ABOUT THE COVER: Dr. Barnett Rosenberg, MSU professor of biophysics and pioneer in cisplatin research (see page 3)

IN THIS ISSUE . . . . .

3 MSU cancer drug approved by Food and Drug Administration

6 Dean Magen to head HEW panel; New office locations; Pediatrics phone; SOMA teaches 24 basic cardiac life support

7 Workshop on faculty training grants; Yearbook; Manipulative therapy update

8 Upcoming events (through May 31)

10 CME programs include pediatrics and pain seminars; Upcoming grand rounds

11 AOA research conference; Book donated; Internship information; Students' Associate Auxiliary activities; Unit III Center Representatives

12 Five MSU-COM faculty named to national office; MSU-COM leads in minority and female enrollments; Novikoff named McCaughan Scholar; John Doherty memorial

13 Stress therapy vital to prisoner rehabilitation

14 People

16 Gifts and grants

COMMUNIQUÉ Communiqué, a newsletter publication of the Michigan State University College of Osteopathic Medicine, is issued 18 times a year through the Health and Medicine Section of the MSU Department of Information Services, A314 E. Fee Hall, East Lansing, MI 48824; telephone 517/353-0820. Members of the Editorial Advisory Committee include Allen W. Jacobs, Ph.D., (chairman); Francis A. Bernier, Ph.D., Gordon C. Spink, Ph.D., D.O., Nancy M. Houston, B.A. (Editor), Patricia Grauer, M.A. (Associate Editor). Production and circulation manager is Carol Howland. Date of next issue will be March 5, 1979. Copy deadline for next issue: February 21, 1979.
MSU CANCER DRUG APPROVED
BY FOOD AND DRUG ADMINISTRATION

After six years of clinical trials, a potent new anticancer drug developed at Michigan State University has been approved by the Food and Drug Administration for use by physicians.

Clinical trials of cisplatin, a platinum-based drug, are continuing under auspices of the National Cancer Institute (NCI) at all major cancer research hospitals. Results include hundreds of cases of complete remission (disappearance of all evidence of disease) of long duration from testicular and other forms of cancer.

FDA approval at this time is only for treatment of ovarian and testicular cancer. Ovarian cancers cause 4.8 percent of cancer deaths in females. Testicular cancers cause one percent of all cancer deaths in males but are the leading cause of cancer deaths in males aged 15 to 34.

"Cisplatin is not the final solution to the problem of cancer," Dr. Barnett Rosenberg, MSU professor of biophysics, stressed. "It is, however, one of a growing number of drugs that make it possible today to talk about 'curing' rather than 'remitting' cancer in many patients with certain types of advanced cancers." Anticancer activity of the drug was discovered at MSU in the late 1960's in Dr. Rosenberg's laboratory. Dr. Rosenberg, laboratory supervisor Loretta L. VanCamp and Dr. Thomas Krigas (now with a Chicago chemical company) share the discovery.

Cisplatin (the generic name) is marketed by Bristol Laboratories, a division of Bristol-Myers, under the trade name, Platinol.

Human Trials Prove Effectiveness

The drug's effectiveness against testicular cancer was first noted by Dr. James Wallace and Dr. James Holland of Roswell Park Research Institute. Action against ovarian cancer was discovered by Dr. Eve Wiltshaw of the Royal Marsden Hospital in London, England.

Cisplatin used alone has produced some favorable response in 60 percent of patients treated for advanced testicular cancers and in 24 percent of those treated for advanced ovarian cancers. This makes it one of the most active drugs against these forms of cancer.

But cisplatin has proved most effective when used in combination with other drugs previously approved by the FDA for cancer treatment.

This combination therapy has resulted in about 70 percent complete remission of long duration (three years or more) in testicular cancer patients in whom the disease had spread to other parts of the body, Dr. Rosenberg said.

One example is a reported trial at Indiana University Medical Center. Dr. Laurence H. Einhorn and Dr. John Donohue report that 35 out of 47 patients with advanced testicular cancer achieved complete remission. The other 12 had partial remission and five of them recovered completely after surgical removal of residual cancers. That is an 85 percent complete remission rate.

(more...)
MSU CANCER DRUG APPROVED (continued)

Results of combination therapy for treatment of advanced ovarian cancer patients, while
not as spectacular, has also been promising, said Dr. Rosenberg. Overall, 70 percent of
these patients have responded favorably and 40 percent have had complete remission of
long duration.

Such results have encouraged additional tests, Dr. Rosenberg said, noting that cisplatin
has also been shown to be active against cancers of the ovaries, bladder, head and neck,
lungs and prostate. More clinical trials are needed to confirm that activity, he pointed out.

The key to cisplatin's usefulness, Dr. Rosenberg explained, lies in the way it works in concert
with other drugs.

"We know," he said, "that in animals, combinations of cisplatin and other cancer drugs are
synergistic — the total effect on tumors (not on normal tissue) is greater than the sum
of each drug's individual effects. The same thing may be happening in humans.

"We already have a number of good anticancer drugs. The trick to broadening our ability
to treat cancer chemically lies in finding the right drug combination therapy for the particular
cancer we want to treat."

A Happy Accident of Basic Research

Dr. Rosenberg, working with Mrs. VanCamp, stumbled onto the platinum drug and its relationship
to cancer while performing some basic research that had nothing to do with drugs or cancer.

He wanted to study the effects of an electric field on the growth of bacteria. Because
platinum is supposed to be biologically inert, Dr. Rosenberg used platinum electrodes to
produce his electric field in a solution.

When he turned on the electricity, he found that the bacteria grew to very large sizes but
lost their ability to divide and produce new cells.

Further studies by Krigas and Eugene Grimley, then graduate students, and by Dr. Andrew
Thompson showed that the effect was caused by platinum from the electrodes combining
with chemicals in the solution to form the same compound that is now the new drug.

"If this compound could stop bacterial cell division, " Dr. Rosengerg reflected, "would it
have an effect on cell division in cancers?"

After carrying out initial tests in experimental animals with tumors, Dr. Rosenberg brought
his information to the attention of the NCI division of cancer treatment.

Following confirmation and extension of Dr. Rosenberg's observations by researchers at
NCI and other institutions, the NCI undertook development of the drug, including large-
scale production, dosage formulation, toxicology tests and clinical trials.

"It was an uphill fight in a world of medical doctors and scientists wary of drugs based
on heavy metals," Dr. Rosenberg said.

(more...)
MSU CANCER DRUG APPROVED (continued)

"These concerns were well-founded because the poisonous effects of heavy metals are well known. However, we know how to design metal-coordination complexes, where, by making adjustments in the molecular structure of these drugs, we can make them as harmless or as toxic as we desire.

"Our success with platinum has opened a large new area of chemistry to the search for new drugs," he said.

Though Dr. Rosenberg and his colleagues discovered the basic effects of the drug, he believes cisplatin proved successful and received FDA approval because a large number of scientists and clinicians from around the world cooperated, sharing information and ideas.

When the clinical trials began, he said, one of the biggest problems with cisplatin, was its damaging effects on the human kidney.

To avoid kidney problems, he explained, Dr. Irwin Krakoff and Dr. Esteban Cvitkovic of the Memorial Sloan-Kettering Cancer Center in New York developed a technique for increasing the volume and flow of fluid through the patient's kidneys at time cisplatin is administered.

Dr. Rosenberg's research has been supported by NCI, Matthey Bishop, Inc., an affiliate of Johnson Matthey and Co., Limited, and Engelhard Industries, a division of Engelhard Minerals and Chemicals Corp.

Contributions of Other Institutions

At Sloan-Kettering, Dr. Alan Yagoda discovered cisplatin's action on bladder cancer and Dr. Robert Wittes discovered the drug's effects on lung cancer and head and neck cancers. At the Wadley Institutes of Molecular Medicine in Dallas, Texas, Dr. Joseph Hill and Dr. Loeb demonstrated cisplatin's action on head and neck cancers.

The drug's action against ovarian cancer was discovered by Dr. Eve Wiltshaw of the Royal Marsden Hospital, London, England. Dr. James Holland and Dr. Howard Bruckner of the Mount Sinai Hospital and Medical School in New York developed the currently used drug combination therapy for ovarian cancer.

Earlier, at Roswell Park Research Institute in Buffalo, N.Y., Dr. James Wallace, Dr. James Holland, Dr. Donald Higby, Dr. Edward Henderson and Dr. Claude Merrin worked on applying cisplatin to treatment of cancer of the testes and more recently to treatment of prostate cancers.

Dr. Jack Sternberg and Dr. Paul Holoye of the M.D. Anderson Hospital in Houston, Texas, developed a newer treatment regimen for bladder cancer.

At the Indiana University Medical Center in Indianapolis, Dr. Einhorn, Dr. Donohue and Becky Furnas developed another very successful therapy technique for treating cancer of the testes with cisplatin in combination with other drugs.

***

-5-

\}
DEAN MAGEN TO HEAD NEW PANEL

Myron S. Magen, D.O., dean of the MSU College of Osteopathic Medicine, has been appointed to head a panel of the Graduate Medical Education National Advisory Committee of the Department of Health, Education and Welfare.

Magen, the only osteopathic physician to serve GMENAC, will chair the panel on "Educational Continuum — What Effects the Institutional Environment and the Curriculum Have on Specialty and Subspecialty Choices."

***

NEW OFFICE LOCATIONS

Personnel in the Dean's Office of the College of Osteopathic Medicine with new office locations include the following. All rooms are in East Fee Hall.

**Academic Affairs**

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Marler</td>
<td>A306B</td>
</tr>
<tr>
<td>Paul Dressel</td>
<td>A312</td>
</tr>
<tr>
<td>Jeana Dressel</td>
<td>A319A</td>
</tr>
</tbody>
</table>

**Planning**

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>David West</td>
<td>A306C</td>
</tr>
</tbody>
</table>

Graduate and Continuing Medical Education

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Donald McBride</td>
<td>A329E</td>
</tr>
<tr>
<td>Sandy Kilbourn</td>
<td>A333</td>
</tr>
<tr>
<td>Betty Wilson</td>
<td>A329C</td>
</tr>
</tbody>
</table>

**Educational Resources**

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allen W. Jacobs</td>
<td>A331C</td>
</tr>
<tr>
<td>Bruce L. Miles</td>
<td>A329E</td>
</tr>
<tr>
<td>Holly Holdman</td>
<td>A329D</td>
</tr>
<tr>
<td>Karen Post</td>
<td>A331</td>
</tr>
<tr>
<td>Linda Phillipich</td>
<td>A331</td>
</tr>
</tbody>
</table>

Information Services

<table>
<thead>
<tr>
<th>Name</th>
<th>Office</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nan Houston</td>
<td>A314A</td>
</tr>
<tr>
<td>Pat Grauer</td>
<td>A314D</td>
</tr>
<tr>
<td>Carol Howland</td>
<td>A314</td>
</tr>
</tbody>
</table>

***

DEPARTMENT OF PEDIATRICS' PHONE

The phone number for the new Department of Pediatrics is 353-3100. Pediatricians have maintained their office locations on the third floor of West Fee Hall.

***

SOMA TRAINS 24 PERSONS IN BASIC CARDIAC LIFE SUPPORT

A course in Basic Cardiac Life Support, sponsored by the Student Osteopathic Medical Association, was held January 8 and 10 at the Kinowa Middle School in Okemos.

Twenty-four persons were trained and certified.

Instructors present were Debbi Dykema, Cindy Lunan, Doug Marsh, Mary Nissley, Fremont Scott, Dave Tuller and Christ Stoyanovich.

***
WORKSHOP ON FACULTY TRAINING GRANTS

Workshops on how to write and submit proposals for faculty training grants will be conducted as part of the faculty development programs of the College of Osteopathic Medicine.

Myron S. Magen, D.O., dean, Norman Bell, Ph.D., and Jack Maatsch, Ph.D. will conduct the first workshop from 8:30 a.m. to noon on Thursday, February 22 in A316 E. Fee. This session will include guidelines for proposal writing, a critique of grants, and opportunity for participants to develop portions of proposed grants. A second workshop will follow in March.

Persons involved in the writing of grants to train clinical faculty should contact Celia Guro, Ph.D., assistant to the dean, A310 E. Fee, 355-9611, for reservations.

***

LAST CHANCE FOR YEAR BOOK ADS

Advertising is available in the College of Osteopathic Medicine yearbook at $150 for full page, $90 half page, $60 quarter page and $40 eighth page. Sponsorships (name published in book) are also available.

The 200-page volume will be available June 8, and may be purchased for $15. Donations and advertising are tax-deductible.

Checks should be made payable to Curans Manus, and sent to Inez Slaubaugh, 27321 Dequindre, Apt. 9, Madison Heights, Michigan 48071.

***

MANIPULATIVE THERAPY UPDATE FEBRUARY 24, 25

Discussion, demonstration and practice of new techniques in manipulative therapy will be the focus of a seminar offered February 24 and 25 at the Michigan Center for Continuing Education in Osteopathic Medicine in Pontiac.

Seminar faculty include Gary Campbell, D.O., associate professor of family medicine; Anthony Chila, D.O., from the Ohio University College of Osteopathic Medicine; James S. Lapevic, Ph.D., D.O.; Robert W. Little, Ph.D., chairman of the Department of Biomechanics; Seldon R. Nelson, Ph.D., D.O., Doctors Hospital in Columbus, Ohio; Ernest W. Retzlaff, Ph.D., professor of biomechanics; John E. Upledger, D.O., associate professor of biomechanics; and Robert C. Ward, D.O., professor of medical education research and development.

A total of 14 hours of continuing medical education credit have been requested from the American Osteopathic Association and the Michigan Board of Osteopathic Medicine and Surgery.

***
<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb. 19</td>
<td>Reproducibility of Osteopathic Palpation</td>
<td>MSU-COM</td>
</tr>
<tr>
<td></td>
<td>Psychopathology and Treatment of Depression</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Early Modification of the Transforming Cell Surface Detected by Fluorescamine Labeling</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>Feb. 20</td>
<td>Metabolic Activation by the Kidney of Chemicals to Nephrotoxins</td>
<td>Pharmacology</td>
</tr>
<tr>
<td>Feb. 21</td>
<td>Hematology conference</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Lansing Area Pathologists</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Feb. 22</td>
<td>Workshop: writing grants for training clinical faculty</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Anatomy of the Vulva, Perineum and Groin</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Feb. 24</td>
<td>Manipulative Therapy Update</td>
<td>MCCCEOM</td>
</tr>
<tr>
<td>Feb. 26</td>
<td>Psychopathology and Treatment of Depression</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>The Rat Liver Peroxisome System of Fatty Acid Oxidation</td>
<td>Biochemistry</td>
</tr>
<tr>
<td>Feb. 27</td>
<td>Unit III Center Representatives Meeting</td>
<td>Pharmacology</td>
</tr>
<tr>
<td></td>
<td>Central Mechanisms of Experimental Hypertension</td>
<td>Microbiology</td>
</tr>
<tr>
<td></td>
<td>Glycoileps, Liposome Organization, Membranes --- Host Cells and Parasites</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Feb. 28</td>
<td>Hematology conference</td>
<td>MGCEOM</td>
</tr>
<tr>
<td>Mar.  1</td>
<td>Oncology series: Lymphomas</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Fetal Physiology and Amniotic Fluid: Prevention of Perinatal Mortality and Morbidity</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar.  5</td>
<td>Application of Manipulative Therapy in Cardiovascular Disease</td>
<td>Biochemistry</td>
</tr>
<tr>
<td></td>
<td>Pyruvyl Enzymes as Exemplified by Bacterial Histidine</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Psychopathology and Treatment of Depression</td>
<td>Pharmacology</td>
</tr>
<tr>
<td>Mar.  6</td>
<td>Latest Concepts in Striato-nigral Nigrostriatal Relationships</td>
<td>Microbiology</td>
</tr>
<tr>
<td></td>
<td>Fine Specificity and Regulation of T-Lymphocytes Using</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Cytochrome C as Antigenic Probe</td>
<td>MCCCEOM</td>
</tr>
<tr>
<td>Mar.  7</td>
<td>Hematology conference</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar.  8</td>
<td>OB/GYN Basic Science Course: Genetics</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar. 11</td>
<td>Office Gynecology Update</td>
<td>MCCCEOM</td>
</tr>
<tr>
<td>Mar. 12</td>
<td>Psychopathology and Treatment of Depression</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar. 14</td>
<td>Urology series: Pelvic Exenteration</td>
<td>MCCCEOM</td>
</tr>
<tr>
<td></td>
<td>Hematology conference</td>
<td>MSU-COM</td>
</tr>
<tr>
<td>Mar. 15</td>
<td>American Osteopathic Association Research Conference</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>OB/GYN Basic Science Course: Immunology</td>
<td>MCCCEOM</td>
</tr>
<tr>
<td></td>
<td>American Osteopathic Association National Boards (Part II)</td>
<td>MSU-COM</td>
</tr>
<tr>
<td>Mar. 17</td>
<td>Second Annual Pediatrics Conference (through Mar. 18)</td>
<td>MCCCEOM</td>
</tr>
<tr>
<td></td>
<td>Scientific Symposium</td>
<td>MCCCEOM</td>
</tr>
<tr>
<td></td>
<td>Pulmonary Problems</td>
<td>MSU-COM</td>
</tr>
<tr>
<td>Mar. 18</td>
<td>Pain Seminar: Back Pain</td>
<td></td>
</tr>
</tbody>
</table>

...(more)
MONDAY, FEBRUARY 19, 1979

12 p.m. "Reproducibility of Osteopathic Palpation" (continued from Feb. 5). College of Osteopathic Medicine grand rounds. Presented by clinicians from the Department of Biomechanics. One hour Category I continuing medical education credit requested. E101 Fee Hall.

TUESDAY, FEBRUARY 20, 1979

4 p.m. "Metabolic Activation by the Kidney of Chemicals to Nephrotoxins" by William Kluwe, MSU Department of Pharmacology and Toxicology. B449 Life Sciences.

WEDNESDAY, FEBRUARY 21, 1979

8:15 a.m. Hematology conference. B205 Life Sciences.

7:30 p.m. Students' Associate Auxiliary meeting, featuring a yoga demonstration by Pam Sherrill. Participants should wear loose comfortable clothing. RSVP Sue Norton, 339-3365. Home of Joyce Sherrod, 4441 Calgary, Okemos.

THURSDAY, FEBRUARY 22, 1979

8:30 a.m. Workshop on how to write and submit proposals for faculty training grants for persons involved in the writing of proposals for grants to train clinical faculty. Presented by Dean Myron S. Magen, Norman Bell and Jack Maatsch. First of two. RSVP Celia Guro, assistant to the dean, A310 E. Fee, 355-9611.

1 p.m. OB/GYN Basic Science Course: "Anatomy of the Vulva, Perineum and Groin." Gross Anatomy Lab, East Fee.

SATURDAY, FEBRUARY 26, 1979


The next calendar will include Monday, March 5 through Monday, March 19. Deadline for submission of material is noon Wednesday, February 21. Contact Health and Medicine Information, A314 E. Fee, 353-0820.
TUESDAY, FEBRUARY 27, 1979

12:30 p.m.  "Glycolipids, Liposome Organization, Membranes — Host Cells and Parasites." Microbiology and Public Health Seminar. Carland Alving, M.D., Department of Immunology, Walter Reed Army Institute of Research. 146 Giltner. Brown bag lunch at 1:30 p.m. in 294 Giltner.

4 p.m.  Unit III Center Representatives meetings, University Club.

8 p.m.  Gym night sponsored by Students' Associate Auxiliary. Includes sauna, swimming and exercise room. Must have a spouse or student I.D. card. For information call Sue Norton, 339-3365.

WEDNESDAY, FEBRUARY 28, 1979

8:15 a.m.  Hematology conference. B205 Life Sciences.

THURSDAY, MARCH 1, 1979

1 p.m.  OB/GYN Basic Science Course: "Fetal Physiology and Amniotic Fluid: Prevention of Perinatal Mortality and Morbidity. A221 Clinical Center.

6:30 p.m.  Oncology series: "Lymphomas." Unit II 9:30 p.m. Michigan Center for Continuing Education in Osteopathic Medicine, 900 Auburn Rd., Pontiac. For information, call 313-335-7742.
### UPCOMING EVENTS (continued)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Sponsoring Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar. 19</td>
<td>Psychopathology and Treatment of Depression</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar. 21</td>
<td>Hematology conference</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Lansing Area Pathologists</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar. 22</td>
<td>OB/GYN Basic Science Course: Microbiology</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar. 24</td>
<td>Michigan Osteopathic College Foundation Ball and Seminar</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>Mar. 25</td>
<td>Dermatology Update '79</td>
<td>MAOGP</td>
</tr>
<tr>
<td>Mar. 26</td>
<td>Psychopathology and Treatment of Depression</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Mar. 28</td>
<td>Hematology conference</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td></td>
<td>Hematology Seminar</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>Mar. 29</td>
<td>OB/GYN Basic Science: Neuroendocrinology and Lactation</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Apr. 4</td>
<td>Internship Information Program</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>Apr. 5</td>
<td>Holistic Approach to Pain Management and Stress-Related Conditions</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Apr. 7</td>
<td>Vetavisit: open house of MSU's Veterinary Clinical Center</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>Apr. 11</td>
<td>Urology seminar: Stress and Incontinence</td>
<td>MSU-CHM</td>
</tr>
<tr>
<td>Apr. 21</td>
<td>Lab Findings: When to Treat, What to Expect</td>
<td>OGP M</td>
</tr>
<tr>
<td></td>
<td>Thoracic Cardiovascular</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>May 3</td>
<td>Oncology series: Lung Carcinoma</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>May 5</td>
<td>Rheumatology seminar</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>May 9</td>
<td>Urology seminar: Office Urology</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>May 10</td>
<td>Heart Days - Kalamazoo</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>May 12</td>
<td>Oncology seminar</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>May 17</td>
<td>Scientific seminar: Michigan Association of Osteopathic Physicians and Surgeons</td>
<td>MCCEOM</td>
</tr>
<tr>
<td>May 27</td>
<td>Dermatology Update '79</td>
<td>MAOGP</td>
</tr>
<tr>
<td>May 31</td>
<td>Internal Medicine Seminar</td>
<td>MCCEOM</td>
</tr>
</tbody>
</table>

The key to the right is the primary sponsoring unit (not necessarily the location) of the events listed. For further information, contact:

**MSU-COM**

Sandy Kilbourn, coordinator for continuing medical education, College of Osteopathic Medicine, A333 E. Fee Hall, Michigan State University, East Lansing, 48824; 517-353-8822.

**MCCEOM**

Jack Tester, director, Michigan Center for Continuing Education in Osteopathic Medicine, 900 Auburn Rd., Pontiac, Michigan 48057; 313-335-7742.

**MSU-CHM**

College of Human Medicine Continuing Medical Education, Michigan State University; 517-353-5540.

**Others**

"Communique" editor, Health and Medicine Information, A314 E. Fee, Michigan State University, 517-353-0820, for referral.

***

-9-
CME PROGRAMS SPONSORED BY COLLEGE INCLUDE PEDIATRICS AND PAIN CONFERENCES

A pediatrics conference and a seminar on pain will be featured continuing medical education programs sponsored by the College of Osteopathic Medicine in March.

The second annual pediatrics conference, coordinated by the College's Department of Pediatrics, will be held March 17-18 at MSU's Kellogg Center for Continuing Education.

Designed to provide the clinician information on advising and managing patients with genetically determined disorders, the conference will include presentations on patterns of inheritance, chromosomal errors, multifactorial inheritance, and biochemical analysis of enzymatic pathways.

Other topics include inborn errors of metabolism, prenatal diagnosis of genetic disorders, ethical issues in genetics, immunogenetics, and genetic counseling.

Eleven hours of Category I credit have been requested from the American Osteopathic Association and the Michigan Board of Osteopathic Medicine and Surgery.

The first of many programs devoted to pain research and control will focus on the problems of back pain in a seminar on Sunday, March 18 at Kellogg Center.

Topics for the morning will include the physiological, mechanical and emotional mechanisms of pain.

Afternoon discussions will include procedures and techniques used in back pain management, such as surgery, nerve blocks, biofeedback and osteopathic manipulation.

For information or registration materials for either program, contact Sandy Kilbourn, coordinator for continuing medical education, A333 E. Fee Hall, 517-353-8822.

****

UPCOMING GRAND ROUNDS FOR COLLEGE OF OSTEOPATHIC MEDICINE

Osteopathic palpation, manipulative therapy and herpesvirus research will be highlighted in four upcoming grand rounds of the College of Osteopathic Medicine.

On February 5 and 19 the "Reproducibility of Osteopathic Palpation" will be addressed by clinicians from the Department of Biomechanics. David McConnell, Ph.D., professor, is coordinator.

Their research on herpesvirus will be discussed by John Downs, D. D. S., D.O., associate professor of osteopathic medicine, and Jon J. Kabara, Ph.D., professor of biomechanics, at grand rounds Tuesday, February 13.

"The Application of Manipulative Therapy in Cardiovascular Disease" will be the topic presented by Gary Campbell, D.O., associate professor of family medicine, at the March 5 meeting.

All grand rounds will be held at noon in E101 Fee Hall. Application has been made for one hour of Category I continuing medical education credit for each program, from the American Osteopathic Association and the Michigan Board of Osteopathic Medicine and Surgery.

****

-10-
AOA RESEARCH CONFERENCE MARCH 15-17

The annual research conference of the American Osteopathic Association will be held March 15-17 at the Holiday Inn in the Chicago City Center.

For further information, contact C. D. Tweedle, associate professor of anatomy and zoology, at 353-6600.

***

BOOK DONATED TO MSU-COM

The book Ergot Alkaloids and Related Compounds has been donated to the College of Osteopathic Medicine by William Loughran, medical sciences liaison for Sandoz Pharmaceuticals.

Because of its research orientation, the book, valued at $150, will be placed in the Science Library.

***

INTERNERSHIP INFORMATION PROGRAM

Representatives from osteopathic hospitals throughout the nation have been invited to participate in an internship information program at the College of Osteopathic Medicine on Wednesday, April 4.

Meeting in East Fee Hall, these representatives will be available from 10 a.m. to 5 p.m. to discuss opportunities for internships and residencies offered at their hospitals.

***

STUDENTS' ASSOCIATE AUXILIARY TO HOLD BAKE SALE, YOGA, GYM NIGHT

The Students' Associate Auxiliary will hold a bake sale at Lansing General Hospital on February 14 from 9 a.m. to 1 p.m. and from 4 to 7:30 p.m.

On February 21, the organization will hold a meeting at 7:30 p.m. at the home of Joyce Sherrod, 4441 Calgary, Okemos. Members are urged to wear loose comfortable clothing in order to participate in a yoga demonstration given by Pam Sherrill. A business meeting will follow. Reservations should be made by calling Sue Norton, 339-3365.

A gym night will be sponsored by the auxiliary at the Women's Intramural Building at 8 p.m. on February 27. Participants must have a student or student spouse identification card. A sauna, swimming pool, and exercise room are available. For information, call Sue Norton, 339-3365.

***

UNIT III CENTER REPRESENTATIVES MEETING

The meeting of the Unit III Center Representatives will be held at 4 p.m., Tuesday, February 27 at the University Club. The representatives will be meeting with some of the administrators and faculty from the College. Dinner will follow at 6 p.m.

***

-11-

y
FIVE MSU-COM FACULTY NAMED TO NATIONAL OFFICE

Five faculty members of the MSU College of Osteopathic Medicine were named to national office at recent meetings of their osteopathic specialty organizations.

Kenneth J. Mahoney, D.O., associate professor of pediatrics, was elected president of the American College of Osteopathic Pediatricians, and Thomas F. Santucci Jr., D.O., now head of the Department of Pediatrics at the New Jersey School of Osteopathic Medicine, was chosen as secretary-treasurer of that organization.

The American Academy of Osteopathy elected Lon A. Hoover, D.O., associate professor of family medicine as secretary, and John P. Goodridge, D.O., professor of biomechanics, as treasurer.

Michael A. Nigro, D.O., clinical professor of osteopathic medicine from Birmingham, was chosen as vice president of the American College of Neuropsychiatrists.

***

MSU-COM LEADS IN MINORITY AND FEMALE ENTERING CLASS ENROLLMENTS

The MSU College of Osteopathic Medicine leads all other osteopathic educational institutions in the nation in its enrollments of minority and female students in the 1978 entering class.

Both numerically and percent, the MSU class, with 19 minority (17%) and 42 women (38%) students outstripped the other 13 colleges.

Of the other colleges, the percentage of minority students in the entering classes ranged from zero to six percent, and of women from six to 28 percent.

***

NOVIKOFF NAMED McCaughan SCHOLAR

Wally M. Novikoff, a second-year student at the MSU College of Osteopathic Medicine, has received the 1978-1979 Russell C. McCaughan Scholarship, named for the former executive secretary of the American Osteopathic Association.

The award was made "on the basis of outstanding academic performance and motivation in osteopathic philosophy during the freshman year."

***

IN MEMORIAM: JOHN A. DOHERTY

John A. Doherty, 60, executive vice president of the Michigan Health Council for more than two decades, died November 17.

Under his leadership, the council had won national prominence in health career education and in physician placement. Memorial gifts may be sent to the John A. Doherty Scholarship Fund, Michigan Health Council, Stephen Nisbet Building, 1407 S. Harrison Rd., East Lansing.

***

-12-
STRESS THERAPY VITAL TO PRISONER REHABILITATION

Successful rehabilitation programs for convicts must include some means to help reduce the high stress of prison life, a noted stress therapy expert told participants of a national prison health care workshop held recently at MSU.

"Providing help in combatting stress is the first major step toward rehabilitation," Wendell Rivers, professor of community science at St. Louis University College of Medicine, pointed out. "Stress reduction therapy reduces the chances that convicts will continue to commit crimes once they are released from prison. If the prisoner's stress levels are not at least partially lowered, there's a good chance that the convicts will return to a life of crime. This has been proven, because traditional rehabilitation programs without stress reduction training have for the most part been unsuccessful."

The last of three national meetings, the workshop was part of a program supported by a $242,292 grant from the federal Law Enforcement Assistance Administration to improve health care delivery in prisons. It was sponsored and coordinated by the Department of Community Health Science at MSU's College of Human Medicine and College of Osteopathic Medicine.

"The prison environment is one of the most stressful a person can experience," Rivers emphasized. "Nearly all humans experience undue stress when their environment changes, but feelings of isolation from family and society, the threat to personal safety and the challenge of having to form new social relationships place a heavy burden on the prisoner. Also, most convicts are under heavy stress loads even before they enter confinement."

All of this stress overtaxes the body's immune system, causing actual physiological damage, Rivers added. The earliest symptoms of stress may be short temper, anxiety and increased heart rate. The intermediate stages include intense anger, high blood pressure, depression and heart pains and palpitations. The final, catastrophic stages include heart attacks, strokes and ulcers.

"We're finding out why the stereotype of the hateful convict, wanting to pay society back for his suffering in prison, is all too true," Rivers emphasized.

Some psychotherapy to help alleviate stress has been used to a limited extent in prisons, Rivers said, but added that it has not been successful. The traditional methods used just do not produce cures when the patient is continuously exposed to large populations, he pointed out.

Rivers considers biofeedback training of prisoners as the most effective technique to help them deal with the unusual prison environment. With this method, prisoners can be made aware of stress reactions and gain some measure of control as to how they react to stressful situations.

"The prison environment itself can also be modified so as to be less stressful," Rivers concluded. This includes the changing of how prisoners are housed together and how the human services of the prison, such as medical care facilities, are set up."

— Charles Weirauch

***

-13-
FACULTY

Donald E. McBride, D.O., assistant dean for graduate and continuing medical education, has been named chairman of the Subcommittee on Intern Training of the Committee on Postdoctoral Training of the American Osteopathic Association. The committee reviews all hospital accreditation inspection reports for approval of intern training programs.

McBride also has been named the representative from the American Association of Colleges of Osteopathic Medicine to the American Osteopathic Association Committee on Hospitals with Teaching Programs.

John Casbergue, Ph.D., associate professor in the Office of Medical Education Research and Development, is the author of "Role of Faculty Development in Clinical Education," a chapter in Evaluating Clinical Competence in the Health Professions, published in 1978 by C. V. Mosby Company.

He and Dennis Hoban are coauthors of "Simulation: A Technique for Instruction and Evaluation" in Clinical Education for the Allied Health Professions, also published by Mosby in 1978.


Tweedle and Jon J. Kabara, Ph.D., professor of biomechanics, also presented a paper on "The Stimulus for Collateral Nerve Sprouting in Skeletal Muscle" at the Society for Neuroscience meeting in St. Louis November 6-9.

John W. Gobel, D.O., assistant professor of internal medicine in the Department of Osteopathic Medicine, has received a grant to study hemoglobin A1C as a potential index of diabetes control. Gobel will be assisted in his research by Kevin O'Connell, Ph.D., a second-year student in the College of Osteopathic Medicine. Funding for the project is provided by a National Institutes of Health Biomedical Research Grant.

Howard W. Stoudt, Ph.D., professor of community health sciences, presented a paper on "Secular Changes in the Body Size of U. S. Populations" before the 22nd annual meeting of the Human Factors Society, held in Detroit October 19.

He also is the author of a chapter "Arm-Leg Reach and Workspace Layout" published in the NASA Anthropometric Sourcebook — Anthropometry for Designers, Lyndon B. Johnson Space Center, Texas, 1978.


Donald Tavano, Ph.D., associate professor of community health science, has been elected to the Ingham County Board of Commissioners.

Shirley M. Johnson, Ph.D., associate professor of family medicine, and Loudell F. Snow, Ph.D., associate professor of anthropology, are the authors of "Venereal Disease is Still a Taboo Topic" published in the Osteopathic Physician 45:25-30, #11, 1978.

Johnson has also been certified as a sex educator by the American Association of Sex Educators, Counselors and Therapists.

***

-14-
PEOPLE  PEOPLE  PEOPLE  PEOPLE  PEOPLE  PEOPLE  PEOPLE  PEOPLE

CLINICAL FACULTY

Martin Wedgle, D.O., clinical associate professor of internal medicine from Troy, has been appointed a fellow and elected treasurer of the American College of Osteopathic Allergy and Immunology, and also named an associate fellow of the American Association for Clinical Immunology and Allergy.

Wedgle lectured on beta₂ agonists and inhalational steroids at the American Osteopathic Association convention in Hawaii in November.

Carlton M. Noll, D.O., of Blissfield is the author of "Procto-Basics", a text on basic proctology for the student, intern, resident and practicing specialist.

Malcolm E. Williamson, D.O., clinical assistant professor of medicine, and director of nuclear medicine at Riverside Osteopathic Hospital, presented "Nuclear Medicine and Its Interrelationship with Endocrinology and Radioimmunoassay" at a meeting of the Michigan College of Nuclear Medicine. The meeting was held in conjunction with the Michigan State Medical Society convention in Detroit, November 9.


***

STAFF

Edna M. Harney, office assistant in the Department of Family Medicine, has been elected permanent chairman of the MSU All-University Traffic Committee.

***

STUDENTS


***

ALUMNI

Lawrence D. Holen, D.O., 1973 alumnus, has established a practice in general orthopedic and hand surgery at Lapeer County General Hospital, Lapeer. Holen completed his internship at Flint Osteopathic Hospital, and residency at FOH and Dayton Childrens Medical Center. His address is 415 Nepessing, Lapeer, 48446.

Rod G. Bjordahl, D.O., 1973 alumnus, has been reelected to a two-year term as chairman of the Family Practice Department of Maui Memorial Hospital of Kahului, Maui, Hawaii. Bjordahl was the first chairman of the department when it was formed in 1976. The position also enables him to sit on the hospital's executive and CME committees.

Thomas Trese, D.O., 1975 alumnus, has had an article "Current Concepts of Multiple Sclerosis: A Review of Recent Literature" accepted for publication in the Journal of the American Osteopathic Association. Trese is currently a resident in neurology at Botsford General Hospital.

***
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 December 8, 1978.

Office of the Dean
National Cancer Institute
—Induce transformation of normal human cells by carcinogens/J. J. McCormick

Elsa U. Pardee Foundation
—Determine the effect of the cell cycle on mutation induction/V. M. Maher

U. S. Environmental Protection Agency
—Develop valid human cell metabolism systems for carcinogens/J. J. McCormick

Anatomy
National Institute of Neurological and Communicative Disorders and Stroke
—Structure and function of projection neurons of the caudate nucleus/S. T. Kitai

Biomechanics
Air Force Office of Scientific Research
—Provide the basis for a more accurate geometric simulation of the dynamic human body/H. M. Reynolds

Community Health Science
Michigan Department of Public Health
—Develop a cost effective health information system/C. W. Given, R. J. Sprafka

MSU Foundation
—Transfer of gift from Dr. and Mrs. M. W. Stroud III for health services education and research/S. Katz

Administration on Aging
—Policy research in long-term care/S. Katz, J. Papsidero

Medical Humanities Program
National Endowment for the Humanities
—Medicine, aging and human values;
to introduce six new courses for health professional and undergraduate students
and to expand medical humanities Program/A. D. Hunt: M. Benjamin

Microbiology and Public Health
National Cancer Institute
—Immunology of Thy-1-Bearing Lymphocyte Subsets/F. Kierzenbaum

U. S. Department of Agriculture
—Fixed nitrogen regulation-rhizobium-clover symbiosis/F. B. Dazzo

Pharmacology and Toxicology
Michigan Heart Association
—Renin secretion and hypertension/A. M. Michelakis

National Institute on Drug Abuse
—Central actions of abused drugs: hallucinogens/R. H. Rech

—Opiate receptor and cell membrane functions/T. Akera

Physiology
National Institute of Arthritis, Metabolism and Infectious Diseases
—Institutional grant accompanying postdoctoral fellowship/J. Meites, F. Leung

American Irish Setter Foundation
—Study canine epilepsy/J. G. Cunningham

Psychiatry
Pine Rest Christian Hospital
—Psychiatry residency training program/N. B. Enzer