1982
Continuing
Medical
Education
Issue

(Please Keep
For Future
Reference)
ON THE COVER... The many facets of continuing medical education are displayed in this cover sketch by MSU-COM student Val Johnson.

INSIDE THIS ISSUE...

3 1982 CME schedule: Expanded Program scope

4 1982 CME programs
   January 9: Office Management of Chronic Musculoskeletal Pain - Part I
   January 15: Update on OMT, Cardiology and Kidney Diseases
   January 20: Hazardous Materials: Emergency Medical Treatment
   January 23: Medical Perspectives of the Aging Process
   February 1: Basic Muscle Energy Tutorial
   February 6: Office Management of Chronic Musculoskeletal Pain - Part II
   February 27: Seminar in the Sun — Cancun
   March 20: Post-Traumatic Headache — Stress and Biomechanic Factors
   April 23: Tutorial on Myofascial Release Technique
   April 26: Advanced Muscle Energy Tutorial (Below Diaphragm)
   June 14: Basic Principles of Manual Medicine
   July 22: Intermediate Course on Craniosacral Technique
   August 23: Tutorial on Direct Action Thrusting
   September 6: Basic Muscle Energy Tutorial
   September 17: Fourth Annual Alumni Seminar
   September 22: American College of Osteopathic Obstetricians and Gynecologists
   October 25: Craniosacral Technique
   November 1: Advanced Muscle Energy Tutorial (Above Diaphragm)
   November 6: Sixth Annual Pediatric Conference
   November 8: Manual Medicine to the Extremities
   December 13: Basic Principles of Manual Medicine

11 Sports medicine clinic open to everyone

12 MSU anatomy department opens new electron microscopy lab
   Freeze-fracture unit aids membrane studies

14 People

15 Alumni

16 Instructional and faculty development seminars
   Exhibit on craniosacral mechanisms
   Elective clerkship in mountain pediatrics

COMMUNIQUE "Communique," a newsletter publication of the Michigan State University College of Osteopathic Medicine, is issued 18 times a year through Medicine and Health Information, A314 East Fee Hall, East Lansing, Michigan 48824; telephone 517/353-0820. Members of the Editorial Advisory Committee include Robert C. Ward, D.O. (chairman); Lon A. Hoover, D.O.; Sandy Kilbourn, M.A.; Gordon Spink, D.O., Ph.D.; Kenneth Stringer, D.O.; Jane A. Waldron; Kay E. White, Ph.D.; Nancy Houston, B.A. (editor), and Patricia Grauer, M.A. (managing editor). Circulation manager is Mary Palmer. Production is done by Connie Burch; photography by Dick Wesley. Date of publication of the next issue is Monday, January 25, 1982. Deadline for material to be included in that issue is noon, Wednesday, January 13, 1982.

Michigan State University is an equal-opportunity/affirmative action institution.
1982 CME SCHEDULE:
EXPANDED PROGRAM SCOPE

With an ever-broadening scope of continuing medical education programs offered by the MSU College of Osteopathic Medicine, the 1982 schedule includes courses ranging from aging to emergency treatment of hazardous materials effects. Of particular note is a strong emphasis on manual medicine, with courses in basic principles, muscle energy techniques, myofascial release, direct action thrusting, and craniosacral techniques.

Coordinator of the College's continuing medical education programs is Sandy Kilbourn, M.A.

Kilbourn noted that the College is maintaining its CME emphasis on programs with an interdisciplinary approach and "hands on" experience for participants, and is continuing to serve the CME needs of Michigan communities outside the Lansing and southeastern Michigan areas.

In addition, two new areas of programming will begin this year.

Grand rounds will resume on a semi-monthly basis beginning in the next few weeks, she said. These will include case presentations by clinical departments for faculty and students. Category I CME credit will be offered for these programs.

During winter term, some local adjunct clinical faculty will be invited to campus on an experimental basis for an individualized CME program which might include lectures, library and audiovisual review and laboratory experiences, Kilbourn said.

Faculty participating in these initial programs will be asked for a critical evaluation before the program is expanded, she noted.
1982 Continuing Medical Education
MSU College of Osteopathic Medicine

Below is the complete current listing of 1982 continuing medical education programs sponsored by the MSU College of Osteopathic Medicine. For information on any of these programs, contact Sandy Kilbourn, CME Cordinator, A329 E. Fee Hall, MSU-COM, East Lansing, 48824; (517) 353-8822.

JANUARY 9, 1982: "OFFICE MANAGEMENT OF CHRONIC MUSCULOSKELETAL PAIN"

Topics: Two-part series to provide family practitioners with information on office diagnostic procedures, treatment alternatives and pharmacological innovations applicable to musculoskeletal pain disorders.

Faculty: Philip Greenman, D.O., associate dean and professor of biomechanics, MSU-COM; Claude Oster, D.O., medical director, David Gordon, D.O., radiologist; Kevin Brown, D.O., associate physiatrist; Allan Morton, D.O., rheumatologist; and Lawrence Jacobson, D.O., associate medical director, all of the Pain Research and Control Institute, Southfield Rehabilitation Center.

Location: Clinical Center Auditorium, MSU

Accreditation: Six (6) hours Category I credit for M.D.s and D.O.s

Cosponsors: College of Human Medicine, and Pain Research and Control Institute, Southfield Rehabilitation Center

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JANUARY 15-16, 1982: "UPDATE ON OMT, CARDIOLOGY AND KIDNEY DISEASES"

Topics: OMT, cardiology, and kidney diseases

Faculty: John M. Costantino, D.O., assistant professor; and Edward T. Helble, D.O., assistant professor, both Department of Internal Medicine; Walter C. Mill, D.O., chairman and professor, Department of Osteopathic Medicine; and Robert C. Ward, D.O., professor, Department of Biomechanics, all MSU College of Osteopathic Medicine.

Location: Traverse City, Michigan

Accreditation: Eight (8) hours of Category I credit

Cosponsor: Traverse City (Michigan) Osteopathic Hospital.
JANUARY 20-22, 1982: "HAZARDOUS MATERIALS: EMERGENCY MEDICAL TREATMENT"

Topics: Handling and treatment of organic solvents, corrosives and pesticides, emergency response to disaster

Location: Kellogg Center for Continuing Education, MSU.

Accreditation: Nineteen (19) hours Category I for M.D.s; Category II for D.O.s

Cosponsors: College of Human Medicine, College of Nursing, MSU Center for Environmental Toxicology and MSU Community Development Programs.

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JANUARY 23, 1982: "MEDICAL PERSPECTIVES OF THE AGING PROCESS"

Topics: Psychological problems of the aging patient, the aging lung, considerations in caring for the institutionalized patient, the endocrine system in the aging patient, and pharmakinetics

Faculty: Robert Fedore, Ph.D., professor of community health science, MSU (chairman); Gail Riegel, Ph.D., assistant dean for curriculum, professor of physiology, MSU-COM; N. Edward Robinson, D.V.M., professor of physiology, MSU; Keith Demarest, Ph.D., assistant professor of physiology and pharmacology/toxicology, MSU; Gerald Osborn, D.O., assistant professor of psychiatry, MSU; William J. Pintal, D.O., general practitioner, Okemos, Michigan, assistant clinical professor, MSU-COM; and Charles Wolfe, executive vice president, Jewish Home for the Aged, Detroit, Michigan.

Location: Grand Rapids Osteopathic Hospital

Accreditation: Six (6) hours Category I credit

Cosponsors: Grand Rapids Osteopathic Hospital

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FEBRUARY 1-5, 1982 "BASIC MUSCLE ENERGY TUTORIAL"

Faculty: Philip Greenman, D.O., associate dean and professor of biomechanics, MSU-COM; Fred Mitchell, D.O., professor of family medicine, MSU-COM.

Location: Lansing General Hospital (Osteopathic), Lansing, Michigan

Addendum: Prerequisite: D.O. degree or prior attendance at a "Basic Principles of Manual Medicine" course. Enrollment limited to 20 participants

Accreditation: Forty (40) hours Category I credit

Cosponsor: MSU College of Human Medicine
FEBRUARY 6, 1982: "OFFICE MANAGEMENT OF CHRONIC MUSCULOSKELETAL PAIN — PART II"

Topics: Two-part series to provide family practitioners with comprehensive information on office diagnostic procedures, treatment alternatives and pharmacological innovations applicable to musculoskeletal pain disorders

Faculty: Philip Greenman, D.O., associate dean and professor of biomechanics, MSU-COM; Claude Oster, D.O., medical director, Karen Neuman, B.A., pain clinic coordinator, and Arnold Kelz, D.O., psychiatrist, all of Pain Research and Control Institute, Southfield Rehabilitation Center; Gary Ruoff, M.D., V.R. Vakhariya, M.D.

Location: Pain Research and Control Institute, Southfield, Michigan

Accreditation: Six (6) hours Category I credit for M.D.s and D.O.s

Cosponsors: MSU College of Human Medicine, and Pain Research and Control Institute, Southfield Rehabilitation Center

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FEBRUARY 27 - MARCH 7, 1982: "SEMINAR IN THE SUN — CANCUN"

Topics: Clinical update for practicing physicians

Faculty: Donald Briner, D.O., professor and chairman, Department of Internal Medicine; Joseph Walczak, D.O., associate professor of obstetrics and gynecology, MSU-COM, and others.

Location: Cancun, the site of ancient Mayan ruins on an island off Mexico's Yucatan Peninsula

Accreditation: Twenty (20) hours of Category I credit

Sponsor: Michigan State University College of Osteopathic Medicine Alumni Association

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MARCH 20, 1982: "POST-TRAUMATIC HEADACHE — STRESS AND BIOMECHANICAL FACTORS"

Location: Kellogg Center for Continuing Education, MSU

Accreditation: Category I credit

Cosponsor: Pain Research and Control Institute, Southfield Rehabilitation Center
APRIL 23-25, 1982: "TUTORIAL ON MYOFASCIAL RELEASE TECHNIQUE"

Topics: Basic concepts with direct experience giving participants opportunity to test motion and motion changes and palpate various tissues and forms.

Faculty: Robert Ward, D.O., professor of biomechanics and family medicine, MSU-COM; Anthony Chila, D.O., associate professor of family medicine, Ohio College of Osteopathic Medicine; John Peckham, D.O., associate professor, physical medicine and rehabilitation, Texas College of Osteopathic Medicine.

Location: Kellogg Center for Continuing Education, MSU.

Accreditation: Twenty-four (24) hours Category I credit for M.D.s and D.O.s

Cosponsor: Michigan State University College of Human Medicine

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APRIL 26-30, 1982: "ADVANCED MUSCLE ENERGY TUTORIAL (BELOW DIAPHRAGM)"

Topics: Examination, analysis and treatment of the lower extremities, pelvis, abdomen, and lumbar spine

Faculty: Fred L. Mitchell, D.O., professor of family medicine, MSU-COM and others.

Location: Lansing General Hospital (Osteopathic), Lansing, Michigan

Accreditation: Forty (40) hours Category I credit for M.D.s and D.O.s

Cosponsor: Michigan State University College of Human Medicine

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JUNE 14-18, 1982: "BASIC PRINCIPLES OF MANUAL MEDICINE"

Topics: Lectures, demonstrations, and practice sessions on the spine, pelvis, and extremities utilizing basic principles of manual medicine


Location: Kellogg Center for Continuing Education, MSU, East Lansing

Accreditation: Forty (40) hours Category I credit for M.D.s and D.O.s

Cosponsors: Michigan State University College of Human Medicine and North American Academy of Manipulative Medicine
JULY 22-26, 1982:  "INTERMEDIATE COURSE ON CRANIOSACRAL TECHNIQUE"

Topics: Intermediate training in craniosacral palpation techniques

Faculty: John Upledger, D.O., professor of biomechanics, MSU-COM; Richard MacDonald, D.O., private practitioner, Waterville, Maine; John Peckham, D.O., associate professor, sports medicine and rehabilitation, Texas College of Osteopathic Medicine.

Location: Kellogg Center for Continuing Education, MSU.

Addendum: Registrants must have taken a basic course on craniosacral technique

Accreditation: Forty (40) hours Category I credit for M.D.s and D.O.s

Cosponsor: Michigan State University College of Human Medicine

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AUGUST 23-27, 1982:  "TUTORIAL ON DIRECT ACTION THRUSTING"

Topics: An intensive course in the fundamentals and use of direct action high velocity manipulative therapy. Primary emphasis is placed on the spine, pelvis and thoracic cage.

Faculty: Philip Greenman, D.O., associate dean and professor of biomechanics, MSU-COM; Fred Mitchell, D.O., professor of family medicine, MSU-COM; Paul Kimberly, D.O., formerly Steunenburg Professor and chairman of the Department of Osteopathic Theory and Methods, Kirksville College of Osteopathic Medicine; now author, lecturer and teacher residing in Florida

Location: Lansing General Hospital (Osteopathic), Lansing, Michigan

Addendum: Prerequisite of D.O. degree or M.D. with training in manual medicine

Accreditation: Forty (40) hours Category I credit for M.D.s and D.O.s

Cosponsor: Michigan State University College of Human Medicine

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SEPTEMBER 6-10, 1982:  "BASIC MUSCLE ENERGY TUTORIAL"

Faculty: Philip Greenman, D.O., associate dean and professor of biomechanics, MSU-COM; Fred L. Mitchell, D.O., professor of family medicine, MSU-COM.

Location: Lansing General Hospital (Osteopathic), Lansing, Michigan

Addendum: Prerequisite D.O. degree or prior attendance at a "Basic Principles of Manual Medicine" course. Enrollment limited to 20 participants.

Accreditation: Forty (40) hours Category I credit

Cosponsors: Michigan State University College of Human Medicine
FRIDAY, MARCH 19, 1982


SATURDAY, MARCH 20, 1982


MONDAY, MARCH 22-26, 1982


SATURDAY, APRIL 3, 1982

8 a.m. "Symposium on Infectious Disease." Registration fee is $25 for non-DOHC physicians, $15 for DOHC physicians, free for physicians in training. Detroit Osteopathic Hospital, 12523 Third Ave., Highland Park. For information, contact Linda Braun, 313/252-4823.
WEDNESDAY, JANUARY 13, 1982


THURSDAY, JANUARY 14, 1982

8:30 a.m. Faculty Development Workshop: "The Various Roles a Professor May Play in Teaching" by Howard Hickey, professor of administration and curriculum. Until 10 a.m. RSVP Laurie Splitt, 353-8823. E6 Fee Hall.

FRIDAY, JANUARY 15, 1982


FRIDAY, JANUARY 15-16, 1982


WEDNESDAY, JANUARY 20-22, 1982


SATURDAY, JANUARY 23, 1982

SATURDAY, JANUARY 23, 1982

7:30 a.m.  "Superbowl of Osteopathic Medicine," second annual osteopathic symposium sponsored by the Michigan Osteopathic Medical Center, Inc. No fee. Five hours Category I credit anticipated. Contact Medical Administration Office, MOCMC, 5435 Woodward Ave., Detroit, 48202. Meeting at Engineering Society of Detroit, 100 Farnsworth, Detroit, 48202.

WEDNESDAY, JANUARY 27, 1982

8:30 a.m.  Faculty Development Workshop: "Development and Utilization of Instructional and Media" by Bruce Miles, Ph.D., Office of Instructional and Faculty Development.
1:30 p.m.  1 1/2 hours long, repeated at 1:30 p.m.

THURSDAY, JANUARY 28, 1982


12 p.m.  "Taking and Utilizing an Occupational History as Part of Clinical History" by James Keough, Johns Hopkins Medical School. Grand rounds presentation. Lansing General Hospital.

MONDAY, FEBRUARY 1-5, 1982


THURSDAY, FEBRUARY 4, 1982

3 p.m.  Dean's Seminar: "Biofeedback and its Utilization in Health Care" by personnel from the Menninger Clinic. Until 4:45 p.m.

SATURDAY, FEBRUARY 6, 1982

"Office Management of Chronic Musculoskeletal Pain, Part II" cosponsored by MSU College of Osteopathic Medicine, College of Human Medicine, and the Pain Research Control Institute, Southfield Rehabilitation Center. Six hours Category I credit. Contact Sandy Kilbourn, MSU-COM; 517/353-8822. Pain Research and Control Institute, Southfield.

WEDNESDAY, FEBRUARY 10, 1982


FRIDAY, FEBRUARY 26, 1982


SATURDAY, FEBRUARY 27, 1982

"Seminar in the Sun: Cancun," features continuing medical education program in Cancun, the site of ancient Mayan ruins on an island off Mexico's Yucatan Peninsula. Through March 7. Sponsored by the College of Osteopathic Medicine Alumni Association, Michigan State University. Open to all. Twenty hours Category I CME credit offered. Contact Sandy Kilbourn, A329 E. Fee, MSU-COM; 517/353-8822.

SATURDAY, MARCH 6, 1982


WEDNESDAY, MARCH 10, 1982


SATURDAY, MARCH 13, 1982

"Winter General Practice Update" cosponsored by Lakeview General Hospital and Michigan Center for Continuing Education in Osteopathic Medicine. Program chairman is Richard A. Margoles, Ph.D. Contact Duane M. Tester, 313/335-7742. Battle Creek.
SEPTEMBER 17-18, 1982: "4th ANNUAL ALUMNI SEMINAR"

Location: Kellogg Center for Continuing Education, MSU.

Addendum: Held in conjunction with the MSU-Ohio State football game

Sponsor: Michigan State University College of Osteopathic Medicine Alumni Association

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SEPTEMBER 22-24, 1982: "AMERICAN COLLEGE OF OSTEOPATHIC OBSTETRICIANS AND GYNECOLOGISTS MID-YEAR CONFERENCE"

Location: Kellogg Center for Continuing Education, MSU.

OCTOBER 25-29, 1982: "CRANIOSACRAL TECHNIQUE"

Topics: Basic training in craniosacral palpation techniques

Faculty: John Upledger, D.O., professor of biomechanics, MSU-COM; Richard MacDonald, D.O., private practitioner, Waterville, Maine; John Peckham, D.O., associate professor, sports medicine and rehabilitation, Texas College of Osteopathic Medicine.

Location: Kellogg Center for Continuing Education, MSU.

Accreditation: Forty (40) hours Category I credit for M.D.s and D.O.s

Cosponsors: Michigan State University College of Human Medicine

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NOVEMBER 1-5, 1982: "ADVANCED MUSCLE ENERGY TUTORIAL (ABOVE DIAPHRAGM)"

Topics: Examination, analysis and treatment of the upper extremities, cervico-thoracic spine, thoracic cage, throat and jaw. Postural/structural concepts are expanded into functional and integrative analysis in terms of respiratory, circulatory, neurologic and fascial models.

Faculty: Philip Greenman, D.O., associate dean and professor of biomechanics, MSU-COM; Fred L. Mitchell, D.O., professor of family medicine, MSU-COM; and others.

Location: Lansing General Hospital (Osteopathic), Lansing, Michigan

Addendum: Training in basic muscle energy a prerequisite

Accreditation: Forty (40) hours Category I credit for M.D.s and D.O.s

Cosponsor: Michigan State University College of Human Medicine
NOVEMBER 6-7, 1982: "6th ANNUAL PEDIATRIC CONFERENCE"

Location: Kellogg Center for Continuing Education, MSU.
Accreditation: Category I credit
Sponsor: MSU-COM Department of Pediatrics

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NOVEMBER 8-10, 1982: "MANUAL MEDICINE TO THE EXTREMITIES"

Topics: A three-day intensive course in the principles of manual medicine as they are applied to the upper and lower extremities. Emphasis is on diagnosis and manipulative management of extremity problems.

Faculty: Myron Beal, D.O., professor of family medicine, MSU-COM; Lon Hoover, D.O., associate professor of family medicine, MSU-COM; John Mennell, M.D., past president, North American Academy of Manipulative Medicine; noted author and lecturer.

Location: Kellogg Center for Continuing Education, MSU.
Accreditation: 24 hours Category I credit for both D.O.s and M.D.s
Cosponsor: Michigan State University College of Human Medicine

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DECEMBER 13-17, 1982: "BASIC PRINCIPLES OF MANUAL MEDICINE"

Topics: Lectures, demonstrations, and practice sessions on the spine, pelvis, and extremities utilizing basic principles of manual medicine

Faculty: Myron Beal, D.O., professor of family medicine, MSU-COM; Philip Greenman, D.O., associate dean and professor of biomechanics, MSU-COM; John Bourdillon, F.R.C.S., former senior orthopedic surgeon, North Gloucester; now in private practice in Vancouver, B.C.; Paul Kimberly, D.O., former Steunenberg Professor and chairman of the Department of Osteopathic Theory and Methods, Kirksville College of Osteopathic Medicine and now author, lecturer, teacher from St. Petersburg, Florida; John Mennell, M.D., past president, North American Academy of Manipulative Medicine and noted author of multiple texts on manipulative medicine.

Location: Kellogg Center for Continuing Education, MSU, East Lansing
Accreditation: 40 hours Category I credit for both D.O.s and M.D.s

-10-
SPORTS MEDICINE CLINIC
OPEN TO EVERYONE

From the newest beginners to the most accomplished jocks, women and men athletes in mid-Michigan now can get medical care for their injuries and guidance in bettering their athletic performance at the new Sports Medicine Clinic in the Clinical Center.

Services of the recently opened clinic are provided by team physicians (and faculty at MSU's medical schools) and trainers for MSU's intercollegiate athletes and are available to everyone on a fee for service basis.

Runners and joggers, football, basketball and hockey players, racquet sports enthusiasts and skiers can receive specialized care from the medical school faculty and MSU trainers. They also provide counsel on injury prevention through better conditioning and training, nutrition advice for greater stamina, and the latest on rehabilitation techniques for getting back to playing in peak form.

Director of the Sports Medicine Clinic is David O. Hough, M.D., who is director of sports medicine at Michigan State University and associate professor of family practice in MSU's College of Human Medicine.

Dr. Hough emphasizes that along with patient care, education is an important component of the Sports Medicine Clinic.

"As we treat injuries, go through the rehabilitation process with patients, and counsel them on injury prevention, we also are teaching the latest athletic medicine procedures and protocols to graduate physicians in family practice residency training and to students in physician's assistant programs."

He notes that this often has an extra spin-off for clinic patients — they too can learn what the health professionals are learning.

Working with Dr. Hough are Douglas McKeag, M.D., coordinator of athletic medicine at MSU and associate professor of family practice in the College of Human Medicine, Kenneth Stringer, D.O., assistant professor of pediatrics in MSU's College of Osteopathic Medicine, and MSU trainers Clint Thompson, Cathy Heek and Bill Hyncik.

Nurse-manager of the clinic is Vicki Curley, R.N.

Sports injuries they see most are runner's knee, ankle sprains and shoulder problems. Other 'popular' problems include stress fractures, secondary amenorrhea, and neck injuries.

To prevent injury, they recommend using appropriate shoes and equipment, getting lessons for proper execution and listening to the body for signals (pain or fatigue) to stop playing.

The Sports Medicine Clinic staff also advises to begin play or running slowly following five to 10 minutes of stretching and flexibility exercises. After play is over, another five or 10 minutes of "warm-downs" will help lessen the pain of muscle contraction.

Heroic efforts to play beyond pain (or fatigue) are strongly discouraged and account for many of the difficult cases evaluated. Acute injuries should be elevated, if possible, and iced two or three times for 15 or 20 minutes at a time.

Clinic patients include men and women recreational athletes, MSU intramural participants (in addition to men and women intercollegiate athletes), players from area high schools, and a few younger athletes of elementary school age.
MSU ANATOMY DEPARTMENT OPENS NEW ELECTRON MICROSCOPY LAB

A new transmission electron microscope is available to faculty at Michigan State University as the core of the Department of Anatomy/College of Osteopathic Medicine's Laboratory of Ultrastructural Research.

The microscope, made by Japanese Electronic Optics Ltd. (JEOL 100CX) has a magnification range from 360 to 352,000 times, and has achieved the best resolution worldwide of any microscope of this model, said Charles Tweedle, director of the laboratory. The resolution, which is the microscope's ability to distinguish two adjacent elements, is 1.4 angstroms, roughly one and one-half times the diameter of the smallest atom — hydrogen.

The instrument is particularly suited for studies of biological membrane structure, negative stain biochemical work, freeze-fracture studies and serial reconstruction of cells, Dr. Tweedle said.

Other features of the microscope include five different kilovolt settings, a large specimen chamber, a 100-plate photographic capacity, and a goniometer stage to rotate or tilt the specimen + 60°.

The microscope was purchased and installed at a cost of more than $200,000, $117,049 of which was supported by a National Science Foundation equipment grant to the Department of Anatomy. Principal investigator for the grant was Chairman Stephen Kitai, Ph.D., and coinvestigators were Professor Irena Grofova, M.D., Ph.D.; Associate Professors Duke Tanaka, Ph.D., and Charles D. Tweedle, Ph.D.; and Assistant Professors William M. Falls, Ph.D., Dennis Steindler, Ph.D., Mary B. Rheuben, Ph.D., and Charles J. Wilson, Ph.D.

Other equipment available in the laboratory includes the Philips 201 electron microscope, with a resolution of approximately five angstroms and a magnification of up to 200,000.
An image analyzer system, useful for measuring data from an electron micrograph, has a built-in computer system which can figure areas, perimeters and other distances for quantitative electron microscopy.

Supervisor of the laboratory is Patricia Patterson, M.S., who will assist faculty and other qualified persons in the use of the microscopes. Fee for use of the Philips scope will be $10 an hour; for the JEOL, $15 an hour. Users are normally scheduled in time-slots from 9 to 11:30 a.m., from 11:30 a.m. to 2 p.m., and from 2 to 4:30 p.m. Well-qualified persons may use the facilities after 5 p.m. and on weekends.

For further information call Patterson at 517/355-1698, or Tweedle at 333-5354. 

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FREEZE-FRACTURE UNIT
AIDS MEMBRANE STUDIES

A unit which can give electron microscopists a contoured view of a cell is being used in research conducted by Mary B. Rheuben, assistant professor, and other faculty members in the Department of Anatomy.

The Balzer freeze-etch machine, purchased by the department from Harvard University, offers "one of the most powerful ultrastructural techniques available," Dr. Rheuben said. "Because of molecular metallic shadowing, very small cellular structures are demonstrated clearly in three dimensions."

In the process, a chemically-fixed or fast-frozen specimen is placed under a bell jar onto a small stage precooled with liquid nitrogen. An extreme vacuum is created, inhibiting condensation on the specimen surface.

The frozen tissue is then broken with a microtome or pulled apart, fracturing primarily along the lipid portion of the cell membranes. The exposed surface is shadowed with platinum, and coated with carbon for structural rigidity. Once the tissue is digested away, the remaining platinum-carbon layer forms a replica of the fractured surface. The replica can be examined in the electron microscope for the details of membrane structure and of the cell interiors.
Teresa Bernardz, M.D., professor of psychiatry, presented a paper for the New York Academy of Sciences December 18 on "Women's Anger Against Women: Reflections on Abandonment, Betrayal and Self-Derogation in Women." The presentation was sponsored by the Women's Therapy Centre Institute of New York City in its inaugural lecture series for 1981-82.

Gaston E. Blom, M.D., professor of psychiatry and of special education, is the author of "Child and Family Advocacy," a chapter in Children and Our Future, edited by L.N. Berlin. The monograph was published by the University of New Mexico School of Medicine, Albuquerque, 1981.

Alfred A. Buerger, Ph.D., second-year osteopathic student, was a coauthor (with H. Meshkinpour, M.D., F. Hoeehler, Ph.D., and D. Bernick of the University of California, Irvine) of "Electrical Control Activity in the Sigmoid Colon: Effect of Metoclopramide." The article appeared in the American Journal of Proctology, Gastroenterology and Colon and Rectal Surgery 32:10, p. 12-28.

Norman Keller, D.O., clinical assistant professor of family medicine from Jenison, was named a fellow of the American College of General Practitioners in Osteopathic Medicine and Surgery at their annual meeting on November 18 in Los Angeles. Dr. Keller is a member of the board of directors of the Osteopathic General Practitioners of Michigan.

Joseph C. O'Laughlin, D.O., clinical assistant professor of internal medicine, addressed the Michigan Society for Gastrointestinal Endoscopy at Oakwood Hospital, Dearborn, on December 2. His topic was "Esophageal Motility Disorders — Workup and Treatment."

Felipe Kierszenbaum, Ph.D., associate professor of microbiology and public health, and Delia B. Budzko, adjunct associate professor of microbiology, were the authors of a paper presented at the 30th annual meeting of the American Society of Tropical Medicine and Hygiene, held in Puerto Rico in November. Title of the paper was "Cell-Mediated Immunity to Trypanosoma cruzi Antigens During Acute and Chronic Chagas' Disease." Dr. Kierszenbaum also chaired the scientific session on immunology of trypanosomes and leishmania.


Henry Sonenschein, D.O., clinical assistant professor of surgery from Madison Heights, recently completed a mini-fellowship in head and neck surgery at Northwestern University Hospital, Chicago. He also completed a course in laser surgery for tumors of the head and neck.

James D. ZeBraneck Jr., Unit II student, was the principal author (with Wayne D. Van Huss, Ph.D.) of "Recovery from Exhaustive Exercise: A Comparison of Passive and Active Procedures," published in Osteopathic Annals 9:10, October 1981. He also received a $200 scholarship from the American Osteopathic Academy of Sclerotherapy for submitting the best research paper for 1981. The paper, "Surgery or Sclerotherapy in the Treatment of Varicose Veins: A Comparison of Randomized Clinical Trials," was presented at the national AOA convention in Los Angeles November 19.
Joseph Vorro, Ph.D., associate professor of anatomy, is the author of two articles which appeared in the *Archives of Physical Medicine and Rehabilitation* 62; November 1981. They were "Kinematic and Myoelectric Analysis of Skill Acquisition: I. 90 cm. Subject Group" (pp. 575-582) and "II. 150 cm. Subject Group" (pp. 582-589).

Eugene Oliveri, D.O., clinical professor of internal medicine, was named president-elect of the American College of Osteopathic Internists at the ACOI meeting November 15-20 in Los Angeles.

ALUMNI ALUMNI ALUMNI ALUMNI

Sandra C. Corp, D.O., 1977 alumna, and husband Dave announce the birth of their daughter, Piper Wrene Corp on June 16, 1981. Dr. Corp presently is in family practice in Downers Grove, Illinois.


Guillermo Hernandez, D.O., 1978 alumnus, has been selected chairman of the Department of Family Practice at Memorial General Hospital in Las Cruces, New Mexico.

Jeffrey N. Thompson, D.O. 1979 alumnus, is a general medical officer for the U.S. Navy, dividing his time between the emergency room at the Naval Regional Medical Center in Okinawa, Japan, and a family practice branch clinic. He and his wife Sarah, are expecting their first child in May 1982.

Marlene Wagner, D.O., 1979 alumna, is the mother of a fifth child and second son, named Robert Anthony and born July 23. She continues to be active in general practice in Webberville, in association with Ted Karikomi, D.O.

Patricia Rodgers, D.O., 1980 alumnus, has joined the family practice of McSwain-Orr Clinic, P.C., with offices in the Renaissance Tower, Detroit, and in northwest Detroit.

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A $1,000 grant to MSU-COM was received from Schering Corporation in the name of 1978 alumnus Emmett A. Berg, D.O. Dr. Berg was one of only 10 physicians randomly selected for the designated gift from 75,000 who participated in a study of prescribing habits. Dr. Berg practices in Panorama, California.

Pattie L. Pierce, D.O., and Frank Winters, D.O., both 1979 alumni, were married on Friday, November 20, at St. Bede's Catholic Church in Southfield. One of the members of the wedding party was James Otto, D.O., 1979 alumnus.
INSTRUCTIONAL AND FACULTY DEVELOPMENT SEMINARS

Three instructional and faculty development seminars are scheduled in the next few weeks at MSU-COM. They include

January 14: "The Various Roles a Professor May Play in Teaching" by Howard Hickey, professor of administration and curriculum. 8:30 to 10 a.m. E6 Fee Hall.

January 27: "Development and Utilization of Instructional Media" by Bruce Miles, Office of Instructional and Faculty Development. 8:30 to 10 a.m., repeated from 1:30 to 3 p.m.

February 4: Dean's seminar: Individuals from the Menninger Clinic will discuss issues surrounding biofeedback and its use in health care. 3 to 4:45 p.m.

For further information or to reserve attendance at a workshop, contact Celia Guro, Ph.D., 353-7285.

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EXHIBIT ON CRANIOSACRAL MECHANISMS

A scientific exhibit on craniosacral mechanisms was part of the American Osteopathic Association's 86th annual convention and scientific seminar held in Los Angeles in November. The exhibit, set up and manned by Fred L. Mitchell, Jr., D.O., professor of family medicine, included recent photomicrographs of cranial suture histology from basic research being conducted by Ernest Retzlaff, Ph.D., professor of biomechanics.

Also part of the exhibit was a videotape depicting some physical diagnosis procedures used to evaluate the craniosacral mechanisms clinically. The tape, which demonstrates craniosacral motion visually, was produced in the Fee Hall media facility by Dr. Mitchell and John Upledger, D.O., professor of biomechanics.

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ELECTIVE CLERKSHIP IN MOUNTAIN PEDIATRICS

An elective pediatrics rotation among the medically indigent in southern West Virginia, recently completed by Unit III student Sister Anne E. Brooks, is open to other interested students. Scholarship money is also available from the teaching pediatrician, S. Eileen Catterson, M.D., who has been in practice for several years in Rhodell and covers Raleigh General, Beckley Appalachia Regional and Wyoming Country General Hospitals. She may be contacted at P.O. Box 308B, Rhodell, West Virginia, 25915.

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OUR APOLOGIES TO....

The computer-playing-editor was responsible for some omitted material in a recent "People" item about 1975 alumnus Craig Downs, D.O. Dr. Downs, who is director of emergency medical services at Lansing General Hospital, attended courses recently on sudden cardiac death at the Deborah Heart and Lung Center in New Jersey, and on the medical consequences of nuclear war in Los Angeles.