1977 ENTERING CLASS OF 110 STUDENTS
IS LARGEST TO ENROLL AT MSU-COM

One hundred and ten students -- 35 women and 75 men -- began classes this June
as the largest entering class at the MSU College of Osteopathic Medicine.

First-term courses for the class, whose summer starting date is one of the
earliest of the nation's medical schools, include gross anatomy, biochemistry,
medical histology, medical care and society, and patient evaluation.

The new medical students will spend approximately 30 hours a week in classroom
and laboratory, and another 30 to 40 hours weekly in independent study.

The class had amassed a total of 132 degrees, including 21 masters and four
doctorates, in their premedical work. Of these degrees, 81 were awarded by 19
Michigan colleges and universities. Though the majority of the degrees were
in the sciences, other majors included English, religion, psychology, art,
engineering, and music.

Out-of-state institutions represented include Yale, Stanford, Rutgers, University
of Southern California and Johns Hopkins.

Twenty-two percent of the class are of ethnic minority origin, and 31 percent
are married.

The class will be honored at the College's seventh annual convocation in October.
Presentation of the Walter F. Patenge Medals of Public Service, established in
1971 by the Michigan Osteopathic Medicine Advisory Board to recognize men and
women excelling in health care, education and public service, will highlight the
program.

Past Patenge award winners have included Theodore Cooper, former assistant
secretary for Health, Department of Health, Education and Welfare; Caspar W.
Weinberger, former secretary of HEM; Leonard Woodcock, U.S. envoy to China,
and Florida Congressman Paul G. Rogers.

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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 -- 2864 at last census -- are licensed in Michigan than in any other state in the union, and comprise more than 15% 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 fore-runner 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, 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, programs at the Center have ranged from the presentation of residents' scientific papers and clinical programs to legal accountability in the practice of medicine and the unique challenges to physicians' wives. More than 4,300 persons attended continuing medical education programs at Pontiac during 1976-77.

There are 29 osteopathic hospitals in Michigan, providing more than 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 19 component societies across the state.

QUIET STUDY AREA INCLUDES
CARRELS, JOURNALS, MICROFICHE

An extension of the Clinical Simulation Laboratory, a quiet study area (E-4) is located for health professions students next to the Fee snack shop.

The area includes carrels equipped with slide projectors and tape recorders, microfiche readers, and a technicolor projector. Thirty to forty medical journals are available for student and faculty use.

Summer hours for the study area are:

- Mondays-Thursdays: 8 a.m. to 11 p.m.
- Fridays: 8 a.m. to 5 p.m.
- Saturdays: 10 a.m. to 6 p.m.
- Sundays: 2 p.m. to 10 p.m.
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 three years, top administrators for three 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, and Dr. Gerald Faverman, acting dean of the Ohio College 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 College of Osteopathic Medicine at the New Jersey College of Medicine and Dentistry.

The MSU 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 has originally been privately chartered 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.

Colleges established before MSU-COM include the Kirksville College of Osteopathic Medicine (1892), the Philadelphia College of Osteopathic Medicine (1898), the College of Osteopathic Medicine and Surgery at Des Moines (1899), 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), and the West Virginia School of Osteopathic Medicine (1972), and the Ohio College of Osteopathic Medicine (1976).

Two new osteopathic colleges will open their doors to students this fall, with 36 enrolling in the New York College of Osteopathic Medicine, New York Institute of Technology, Old Westbury, and 24 beginning at the College of Medicine and Dentistry of New Jersey-New Jersey School of Osteopathic Medicine.

"ALIMENTARY, MY DEAR WATSON...."

Faculty, students and staff who succumb to the ravenous growlies 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 and salads. For inveterate snackers, there is an ample supply of fresh fruit, pastries, chips and yogurt. A new feature will be an "early bird" breakfast special from 7:30 to 8:30 a.m.

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 4 p.m., including term breaks. For information, contact Dennis Martin, manager, 353-1995.
Michigan State University College of Osteopathic Medicine is unique in that it jointly administers its basic science 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 by the College of Osteopathic Medicine include Anatomy, Anthropology, Biochemistry, Biophysics, Microbiology and Public Health, Pathology, Pharmacology, Physiology, Psychiatry, Psychology, Radiology, Sociology, Zoology, the Office of Medical Education Research and Development, and the School of Medical Technology.

The scope of medically-oriented education on campus can be appreciated by a partial list of health-related administrative units and programs at Michigan State University:

**Related Directly to Human Health**

- College of Human Medicine
- College of Osteopathic Medicine
- School of Medical Technology
- School of Nursing
- Department of Audiology and Speech Sciences
- Department of Biomechanics
- Department of Family Medicine
- Department of Family Practice
- Department of Human Development
- Department of Medicine
- Departments of Obstetrics, Gynecology and Reproductive Biology
- Department of Osteopathic Medicine
- Department of Pathology
- Department of Psychiatry
- Department of Radiology
- Department of Surgery
- Office of Health Services
- Office of Health Services Education and Research
- Office of Medical Education Research and Development
- Olin Health Center
- Professional Services, College of Human Medicine
- Professional Services, College of Osteopathic Medicine

**Related to Human Health Through Primary Concern for Animal Health**

- College of Veterinary Medicine
- Department of Large Animal Surgery and Medicine
- Department of Small Animal Surgery and Medicine
- Laboratory Animal Care Service
- Animal Technology Program

(more)
Osteopathic-Allopathic Training
Con't.

Related to Human Health Through Basic Science Teaching and Research

Department of Anatomy
Department of Anthropology
Department of Biochemistry
Department of Biophysics
Department of Microbiology
Department of Pharmacology
Department of Physiology
Department of Psychology (Also the Psychological Clinic)
Department of Sociology
Department of Zoology

Related to Human Health Through Specialized Training Programs and Research

School of Social Work
Department of Counseling, Personnel Services and Educational Psychology
(program in rehabilitation counseling)
Department of Elementary and Special Education (special education
programs for the retarded, blind, deaf, etc.)
Department of Food Science and Human Nutrition (dietetics teaching program)
Department of Health, Physical Education and Recreation (health education
program)
Department of Psychology (clinical psychology program)
Department of Music (music therapy program)
Department of Family Ecology (particularly through child study programs)
Department of Urban and Metropolitan Studies (urban health science)
Institute of Nutrition (interdisciplinary graduate and research programs
involving Food Science and Human Nutrition, Biochemistry, Animal
Husbandry, Human Development, etc.)

Related to Human Health Through Research Programs

Department of Animal Husbandry (cardiovascular and basic metabolism studies)
Department of Botany (genetics research, classification of toxic plants,
plant physiology, effects of radiation on living cells)
Department of Dairy Husbandry (research on mammalian fertility)
Department of Electrical Engineering (systems science studies relating to
ecology)
Department of Poultry Science (cardiovascular studies)
Agricultural Experiment Station
Plant Research Laboratory (genetics research, plant physiology, effects of
radiation on living cells)
Pesticide Research Center (studies on effects of pesticides on humans)
Human Energy Research Laboratories (part of HPER and has participation of
faculty of Anatomy, Food Science and Human Nutrition and perhaps other
departments)
Computer Laboratory (studies on computerizing patient records, etc.)
Biological Engineering Programs (involves Department of Agricultural Engineer-
ing and Department of Chemical Engineering)
Endocrine Research Unit (Departments of Physiology and Animal Husbandry)

Related to Human Health through Service Programs

Cooperative Extension Service (provides advice on nutrition, child development,
etc. and conducts a major program providing nutritional advice to the
disadvantaged)
Counseling Center (provides psychological services to students)
OFF-CAMPUS CLINICAL TRAINING FOCUS
FOR SECOND- and THIRD-YEAR STUDENTS

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.

Training in both primary and specialty care is held in modules in the MSU Clinical Center.

Clinical experience is offered to second-year students at the Edgewood Housing Corporation clinic in East Lansing, the Family Medicine Clinic at Ingham Medical Center in Lansing, Community Health Services clinic in Lansing, and the Alcoholism Unit at St. Lawrence Hospital, in physician-preceptor offices and in affiliated hospitals.

Third-year students take four quarters of clinical clerkships, including ambulatory and inpatient care, in community hospitals and health care agencies formally affiliated with the College, and in physicians offices part of the Junior Partnership Program.

Affiliated hospitals include Art Centre Hospital, Detroit; 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 Hospitals, Madison Heights; Mt. Clemens General Hospital; Pontiac Osteopathic Hospital; Rehabilitation Center, Inc., Southfield; Riverside Osteopathic Hospital, Trenton; Saginaw Osteopathic Hospital; Zieger Osteopathic Hospital, Detroit.

COM PRECEPTORS PROVIDE
PROFESSIONAL EXAMPLE FOR STUDENTS

One afternoon a week, first and second-year students from the College of Osteopathic Medicine leave their classrooms to observe practicing osteopathic physicians at work. The students are each assigned to either one of the 225 COM preceptors or to one of the ambulatory care clinics supervised by faculty of the Department of Family Medicine.

The students observe the physicians in settings that vary from inner-city clinics to suburban practices in communities as widespread as Grand Rapids, Flint, Detroit, Howell, Brighton, Lansing, St. Joseph, Lapeer, Mt. Clemens and Pontiac.

The preceptors provide examples of sanctioned behavior as professional physicians, acting as role models in such situations as patient interaction, interviewing, diagnosis and treatment, staff relations, office administration and business methods, and handling of scheduling and prescriptions.

Prior to their first rotation, students complete an introductory course concerning preceptorships. Students as well as preceptors are notified in advance of objectives to be achieved in each preceptorship. A midterm follow up Preceptorship Seminar is scheduled each term for the purpose of assessment, identification of problems/concerns and facilitation of remediation.

Margo Kurtz, Ph.D., is coordinator of the program.
CLINICAL SIMULATION LABORATORY HELPS STUDENTS DEVELOP CLINICAL SKILLS

Depending on curriculum requirements and instructions from faculty, Fee Hall's Clinical Simulation Laboratory is drawing between 30 and 100 students a day. Medical and nursing students use the study-learning facility to reinforce early clinical experience in problem solving and training in clinical procedures.

The 3,000 square foot Clinical Simulation Lab is staffed and administered by the College of Osteopathic Medicine. Earlier support was provided by MSU's College of Human Medicine, School of Nursing, and Office of Medical Education Research and Development.

Laboratory directory is Holly Holdman, who is a member of the COM academic resources staff and also directs the simulated patient program.

Faculty questions about coordinating Clinical Simulation Lab facilities with their curriculum plans can be directed to Ms. Holdman at 353-4734.

The lab is open 9 a.m. to 5 p.m. and 7 to 11 p.m. weekdays, 10 a.m. to 5 p.m. Saturdays, and 2 to 10 p.m. Sundays.

For students in osteopathic and allopathic medicine, the Laboratory has been instrumental in supporting course work on pelvic and breast examinations. Facilities have also been used by students in two nursing programs.

Many of the medical simulations on the Laboratory enables practice for perfecting injection skills, cardiopulmonary resuscitation and physical examination procedures.

The flick of a switch 'broadcasts' various heart sounds, normal and otherwise.

Head models, used with slides inserted behind the eyes, simulate vision disorders and symptomatic conditions of other diseases.

A simulated doctor's office -- with three complete examining rooms -- a portable video system to record history taking and physical examinations for later review and self-evaluation by students.

Simulated patients -- trained to simulate any or all aspects of actual illnesses -- often are presented in supervised setting to test skills of students with advanced clinical training.

MAOGP CHAPTER OPEN TO ALL INTERESTED MSU-COM STUDENTS

The MSU-COM student chapter of the Michigan Association of Osteopathic General Practitioners (MAOGP) was organized to promote a greater awareness and appreciation of general practice, and is open to all osteopathic students.

The group, through its parent chapter, offers many educational opportunities including continuing medical education seminars, the most recent of which was a local conference on sports medicine. In addition, supplementary programs are suggested and planned for by the students.

For information, contact Gene Conte, president.
STUDENT OSTEOPATHIC MEDICAL ASSOCIATION

A new chapter of the Student Osteopathic Medical Association was organized at the MSU College of Osteopathic Medicine in April.

Nearly 60 persons from MSU have joined SOMA, a national service organization of osteopathic medical students.

Officers, all of whom are members of the 1976 entering class, include Benjamin Field, president; Patricia Rehfield, representative to the national board of directors; Mark Sloane, vice president; Mary Ann Skiba, secretary; and Leslie Lafer, treasurer.

E. James Potchen, M.D., chairman of the Department of Radiology, is the SOMA adviser.

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 include hypertension screening in MSU residence halls, participation in orientation programs for the entering class, and proposed health appraisal examinations and health education lectures in schools.

Students interested in joining SOMA should contact Ben Field through the Office of Student Affairs.

SIGMA SIGMA PHI

Sigma Sigma Phi, a national osteopathic honorary, began its Iota chapter at the MSU College of Osteopathic Medicine this spring.

Charter members of the organization include Robert L. Snyder, president; Isidro A. Amigo, S. Bruce Badagialacqua, Dennis Deacon, Paul R. Ehrmann, Gary H. Hills, Wanda B. Kalencki, John Meulendy, John G. Mills, Judy S. Moore, Sylvia Mustonen, Robyn Phillips, Paul Ponstein, and Alice K. Raynesford.

Grand chapter president Roy J. Harvey, D.O., acting chairman of the Department of Family Medicine, is adviser to the group.

A primary goal of the new chapter is service to community health programs. Projects have included hypertension screening in MSU dormitories and assistance with tours of the College.

MSU STUDENT SPOUSES AUXILIARY
PROVIDES SUPPORT FOR MEDICAL STUDENT SPOUSES

The MSU-COM Student Spouses 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 participates in various service projects, holds educational and informational monthly programs and organizes various social functions.

Activities include an annual Christmas party, a dinner dance for the second-year class leaving for clerkships, donation of desk plaques for graduates, courses in cardipulmonary resuscitation and donation of a resuscitation model to the College.

Membership is open to any spouse of a MSU-COM student. For information, contact Kristie Bair, president (351-8578) or Jennifer Badagliacqua, secretary-treasurer.
MSU-COM FACULTY DEVELOPMENT PROGRAM
ASSISTS PHYSICIANS IN BECOMING PHYSICIAN-TEACHERS

Assisting new faculty to make the transition from medical practitioners to teachers is the goal of the Faculty Development Program at the College of Osteopathic Medicine.

Under a three-year grant from the Department of Health, Education and Welfare with additional support from the College, the program was developed to solve practical problems facing physicians in the classroom and to develop teaching methods that work for each individual instructor.

Program content ranges from achieving basic skills such as organizing lectures and making material meaningful to students to more sophisticated techniques such as applications of computer technology and development of advanced media formats.

To date 79 faculty have participated in one or more workshops. Nineteen of these have taken advantage of an incentive program in which a faculty member may qualify for partial subsidy of professional travel.

Workshops are held primarily on campus, though off-campus activities at Grand Rapids, Pontiac and Flint osteopathic hospitals are being planned. The workshop series will soon be available to any affiliated hospital that requests it.

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 "osteopathic" topics, extends to all of the basic and clinical departments and to several interdepartmental programs.

Research in the basic 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 most of the College's research effort.

The Department of Biomechanics is committed to investigations on the relationships between body structure and function and on concepts necessary to the understanding of the biological bases of manipulative therapy.

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

Another example of interdepartmental research occurs in the Neurobiology Program, which spans a number of departments and colleges.

Pilot studies by College researchers are funded by seed monies from the College and NIH. Grants of about $38,000 awarded in 1975 and 1976 have produced about $600,000 in new externally funded grants for biomedical research. A continuation NIH grant of $26,951 and a similar but new fund from a professional foundation will be distributed in the fall.
ADMINISTRATIVE OFFICERS PERFORM
A VARIETY OF DUTIES AT MSU-COM

From admissions to community affairs, the administrative officers perform a wide-ranging variety of duties for the College of Osteopathic Medicine. They include:

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, acting as an interface between the dean and various members of the institution, representing the dean on various committees of the College, and responsibility for College-wide functions such as self-study and retreats.

PhiliPP Gerhardt, Ph.D., associate dean for research: development of research in the College and for the profession, attainment of external grant support, and establishment of laboratory research capabilities.

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 of 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.

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.

Allen W. Jacobs, Ph.D., assistant dean for educational resources: supervises academic support for faculty, students and the Curriculum Committee, including audiovisual service, instructional development, scheduling, student evaluation and program evaluation.
DONALD E. McBRIDE, D.O., assistant dean for graduate and continuing medical education: planning and implementation of graduate and continuing medical education programs of the College, including development of campus-based residency programs.

FRED C. TINNING, Ph.D., assistant dean for planning: planning for the College's program operation, including space utilization and maintenance, resource development and utilization, budget projection, program analysis, distribution of resources, computer utilization, systems management and college liaison for program planning.

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 Comprehensive 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.

ROBERT C. WARD, D.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.

RUTH A. LEZOTTE, Ph.D., director of curriculum planning and implementation: administration of all College-wide (OST) courses and coordination of Unit II program, with major responsibility in planning and development of courses and course sequences.
FOUR DEPARTMENTS ADMINISTERED SOLELY BY MSU-COM
REFLECT BASIC TENETS OF OSTEOPATHIC MEDICINE

Four departments -- Biomechanics, Community Medicine, Family Medicine and Osteopathic Medicine -- are administered solely by the College of Osteopathic Medicine, and reflect tenets emphasized in the basic philosophy of the profession.

Biomechanics

The Department of Biomechanics was established as a research entity to perform fundamental studies, both basic and applied clinical, into the inter-relationship of structure and function. Particular emphasis is on the anatomy, physiology, and pathology of the neuromuscular components of disease and disability commonly referred to as "somatic dysfunction" or the "osteopathic lesion."

In their research, members of the department consider clinical studies of man and animal to determine the effectiveness of osteopathic diagnosis and therapy in patient care.

Departmental faculty participate in the interdisciplinary courses offered by other departments. The Department of Biomechanics offers elective courses in athletic medicine and the neurosciences at the undergraduate and graduate levels.

Biomechanics faculty along with faculty from Family Medicine administer and teach the courses relating to the development of skills in palpatory diagnosis and manipulative technique. The faculty also participate in other interdisciplinary courses offered by the College. The Department of Biomechanics offers elective courses in athletic medicine and the neurosciences at the undergraduate and graduate levels.

Irvin M. Korr, Ph.D., is acting chairman. Robert E. Little, Ph.D., will be appointed chairman effective Sept. 1.

Community Medicine

The Department of Community Medicine is concerned with the relationships of the socio-cultural, behavioral, and environmental sciences to health and disease in human populations. Disciplines represented in Community Medicine include anthropology, sociology, psychology, economics, biostatistics and epidemiology, nutrition, health education, administration, and political science.

The aim of the department is to integrate the content of such disciplines into the education of the primary care physician to enable him or her more effectively to deal with individual patients and populations in regard to the diagnosis, treatment, and prevention of disease, and the maintenance of health.

The Community Medicine courses are also designed to give the physician a basis of information that will better enable evaluation and implementation of the appropriate alternative solutions to providing quality health care, curative and preventive, for all members of an entire community. The education of the student is achieved through both classroom instruction, and field experiences in various community health care settings.

Howard W. Stoudt, Ph.D., is chairman.

Family Medicine

Family practice is that aspect of medical care performed by physicians when they assume comprehensive and continuing responsibility for the patient and all the members of the patient's family, regardless of age. This approach to medical practice embraces the humanistic concept of and concern for the whole patient and the environment.
The family medicine concept of comprehensive medical care implies the active performance of direct service over the broad areas of medicine and the easy access of this care for all patients.

Training in family medicine has as its goal the development of a competent and mature practitioner in the broad aspects of medicine who, upon entry to the health care system, will have the capacity to diagnose illness, undertake treatment, and institute and maintain long term follow-up care for the majority of problems presented.

Students are exposed to multiple models and situations in the health care delivery system through a training program which is geared in a graded manner toward acquiring the broad base of skills required to function in the family medicine field.

Models of interdisciplinary team health care delivery are also available.

Roy Harvey, D.O., is acting chairman. Lynn F. Brumm, D.O., will be named chairman effective August 1.

Osteopathic Medicine

The Department of Osteopathic Medicine has been organized to represent all of the major clinical disciplines involved in the practice of osteopathic medicine.

The basic responsibility of the department is to train students for the practice of osteopathic medicine by contributing to the development of the college curriculum through the organization of classroom, hospital, clinic and specialty programs that will provide the highest quality of relevant education and experience.

In addition the department is committed to developing and assisting in research programs, community health services, and continuing education programs throughout the state that will aid the osteopathic profession and the medical community at large in improving the quality and efficiency of the health services for the public.

Walter C. Mill, D.O., is chairman.

MSU-COM OFFERS COUNSELING SERVICES FOR STUDENTS

To reduce the stress that is often part of the medical school experience and to help students keep focus on the totality of their lives, the MSU College of Osteopathic Medicine provides counseling services through the Office of Student Affairs.

Counseling situations have included relaxation training, personal growth and development, group experiences, enrichment and study skills seminars as well as individual and couples counseling. Seminars teaching counseling skills for physicians are also available.

Future seminars planned will include elimination of self-defeating behaviors and exploring human potential.

MSU-COM counselors also act as referral agents for campus and community resources (such as the West Fee branch of the MSU Counseling Center) and provide an outreach program to students.

Concerns expressed by medical students in the past have ranged from dealing with the death of a patient and anxiety over management of time to loneliness in a new environment, problems of women performing in a traditionally male-dominated profession, or interpersonal community difficulties.

Marilyn Giffin, M.A., C.S.W., is the College counselor and can be reached in B-115D West Fee, 353-6647 or 353-7742.
MSU-COM CURRICULUM EMPHASIZES ORGAN SYSTEMS IN "SPIRAL" APPROACH

The curriculum at the MSU College of Osteopathic Medicine presents material in a coordinated manner so that students can better understand the basic processes of the human body, integrate a concept of the function of body systems (cardiovascular, respiratory, renal, etc.), and see their clinical applications.

Clinical training is included on every level, progressing in difficulty as the student moves up the curriculum spiral, adding topical information and reinforcing concepts at every level.

The 33-month basic curriculum includes eight quarters of an integrated basic science cytology, etc.) and a study of individual organ systems, and four quarters of clinical clerkships, including ambulatory and inpatient care, in community hospitals and health care agencies.

The first two years provide the students with terminology and fundamental concepts of motor skills. The courses are designed to ensure a uniform level of competence for all students, who come to the college with different capabilities in the basic sciences. During this unit, students are also taught the techniques of physical examination in the laboratory and are assigned to a clinical preceptor at the end of the course.

The major portion of the curriculum is organized chiefly into a study of organ systems -- hematopoietic, neuromuscular, cardiovascular, respiratory, genitourinary, gastrointestinal, integumentary, and human growth and development. Again, the student integrates basic science and clinical experience, but with more emphasis on the latter at this stage.

Basic science learning is increased at this level with audiovisual self-study, including the use of films, slides, and videotapes to augment the student's knowledge.

To increase their competency at this level, students are placed in direct contact with patients in hospitals and clinics, where they are given supervised opportunities to perform histories and examinations on selected patients. The students must establish a tentative diagnosis, offer supporting rationale, order appropriate laboratory tests, and finally develop a plan of therapy. At the completion of each patient evaluation, students are given a critique by supervising clinicians.

During the clerkship unit students take rotations through clinical services in general medical areas -- surgery, pediatrics, medicine, obstetrics and gynecology, psychiatry, and family medicine. Three levels of skill attainment are identified for students to complete this unit:

-- techniques that the students must actually perform

-- procedures in which students should observe or assist but for the performance of which they are not responsible

-- an area of highly specialized techniques that the students may not have an opportunity to observe during their rotation but with which they should have some familiarity should the need arise.
THERE'S MORE TO SEE ON FEE TV

Television is playing an increasingly important role in medical education at Michigan State University, providing a library of valuable material for students in the College of Osteopathic Medicine, College of Human Medicine, College of Veterinary Medicine and School of Nursing.

In the classroom, instructors may use closed circuit television to allow students a simultaneous full-screen view of a single specimen under the microscope or to provide examples of surgical techniques, disease symptoms or treatment procedures.

Television for self-study is used extensively in special areas, where students may review a videotaped lecture, see special programming provided through the Network for Continuing Medical Education, or review one of a library of videotaped presentations on anatomy, pathology, physiology, or diagnostic and treatment procedures.

The students also used television to analyze their own skills in interacting with patients by reviewing with their instructors videotapes made of their interviewing and examining patients.

Fee Hall facilities include 60 equipped receivers and a small production facility which recently was renovated to handle color production. A videotape library, self-study carrels and media available in the Simulation Learning Center are available to the students.

A unique instructional system developed for use in Fee Hall is the Medicon, a large portable unit that contains television cameras, videotaping facilities, microscopes, overhead projection unit, and x-ray viewing in a single unit.

A part of the University's larger Instructional Television Service -- the largest cable TV network in an American university -- the medical system employs more than 200,000 feet (38 miles) of cable, part of which is leased through Michigan Bell Systems.

According to Fred Henderson, chief engineer of the MSU Instructional Television Service, the use of television for medical training at MSU has the capability for enormous expansion. When funding allows, tie-ins to cable services would allow transmissions to hospitals and universities across the nation, and two-television communications with affiliated hospitals in the medical colleges would decrease the need for faculty commuting.

Henderson also said that the combination of television and new fiber optics technology is allowing physicians to view internal body functions (such as joints) on a television screen without invasive surgery or general anesthetics.
PLETHORA OF ACTIVITIES ON MSU CAMPUS
MEET MANY VARIED INTERESTS

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

From Kiss to Yehudi Menhuin, 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 200 registered student organizations provide outlets for common interests 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 p.m. to 4:30 p.m. For information, call 355-4672.

Athletic Activities

Michigan State University men compete in 14 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 24 team and 44 individual intramural sports activities in which every student may participate. There are 32 clubs.

For tickets and schedule information, contact the Athletic Ticket Office, 355-1610.

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 classes (353-7263).
--Forest Akers Golf Courses: 18-hole championship watered course with practice driving range and greens, and a nine-hole course (355-1635).
--Men's Intramural Building: 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.
--Women's Intramural Building: three gymnasiums 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 discussions 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 resource 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, 355-0230.

Canoe Livery

Canoes at the MSU livery are available from 2 p.m. to midnight during the week, and from noon to midnight on weekends. Located behind Bessey Hall on Farm Lane, the livery charges 90¢ 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 $1.55 a pound and are available in 20-pound blocks. Ice cream is available in chocolate and vanilla at $1.20 for a half gallon, and eight-ounce yogurt is 35¢. 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

A program of 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 are 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 1977-78 schedule includes pianist Lazar Berman, guitarist Christopher Parkening, the Vienna Choir Boys, the San Francisco Ballet, the Juilliard String Quartet in residence, Concertgebouw, Les Brown and the Band of Renown, the Bavarian Symphony Orchestra of Munich, a Verdi opera gala, and many others. For information, call 355-6686.

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.

In addition, the Conrad Library, located north of West Fee Hall, is open to medical students from noon to 9 p.m. Sundays through Thursdays during summer term. The Conrad Library offers medical texts and reference books, reserve options, study areas, and other materials.

Medline

A computerized bibliographical retrieval system, the Medline surveys more than 2800 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 $6 for the first 50 references from January 1975 to the present, 2¢ apiece for references 51-300, $10 for the first three-year period requested before 1975, and $10 minimum for any job needed in 24 hours or less. For information call Connie Poole or Sue Moyer at the Science Library, 353-9591, from 8 a.m. to 5 p.m. weekdays.

MSU Museum

Currently closed to all but faculty and students due to extensive renovation, the MSU Museum has three floors of anthropological, biology, geological and historical displays. An emporium of gifts from many lands is open to the public at the Museum entrance. For information, call 355-2370.

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 Richard 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. For information, call 353-9469.

**Orifice**

The Orifice, which will resume publication in the fall, is a monthly newspaper produced for and by students in the College of Osteopathic Medicine, College of Human Medicine, College of Veterinary Medicine, School of Nursing and School of Medical Technology.

**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.

**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.

The Union Activities Board plans events such as the Players' Gallery, Campus Wide Video, Showcase Jazz, Concerts, Artists in Residence, Films, Travel, Four Corners Coffeehouse, and other special projects. For information, call 355-3460.

**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.

This special issue of the "COMMunique" for the 1977 entering class was published by the Health and Medicine Section of the Department of Information Services.
<table>
<thead>
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