ON THE COVER

Philip E. Greenman, D.O., associate dean at MSU-COM, assists Eric Luria, M.D., a family practitioner from Washington, during a practice session in the "Basic Principles of Manual Medicine" course. The course was held during December at MSU.

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Michigan State University is an equal-opportunity/affirmative action institution.
INTEREST IN MANUAL MEDICINE BURGEONS
WITH BASIC COURSES OFFERED THROUGH MSU-COM

They came from Montreal to Atlanta, from California to Florida — experienced M.D.s, D.O.s and physical therapists — to learn how to do better medicine with their hands.

For a week they were immersed in learning the basic psychomotor skills essential to the practitioner of manual medicine — screening exams, structural evaluations, palpation of soft tissue, resistant barriers, muscle energy techniques, trigger points, and others.

The course, "Basic Principles of Manual Medicine," provided both the opportunities for manual medicine practitioners to update their skills and for novices to learn the basic concepts of the art.

Thirty-three persons including 12 M.D.s, nine D.O.s, and 11 physical therapists were enrolled in the workshop, offered by the MSU medical schools in conjunction with the North American Academy of Manipulative Medicine. The course was held at MSU's Kellogg Center December 8-12.

The course is representative of MSU-COM's approach to continuing medical education, with emphasis on hands-on training and practice sessions for the physicians.

Faculty for the program included Myron Beal, D.O., professor of biomechanics from the MSU College of Osteopathic Medicine; John Bourdillon, F.R.C.S., former senior consulting orthopedic surgeon, Gloucester, England; Philip Greenman, D.O., associate dean and professor of biomechanics at MSU-COM; Paul Kimberly, D.O., Steinernberg Professor and chairman of the Department of Osteopathic Theory and Methods, Kirkville College of Osteopathic Medicine; and John Mennell, M.D., past president of the North American Academy of Manipulative Medicine.

Eric Luria, M.D., a physician from Gig Harbor, Washington, was experiencing his first exposure to manual medicine and was enthusiastic about the course. He expects to incorporate manipulative procedures in his practice, and sees its use as an extension of his abilities.

"I was feeling the need professionally to get back to the horse's mouth," was the comment of Carl Steele, a physical therapist from Detroit. "Much of what we do is based on osteopathic principles, and I wanted to improve the use of these manual techniques in my practice."

Repeat sessions of the basic principles course are scheduled for June 15-19, 1981, and December 14-18, 1981, at MSU. For further information, contact Sandy Kilbourn, M.A., coordinator for continuing medical education, MSU-COM, A333 E. Fee Hall, East Lansing, Michigan, phone 517/353-8822.
ED CONLEY TAKES HONORS IN MSU RESEARCH PROGRAM

Osteopathic medical student Edward Conley has taken highest honors in a biomedical research program at Michigan State University.

Conley and veterinary student Susan Frazier each received a $500 travel award as the top competitors in MSU's first Biomedical Student Research Forum. Four other students gained special recognition.

The award winners were among 49 medical students who conducted advanced biomedical research with faculty members in MSU's Biomedical Student Research Program. Funded by a five-year grant from the National Institutes of Health, the Michigan Heart Association, and other agencies, these students were awarded fellowships to work as researchers full-time in laboratories across the campus.

The 20 students presenting papers in the research forum were selected initially by review of their abstracts and research reports by experts in their fields. A panel of seven scientists judged the presentations at the forum.

Conley's paper, titled "Hormone-Induced Growth of Grafts of Human Mammary Gland Maintained in the Athymic 'Nude' Mouse," was prepared with faculty mentor Clifford W. Welsch of the Department of Anatomy. His research focused on the development of an animal system to study human breast cancer.

Conley implanted small, thin slices of normal human breast tissue in a strain of mice that does not reject foreign tissue grafts. Near this implant, he placed another tissue which was capable of producing the hormones — estrogen, prolactin and growth hormone — which the breast graft needed to survive.

"The research is significant," Conley said, "because it is one of the first times human tissue has been successfully maintained in lower animals. Ultimately we hope to achieve milk-producing human breast tissue that can be used to test what causes breast cancer, how it can be prevented, and how it can be treated."

Frazier, who worked with Margaret Jones in the Department of Pathology, presented "Carrier Detection in Caprine Beta-Mannosidosis."

Honorable-mention participants in the research forum included veterinary students Jeffrey Schultz, Ray Pawlisch, James Waldsmith, and M.D. student Mary Kazanski.

Judges for the forum included Lawrence Aronson of the Department of Medicine; Philipp Gerhardt, associate dean for research at MSU-COM; Robert Leader, associate dean for research, College of Veterinary Medicine; Frank Welsch of the Department of Pharmacology and Toxicology; Gordon R. Carter of the Department of Microbiology and Public Health; Lynne Weaver of the Department of Physiology, and David Bohr from the University of Michigan.

Other students from the College of Osteopathic Medicine selected to participate in the research forum included:

— Brent Allen and Lawrence Sills: "Pain and Patient Suggestibility in Relation to Osteopathic Manipulative Therapy and Jacobsonian Relaxation Technique."
- Crisostomo Armada: "The Effect of Unsaturated Fatty Acid Infusion on in vivo Lipid Peroxidation in Preterm Infants as Measured by Ethane and Pentane Production."


- Brenda Rogers: "Effects of Insulin-Dependent Skeletal Muscle Glucose Transport During Live E. coli Bacteremic Shock in the Dog."

- Kirk P. Swabash: "Effects of Chronic Propranolol and Desipramine Treatment on Brain Beta-Adrenergic Sites."

- Sally Symanski: "Action of Penicilllic Acid on Na, K-ATPase in Beating Heart Cells."


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MSU BIOCHEMIST RECEIVES 5-YEAR RESEARCH AWARD FROM AMERICAN CANCER SOCIETY

A prestigious five-year faculty research award from the American Cancer Society has been presented to a young Michigan State University scientist, Dr. John Wang, assistant professor of biochemistry.

The $152,294 grant for salary support will enable Dr. Wang to further his research on growth control in normal and in neoplastic (cancer) cells.

Dr. Wang will analyze interaction of a fibroblast growth regulatory factor (FGRF), which he has partially purified, with its target cells. He will study cellular sites of action and the biochemical mechanisms of the FGRF, and compare its effects on normal and on cancer cells.

Born in Hunan, China, Dr. Wang was graduated from Dartmouth and earned his Ph.D. at Rockefeller University, where he served on the biochemistry faculty from 1973 to 1978. His MSU teaching assignments include biochemistry instruction for students in the College of Osteopathic Medicine.
HOSPITAL VISITATION DAY
WEDNESDAY, JANUARY 21

Hospital Visitation Day will be held at the MSU College of Osteopathic Medicine from 10 a.m. to 2 p.m., Wednesday, January 21, in E105-107 Fee Hall.

Representatives from osteopathic hospitals throughout the country have been invited and will be available to discuss opportunities for internships and residencies offered at their institutions.

The event is being organized through the MSU-COM Office of Student Affairs. For further information, call 517/353-7741.

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MSU PROFESSORS RESEARCH
NEW DIAGNOSIS FOR GLAUCOMA

A two-year research project to devise and test a new form of diagnosis of glaucoma has been begun by Gary L. Cloud, Michigan State University professor of metallurgy, mechanics and materials science.

Assisting him in the work, sponsored by the U.S. National Eye Institute with a grant of $77,000, is Jack M. Hamelink, who received his doctorate in mechanics in 1968 and first suggested the possible new diagnosis. Hamelink serves as adjunct professor in the MSU department, while continuing his work with the General Motors Corporation managerial education services in Flint.

Glaucoma is a vision problem which can lead to blindness and which is caused by increasing pressure in the eye due to excessive amounts of fluid. The optic nerve and tissue can degenerate, causing a gradual loss of sight. The disease often eludes early detection.

The MSU team has tested the use of diffused laser beam on the eyes of dead swine, and plan to conduct additional studies working with Waldo F. Keller, professor of small animal surgery and medicine, and assistant dean in the College of Veterinary Medicine.

"There is no direct contact with the eye, in the use of our diffused Laser-Doppler velocity measurement," Cloud said. "We are experimenting with the technique long to use to monitor air pollution and to measure fluid flow. Here, we will use sound energy to vibrate the surface of the eye and determine the response, for indications of excessive fluid."

The amount of laser radiation involved, said Cloud, is below the threshold of possible damage to the eye, according to standards set by the National Institutes of Health and the Occupational Safety and Health Administration.

"Our procedure is less traumatic than conventional procedures," he added. "There is no need for the head to be stationary. The light intensity level is as from a small light and is not directed straight into the eye."

The researcher hope to design an instrument to incorporate use of the diffused laser beam and sound energy source.

Clinical applications which should be possible following the completed research, said Cloud, are more frequent monitoring of glaucoma treatment, and large scale screenign of older people, who are more likely than younger people to have glaucoma.
SUNDAY MARCH 8, 1981

"Stress and Its Effect on Musculoskeletal Pain," featuring stress as it affects the biomechanics of the neck and low back and its pain manifestations. Contact Sandy Kilbourn, 517/353-8822 for information. Approved for seven hours Category I CME credit by MSU-COM. Kellogg Center for Continuing Education, MSU.

MONDAY, MARCH 9, 1981

4 p.m. Biochemistry seminar: "Regulation of Biological Processes by Protein Phosphorylation" by Edwin G. Krebs, Department of Pharmacology, University of Washington, Seattle. 101 Biochemistry.


TUESDAY, MARCH 10, 1981

4 p.m. Pharmacology and Toxicology and Interdepartmental Cardiovascular Training Group seminar: "Organization of Preganglionic Vagal Cardiomotor Neurons and Their Reflex Control" by Robert Wurster, Department of Pharmacology, Stritch School of Medicine, Loyola University. B448-9 Life Science.

SATURDAY, MARCH 14, 1981

"Basic Osteopathic Principles and Applications in the Hospital Environment" sponsored by Detroit Osteopathic Hospital. For information contact Linda Braun, 313/252-4823. 12532 Third Avenue, Detroit; eighth floor auditorium.

MONDAY, MARCH 16, 1981

4 p.m. Radiology visiting professor: Leonard Holman, M.D., professor of radiology, Harvard University. Film-reading and dinner precede the presentation. RSVP Dr. Gilles, Western Michigan Radiologic Society, 616/774-1774. Grand Rapids Peninsular Club.

SUNDAY, MARCH 22, 1981

Fourth annual conference sponsored by Department of Pediatrics, MSU-COM. Topics include radiology of athletic injuries, pediatric radiology, and radiology and child abuse. Program chairman is Frank Schneiderman, D.O. Approved for eight hours Category I credit by MSU-COM. Contact Sandy Kilbourn, 517/353-8822. Kellogg Center, MSU.

SATURDAY, MARCH 28, 1981

"Seminar in General Practice" sponsored by Osteopathic General Practitioners of Michigan. Through March 29. For information, contact Duane Tester, Michigan Center for Continuing Education in Osteopathic Medicine, 313/335-7742. Radisson Inn, Saginaw.
MONDAY, JANUARY 12, 1981

1:30 p.m. Center for Environmental Toxicology seminar: "Current Research with Formaldehyde at CII" by James E. Gibson, vice president and director of research, The Chemical Industry Institute of Technology, Research Triangle Park, North Carolina. A133 Life Sciences.

4 p.m. Biochemistry seminar: "Oxygen Activation by Flavin-containing Monoxygenases" by Vincent Massey, Department of Biochemistry, University of Michigan. 101 Biochemistry.

TUESDAY, JANUARY 13, 1981

4 p.m. Pharmacology and Toxicology seminar: "Role of the α2-adrenoreceptor in Endogenous Depression" by Charles B. Smith, Department of Pharmacology, University of Michigan. B448-9 Life Sciences.

MONDAY, JANUARY 19, 1981

4 p.m. Biochemistry seminar: "Biochemical Events in Sensory Transduction in Bacteria" by F. W. Dahlquist, Institute of Molecular Biology, University of Oregon at Eugene. 101 Biochemistry.

TUESDAY, JANUARY 20, 1981

4 p.m. Pharmacology and Toxicology seminar: "Microwave Energy Radiation: A Probe for the Neurobiologist" by David Schneider, Department of Pharmacology, Wayne State University. B448-9 Life Sciences.

MONDAY, JANUARY 26, 1981

4 p.m. Biochemistry seminar: "Function of the Iron-Sulfur Protein of the Cytochrome-bc1 Complex in Electron Transfer and Energy Conservation" by Bernard L. Trumpower, Department of Biochemistry, Dartmouth Medical School. 101 Biochemistry.

TUESDAY, JANUARY 27, 1981

MONDAY, FEBRUARY 2, 1981

Michigan Heart Association seminar: "Cardiology for Primary Care Clinicians." Through February 5. For information, contact Eleanor D. Peterson, Michigan Heart Association, Box 160-LV, Lathrup Village, Michigan, 48076; phone 313/557-9500. Boyne Mountain, Boyne Falls, Michigan.

4 p.m. Biochemistry seminar: "Control of Cell Surface Mobility in Lymphocytes" by Elliot Elson, Department of Biological Chemistry, Washington University. 101 Biochemistry.

TUESDAY, FEBRUARY 3, 1981

4 p.m. Pharmacology and Toxicology seminar by Dean Haubrick, Merek Institute for Therapeutic Research, West Point, Pennsylvania. B448-9 Life Sciences.

THURSDAY, FEBRUARY 5, 1981

"Medical Profiles in Family Practice" through February 8. Program chairman is Sander A. Kushner, D.O., presented by Osteopathic General Practitioners of Michigan. For information, contact Duane Tester, Michigan Center for Continuing Education in Osteopathic Medicine, 313/335-7742. 14 hours CME credit requested. Sugar Loaf Mountain Resort, Cedar Michigan.

SATURDAY, FEBRUARY 7, 1981

9 a.m. "Rheumatology Update" by Donald Briner, D.O., and "Current Problems in Gastroenterology" by Howard Dean, D.O., both of MSU-COM. Approved for six hours Category I CME credit by MSU-COM. Contact Sandy Kilbourn, 517/353-8822. Saginaw Osteopathic Hospital.

MONDAY, FEBRUARY 9, 1981

4 p.m. Biochemistry seminar: "Light–Dark Modulation of Enzyme Activity in Chloroplasts: the LEM System" by Louise Anderson, Department of Biological Chemistry, University of Illinois Circle Campus, Chicago. 101 Biochemistry.

TUESDAY, FEBRUARY 10, 1981

4 p.m. Pharmacology and Toxicology seminar: "Neuropeptide Receptors in the Gut" by Richard Miller, Department of Pharmacology, University of Chicago. B448-9 Life Sciences.

TUESDAY, FEBRUARY 17, 1981

12 p.m. Pharmacology and Toxicology and Interdepartmental Cardiovascular Training Group seminar: "Participation of the Area Postrema in the Central Regulation of Cardiovascular Function" by Carlos Ferrario, Hypertension Department, Cleveland Clinic. B448-9 Life Sciences.
SATURDAY, FEBRUARY 21, 1981

8 a.m. "Human Sexuality for the Clinical Practitioner — Sexual Attitude Reassessment II," sponsored by the Student Osteopathic Medical Association. Through 5 p.m., February 22. The program will help health professionals examine their own attitudes about sexuality, and help them deal with sexual dysfunction in their clients.

9 a.m. "Rheumatology Update" by Donald Briner, D.O., and "Current Problems in Gastroenterology" by Howard Dean, D.O., both of MSU-COM. Approved for six hours Category I CME credit by MSU-COM. Contact Sandy Kilbourn, 517/353-8822. Muskegon Holiday Inn.

MONDAY, FEBRUARY 23, 1981

"St. Thomas Adventure," a varied CME program for practicing physicians coupled with a week in the Virgin Islands. Topics include psychiatric issues, an OMT tutorial, endoscopy, innovations in emergency care, cost containment, children in sports and pulmonary function studies. Sponsored by the MSU-COM Alumni Association. Through March 2. Contact Sandy Kilbourn, 517/353-8822. Approved for 20 hours Category I CME credit through MSU-COM.

TUESDAY, FEBRUARY 24, 1981

4 p.m. Pharmacology and Toxicology and Interdepartmental Cardiovascular Training Group seminar: "Is There a Brain Stem Respiratory Oscillator?" by Jack Feldman, Department of Physiology, Northwestern University. B448-9 Life Sciences.

MONDAY, MARCH 2, 1981

4 p.m. Biochemistry seminar: "Non-Invasive $^{31}$P NMR and Optical Studies on Large and Small Animals" by Britton Chance, ACS Distinguished Lecturer, Johnson Research Foundation, University of Pennsylvania, Philadelphia. 138 Chemistry.

TUESDAY, MARCH 3, 1981

4 p.m. Pharmacology and Toxicology and Interdepartmental Cardiovascular Training Group seminar: "Neurotransmitters in Autonomic Spinal Pathways" by Donald Franz, Department of Pharmacology, University of Utah. B448-9 Life Sciences.

PHYSICIANS’ ROLE KEY
IN CHILD AUTO SAFETY

Primary care physicians have an obligation to encourage the use of "car seats" and safety belts for children, according to a pediatrician at the Michigan State University College of Osteopathic Medicine.

Gerard Breitzer, D.O., emphasized that as many as 90% of the injuries — including fatalities — sustained by children in automobile accidents could have been prevented by the proper use of safe restraint devices.

"More than 1,000 children under five die each year as vehicle occupants," Breitzer said, "and at least another 70,000 are injured. Automobile accidents are the primary preventable killer of children over one year of age."

Breitzer particularly noted the importance of dispelling the myth held by many parents that a baby may safely travel in an adult's arms.

"The most dangerous way for a child to ride in a car is in the lap of an unrestrained adult," he said. "A 110-pound mother in an accident at 30 miles an hour will crush her child against the dashboard with 3,300 pounds of force."

He also noted tests conducted by the Highway Safety Research Institute in Michigan in which adult male and female volunteers, even properly restrained themselves, were unable to hold onto a 17-pound dummy "baby" in a 15-mile-per-hour impact.

Some of the suggestions to physicians offered by Breitzer for patient education include:

— Have on display posters, pamphlets and a safe infant/toddler car seat, and make sure office staff understand their importance.

— Compare immunizations against disease with "immunization" from accident with car seats and safety belts, clearly explaining how children are at much greater risk from in-car injuries than any single disease.

— Write a prescription for a safe car seat, emphasizing its importance.

— Distribute a list of local retailers selling safe car seats and include information on local area rental programs. Encourage car seats as an appropriate gift for new babies.

— Encourage local hospitals to educate new and expectant parents on car safety, and to sell car seats in the gift shop.

— Insist that any infant you deliver leave the hospital in a safe restraint. Teach hospital staff and parents the importance of the first ride being a safe ride.

— Emphasize to parents that children are better behaved while riding in a safety restraint device.

Breitzer is a member of the executive committee and chairman of the legislative committee of the Michigan Child Passenger Safety Association. He also is co-coordinator of the "First Ride, Safe Ride" program of the Michigan chapter of the American Academy of Pediatrics.

Physicians interested in more information, free literature or assistance in promoting the use of infant restraint seats may contact Dr. Breitzer at 517/353-3100 or Judy Nyberg, Michigan Office of Highway Safety and Planning, 517/322-1942.
FACULTY LISTED FOR NEW
DEPARTMENT OF INTERNAL MEDICINE

The following faculty members have become part of the new Department of Internal Medicine in the College of Osteopathic Medicine, effective January 1. Acting chairman of the department is Donald Briner, D.O.

Donald H. Briner, D.O., professor and acting chairman - rheumatology
John M. Costantino, D.O., assistant professor - nephrology
Howard A. Dean, D.O., assistant professor - gastroenterology
John Gobel, D.O., assistant professor - internal medicine
Edward Heuble, D.O., assistant professor - cardiology
John W. Morlock, D.O., assistant professor - pulmonary
Ralph Otten, D.O., professor - internal medicine
George Ristow, D.O., associate professor - neurology
Michael Sams, D.O., cardiology fellow
James R. Yarnal, D.O., Ph.D., assistant professor - pulmonary

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MSU-COM FACULTY
REELECTED AAO OFFICERS

Lon A. Hoover, D.O., associate professor of family medicine, has been reelected secretary and John P. Goodridge, D.O., professor of biomechanics, has been reelected treasurer of the American Academy of Osteopathy.

The elections were held at the annual membership meeting of the AAO, November 12, in Las Vegas. The national headquarters of the AAO is in Colorado Springs, Colorado.

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GOVERNOR DECLARES OSTEOPATHIC SEAL WEEK IN MICHIGAN

Michigan's Governor William G. Milliken declared November 16-22 as Osteopathic Seal Week in Michigan.

The declaration urges public support of the osteopathic seal campaign, which since 1931 has been used to help finance the professional education of osteopathic students.

"Quality health care is closely related to the number of physicians able to serve our citizens and the quality of their education," the declaration states. "Osteopathic seals help assure that health care practitioners will be well trained and available to the people."

(L to R): Ginny Johnson, Southfield, osteopathic seals chair; Milliken; Helen Ward, state auxiliary chair.
LOCAL AUXILIARY PRESENTATION
CAPS NATIONAL AWARD

Some muppets with a message won national recognition for the Auxiliary to the Ingham County Association of Osteopathic Physicians and Surgeons.

Their puppet show — "David and Donna Learn About Good Nutrition" — won national audiovisual award from the Auxiliary to the American Osteopathic Association. The 23-minute show was videotaped at the MSU College of Osteopathic Medicine.

Using exquisitely hand-made puppets and an original lyrics and script, the show educates children about the basic four food groups and their importance. Copies of the tape are available. For information, contact Judy Kay, county auxiliary president, at 349-9282.

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1981 YEARBOOK STAFF SEEKING DONATIONS FOR PUBLICATION

To aid the production of the yearbook for the Class of 1981 and to maintain the tradition, the staff is requesting contributions for support. Donations of ten, twenty-five or fifty dollars are tax-deductible and will be greatly appreciated, said editor Scott Carlson.

Checks should be made payable to: COM 81/Scott Carlson, c/o Office of Student Affairs, MSU-COM, A339 E. Fee Hall, East Lansing, Michigan, 48824.

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"IMPROPTU" VOLLEYBALL TEAM A TERROR ON THE COURTS

With two-thirds the numbers and nary an hour of practice, a tough team of MSU-COM students swept the semifinals in MSU intramural volleyball. Though the team only played four persons at a time, their conquests included all six-person teams — including one from the College of Human Medicine and a top-ranking group of physical education graduate students.

Member included (L to R) Marla Signs, Sheila Bernhardt, sub Debbie Lee; sub Chris Armada, Arnie Pone, and Greg Pecchiu.
MEMBERS OF ANATOMY DEPARTMENT
ACTIVE AT NEUROSCIENCE MEETINGS

Members of the Department of Anatomy were active at the neuroscience meetings of the American Society for Cell Biology, held in Cincinnati November 9-14. Nine faculty members, four graduate students and a postdoctoral fellow from the department attended and presented research papers in the area of neuroanatomy and neurophysiology. They included

- "Gap Junction Morphometry in the Rat Neurohypophysis with Dehydration" by David Friedenbach, Charles Tweedle and Glenn Hatton.


- "Collateral Arborization of Axons of Rat Striatal Neurons in the Globus Pallidus Studied by Intracellular HRP Labeling" by Howard T. Chang, Charles J. Wilson, and Kitai.

- "Collateral Input to the Neostriatum from Descending Axons of the Rat Somatie Sensory-Motor Cortex" by John P. Donoghue and Kitai.

- "Involvement of a Cortico-striatal Axon Reflex in the Responses of Striatal Neurons to Substantia Nigra Stimulation in the Rat" by Wilson, Chang and Kitai.

- "Excitatory Postsynaptic Potentials Recorded in Neurons of the Rat Caudate-Putamen from Stimulation of the Dorsal Raphe Nucleus Are Serotonerget" by Melburn R. Park, J. A. Gonzales-Vegas, James W. Lighthall and Kitai.

- "Evidence for Inhibition in Rat Neostriatal Brain Slices" by Lighthall, Park and Kitai.

- "Locus Coeruleus Neurons Have Axons that Branch to Both the Cerebrum and Cerebellum: an HRP and Iron Dextran Double-Labeling Study in the Mouse" by Steindler.

- "Goji Studies of Interneurons and Internuclear Projection Neurons in the Ventrolateral Subdivision of Trigeminal Nucleus Oralis" by William M. Falls and Julie King.

- Development of Complexity in Rat Neuromuscular Junctions" by Tweedle and K. S. Stephens.

- "Suckling Increases Direct Cell Apposition Between Neurosecretory Neurons in the Rat Supraoptic Nucleus" by Hatton and Tweedle.
Teresa Bernard, M.D., professor of psychiatry, participated in a "Women in Medicine" leadership workshop sponsored by the American Medical Women's Association, held in Boston, Massachusetts, November 5-7.


Elie D. Aboulafia, M.D., clinical associate professor of surgery from Southfield, has been elected as vice-president of the U.S. section of the International College of Surgeons at the annual meeting in Las Vegas November 5. He also has been appointed as chairman of the qualifications council.

Kay E. White, Ph.D., acting assistant dean of student affairs, spoke to the Mason Kiwanis Club on November 18 on the value of physical fitness, intramural and intercollegiate competition and the effect on the psychological and physiological development of girls and young women. She is immediate past president of the MSU Women's Sports Booster Club.

Louis E. Rentz, D.O., clinical professor in the Department of Osteopathic Medicine from Birmingham, has been certified by the American Board of Electroencephalography. He also has been appointed to the Subcommitte of Stroke of the American Heart Association for a one-year term. The committee's responsibilities include developing plans for national stroke programming and developing new stroke education materials.

Kathy Kolasa, Ph.D., associate professor of community health science, was the director of a National Science Foundation shortcourse for college professors on "American Nutrition Hassles." She taught at two sites — Mt. Holyoke, Massachusetts, and Temple, Pennsylvania — during the week of November 16. She also addressed the Rhode Island Nutrition Council about nutrition education and behavior change.

Joseph A. Papsidero, Ph.D., professor of community health science, presented a paper on "Interrelationship Between Long-term Care Data and Placement Decisions for Severely Functionally Impaired Persons," at the session on health status measurement at the annual meeting of the American Public Health Association in Detroit, October 22. He also was a coauthor with Sister Mary Honora Kroger, Ph.D., associate professor of community health science, and Marilyn Rothery of "Preparing Health Assistants for Service Roles in Long-term Care," which appeared in the October 1980 issue of The Gerontologist. Dr. Papsidero and Donald Tavano, Ph.D., associate professor of community health science, were coauthors with others of "Health Education and Medical Practice," a report to the Association of Teachers of Preventive Medicine."

A. L. Rogers, Ph.D., associate professor of microbiology and public health, of botany and plant pathology, and in the School of Medical Technology, and Everett S. Beneke, Ph.D., professor of microbiology and public health, are coauthors of Medical Mycology Manual with Human Mycoses Monograph, the fourth edition published by Burgess Publishing Company of Minneapolis. This is a textbook, reference book and manual.

Jennifer Huntsberger, M.S., supervisor of the electron microscopy facility, and David Friedenbach, assistant professor of anatomy, presented posters on "Evidence for Two Morphologically Defined Endocytotic Processes in One Cell Type" at the annual meeting of the American Society for Cell Biology, held in Cincinnati.
Glen Hatcher Jr., D.O., 1975 alumnus, has recently opened his office for the practice of ophthalmology at 15 E. Kirby, Suite 108, Detroit, Michigan, 48202. A staff ophthalmologist at Michigan Osteopathic Medical Center, he gave a presentation at the "Surgery in Detroit 1980" conference on October 18. His topic was "Recent Surgical Advances in the Field of Ophthalmology."

Cynthia A. Manninen and Donald E. Kring, osteopathic medical students, have announced their engagement. Both will begin internships at Mount Clemens General Hospital next year. A June 20 wedding is planned.

Gerard M. Breitzer, D.O., assistant professor of pediatrics, was a guest speaker at the Michigan Child Passenger Safety Conference, held November 13-15 in Troy. He discussed "The Physician's Role in Child Safety" and participated in a panel in "Failure to Protect Children: A Case of Neglect."

Jerry B. Hook, Ph.D., director of the Center for Environmental Toxicology and professor of pharmacology and toxicology, has been certified in general toxicology by the American Board of Toxicology. The certification, which qualifies him to assess health hazards to humans and animals, is the result of passing a three-part test administered by the board for the first time in August.

Ronald C. Simons, M.D., professor of psychiatry and adjunct professor of anthropology, presented a film and discussion at a conference on "Shamans and Endorphins" held in Montreal October 30 - November 1. The film, "Floating in the Air, Followed by the Wind," was produced at MSU with filmmaker Gunter Pfaff. Topic of his discussion was his work on phenomenological correlates of trance-induced analgesia in southeast Asia.

Thomas Trese, D.O., 1975 alumnus and a neurologist, spoke on "Office Neurology for the General Practitioner" at the Texas chapter of the American College of General Practitioners' meeting in Arlington. He also discussed "Vascular Headaches and Their Treatments" at the "Headache Symposium" held in Dallas this summer by the Texas College of Osteopathic Medicine.

Howard A. Dean, D.O., assistant professor of internal medicine, addressed the annual scientific meeting of the Michigan State Medical Society November 18 in Dearborn. His subject, "The Anatomy of Abdominal Pain," was part of a chronic abdominal pain seminar chaired by David S. Greenbaum, M.D., professor of medicine, MSU College of Human Medicine.

Karen Johnson, M.D., instructor and resident in psychiatry, was the key speaker at the workshop on "Career Development for Women in Pharmacy" November 1. Her topic was "Decision Making: Goal Setting and Assertiveness Training." On November 5, she was a co-leader of the annual workshop for pharmacist technicians on "Bridges to Utopia: Strategies for Personal and Professional Development," with Gloria Bouterse, Ph.D. Both workshops were sponsored by the Michigan Pharmacists Association.

Gerald G. Osborn, D.O., assistant professor of psychiatry, gave a lecture for the residency program at Traverse City State Hospital and a meeting of the Northwest Michigan Osteopathic Association on October 10-11. His topic was "The Differential Diagnosis and Treatment of Depression." Dr. Osborn also participated in the New York City Marathon October 26, with a finishing time of three hours, 53 minutes, four seconds.