PHYSICAL FITNESS
ON THE COVER

MSU-COM first-year student Raul Rodas is one of many personnel from the College who emphasize the importance of physical fitness and practice what they preach. For more, see pages 6 and 7.

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COMMUNIQUE "Communique," a newsletter publication of the Michigan State University College of Osteopathic Medicine, is issued 15 times a year through the Health and Medicine section of the Department of Information Services, A314 E. Fee Hall, East Lansing, Michigan, 48824; telephone 517/353-0820. Members of the Editorial Advisory Committee include David Marler, Ph.D. (chairman); Henry Beckmeyer III, D.O.; Francis A. Bernier, Ph.D.; Gordon Spink, D.O., Ph.D.; Robert C. Ward, D.O.; Nancy Houston, B.A. (editor) and Patricia Grauer, M.A. (managing editor). Circulation manager is Mary Palmer. Production is done by Beth Stephens and Connie Burch; photography by Dick Wesley. Date of publication of the next issue is Monday, May 26, 1980. Deadline for that issue is Thursday, May 15.

Michigan State University is an equal-opportunity/affirmative action institution.
Margaret Mead Award
Goes to MSU Anthropologist

Brigitte Jordan, a Michigan State University anthropologist who became an assistant to a Mayan midwife in Yucatan as part of a cross-cultural study of doing birth, is the recipient of the second annual Margaret Mead Award of the Society for Applied Anthropology.

The award, presented at the society's annual meeting in Denver, recognizes skills in broadening the impact of science, skills for which Dr. Mead was widely admired.


Dr. Jordan received her Ph.D. in social science from the University of California at Irvine in 1975.

As a recent Dean's Seminar in the MSU College of Osteopathic Medicine, Dr. Jordan suggested that the cultural definition of the birth event is critical for understanding contemporary movements for change in obstetric practices in our own society — for example, natural childbirth, home delivery, the rediscovery of midwifery, and, on the other hand, the movement towards increased reliance on medical technology.

In developing countries the introduction of modern obstetrics poses special problems as the modern system confronts established traditional birthing practices, worthy of respect to their own right.

Dr. Jordan showed that the experience of birth is conditioned by sociocultural belief systems, using her description of Yucatan birth practice as a counterpoint to United States, Dutch, and Swedish systems of birth.

Stressing that every birthing system "makes sense from the inside out," Dr. Jordan said that the Mayan Indians see hospitals as using "dangerous and prevented practices" during birth. Since the Mayans allow no man but the husband and no woman who has not borne children to witness a birth, they view the "lack of respect for modesty" in the hospital as immoral. Mayan midwives also use techniques — such as cauterizing the umbilical stump and external cephalic version for breech positions — which they consider technically superior to modern medical methods.

Dr. Jordan chose to study births in Holland and Sweden because they have the best pregnancy outcome statistics in the world. She found that the two nations shared excellent universal prenatal care, excellent social support services, and extensive paid maternity leave.

In Holland, she said, normal birth is considered a natural — not a medical — event. Births are regularly held at home, with trained midwives and without sedation, anesthesia or episiotomies.

In stark contrast, births in Sweden are all handled as medical events, and are viewed by mothers and medical personnel alike as a crisis which modern women cannot handle unaided, Dr. Jordan said. Thus sedation, anesthesia, episiotomies, fetal monitoring, and oxytocin stimulation are given routinely.

Dr. Jordan said that one explanation for the paradox presented by equally excellent results under such drastically different conditions is that in each culture, the women giving birth and their medical personnel have concurrent expectations and views about birth.
STUDENTS FROM 13 MEDICAL SCHOOLS
HELD REGIONAL MEETING AT MSU

Students from MSU's College of Osteopathic Medicine conducted a hands-on workshop to demonstrate osteopathic manipulative techniques to 80 students from 12 other medical schools May 2-4.

The workshop was part of a regional program of the American Medical Student Association (AMSA) held at Michigan State University. The workshop, "The New Physician and the New Medicine," attracted medical students from Illinois, Indiana, Wisconsin and Michigan. Students from MSU's College of Human Medicine were hosts.

Students presenting "Using Your Hands for Diagnosis and Treatment" included: Alice Raynesford and Sister Anne Brooks from MSU-COM, and Leslie Kirkpatrick from CHM.

Other sessions, held in the classroom wing joining East and West Fee Halls, included:

"The New Medical Schools: Marching to a Different Drummer"
Theodore D. Hunt, first dean of the MSU College of Human Medicine, described the origins of the new schools founded in the 1960s and the road they've traveled in trying to realize their innovative goals.

"Health Without Huge Hospitals"
Members of the Michigan Rural Health Action Coalition outlined the unusual health needs of rural communities in Michigan and their attempt to meet those needs.

"Cross-Cultural Birthing"
Dr. Brigitte Jordan, MSU associate professor of anthropology and winner of the second annual Margaret Mead Award of the Society for Applied Anthropology, described birthing rituals of other cultures as compared to those prescribed by Western medicine.

"Health Without Sunshine"
Dr. William Well, MSU professor of pediatrics and human development, gave an account of his experiences with indigenous health care among native Alaskans.

"Towards Death with Dignity"
State Representative David Hollister explained the rationale for and details of the "Living Will" bill he has sponsored in the Michigan Legislature.

Other topics included "Basic Science on the Wrong Side of the Tracks" and a discussion of the structure and function of the examinations of the National Board of Medical Examiners by Dr. Arthur Kohrman, associate dean for educational programs at the College of Human Medicine.

Schools represented at the regional workshop, in addition to the MSU College of Human Medicine and College of Osteopathic Medicine were: University of Chicago Pritzker School of Medicine, University of Health Sciences Chicago Medical School, University of Illinois College of Medicine, Loyola University of Chicago Stritch School of Medicine, Northwestern University Medical School, Rush Medical College, Indiana University School of Medicine, Medical College of Wisconsin, University of Wisconsin Medical School, University of Michigan Medical School, and Wayne State University School of Medicine.
GORDON SPINK NAMED DME AT FLINT OSTEOPATHIC HOSPITAL

Gordon Spink, D.O., Ph.D., has been named director of medical education and MSU-COM's director of clinical clerkship training at Flint Osteopathic Hospital.

He leaves the position of acting assistant dean for graduate and continuing medical education at the MSU College of Osteopathic Medicine, where he also served as Unit III coordinator, associate professor of family medicine, and codirector of the Preceptor Program in the Department of Family Medicine.

President of the MSU-COM Alumni Association, Dr. Spink also serves as a member of the Editorial Advisory Committee of "Communique."

Dr. Spink received the Ph.D. degree in botany from MSU in 1966, and the D.O. degree from the MSU College of Osteopathic Medicine in 1975. He served his internship at Flint Osteopathic Hospital, and joined the faculty at MSU-COM in 1976.

He is a member of the American Osteopathic Association, the Michigan Association of Osteopathic Physicians and Surgeons, the American Association of Osteopathic Directors of Medical Education, and the American Association for the Advancement of Science. He also belongs to the Electron Microscopy Society of America, Sigma Xi, the American Society for Cell Biology, the Association for Hospitals in Medical Education, the Sierra Club and the Appalachian Mountain Club.

Dr. Spink, who served in the United States Air Force, is listed in American Men and Women of Science and Who's Who in the Midwest. He is married and the father of two children.

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CHAIRMAN OF PATHOLOGY DEPARTMENT NAMED ASSOCIATE DEAN IN VET COLLEGE

Robert W. Leader, D.V.M., chairman of the Department of Pathology, has accepted the position of associate dean for research and graduate education at the MSU College of Veterinary Medicine.

He will also serve as coordinator of animal health and research for the Agricultural Experiment Station and the College of Veterinary Medicine.

His appointments will be effective June 1, 1980.
EXERCISE MUST BE TAILORED TO INDIVIDUAL FITNESS NEEDS

Exercise must be tailored to meet the fitness needs of the individual, according to Lynne Pirie, a second-year student in MSU's College of Osteopathic Medicine.

Pirie, who holds two degrees in physical education from the University of Western Ontario, emphasizes that the effects gained from exercise are very specific to the type of exercise used. As an example, she cited the differences in effect gained from tennis and jogging, which differ primarily in the continuity of the activity.

In tennis, where there are spurts of high-intensity exercise followed by periods of rest, the primary energy source is anaerobic. This results in a build-up of lactic acid in the muscles, causing local fatigue, she said.

It is continuous, lower-intensity, higher-duration exercise such as jogging or cycling (aerobic) which provides the greatest benefit to the cardiovascular system, lower heart rate, increasing the effectiveness of circulation and aeration of the lungs.

Pirie recommends individual evaluation of factors such as strength, flexibility, aerobic and anaerobic capabilities, muscular endurance, and sports skill levels before an exercise program is begun.

"I'm particularly concerned about spas that give 'canned' exercise programs to every person who walks in," Pirie said.

She also expressed concern about physicians' lack of knowledge about appropriate exercise, and stressed the need for more physical education in medical schools.

"The physician is generally the person to give clearance for exercise programs," she said, "but very few of them have been trained in the effects of specific exercises."

Pirie said she would like to see more cooperation between the medical professions and experts on physical education, who, in the study of kinesiology, exercise physiology, and biomechanics, can prescribe training programs which can prevent injury.

Lynne Pirie is living example of what she preaches. A competitive athlete most of her life, she began bodybuilding training nine months ago. In April, she placed eighth in the nation in the Amateur Athletic Union's U.S. Women's National Physique Contest in Atlantic City.

Pirie says that she thinks bodybuilding will help her as a physician, making her able to handle large patients with osteopathic manipulative therapy with confidence.
SUNDAY, JUNE 1, 1980


TUESDAY, JUNE 3, 1980

Pharmacology and Toxicology seminar: "An In Vitro Mammalian Assay System for the Detection of Toxic Compounds" by David Doolittle, Department of Pharmacology and Toxicology, MSU. B448-9 Life Sciences.

FRIDAY, JUNE 6, 1980

11:30 a.m. MSU-COM Council of Affiliated Hospitals. University Club.

3 p.m. 1980 College of Osteopathic Medicine hooding ceremonies. MSU Auditorium.

SUNDAY, JUNE 8, 1980

8 a.m. Seminar sponsored by American Osteopathic Academy of Sclerotherapy Inc. and Michigan Center for Continuing Education in Osteopathic Medicine. Program chairman is James D. ZeBranek, D.O. For information contact Duane M. Tester, 313/335-7742. 800 Auburn Rd., Pontiac.

SATURDAY, JUNE 14, 1980


MONDAY, JUNE 16, 1980

Orientation for entering class. Through June 17.

"Basic Principles of Manual Medicine," a national conference and five-day intensive course on fundamentals, including practice sessions on the spine, pelvis and extremities. Participation limited to 40. Contact Joan Martin Alam, 517/353-7782. Kellogg Center for Continuing Education.

THURSDAY, JUNE 19, 1980

4 p.m. Radiology conference: CT and ultrasound film-reading session by Carl S. Rubin, D.O., assistant professor of radiology, Thomas Jefferson University. At 7 p.m., Rubin will discuss "Current Status of Ultrasound Imaging of the Breast." Fee is $15. Four hours Category I CME credits offered. Michigan Center for Continuing Education in Osteopathic Medicine, 900 Auburn Rd., Pontiac.

THURSDAY, JULY 17, 1980

MONDAY, MAY 12, 1980

11:30 a.m. Biochemistry colloquium: "Relationship Between DNA Replication and Excision Repair" by James Cleaver, Department of Radiology, University of California, San Francisco. Cosponsored with MSU Genetics Program. 101 Biochemistry.

4 p.m. Physiology seminar: "Basic Architecture of the Cell: the Microtubular Network" by John Wolsewick, Ph.D., Department of Anatomy, University of Illinois College of Medicine, Chicago. 101 Giltner.

TUESDAY, MAY 13, 1980

11:30 a.m. Faculty and Professional Development Program: "Sequential Testing: Using Microcomputers in Assessment of Student Learning" by Norman Bell, Ph.D. Until 1 p.m. Lunch is provided. RSVP by May 9 to Sharon Rochon, 517/355-9611.

4 p.m. Pharmacology and Toxicology seminar: "Central 5-Hydroxytryptamine and the Behavioral Effects of Hallucinogens" by Randall Commissaris, Department of Pharmacology and Toxicology, MSU. B448-9 Life Sciences.

WEDNESDAY, MAY 14, 1980

Workshop on Diagnostic Electron Microscopy in Pathology. This program will include practical demonstrations with hands-on experience of transmission electron and scanning electron microscopy and related topics. Enrollment limited to 40. Sponsored by the College of Human Medicine, College of Osteopathic Medicine, and Department of Pathology. Through May 16. Contact Shirley Siew, M.D., professor of pathology, A522 E. Fee Hall. Clinical Center.

8 p.m. "Surgery and Writing: the Challenge of Two Careers" by physician/author Richard Seltzer. Tower Room/MSU Union.

THURSDAY, MAY 15, 1980


12 p.m. "Surgeon as Artist" by physician/author Richard Seltzer. Surgery grand rounds/Ingham Medical Center.
THURSDAY, MAY 15, 1980

12 p.m. Medical Nutrition Series: "Obesity" by Stanley Garn, Department of Human Growth and Development, University of Michigan. A133 Life Sciences.

2 p.m. CME program: "Sun-Induced Skin Cancers in Humans: Tan-fast-iks and the PUVA Treatment of Psoriasis" by Chev Kidson, M.D., director, Queensland Institute of Medical Research, Brisbane, Australia. The program, which will deal with basic research on melanoma, includes a panel of experts. Cosponsored by College of Osteopathic Medicine and College of Human Medicine. Until 4:30 p.m. Conrad Auditorium.

8 p.m. Medical Humanities Seminar: "Surgery as Poetry" by Richard Seltzer, physician/author.

FRIDAY, MAY 16, 1980

11:30 a.m. Biochemistry colloquium: "Relationship Between DNA Repair and Cell Differentiation" by Chev Kidson, Queensland Institute of Medical Research, Brisbane, Australia. Cosponsored with the National Institute of Environmental Health Sciences. 101 Biochemistry.

12 p.m. Annual MSU-COM Alumni Luncheon, held in conjunction with annual MAOP&S scientific seminar. Reservations are available in the convention registration packet. For further information contact Sandy Kilbourn, Office of Alumni Information, 517/353-8822. Hyatt Regency, Dearborn.

8 p.m. 1980 Fee Follies, including skits, songs and other entertainment by persons from the MSU College of Osteopathic Medicine. Limited seating. Tickets available east of Fee grill during noon hours. Until 1 a.m. MSU Union Parlor A, B, C.

SATURDAY, MAY 17, 1980

8 a.m. Vetavisit: Open house of MSU's Veterinary Clinical Center. Until 5 p.m.

MONDAY, MAY 19, 1980

11:30 a.m. Biochemistry colloquium: "DNA Repair and the Induction of Tumors" by Anthony Pegg, Department of Physiology, Pennsylvania State University. Cosponsored with Colleges of Osteopathic Medicine, Human Medicine, Natural Science and Veterinary Medicine. 101 Biochemistry.

3 p.m. Second annual James M. Schwinghamer Memorial Lecture: "Continued Research on Skin and Muscles Circulatory Responses during Prolonged Hypovolemia" by Robert Bond, Ph.D., chairman, Department of Physiology, Kirksville College of Osteopathic Medicine. E106 Fee Hall.

TUESDAY, MAY 20, 1980

12 p.m. "Pediatrics Neuropathology — Development Defects" by Ellsworth C. Alvord, Jr., M.D., professor of pathology, University of Washington School of Medicine. A110 E. Fee.

4 p.m. Pharmacology and Toxicology seminar by Andrew Werber, Department of Pharmacology and Toxicology, MSU. B448-9 Life Sciences.
WEDNESDAY, MAY 21, 1980

9 a.m.  "Neuropathology Problem Solving Exercises." Until 12 p.m. E6 and E8 Fee Hall.

4 p.m.  Pathology seminar: "Models for Multiple Sclerosis: Experimental Allergic Encephalomyelitis" by Ellsworth C. Alvord Jr., M.D., professor of pathology, School of Medicine, University of Washington. A131 E. Fee.

WEDNESDAY, MAY 21, 1980

7:30 p.m.  Lansing areas pathologists meeting — neuropathology. A131 E. Fee.

THURSDAY, MAY 22, 1980

9:30 a.m.  Pediatric Neuropathology — Developmental Defects" by Ellsworth C. Alvord, Jr., M.D., professor of pathology, University of Washington School of Medicine. (Repeat of May 20 seminar). B317 W. Fee.

12 p.m.  Issues in Medical Nutrition: "Hospital Malnutrition" by C.E. Butterworth, M.D., chairman, Department of Nutritional Sciences, University of Alabama. A133 Life Sciences.

12 p.m.  "High Risk OB Conference: Neuropathology of Perinatal Birth Asphyxia" by Ellsworth C. Alvord, Jr., M.D., professor of pathology, University of Washington School of Medicine. Auxiliary Room, Sparrow Hospital.

4 p.m.  Microbiology and Public Health seminar: "A Computer—Graphic Approach to Evaluation of Protein Surfaces Used in the Study of Serine Proteases" by David Bing, Center for Blood Research, Boston. 146 Giltner.

SATURDAY, MAY 24, 1980

Surgical Stapling Course. Includes lecture, films, individual demonstrations, and a clinical practicum. Participants will perform gastric, colonic, rectal, small bowel and thoracic procedures at the MSU Veterinary Clinical Center. Sponsored by American College of Osteopathic Surgeons, MSU College of Osteopathic Medicine, United States Surgical Corporation and Auto Suture Company. Contact Joan Martin Alam, 517/353-7782. Kellogg Center for Continuing Education.

TUESDAY, MAY 27, 1980

Pharmacology and Toxicology seminar by James A. Swenberg, Chemical Industry Institute of Toxicology, Research Triangle Park, NC. B448–9 Life Sciences.
ANN WEAVER, a second-year MSU-COM student, was state gymnastics champion in Michigan in 1973, captain of the MSU gymnastics team, and Big Ten champion on the uneven parallel bars and in vaulting. She also enjoys tennis, racquetball, jogging and skiing. She competed in gymnastics for four years in high school and four years at MSU.

RAUL RODAS, a first-year student, represented the United States in gymnastic competition in Germany, Switzerland, England, France and Mexico. He was named "Prep All American" for four years. He also participates in marathon running and cross-country cycle races.
NATIONAL OSTEOPATHIC MEDICINE WEEK JUNE 1-7

June 1-7, 1980, has been designated National Osteopathic Medicine Week by the American Osteopathic Association.

Plans are underway nationally for special medical screening tests, open houses, demonstrations and a variety of other activities designed to acquaint the public with osteopathic medicine's contributions to society.

The profession presently supports 14 osteopathic medical schools, 211 hospitals, 18,000 practicing physicians and more than 20 million patients in the United States.

The observance comes at graduation time for 1,059 new D.O.s this year. The rapidly increasing number of graduates makes osteopathic medicine the fastest growing health care profession in the United States. It is anticipated to burgeon from 18,000 to 30,000 D.O.s during this decade.

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MSU OFFERS CPR FOR INTRAMURAL ATHLETES

Michigan State University students will be offered an extra measure of health safety both on and off the sporting field this spring.

Lawrence M. Jarrett, D.O., acting director of MSU's Olin Health Center, reports that every intramural sporting event this spring, both indoors and out, will be attended by a person trained in cardiopulmonary resuscitation.

Dr. Jarrett also said that this fall is the target date for training key residence hall personnel in CPR techniques, staffing each floor with a CPR-competent resident assistant. Hall directors and head advisers will also receive instruction in these life-saving techniques.

Plans are also underway for a basic first aid program, Dr. Jarrett said.

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NFME PROPOSALS FOR INNOVATIVE GRANTS AND FELLOWSHIPS IN MEDICAL EDUCATION

The National Fund for Medical Education is accepting proposals for educational experiments to begin in 1981. The deadline for project proposals is October 1, 1980.

Current priority is being given to projects that show promise of containing the cost of health care without compromising its quality. Improving the educational process is also given high priority, with particular emphasis on continuing medical education and management of "information overload" resulting from advanced diagnostic technology.

One-year fellowships are also available for postdoctoral students who plan careers in academic medicine. Deadline for these fellowship applications is November 1, 1980.

Directions and application forms may be obtained from Perry Parkhurst, Ph.D., 336 E. Fee Hall, or by writing the National Fund for Medical Education, 999 Asylum Avenue, Hartford, Connecticut, 06105.

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GARY WEBER WINS MAP-READER'S DIGEST
INTERNATIONAL MEDICAL FELLOWSHIP

Gary Weber, a second-year student in the MSU College of Osteopathic Medicine, is one of 32 medical students from the United States and Canada to be awarded the MAP-Reader's Digest International Fellowships.

The fellowship program allows students to take part in the daily responsibilities as members of a hospital or clinic staff in rural parts of the Third World. This provides the students with first hand knowledge of health problems in segments of the world population that have the least access to adequate medical care.

Weber will serve as a member of the staff of Tintswalo Hospital in East Transvaal from June through August.

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FACULTY, STUDENTS FROM MSU-COM
ATTEND WORKSHOP ON COUNTERSTRAIN

Faculty and students from the MSU College of Osteopathic Medicine attended a weekend workshop on "Counterstrain," presented by Harold Schwartz, D.O., April 25-27 at Doctors Hospital North, Columbus, Ohio.

Those from MSU attending included John Goodridge, D.O., professor of biomechanics; William Pintal, D.O., assistant professor of biomechanics; and Gary Campbell, D.O., associate professor of family medicine.

Second-year students Cheryl Blaisus, Sister Anne Brooks, and Maureen Thomson, and third-year student Jill Hendra also participated.

The Great Lakes Academy of Applied Osteopathy sponsored the program.

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SEMINAR IN CRANIAL OSTEOPATHY
SET FOR SEPTEMBER 8-12

The MSU Undergraduate American Academy of Osteopathy is sponsoring a seminar in cranial osteopathy, featuring Viola Frymann, D.O., from the College of Osteopathic Medicine of the Pacific.

The seminar will be held for five days and three evenings September 8 - 12 at MSU.

At present the workshop is open to students only, with few spaces open. Experienced table trainers are needed.

Persons interested in participating should write UAAO co-coordinators Jane Harris or Dan Bensky, in care of the Office of Student Affairs at MSU-COM.
SAA OFFICERS TO BE INSTALLED MAY 20

New officers, elected by the Students' Associates Auxiliary April 30, will be installed on May 20 at a meeting at Lake of the Hills Clubhouse.

Mrs. A. A. Grilli, national adviser of the SAA, will perform the installation.

Newly elected officers include: Barbara Fici, president; Melodie Dregansky, vice president; Teresa Perez, secretary; and Gail Tenorio, treasurer.

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NATION'S FIFTEENTH OSTEOPATHIC COLLEGE ESTABLISHED IN FLORIDA

The fifteenth osteopathic medical school in the nation, the Southeastern College of Osteopathic Medicine, will be established in North Miami Beach, Florida.

Preaccreditation status is being sought from the American Osteopathic Association, with the expectation that the first class of medical students will enter in September 1981.

Morton Terry, D.O., of Miami has been named president of the new institution, and Arnold Melnick, D.O., a pediatrician from Philadelphia, was made its dean.

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MEDICAL EQUIPMENT BEING COLLECTED TO AID NICARAGUAN PEOPLE

Medical equipment of all kinds is being collected to aid a critical shortage in Nicaragua through a nationwide coalition of organizations and individuals involved in support work in that country.

Boxes are available for equipment in the Offices of Student Affairs in both the College of Osteopathic Medicine and College of Human Medicine. Persons wishing to donate money should make checks payable to Humanitarian Aid for a Nicaraguan Democracy.

For further information, contact Steve Pollens, Year III CHM student, at 485-6520.

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MT. CLEMENS HOSPITAL OPENS NEW TOWER FOR PATIENT CARE

On Sunday, May 11, a new four-story patient tower was dedicated at Mt. Clemens General Hospital in honor of the late Campbell A. Ward, D.O.

Dr. Ward was one of the early founders of the original facility on Macomb Street, the first osteopathic general hospital in Macomb County.

The tower will include a pharmacy, dietary facility, telephone computer room, chapel, gift shop, conference center, medical records, utilization review, medical library and audiovisual, nursery and obstetrics, a surgical floor and a medical floor.
John M. Hunter, Ph.D., professor of community health science, has been awarded a Senior Fulbright Hays Fellowship tenable at the University of Sierra Leone. He will introduce medical geography at Fourah Bay College and at Njala University College, and will do research on village health systems.

Charles Tweedle, Ph.D., associate professor of anatomy and of zoology, was invited to present two research lectures at the University of Rochester Medical School April 8 and 9. The titles of his presentations were "Studies on the Development of Complexity in the Neuromuscular Junction" and "The Role of Neuroglial Cells in the Modulation of Neurohypophysial Hormone Release."

He and Glenn I. Hatton, professor of psychology and director of the Neurosciences Program, are authors of "Evidence for Dynamic Interactions Between Pituitary and Neurosecretory Axons in the Rat," published in Neuroscience 5:661-667.


Dr. Sander spoke at the OB-Gyn Clinic Day on "The Clinical Impact of Placental Evaluation" sponsored by Providence and Mt. Carmel Mercy Hospitals of Detroit on March 26. His talk was entitled "Anemias, Coagulopathies, Hemorrhagic and Granulomatous Placentitis."

He also was a guest speaker at the spring meeting of the Southwestern Michigan Perinatal Association, where he discussed "Perinatology: Looking to the '80s," and conducted a seminar on "Placental Dysfunction."

George A. Gross, D.O., professor of community health science, has passed the certifying board examination and been made a fellow of the American Board of Quality Assurance and Utilization Review.

Robert C. Brichtson, Ph.D., professor, Office of Medical Education Research and Development, was a speaker and discussant on six panels at the 33rd annual Conference on World Affairs at the University of Colorado April 7-11. Panel topics included wellness, medical education, folk culture in Mexico, terrorism and violence by region, public policy and human sexuality, and art as a business.

Dr. Brichtson was a panelist on Third World health care in a 30-minute program aired April 20 and 22 on WKAR radio. He also made a presentation on "Social Issues in Alternative Health Care Future" at the North Central Sociological Association meetings, held May 1 in Dayton, Ohio.

Joan C. Mattson, M.D., professor of pathology, gave a poster presentation at the Michigan Electron Microscopy Forum Spring Symposium held at Kellogg Center Friday, May 9. The title of her presentation was "The Cytoskeleton of Contact Activated Platelets."

Joyce M. Johnson, M.A., third-year osteopathic medical student, has begun a six-week Student Osteopathic Medical Association/American Osteopathic Association preceptorship at the Mayo Clinic in Rochester, Minnesota. She also has published an article in the March 1980 issue of The Nazarene Doctor on Papua New Guinea medicine.

Malcolm E. Williamson, D.O., clinical associate professor in the Department of Osteopathic Medicine, attended the Central Chapter meeting of the Society of Nuclear Medicine, held March 27-29 in St. Paul, Minnesota. The topic of the meeting was radionuclide tomography and recent advances in nuclear medicine.

Teresa Bernardez, M.D., professor of psychiatry, has been invited by UNITAR (United Nations Institute for Training and Research) to their seminar on "Creative Women in Changing Societies." The program will be held in Oslo, Norway from July 9-12.

Robert W. Leader, D.V.M., professor and chairman of pathology, recently presented two lectures as the annual invited speaker to the Iota Chapter of Phi Zeta veterinary honorary at Washington State University. An alumnus of WSU, Dr. Leader presented a review of the research and training programs he started there, and other items from his career as a comparative pathologist.

He also was recently appointed to be the monitor for the annual program in comparative pathology presented at the meeting of the International Academy of Pathology. He will be responsible for developing programs for each of four years.

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**GIFTS AND GRANTS**

The following medically-related gifts and grants were among those accepted by the Michigan State University Board of Trustees at its meeting April 25, 1980.

**Biomechanics**

Genesee Intermediate School District
—To support research in cranial-sacral dysfunction/ J.E. Upshinger

**Office of Medical Education Research and Development**

Division of Medicine, Public Health Service
—To design a comprehensive program in faculty development for family medicine/ R.G. Bridgman

West Virginia School of Osteopathic Medicine
—Assessment of problems and priorities in osteopathic principles education/ S.A. Sprafka, R.C. Ward

**Microbiology and Public Health**

Diamond Laboratories, Inc.
—Response to a streptomycin-dependent pneumonia Pasteurellosis vaccine/ G.R. Carter

**Physiology**

National Institute on Aging
—Institutional allowance (Joseph Meites, sponsor)/ W. Sonntag

**Psychiatry**

Michigan Department of Mental Health
—Residency training program development/ F. Westendorp