school of its kind, established by public act of the Michigan legislature in 1969.

It had originally been chartered privately in Pontiac by the Michigan Association of Osteopathic Physicians and Surgeons, who since 1959 had been seeking to eliminate the critical shortage of health care professionals in the state.

After legislative action, the College was transferred to MSU's East Lansing campus as a state-supported institution and enrolled its first class in 1971.

Michigan Provides Healthy Environment for Osteopathic Profession

The state of Michigan has provided a healthy environment for the growth and development of the osteopathic profession.

More osteopathic physicians — more than 3,000 at last census — are licensed in Michigan than in any other state in the union, and constitute approximately 16% of Michigan's physicians.

These physicians have been notable not only for their quantity but for the quality of their commitment. Recognizing the state's need for family physicians, especially in rural areas, they began through personal contributions the forerunner of MSU-COM — the Michigan College of Osteopathic Medicine in Pontiac. They have continued to support osteopathic education through their gifts to the Michigan Osteopathic College Foundation, which provides funds for continuing medical education programs, scholarship and loans for osteopathic students, research, the dean's fund and other programs at MSU-COM, and other unrestricted grant programs.

After the move of the College of Osteopathic Medicine from Pontiac to East Lansing, the facilities were retained as the Michigan Center for Continuing Education in Osteopathic Medicine, a unique institution. The Center supports a myriad of programs for osteopathic physicians and other health professionals, provides library and laboratory facilities for self-study, offers meeting rooms to members of the profession, and sponsors exhibits and other media for osteopathic education.

During the last year, the more than 50 programs at the Center have included the presentation of scientific papers and clinical programs. More than 2,600 physicians attended continuing medical education programs at Pontiac during 1979-80, receiving a total of more than 22,000 CME credits. Three national medical organizations also held their annual meetings at the Center. Students are welcome to attend any of the programs at no charge.

There are 31 osteopathic hospitals in Michigan, providing nearly 5,000 beds and a wide variety of treatment modalities and outpatient services.

The Michigan Association of Osteopathic Physicians and Surgeons, associated with the American Osteopathic Association, includes 20 component societies across the state.
Michigan State University Is World’s Only Institution Awarding D.O., M.D., and D.V.M. Degrees

Michigan State University College of Osteopathic Medicine is unique in that it jointly administers its biological science, behavioral science and some clinical departments with two other schools of medicine on the campus—the College of Veterinary Medicine, which was established in 1910, and the allopathic College of Human Medicine, established in 1966 and so named in deference to its veterinary predecessor.

Departments jointly administered with the College of Osteopathic Medicine include Anatomy, Anthropology, Biochemistry, Biophysics, Community Health Science, Microbiology and Public Health, Pathology, Pharmacology and Toxicology, Physiology, Psychiatry, Psychology, Radiology, Sociology, Zoology, the Office of Medical Education Research and Development, and the School of Medical Technology.

MSU College of Osteopathic Medicine a National Catalyst in Osteopathic Education

Michigan State University's College of Osteopathic Medicine—founded in 1969 as the first new osteopathic educational institution in the United States in more than 50 years—has been instrumental in the establishment of younger osteopathic colleges and influential in their programs for medical education.

Within the last six years, top administrators for four of the nation's new colleges of osteopathic medicine have come from the MSU college: Dr. John Barson, president at the Oklahoma College of Osteopathic Medicine and Surgery; Dr. Ralph Willard, dean of the Texas College of Osteopathic Medicine; Dr. Gerald Faverman, former acting dean of the Ohio College of Osteopathic Medicine; and Dr. Kirk Herrick, dean of West Virginia School of Osteopathic Medicine. In addition, Dr. Fred Tinning, assistant dean for planning at MSU-COM, served as acting dean during the start-up of the New Jersey School of Osteopathic Medicine.

Colleges established before MSU-COM include the Kirksville College of Osteopathic Medicine (1892), the Philadelphia College of Osteopathic Medicine (1899), the College of Osteopathic Medicine and Surgery at Des Moines (1898), the Chicago College of Osteopathic Medicine (1900), and the Kansas City College of Osteopathic Medicine (1916).

Osteopathic educational institutions founded after MSU-COM include the Texas College of Osteopathic Medicine (1970), the Oklahoma College of Osteopathic Medicine and Surgery (1972), the West Virginia School of Osteopathic Medicine (1972), and the Ohio College of Osteopathic Medicine (1975).

The New York College of Osteopathic Medicine and the New Jersey School of Osteopathic Medicine opened their doors to students in 1978. Two other schools—one in New England and one in California—have received preaccreditation status from the American Osteopathic Association.
Off-Campus Clinical Training

Much of the clinical training of students in the College of Osteopathic Medicine is made possible through clinics, ambulatory care centers, and community hospitals affiliated with the College.

Clinical experiences are offered to students in modules at the MSU Clinical Center, in affiliated hospitals, in physician-preceptor offices, and at the Family Medicine Clinic at Ingham Medical Center in Lansing.

Students also take clinical clerkships, including ambulatory and inpatient care, in community hospitals and health care agencies formally affiliated with the College, and in physicians' offices as part of the Junior Partnership Program.

Affiliated hospitals include Bi-County Community Hospital, Warren; Botsford General Hospital, Farmington; Carson City Hospital (Osteopathic); Detroit Osteopathic Hospital; Flint Osteopathic Hospital; Garden City Osteopathic Hospital; Grand Rapids Osteopathic Hospital; Jackson Osteopathic Hospital; Lakeview General Hospital, Battle Creek; Lansing General Hospital; Martin Place Hospital; Madison Heights; Mt. Clemens General Hospital; Osteopathic Hospitals of Detroit; Pontiac Osteopathic Hospital, Riverside Osteopathic Hospital, Trenton; Saginaw Osteopathic Hospital; Traverse City Osteopathic Hospital.

Preceptorship Training at MSU-COM

One afternoon a week, first- and second-year students from the College of Osteopathic Medicine leave their classrooms to observe osteopathic primary care physicians at work. The students are each assigned to either one of the MSU-COM preceptors or to one of the ambulatory care clinics supervised by clinical faculty from the Department of Family Medicine.

Students receive this clinical training in a variety of primary care settings that vary from inner city clinics to suburban or rural practices. These five-term, one-credit preceptorship experiences are designed to reinforce and coincide with didactic learning occurring in the on-campus medical training. After each preceptorship course the students are prepared to enter the next clinical experience in the series. Each succeeding experience increases in complexity, and the students are expected to assume greater responsibility with each term. Upon completing all five terms of the Preceptor Program, the students are ready to enter into the Junior Partnership experience with family physicians for concentrated, in-depth clinical training in family medicine.

John Bell, D.O., and Margot Kurtz, Ph.D., are co-directors of the programs.
Fee Hall Facilities

Media Services Provide Instructional Materials, Equipment

Students have ready access to a growing library of instructional media in the carrel room. Included are audiotapes, videotapes, slides and slide/tapes, films and some print materials. A large number of simulation devices are also available for individual and group use. Lectures are recorded on audiotape and are available in the carrel room, almost immediately. Individual students can secure their own copies of these lectures through the duplication service.

A small color television production unit is used in producing programs for use in teaching. Portable equipment is used to videotape certain student learning activities. Video materials are distributed to the classrooms electronically or with portable videotape playback units. A range of classroom audiovisual equipment as well as special devices are distributed and maintained through Media Services.

Quiet Study Area Includes Carrels, Journals, Microfiche

A quiet study area (E-4) is located for health professions students next to Fee snack shop.

The area includes carrels equipped with slide projectors, videotape decks and recorders, books, journals, free monographs, microfiche, microscopes, and assigned readings. Thirty to forty medical journals are available for student and faculty use in E-6, the Clinical Simulation Laboratory Room. It is open the same hours as E-4.

Summer hours for the student area are:

<table>
<thead>
<tr>
<th>Days</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Mondays-Thursdays</td>
<td>9 a.m. to 10 p.m.</td>
</tr>
<tr>
<td>Fridays</td>
<td>9 a.m. to 5 p.m.</td>
</tr>
<tr>
<td>Saturdays</td>
<td>12 p.m. to 5 p.m.</td>
</tr>
<tr>
<td>Sundays</td>
<td>2 p.m. to 8 p.m.</td>
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</tbody>
</table>

“Alimentary, My Dear Watson…”

Faculty, students and staff who succumb to cravings from the interior during their tenure at Fee Hall often seek respite in the basement snack shop.

The menu ranges from breakfast dishes such as eggs, bacon, doughnuts, orange juice and coffee to lunch specialties such as giant subs, burgers, soups, fish and chips, salads and daily specials. For inveterate snackers, there is an ample supply of fresh fruit, pastries, chips, yogurt, ice cream and milk shakes.

The shop also offers an in-house catering service for luncheons or snacks though advance notice is needed.

During summer term the Fee snack shop will be open from 7:30 a.m. to 3:30 p.m. For information, call 353-1995.
Faculty Development Programs Assist Physician-Teachers

Assisting faculty to make the transition from medical practitioners to teachers, as well as helping all faculty to gain or enhance teaching skills, are the goals of the Faculty Development Program under the direction of Celia B. Guro, Ph.D., assistant to the dean.

Included in the program are teaching strategies, development of evaluation tools, administration skills, time management, and interpersonal skills.

In developing the program, Guro utilized the expertise of individuals from within the College and throughout the University.

Strong Research Emphasis at MSU College of Osteopathic Medicine

Because it is part of a major university, MSU's College of Osteopathic Medicine has had an opportunity unique among the nation's osteopathic schools to make a strong commitment to research. The College's research effort, which is not limited to uniquely osteopathic topics, extends to all of the biological and clinical departments and to several interdepartmental programs.

Research in the biological science departments (such as anatomy, biochemistry, microbiology, physiology, etc.) is supported by millions of dollars in funding from private and public agencies. These departments, which are jointly administered by other colleges as well, are well established and account for much of the College's research effort.

The Department of Biomechanics research is concentrated in the properties of tissues, their interaction as a support system, the dynamics of motion, and clinical applications related to diagnostics and therapy of this system. A systems anthropometry laboratory provides the capability to measure, three dimensionally, the centers of joint motion and the motion of specific landmarks in the body. The tissue biomechanics laboratory consists of a specially built hydraulic testing machine with computer control capable of imposing various load or deformation patterns upon tissue and monitoring the response.

The Carcinogenesis Laboratory of the College is exploring the cancer-causing effects of chemical and environmental agents on DNA and mutation rates. This interdisciplinary research is funded by major grants from the National Cancer Institute, American Cancer Society and Department of Energy.

Another example of interdisciplinary research occurs in the Neurosciences Program, which spans a number of departments and is administered by the College.

Pilot studies by College researchers are funded by seed monies from the College and NIH. Grants awarded since 1975 have increased tenfold in new externally funded grants. A continuation NIH grant of more than $60,000 will be distributed in the fall.
Graduate Program
Focused on Ph.D./D.O. Study

The Michigan State University College of Osteopathic Medicine was the first osteopathic medical school to award Ph.D. and master's degrees in addition to the D.O. degree.

Opportunities for combined Ph.D./D.O. study are offered in the College's unique Medical Scientist Training Plan, developed to meet the national need for well-trained osteopathic medical scientists and educators. Traineeships are available competitively.

The plan includes four programs for

I. Students holding a bachelor's or master's degree and pursuing D.O. and Ph.D. degrees simultaneously.
II. Students holding the Ph.D. degree and pursuing the D.O. degree.
III. Students holding the D.O. degree and pursuing the Ph.D. degree.
IV. Short-term research training for students pursuing the D.O. degree without Ph.D. study. Program IV is attractive for D.O. students who want to explore or continue research but not pursue a graduate degree. Traineeships are available competitively for an off term per year, usually in summer.

Units participating in the Plan include the Departments of Anatomy, Anthropology, Biochemistry, Biomechanics, Biophysics, Community Health Science, Family Medicine, Microbiology and Public Health, Osteopathic Medicine, Pathology, Pediatrics, Pharmacology and Toxicology, Physiology, Psychiatry, Psychology, Radiology, Sociology, Zoology and the Carcinogenesis Laboratory, the Genetics Program, the Office of Medical Education Research and Development, the Medical Humanities Program, the School of Medical Technology, and the Neurosciences Program.

1979-80: College of Osteopathic Medicine Year in Review

June 1979

Cecil Mackey, who had been president of Texas Tech University, was named the 16th president of MSU by the Board of Trustees. He succeeded Dr. Edgar L. Harden.

One hundred and four persons — including 38 women and 66 men — were honored participants in the 1979 College of Osteopathic Medicine hooding ceremonies in MSU's Fairchild Theatre.

Bernard M. Kay, D.O., who had been professor and chief of the Division of Pediatrics in the Department of Osteopathic Medicine, was named chairman of the fledgling Department of Pediatrics.

Eighty-one of the 95 MSU-COM graduates beginning internships chose to practice in Michigan.

The largest entering class in the history of MSU-COM was comprised of 43 women and 82 men, who held 123 baccalaureate, 22 masters, and one doctoral degree in their premedical work.
July 1979

Michigan State University provided more applicants to colleges of osteopathic medicine than any other institution in the nation, according to a report released by the American Association of Colleges of Osteopathic Medicine.

More than 100 students, faculty, staff and their families turned out for the annual College picnic sponsored by the Students' Associates Auxiliary.

Donald Siehl, D.O., president of the American Osteopathic Association, discussed with MSU-COM students the need to increase the number of osteopathic internships.

August 1979

Second- and third-year students and faculty from MSU-COM volunteered their time to provide much-needed medical care to migrant farm workers in Clinton County.

A record 114 pints of blood were collected from the College of Osteopathic Medicine in a drive sponsored by Sigma Sigma Phi and the Student Osteopathic Medical Association.

The Council of Medical Students was established, with representatives from MSU-COM, the College of Human Medicine, and the College of Veterinary Medicine.

Physical examinations were given to 95 students from Webberville High School by medical students and faculty from MSU-COM.

September 1979

The first alumni reunion and scientific seminar included a medical update, social activities, and the MSU-Oregon football game.

An orientation reception to honor new faculty to the College was held at the University Club.

The evaluation of athletic injuries was the focus of a symposium held at MSU for physicians, coaches and trainers.

A series of workshops to increase the professional skills of faculty was begun as part of the College's Faculty Development Program.

Special services for persons who had donated their bodies to the Willed Body Program were held at East Lawn Memory Gardens.

October 1979

Ruth S. Hanft was the keynote speaker at the October 26 convocation. She and W. C. Andreen, D.O., Donald J. Evans, D.O., Eugene L. Sikorski, D.O., and Michael J. O'Brien (posthumously) received the Walter F. Patenge Medals of Public Service.

Charles C. Sweeley, Ph.D., professor of biochemistry since 1969, was named chairman of the Department of Biochemistry. He succeeded Robert Barker, who joined the faculty at Cornell University.

The clinic staffed by MSU-COM pediatricians for the Ingham County Probate Court won the U.S.A. Achievement Award of the National Association of Counties.

More than 100 persons attended an MSU-COM open house sponsored by the Office of Admissions.

November 1979

Walter F. Patenge, chairman of the Michigan Osteopathic Medicine
Advisory Board and a long-time supporter of the osteopathic profession, received the highest award of the American Osteopathic Hospital Association.

MSU-COM was well represented at the American Osteopathic Association convention in Dallas. Edgar L. Harden, past president of MSU, gave the major address.

**December 1979**

The first Ph.D. degree ever to be administered by an osteopathic medical school was awarded to microbiologist Robert W. Stieber through the Michigan State University College of Osteopathic Medicine.

Thirty-five persons attended a national workshop on basic principles of manual medicine at MSU's Kellogg Center.

**January 1980**

A program on biophysical aids to osteopathic diagnosis, including a presentation by Elmer Green of the Menninger Foundation, was sponsored by the Department of Biomechanics Advance Study Group.

MSU was awarded a $1.5 million grant from the National Institute of Allergy and Infectious Diseases to support for five years an interdisciplinary team studying tropical diseases.

Lawrence M. Jarrett, D.O., medical director of MSU's Olin Health Center, was honored at the dedication of a new 74,000-square-foot addition to Lansing General Hospital.

More than 200 medical students from MSU-COM met with representatives of osteopathic hospitals at the second annual Internship Information Program.

**February 1980**

Jane Waldron was named Unit III coordinator for the College of Osteopathic Medicine.

MSU-COM students offered free physicals to senior citizens in clinics at the Lansing Civic Center.

**March 1980**

A program on the unique problems of managing the pain of cancer was held at MSU's Kellogg Center.

The Department of Pediatrics sponsored a continuing medical education program on fluid and electrolyte disorders in children.

MSU expanded its health care to students by opening two clinics in Brody and Hubbard Hall residence complexes.

A series of lectures on the importance of DNA excision repair in preventing cancer included several internationally prominent speakers.

A series of lectures on medical nutrition was begun by medical students.

**April 1980**

Traverse City Osteopathic Hospital became formally affiliated for clinical training with the MSU College of Osteopathic Medicine.

Jerry B. Hook, Ph.D., professor of pharmacology and toxicology, was named the first director of MSU's Center for Environmental Toxicology.

**May 1980**

A three-day workshop on the use of electron microscopy in diagnosis
was held by the Department of Pathology at the Clinical Center.

MSU-COM personnel were highly prominent at the annual conference of the Michigan Association of Osteopathic Physicians and Surgeons, giving numerous educational presentations. The College and its alumni also sponsored a hospitality room, an exhibit, and an alumni luncheon.

The 1980 Fee Follies, including skits, songs, bands and general nonsense, were held in the MSU Union.

The second lecture honoring the memory of physiology professor James M. Schwinghamer was given by Robert F. Bond, chairman of the Department of Physiology at the Kirksville College of Osteopathic Medicine.

Brigitte Jordan, assistant professor of anthropology, received the Margaret Mead Award from the Society of Applied Anthropology.

Medical Schools—Fee Hall

College of Osteopathic Medicine
Office of the Dean
College of Human Medicine
Office of the Dean
College of Veterinary Medicine
Office of the Dean
Academic Affairs COM
Admissions COM
Alumni Information COM
Anatomy Department
Anatomy Learning Center
Biomechanics
Business Office COM
Carcinogenesis Lab COM
Carrel Room COM
Child Psychiatry
Community Affairs COM
Community Health Science
Computer Service COM
Copy Center
Counseling & Growth Center
Educational Resources COM
Electron Microscopy Lab COM
Faculty Development COM
Family Life Referral Clinic
Family Medicine Department
Fee TV COM
Info. Serv./Hlth. & Med. Sec.
University Center for Intl Rehab.
Lab Animal Care Service
Mail Room
Medical Humanities
Microbiology Lab
OMERAD
Osteopathic Medicine Department
Pathology Chmn

A308 5-9611
A118 3-5070
A133 5-6509
A309 5-9611
C110 3-7740
A333 3-8822
A519 3-6380
E102 5-6380
A419 3-9110
A302 3-5470
B609 3-7786/7
E 4 3-0752
B115 5-4556
A306E 3-6730
B415 3-3200
A327A 3-6669
E111 3-6667
B111 3-5260
A331 3-4734
C 18 5-1698
A336 3-7285
B101 5-5763
B201 3-4730
C 12 5-4546
A329A 3-8822
A314 3-0820
D201 5-1824
C 10 3-9651
E113 3-2242
A110 5-7550
E216 3-4605
A217 3-7791
B305 3-8470
A522 5-6504

Note: The Fee Hall Complex (East, West) is divided into 5 wings. Each wing is identified with a letter: A - B - C - D - E. The letter preceding the room number indicates the wing in which an office is located. See diagram above.
Administrative Officers

MYRON S. MAGEN, D.O., dean: overall administrative responsibility for the college.

CELIA B. GURO, Ph.D., assistant to the dean: handling of administrative matters, directing faculty development programs, and responsibility for college wide functions such as self-study and retreats.

PHILIPP GERHARDT, Ph.D., associate dean for research and graduate study: delegated administrative responsibility for research affairs including the general research support program, extramural grants and contracts, and the carcinogenesis and electron microscopy laboratories; and for graduate-study affairs including M.S. and Ph.D. degree programs, the medical scientist (Ph.D., plus D.O. degree) training plan, and the neuroscience program.

PHILIP E. GREENMAN, D.O., associate dean for academic affairs: administrative management of the total academic program, including administration of the curriculum as defined by the Curriculum Committee and as implemented by the academic units to which instruction is assigned; responsibility for all College (OST) interdisciplinary courses; liaison for decentralized clinical faculty and the campus-based College programs, including supervision of affiliation agreements with community hospitals.

ROBERT R. FEDORE, Ph.D., assistant dean for student affairs: administration of all student support services tangential to the academic program for the College, including admissions, enrollment and registration, student records, promotion and retention; certification for graduation, licensure and staff privileges; academic advisement, counseling, and exceptional academic support services.

BRUCE L. MILES, Ph.D., director, educational resources: provides consultative services to faculty in the design, development and implementation of instructional systems and materials. Supervises numerous student-faculty media support and production facilities.

GAIL RIEGLE, Ph.D., assistant dean for curriculum: supervises academic support for faculty, students and the Curriculum Committee, including scheduling, student evaluation and program evaluation.

JAMES P. HOWARD, M.P.H., assistant dean for community affairs: maintenance of liaison with community organizations and agencies that relate or impinge upon medical education. He also represents the College as a professional resource to community agencies and groups involved in health care delivery or community health development.
DONALD E. McBRIE, D.O., assistant dean for graduate and continuing medical education: planning and implementation of graduate and continuing medical education programs for the College. Also, coordinator, undergraduate clinical medical education.

FRED C. TINNING, Ph.D., assistant dean for planning: planning for the College's program operation, including program budget, fiscal planning and projection, program and resource development and utilization, program analysis, including costs assessment, computer utilization, and basic systems assessment.

FRANCIS A. BERNIER, Ph.D., director of admissions: provision of information about the College to premedical advisers in colleges and universities, to prospective students, and to practicing physicians; administration of the admission of students into the program.

DON E. COLEMAN, Ph.D., director of minority support program: recruitment, counseling and retention of minority students in the College of Osteopathic Medicine.

ANNETTE KABARA, fiscal officer: planning and supervision of fiscal management and budget projections and monitoring, review of staff and equipment requirements, and preparation of financial statements. Line responsibility for the unit of professional services.

ROBERT C. WARD, D.O., F.A.A.O., director of special projects: program planning and design, including the ambulatory care program for the Clinical Center; writing grants and designing college-wide programs for clinical training that emphasizes integration of osteopathic principles in patient care.

JANE A. WALDRON, unit three coordinator: coordination of clinical clerkships, liaison with directors of medical education in affiliated hospitals, and liaison of Unit III students.

LUCIA M. PALACIOS, coordinator for academic advisement: centralizing academic advisement, including monitoring routine drops and adds, curricular modifications, curricular program enrichment, and dissemination of consistent information relative to course requirements; facilitating the enrichment of the Faculty Adviser Program.
Student Organizations

Student Osteopathic Medical Association

A new chapter of the Student Osteopathic Medical Association, a national service organization of osteopathic medical students, was organized at the MSU College of Osteopathic Medicine in 1977.

On the national level, SOMA represents more than 70% of the osteopathic medical students, and has been involved in activities ranging from testimony before Congress on matters of concern to medical students to changing references to osteopathic medicine in the recent MCAT questionnaire.

Local chapter activities have included a major continuing medical education seminar for osteopathic physicians on human sexuality, hypertension screening, participation in orientation programs, health appraisal examinations and health education lectures in schools.

Officers for the 1980-81 year are Charlene Greene, president; Gary Gulish, vice president; Cathy Kroll, secretary; Rich Below, treasurer; and Tim Kowalski, national representative.

Sigma Sigma Phi

Sigma Sigma Phi, a national osteopathic fraternity, began its Iota chapter at the MSU College of Osteopathic Medicine in 1977.

A primary goal of the chapter is service through community health programs. Activities sponsored by the fraternity have included a continuing medical education symposium focusing on the major nutritional problems encountered by general practitioners, a Red Cross blood drive, a blood pressure screening clinic in the community, and athletic physicals in local high schools. Recently, they have developed a system whereby students can purchase their medical books at a reduced price. The organization has also sponsored a series of national board review lectures which help second year student prepare for Part I of the national boards.

Officers for the 1980-81 school year are Jim Hess, president; Cindy Manninen, vice president; John Peters, secretary, Clarita Ketels, treasurer; and Carl Harlan, editor.

Grand Chapter president Roy J. Harvey, D.O., professor of family medicine, is adviser of the group.

Undergraduate American Academy of Osteopathy

The Undergraduate American Academy of Osteopathy (UAAO) is an educational service organization which focuses on the manipulative and
holistic aspects of osteopathic medicine, providing both didactic and "hands on" experience.

Recent activities included lectures on stress, nutrition, non-pharmacological approaches to heart disease, hypnosis, and alternative birth methods. Ongoing study groups were held in OMT, cranial manipulation, applied kinesiology and acupuncture. The organization has also provided the opportunity for students to gain work experience with manipulation in hospitals.

The present coordinators of the UAAO are Dan Bensky and Jane Harris; treasurer is Annick Howard. Adviser is Robert C. Ward, D.O., director of special projects, and professor in the Office of Medical Education Research and Development.

Student Chapter: MAOGP/ACGPMOS

The MSU-COM student chapter of the Michigan Association of Osteopathic General Practitioners/American College of General Practitioners in Osteopathic Medicine and Surgery was organized to promote a greater awareness and appreciation of general practice, and is open to all osteopathic students.

Student-planned events for the past year have included seminars on how to deal with cases of child abuse and sexual assault, as well as sessions on cardiopulmonary resuscitation (CPR).

Officers of 1979-80 are Judy Annen and Tom Turcotte, co-presidents; and Pattie Roy, treasurer. Elections for 1980-81 officers will be held in July 1980.

Students’ Associates Auxiliary

The MSU-COM Students' Associates Auxiliary was organized to provide a means for those new to East Lansing, to MSU, and to "medical matrimony" to share experiences and meet common needs.

The club, made up primarily of spouses of students, participates in various service projects, holds educational and informational monthly programs and organizes various social functions.

Activities have included an annual orientation program for spouses of new students, an all-school picnic, a clothing drive for migrant workers, educational programs on the osteopathic profession, and sessions on self-defense, ballet and Parent Effectiveness Training.

Officers for 1980-81 include Barb Fici, president; Melodie Dregansky, vice president; Teresa Perez, secretary; and Gail Tenorio, treasurer.

Clinical Departments Provide Basis for Medical School Education and Service

Four departments are administered solely by the Michigan State University College of Osteopathic Medicine.

Department of Biomechanics

The Department of Biomechanics was established as a research entity to perform both basic and applied clinical studies into the interrelationship of the body's structure and function. Faculty also participate in the teaching of palpatory diagnosis and manipulative technique.
The departmental office is located in A419 Fee Hall, phone 353-9110. Chairman is Robert Little, Ph.D.

Resident faculty include:

- Myron C. Beal, D.O.
- Jean B. Burnett, Ph.D.
- John P. Goodridge, D.O.
- Philip E. Greenman, D.O.
- Richard Hallgren, Ph.D.
- Robert P. Hubbard, Ph.D.
- William L. Johnston, D.O.
- Jon J. Kabara, Ph.D.
- Eloise Kuntz, Ph.D.

- Youram Lanir, Ph.D.
- Robert W. Little, Ph.D.
- David G. McConnell, Ph.D.
- Fred L. Mitchell Jr., D.O.
- James J. Rechtien, Ph.D.
- Ernest Retzlaff, Ph.D.
- Herbert M. Reynolds, Ph.D.
- Richard Roppel, Ph.D.
- John Upledger, D.O.

**Department of Family Medicine**

The Department of Family Medicine is involved in the teaching and practice of family medicine — the comprehensive and continuing responsibility for patients and members of their families, regardless of age.

The departmental office is located in B201 Fee; phone 353-4730. Chairman is Lynn F. Brumm, D.O.

- Margaret Ajunwa Aguwa, D.O.
- John Bell, D.O.
- Lynn F. Brumm, D.O.
- Gary Campbell, D.O.
- James J. Davis, D.O.
- Nicholas Fiel, D.O.
- Richard E. Griffin, D.O.
- Roy J. Harvey, D.O.
- Linda Hernandez, D.O.
- Lon A. Hoover, D.O.
- Shirley M. Johnson, Ph.D.

- Margot Kurtz, Ph.D.
- Jasper Lillie, D.O.
- John McNeil, D.O.
- L. A. Marohn, D.O.
- Daniel Raub, D.O.
- Kenneth Richter, D.O.
- JoAnne Shaltz, D.O.
- Gordon Spink, D.O., Ph.D.
- Matthew Terry, D.O.
- John Thornburg, D.O.
- Donald E. Waite, D.O.

**Department of Osteopathic Medicine**

The Department of Osteopathic Medicine is organized to represent all of the major clinical disciplines involved in the practice of osteopathic medicine. Its faculty are involved in the development of classroom, hospital, clinic and specialty programs.

The departmental office is located in B305 West Fee; phone 353-8470. Chairman is Walter C. Mill, D.O.

Resident faculty include:

- Henry Beckmeyer, D.O.
- Donald Briner, D.O.
- William Carnegie, D.O.
- John Costantino, D.O.
- Howard Dean, D.O.
- John Gobel, D.O.

- Earl Gonyaw, D.O.
- Walter Mill, D.O.
- Ralph Otten, D.O.
- George Ristow, D.O.
- Joseph Walczak, D.O.

**Department of Pediatrics**

The Department of Pediatrics departmental office is located in B301 West Fee Hall; phone 353-3100. Chairman is Bernard M. Kay, D.O.
Resident faculty include:

Gerard M. Breitzer, D.O.
Bernard M. Kay, D.O.
Myron S. Magen, D.O.
Kenneth Mahoney, D.O.
Merrilee Osborn, D.O.

Frank Schneiderman, D.O.
Lloyd Schneiderman, D.O.
Carla Smith, D.O.
Kenneth Stringer, D.O.
Ruth Worthington, D.O.

Four other clinical departments are administered jointly by the College of Osteopathic Medicine and the MSU College of Human Medicine. These include:

Department of Community Health Science

The Department of Community Health Science departmental office is located in B415 Fee Hall; phone 353-3990. Chairman is Sidney Katz, M.D.

Resident faculty include:

Cyril A. Akpom, M.P.H., M.D.
Francis A. Bernier, Ph.D.
Mary L. Brady, M.S.S.
Michael H. Branson, Ph.D.
Elaine Breck, M.P.H.
Marilyn R. Boger, M.S.
Dorothy Carnegie, D.O.
Anne C. Cunningham, Ph.D.
James M. Davis, M.P.H., M.D.
Bonnie Eftaxiadis, M.S.W.
Jean Elder, Ph.D.
Robert R. Fedore, Ph.D.
Donald Galvin, Ph.D.
Charles W. Given, Ph.D.
George A. Gross, D.O.
Celia B. Guro, Ph.D.
James P. Howard, M.P.H.
John M. Hunter, Ph.D.
Sidney Katz, M.D.

Kathryn M. Kolasa, Ph.D.
Mary H. Kroger, R.S.M., Ph.D.
James Lyon, M.P.H.
Donna Manezak, M.P.H.
Kalyni Mirsa, M.D., M.P.H.
Charles Maynard, M.A.
Joseph A. Papsidero, M.P.H., Ph.D.
Joseph Patterson, Dr. P.H.
Elba M. Pung, M.D.
Elianne K. Riska, Ph.D.
Robert K. Richard, Ph.D.
George F. Sargent, Ph.D.
Ira L. Snider, D.O., J.D.
Robert J. Sprafka, Ph.D.
Robert D. Stevens, Ph.D.
Howard D. Stoudt, Ph.D.
Donald C. Tavano, Ph.D.
Fred C. Tinning, Ph.D.
W. Donald Weston, M.D.

Department of Pathology

The Department of Pathology departmental office is located in A522 E. Fee Hall; phone 353-6504. Acting chairman is Janver Krehbiel, D.V.M., Ph.D.

Resident faculty include:

Thomas G. Bell, D.V.M., Ph.D.
Mary Boss, B.S., M.T.
Kevin Cavanagh, M.Sc., Ph.D.
James Collins, D.V.M.
Helen L. Davidson, M.S., M.T.
Wanderly C. de Mendonca, M.D.
Robert Dunstan, D.V.M.
Sue C. Estray, M.S., M.T.
Jerome Gass, D.V.M.
Ronald S. Gregory, D.V.M.
Clay Hodgin, D.V.M., Ph.D.
Thomas W. Jenkins, Ph.D.

Patricia M. Lowrie, E.M., M.S.
Joan C. Mattson, M.D.
George A. Padgett, D.V.M.
Maria Patterson, Ph.D.
Edward Powsner, M.D., S.M.
Charles H. Sander, M.D.
Vance L. Sanger, D.V.M.
Shirley Siew, M.D.
Stuart D. Sleight, D.V.M., Ph.D.
Earnest Stephens, D.V.M., M.S.
Steven Stockham, D.V.M.
Flint Taylor, D.V.M., M.S.
Richard Jensen, D.V.M.  
Margaret Z. Jones, M.D.  
Henry A. Kallet, M.D.  
Kenneth Keahey, D.V.M., Ph.D.  
Janver Krehbiel, D.V.M. Ph.D.  
Robert Langham, D.V.M., Ph.D.  
Robert W. Leader, D.V.M.  
W. Wesley Leid, Ph.D.  
Stuart Levin, D.V.M., Ph.D.  
Kathryn Lowell, Ph.D.  
Martha T. Thomas, M.T., M.S.  
Allan L. Trapp, D.V.M., Ph.D.  
Harold W. Tvedten, D.V.M., Ph.D.  
Betty C. Vincent, M.S., M.T.  
Glenn L. Waxler, D.V.M., Ph.D.  
Douglas J. Weiss, D.V.M., M.S.  
Roger Wells, D.V.M.  
Charles K. Whitehair, D.V.M., Ph.D.  
Christine William, B.V.Sc.

Department of Psychiatry
The Department of Psychiatry departmental office is located at
A222 E. Fee Hall; phone 353-9242. Chairman is Norbert Enzer, M.D.
Resident faculty include:

William Anderson, M.D.  
Joseph Ansfield, M.D.  
Arnold Berkman, Ph.D.  
Claire Fleet Berkman, Ed.D.  
Teresa Bernardes, M.D.  
Robert Bielski, M.D.  
Gaston Blom, M.D.  
Michael Bowden A.C.S.W.  
Daniel Bronstein, S.J.D.  
Alfred Ching, M.D.  
Alan Cooper, M.S.W.  
Ronald Dirkse, M.D.  
Harold Drane, M.S.S.A.  
Bonnie Eftaxiadiis, M.S.W.  
Ali El'Mohammed, A.C.S.W.  
Griffith Freed, Ph.D.  
Alan Friedman, Ph.D.  
David Gordon, Ph.D.  
Gordon Gritter, M.D.  
Thomas Gunnings, Ph.D.  
Mark Hinshaw, M.D.  
David Honeyman, M.D.  
Norman Kagan, Ph.D.  
Rodger Kobes, M.D.  
Henry Krystal, M.D.  
Janet Ledger, M.S.W.  
Ernesto O. Lis, M.D.  
Peter Manning, Ph.D.  
John F. Nielsen, A.C.S.W.  
Gerald Osborn, D.O.  
Joe Pavona, R.Ph.  
Louis Post, Ph.D.  
Lionel Rosen, M.D.  
David Roth, Ph.D.  
John Schneider, Ph.D.  
Ronald Simons, M.D.  
Dianne Singleton, Ph.D.  
Thomas Stachnik, Ph.D.  
Terry Stein, M.D.  
Bertram Stoffelmayr, Ph.D.  
Paul Todd, M.D.  
Lawrence Van Egeren, Ph.D.  
Sumer Verma, M.D.  
Arnold Werner, M.D.  
Floyd Westendorp, M.D.  
W. Donald Weston, M.D.  
Cyril Worby, M.D.  
Marsha Worby, M.S.S.  
Maritime Zucker, Ph.D.

Department of Radiology
The Department of Radiology departmental office is located in B220
Clinical Center; phone 355-0120. Chairman is E. James Potchen, M.D.
Resident faculty include:

James W. Gard, Ph.D.  
David Gift, M.S.  
Thomas S. Harle, M.D.  
Gale I. Harris, Ph.D.  
John H. Harris, M.D.  
Mary M. Leeman, M.A.  
Andrew S. Mackenzie, D.O.  
E. James Potchen, M.D.  
Don K. Reinhard, Ph.D.  
William R. Schonbein, M.S.  
Arlene Sierra, A.R.R.T.  
Richard White, D.O.
Other Departments and Units

Department of Anatomy
  Steven T. Kitai, Ph.D. A520 Fee 353-3240
Department of Anthropology
  Bernard Gallin, Ph.D. 354 Baker 353-2951
Department of Biochemistry
  Charles C. Sweeney, Ph.D. 214 Biochemistry 353-3257
Department of Biophysics
  H. Ti Tien, Ph.D. 128 Chemistry 3530810
Office of Medical Education Research and Development
  Robert Bridgman (acting) Ed.D. A217 Fee 353-7791
Medical Humanities Program
  Andrew D. Hunt, M.D. C214 Fee 355-7550
School of Medical Technology
  Christiana S. Blume, Ph.D. 103 Giltner 353-7800
Department of Microbiology and Public Health
  Paul T. Magee, Ph.D. 178 Giltner 355-6465
Department of Pharmacology and Toxicology
  Theodore M. Brody, Ph.D. B440 Life Sciences 353-7145
Department of Physiology
  Harvey V. Sparks, Ph.D. 111 Giltner 355-6475
Department of Psychology
  John H. Wakeley, Ph.D. 101 Olds 355-9563
Department of Sociology
  Jay W. Artis, Ph.D. 201 Berkey 355-6632
Department of Zoology
  James W. Butcher, Ph.D. 203 Natural Science 355-4640

Activities on MSU Campus Meet
Many Varied Interests

There is practically no interest so obscure that a co-aficionado cannot be found on the Michigan State University campus.

From The Commodores to Yehudi Menuhin, from Star Trek to Shakespeare, from square dancing to sky diving--the full range of entertainment and activities can be found on the campus.

More than 450 registered student organizations provide outlets for common interest and hobbies among MSU students and families.

Abrams Planetarium

With its panoramic space science theater, Abrams Planetarium is an acknowledged leader in the popularization of astronomy. The building also includes a black light art gallery, an exhibit hall, sales counter, and work areas.

In addition to presentations of an educational nature, programs ranging from astrology to time projections and light shows are provided weekly for the public's entertainment. The exhibit hall is open weekdays from 9 a.m. to noon and 1 to 4:30 p.m. For information, call 355-4673.
Athletic Activities

Michigan State University men compete in 15 sports at the varsity level, including football, cross country, golf, soccer, basketball, fencing, gymnastics, ice hockey, indoor track, swimming, wrestling, baseball, lacrosse, outdoor track, and tennis. Women's teams in volleyball, swimming, gymnastics, golf, tennis, track, field hockey, basketball, cross country, and softball compete on the intercollegiate level.

In addition MSU provides 26 team and 44 individual intramural sports activities in which every student may participate. There are 32 sports clubs.

For tickets and schedule information, contact the Athletic Ticket Office, 355-1623.

Athletic Facilities

Athletic facilities on the campus include the following.

-- Spartan Stadium: football games and large outdoor meetings (355-1610).
-- Demonstration Hall: recreational skating and physical education courses.
-- Forest Akers Golf Courses: 18-hole championship watered course with practice driving range and greens, and a nine-hole course (355-1635).
-- Intramural-Recreational Sports--West: courts for paddleball, handball, squash, basketball, badminton, tennis, judo, volleyball; golf driving range, indoor and outdoor swimming pools; individual rooms for archery, table tennis, weightlifting; Sports Arena site for wrestling; gymnastics and fencing (355-5250).
-- Munn Arena: intercollegiate hockey, intramural hockey, physical education hockey classes, skating and figure skating (353-7263).
-- John Kobs Field: baseball diamonds, intramural sports field, golf green.
-- Ralph Young Field: outdoor track.
-- Soccer Field: south of stadium.
-- Tennis Courts: 40 surfaced courts south of stadium.
-- Intramural-Recreational Sports--Circle: three gymnasiaums for basketball, badminton, volleyball, and tennis; two swimming pools; activity rooms for gymnastics and dancing (355-4710).

Beal Botanical Gardens

The oldest (since 1873) continuously operated teaching facility of this type in the nation, the six-acre garden contains more than 5,000 plant species organized in economic, systematic, landscape and ecological groupings. A self-guiding labeling system aids garden visitors.

Broadcasting Services

WKAR-AM (870) presents news, public affairs, information and discussion and programs of interest to minorities.

WKAR-FM STEREO (90.5) offers programs of the fine arts, opera, concerts, serious music, and special programs for the visually and physically handicapped.

WKAR-TV (Channel 23) provides educational, general information and cultural programming to viewers.
Bulletin Office

More than 500 titles on consumer buying, home, family and resources management, agricultural production, development and use of natural resources and public policy decision making are available free or for a nominal charge from the Bulletin Office, 10 Agriculture Hall, 355-0240.

Canoe Livery

Canoes at the MSU livery are available from 11:30 a.m. to 10 p.m. during the week, and 10 a.m. to 10 p.m. on weekends. Located behind Bessey Hall on Farm Lane, the livery charges $2 an hour for a canoe. For information, call 355-3397.

MSU Dairy Store

With tempting delicacies such as the world's only chocolate cheese, smoked cheddar, and dagano cheese, the Dairy Store is a much-frequented stop. The 12 different types of cheese average about $1.85 a pound and are available in 20-pound blocks. Ice cream is available in chocolate and vanilla at $1.65 for a half gallon, and eight-ounce yogurt is 45c. Located in South Anthony Hall on Farm Lane, the Dairy Store is open from 11 a.m. to 3:30 p.m. Mondays through Fridays and until 5:30 p.m. on Thursdays. For information, call 353-1663.

Evening College

More than 170 non-credit courses each year are held during the day and early evening hours for adults. Classes are taught by regular MSU faculty and guest lecturers. For information, call 355-4562.

Hidden Lake Gardens

This 670-acre landscape arboretum located near Tipton includes more than six miles of paved roads and five miles of hiking trails to accommodate some 100,000 visitors annually. The Gardens include a conservatory, tropical dome, arid dome, temperate house and service house in which is displayed one of the finest plant collections in the United States.

Kresge Art Center Gallery

The Gallery houses a permanent collection of works from antiquity to the present and exhibits traveling collections and works of students and faculty. The Center is open to the public from 9 a.m. to 5 p.m. weekdays, Tuesdays 7 to 9 p.m., and Saturday and Sundays 1 to 4 p.m.

Lecture-Concert Series

Each year the series presents more than 65 programs featuring art and foreign films, travel films and some of the world's foremost organizations and figures of the concert hall, stage, and lecture platform. The 1979-80 schedule includes the Eliot Field Ballet, the Juilliard String Quartet, the Moscow State Symphony Orchestra, the Black Watch, pianist Murray Perahia and many more.
MSU Libraries

The MSU Library contains more than 2,200,000 volumes, receives more than 25,000 current serials, and adds nearly 100,000 volumes to the collection each year. The Science Library in the basement of the main library carries a large number of medical texts and reference books, as well as a Medline computer terminal.

In addition, the Conrad Library, located north of West Fee Hall, is open to medical students from 12:30 p.m. until midnight every day. The Conrad Library also offers medical texts and reference books, reserve options, study areas, and other materials.

The medical library at the Clinical Center is open 8 a.m. to 11 p.m. Monday through Thursday, 8 a.m. to 8 p.m. Friday, 11 a.m. to 7 p.m. Saturday and 11 a.m. to 11 p.m. Sunday.

Medline

A computerized bibliographical retrieval system, the Medline surveys more than 2,800 biomedical journals each month. Special cross-referencing allows retrieval of information by parameters such as diseases, age, sex and language. References are listed with the newest first, and can cover the last ten years. Charges are $10 for the first 50 references and $1 for each additional 50. For information call Janet Parseh, 353-3037, from 9 a.m. to 5 p.m. weekdays, or stop by the Clinical Center Library.

MSU Museum

The MSU Museum has three floors of anthropological, biological, geological and historical displays. An emporium of gifts from many lands is open to the public at the Museum entrance. Hours are from 9 a.m. to 5 p.m. Monday through Friday, and from 1 p.m. to 5 p.m. on weekends. Call 355-2370 for more information.

Musical Organizations

Concerts, recitals, opera, and oratorios are presented regularly by students and faculty from the Department of Music with no charge for admission. Instrumental organizations on campus include the University Symphony Orchestra, the Chamber Orchestra, the Wind Ensemble, Symphonic Band, Concert Band, Marching Band, Spartan Brass, Jazz Bands, and New Musical Arts Ensemble.

Vocal groups include the Mixed Chorus, State Singers a cappella choir, University Chorale, Men's Glee Club and Women's Glee Club.

The faculty perform in the Beaumont String Quartet, the Richards Woodwind Quintet, and in individual solo presentations.

MSU Observatory

The observatory houses a 24-inch reflecting telescope, computer, and related equipment for use by students and faculty in astrophysics. Visual observation through the telescope is available to the public on scheduled "open house" nights. Open houses are usually scheduled from 10 p.m. to 12 a.m. the first and third Saturdays of the month. For information, call 353-9469.
State News

The State News, MSU's student daily, is the largest university newspaper in the United States in terms of general budget, number of pages, amount of news carried, and advertising. With a circulation of approximately 40,000 it reaches from 70 to 90 percent of the University community. Independent of the University administration, it is a corporation operated by a board of directors and a professional full-time newspaper general manager. The State News, a seven-time recipient of the Pacemaker Award for outstanding journalism, is a prime source of information on upcoming campus events. It is available in bins in all major campus buildings.

Union Building

The Union Building houses a barber shop, billiard room, bowling lanes, browsing room, grill, cafeteria, meeting and catered food service rooms, the ticket office for nonathletic events, and a U.S. Post Office.

Members of the Student Union Programming Board direct programs which include a ride bureau, flea markets, music programs, and art shows. The Board also offers support and resources to student organizations in the planning and development of activities. It is located in the Activities Office in the Union Building. For information, call 353-5255.

University Theatre

Student-sponsored productions under faculty supervision offer excellent entertainment at a modest cost, including Fairchild Theatre productions, musical productions in cooperation with the Department of Music, experimental productions, Children's Theatre, and the Arena Theatre. The Performing Arts Company is a group of professional artists pursuing graduate degrees and who compose the nucleus of MSU resident theatre.

Information on current University events can be obtained from the campus student newspaper State News, the calendar section of the MSU News-Bulletin, or by calling 353-4343 for a recorded highlight of activities.