INTERNSHIP AVAILABILITY, ACCREDITATION PROCEDURES DISCUSSED BY AOA PRESIDENT IN MEETING WITH STUDENTS

The availability of future internships and the accreditation process for osteopathic education were among the topics addressed by the president of the American Osteopathic Association in a meeting with students from the MSU College of Osteopathic Medicine.

Philip Adler, D.O., who is also medical director of Zieger Osteopathic Hospital Corporation and chairman of obstetrics and gynecology at Botsford Osteopathic Hospital, spoke to the first and second-year classes in a joint Dean's Conference House April 4.

During 1977, Dr. Adler said, there were 981 internships available for 891 osteopathic graduates, with from 8 to 10% opting for programs in the Public Health Service.

Projections for 1978 show an estimated 1066 internships available for 983 graduates, he said.

Internship accreditations are increasing with the consideration of other hospital services such as critical care areas, active emergency rooms and ambulatory care centers in addition to the original criterion of patient days, he said. Also a number of hospitals have moved from Joint Commission to AOA accreditation, making them eligible to sponsor osteopathic internships.

Dr. Adler also outlined the accreditation procedures used for predoctoral, postdoctoral, continuing medical education and special education by the AOA, the only organization approved as an accrediting body for osteopathic education by the Council of Postsecondary Education and the Office of Education of the Department of Health, Education and Welfare.

Investigations and procedures are carried out through one of four committees of the AOA's Bureau of Professional Education -- the Committee of Postdoctoral Education (for internships, residencies, fellowships, and preceptorships), the Committee on Colleges, the Committee on Continuing Medical Education and the Advisory Board of Osteopathic Specialties.

The Bureau, said Dr. Adler, is responsible to the Department of Education, the Board of Trustees, and the AOA House of Delegates.
ROMANO ADDRESSES CHALLENGES OF MEDICAL EDUCATION, DEVELOPMENT OF "ELECTRONIC BOOK"

The proper uses of learning media, the human processes of teaching and learning, and the challenges of stimulating students were emphasized by an expert in medical education visiting the College of Osteopathic Medicine April 4-5.

Michael T. Romano Sr., D.D.S. special assistant to the vice president for the Medical Center at the University of Kentucky, presented a seminar on "Understanding Learning Media" and met with individual faculty assist them in improving their instruction.

His visit was sponsored by MSU-COM's Faculty Development Program.

Romano, who started in clinical practice, moved to part-time teaching, and finally devoted his career to education, said that he had been struck from the beginning by the contrast of clinical progress without corresponding advancement in medical education.

"Education for centuries has been word-oriented -- given in lectures and books," he said. "But in the health sciences, much of the information is visible, and attention must be given to how we can increase visualization."

He stresses the importance of the concept of "visual literacy," the ability for students to mediate information given essentially in pictures with some verbal supplementation.

Romano said that this is particularly critical in osteopathic medical education with its emphasis on development of motor skills for manipulative therapy.

Proposing "visualiture" instead of "literature," Romano stressed the need for visual materials which can be produced in-house, without technical assistance, and which can be reviewed by students at any time or place it is needed.

He said that an obvious example of visualiture -- the slide-tape presentation -- is a misapplication of the technique because it requires two devices (the recorder and projector) to be used.

Instead he proposes the development of the highly portable "electronic book," already in its infancy with the publication of audio-tape and photograph combinations Romano created.

Its acme, he believes, would be the book-sized videotape player, which will come with improvements in electronic minaturization.

Though he acknowledges that the ability to read will still be necessary in the humanities, and to describe concepts or feelings, Romano said that visualiture is vital in education in the physical, biological and health sciences.

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MARK YOUR CALENDARS!

Hooding ceremonies for the College of Osteopathic Medicine will be held in Fairchild Auditorium the afternoon of Friday, June 9. University commencement exercises will be Saturday, June 10.
TINNING HEADS PROGRAM AND INTERNATIONAL NETWORK FOR REHABILITATION

A program of research, education and the development of an international network for rehabilitation of the severely handicapped is being headed by Fred C. Tinning, Ph.D., assistant dean for planning in the College of Osteopathic Medicine.

Tinning, acting director of the International Rehabilitation Special Education Network (IRSEN) and assistant to the dean of the College of Education for program management, is directing a $500,000 three-year grant from the Rehabilitation Services Administration for the project.

A focus of IRSEN is the establishment of centers in developing areas of the world to provide mutual assistance and sharing in the areas of

--- a review of evaluation instruments for vocational sufficiency
to be reduced and for assessment of severely disabled children and adults.
--- barrier removal.
--- improvement of domestic and international legislation to further the
   provision of services for handicapped persons.
--- assessment of new techniques (such as prosthetic or orthotic devices)
   to enable the severely disabled to do their work more productively.

Tinning said the program would deal with all severe handicaps, including blindness, deafness, and physical disability.

At present, incidence assessment of handicapped individuals is being conducted in Costa Rica and Jordan, and may be expanded shortly to western Europe, he said.

Students from Nigeria, India, Egypt, Jordan, Costa Rica, Brazil and the United States are enrolled in a doctoral program with a primary emphasis on international rehabilitation in the College of Education at MSU.

In addition, nonformal training will be given in rehabilitation and special education for counselors and other personnel who deal with the handicapped, Tinning said.

Cosponsors of the program include the College of Education, the College of Osteopathic Medicine, and International Studies and Program.

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LEARNING AND EVALUATION SERVICE SEMINAR

The first in a series of workshops on programs and issues of college teaching will be offered from 1 to 3 p.m., Friday, May 5, by MSU's Learning and Evaluation Service.

The symposium, "Testing: Mastery vs. Differential; Criterion-referenced vs. Norm-Referenced; What Is the Answer?" will be presented by Arvo Juola, professor and consultant, in 100 S. Kedzie. For information or registration, contact Pat Sweet, 353-8942.

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MAYAN CHILDBIRTH PRACTICES STUDIED BY BRIGITTE JORDAN IN YUCATAN

Birth from a hammock, the "massage of the twenty days," and ritual postpartum bathing are some of the distinctive aspects of childbirth practices among Mayan Indians studied during winter term by Brigitte Jordan.

Jordan, assistant professor of anthropology and community health science, performed this research as part of a $56,414 grant she received from the National Institute of Child Health and Human Development for a two-year crosscultural investigation of childbirth practices.

This winter Jordan worked in Yucatan, Mexico, with a Mayan midwife she had met six years ago while doing general ethnographic fieldwork.

"The Mayan midwife uses a mixture of both Western and traditional practices," Jordan said, "and generally receives her training from her midwife-mother and from a physician."

Jordan said that the status of the midwife — as well as that of most women — was high in the indigenous community. However, most midwives do not begin active practice until their own children are raised.

The vast majority of Mayan births are handled by midwifery, Jordan said, because women cannot afford hospital costs and are repelled by what they consider the humiliating aspects of Western birth methods, such as male physicians viewing female genitalia or doctors manually removing the placenta.

Prenatal care involves a monthly visit to the home by the midwife, who will combine a regular physical examination with a massage of the abdomen, back, and legs. If labor is imminent and the baby is in a breech position, the midwife will make every effort to turn the child from the outside, thus avoiding hospitalization and a Caesarean section for the mother.

During labor, the midwife is assisted by the woman's husband and mother, both of whom are expected to be present. Birth usually occurs in a hammock or a chair, with the husband (or a friend) sitting behind the woman to act as a brace during contractions. There is a strong taboo, however, against any male other than the husband being present during birth, Jordan said.

The umbilical stump is singed with a candle until the blood in the cord is completely coagulated, she reported. The Mayans have found that this reduces the incidence of infection more effectively than the Western use of alcohol and mercurochrome, said said.

Three days after birth, there is a ritual bath with a special infusion of seven kinds of leaves steeped in boiling water, believed to aid milk letdown for breast-feeding, Jordan said.

The childbearing period has a formal conclusion called the "message of the twenty days," in which the uterine condition is checked and the head and pelvis are tied with long strips of cotton "so the bones will close up." The head tie is removed in a couple of hours, she said, but the pelvic sash may be used like a girdle for several weeks.
MONDAY, APRIL 24, 1978

11:30 a.m. Biochemistry colloquium: "Transbilayer Migration of Lipid Components in Bilayers and Biological Membranes" by Thomas E. Thompson, University of Virginia School of Medicine. 101 Biochemistry.

4 p.m. Physiology seminar: "Renal Tubular Transport and Nutrition Interaction" by Jenny Bond, 105 S. Kedzie.

TUESDAY, APRIL 25, 1978

12:30 p.m. Microbiology seminar: "Rickettsial Transport and Cell Penetration" by Herbert W. Winkler, Department of Microbiology, South Alabama University. 146 Giltner.

4 p.m. Pharmacology seminar: To be announced. E. Robinson, Department of Physiology. B449 Life Sciences.

WEDNESDAY, APRIL 26, 1978

11:30 a.m. Faculty Development Program: "Why Bother?...How Do You Do It?" by David A. Starks, Ph.D., chairman, Department of Educational Resources, University of Michigan School of Dentistry. The workshop will include the rationale behind a system to design, develop, and produce an individualized instructional program, emphasize the reasons why individualized programming is needed in a health science school, and present a method for preparing such a program using the skills of instructional media specialists. Other sessions on teaching innovation and faculty roles will be presented May 10 and 24. E2 Fee.

SATURDAY, APRIL 29, 1978

7:45 a.m. Human Sexuality Program to help health professionals examine their own attitudes about sexuality. Seminar staff include Mario Petrini of Wayne State University and the MSU College of Osteopathic Medicine and Sandra Nohre of the University of Minnesota Medical School. 15 hours Category I CME credit approved by the AOA. Sponsored by Student Osteopathic Medical Association. Through April 30. Conrad Auditorium.

8:30 a.m. Continuing medical education: "Gastrointestinal Hemorrhage," including both medical and surgical approaches and a case presentation. Cochairman are Michael A. Biederman, D.O. and Ellis Siefer, D.O. For information, contact Duane E. Tester, 313-335-7742. Michigan Center for Continuing Education in Osteopathic Medicine, 900 Auburn Rd., Pontiac.
MONDAY, MAY 1, 1978

11:30 a.m. Biochemistry colloquium: "The Effect of Membrane Fluidity on Membrane Processes" by Salih Wakil, Marri McLean Department of Biochemistry, Baylor College of Medicine, Texas Medical Center. 101 Biochemistry.

4 p.m. Physiology seminar: "Taste, Salt Appetite, and Hypertension" by Rudy Bernard, professor of physiology. 105 S. Kedzie.

TUESDAY, MAY 2, 1978

12:30 p.m. Microbiology seminar: "Regulation of Membrane Transport Protein Synthesis in E. coli" by Steven C. Quay, Department of Pathology, Massachusetts General Hospital, Harvard Medical School. 146 Giltner.

4 p.m. Pharmacology seminar: To be announced. E. Foulkes, Departments of Environmental Health and Physiology, University of Cincinnati. B449 Life Sciences.

THURSDAY, MAY 4, 1978


4 p.m. Nephrology Research Group. 448 Life Sciences.

5 p.m. Department of Family Medicine reception for preceptors and Junior Partnership Program physicians. Menu includes variety of wines and cheeses. Until 6:30 p.m. Part of MAOF&S conference. LaSalle Room, Detroit Plaza Hotel.

FRIDAY, MAY 5, 1978

12 p.m. MSU-COM Alumni Luncheon. Alumni, associate alumni and faculty are invited to attend this luncheon, which is part of the MAOF&S conference. Program will include a presentation by Associate Dean Philip E. Greenman and a discussion on ways to best meet the needs of alumni. Until 2 p.m. Windsor Room, Detroit Plaza Hotel.

The next calendar will cover Monday, May 8 through Monday, May 21. Deadline for inclusion of material is noon, Thursday, Thursday, April 27. Contact Health and Medicine Information, A331 E. Fee, 353-0820.
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Please use this form for submission of material for the biweekly College of Osteopathic Medicine Communiqué.

Items might include achievements and activities of College personnel such as honors and awards, publications, papers, professional offices, and participation in programs and committees.

The form may also be used for items for the Calendar of Events, suggestions for feature stories, updating of programs, and provision of any other information that might be pertinent for publication in the newsletter.

The editors and editorial advisory committee retain the right to edit or exclude any material.

Please print or type, and do not include any information that is more than one month old.

Date of submission

Name

Position

Address

Phone

CALENDAR ITEMS

Date

Time

Event

Sponsor

Location

Other information

NEWS ITEMS OR FEATURE SUGGESTIONS

Please return to the Health and Medicine Section, Information Services, A331 East Fee, Michigan State University, East Lansing, MI 48824. For assistance call 517/353-0820.
At MAOP&S Conference
FAMILY MEDICINE RECEPTION, ALUMNI LUNCHEON

Two events will be hosted by the MSU College of Osteopathic Medicine in conjunction with the 79th annual postgraduate conference and scientific seminar of the Michigan Association of Osteopathic Physicians and Surgeons.

Family Medicine Reception

The Department of Family Medicine will hold a special reception in honor of its preceptors and Junior Partnership physicians from 5 to 6:30 p.m., Thursday, May 4, in the LaSalle Room of the Detroit Plaza Hotel.

A variety of cheeses and wines will be offered to the physicians and their spouses in appreciation for their service to the College.

The department will also have an ongoing presentation on the College in the convention exhibit area.

Alumni Luncheon

A luncheon for MSU-COM alumni, associate members of the Alumni Association, and faculty will be given from noon to 2 p.m., Friday, May 5, in the Windsor Room of the Detroit Plaza Hotel.

The program will feature a presentation on the proposed four-year curriculum and approved Unit III curricular changes by Philip E. Greenman, D.O., associate dean for academic affairs.

Information on the College's alumni association, a discussion on which in which the College can better meet the needs of the alumni, and a brief business session will be conducted by Gordon Spink, D.O., alumnus and Unit III coordinator for the College.

Costs for the luncheon are part of the MAOP&S registration fee. Persons who are not registered for the MAOP&S conference but who would like to attend the alumni luncheon should contact Sandy Kilbourn, 353-8822.

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LOOK OUT! THE FEE FOLLIES ARE COMING!

The Fee Follies -- annual escape value extravaudinaire for osteopathic students -- will be held at 7:30 p.m. on Friday, May 19.

Anyone -- students, faculty, or staff -- interested in participating in the comedy, skits or music of the Follies should contact Jim Balger (882-0561), Caryl Heaton (349-2386) or Jeff Kyff (351-0125).

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IN MEMORIAM: GUSTAVO S. L. APPELTAUER

Gustavo S. L. Appeltauer, M.A., a graduate assistant in the Department of Biomechanics, and known for his research in nerve-cell protein delivery, died March 21.

Born in Montevideo, Uruguay in 1939, Appeltauer had attended the University of Uruguay, eventually joining the faculty of medicine as an instructor and at the Biological Research Institute.

In 1967, he joined Irvin M. Korr, Ph.D., now professor of biomechanics at MSU-COM, for research on axonal transport and trophic functions of nerves at the Kirksville College of Osteopathic Medicine. While at Kirksville, he also completed the M.A. at Northeast Missouri State University in 1974.

He began the Ph.D. at MSU in 1975, and recently received a grant for the completion of his doctoral work from the National Science Foundation.

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SIXTEEN PERSONS FROM MSU-COM ATTENDED AOA RESEARCH CONFERENCE IN CHICAGO

Sixteen persons from the MSU College of Osteopathic Medicine attended the American Osteopathic Association research conference March 16-18 at the Holiday City Center in Chicago.

Presenting papers at the conference from the Department of Biomechanics were Uri Dinnar, Ph.D., visiting associate professor; William L. Johnston, D.O., professor; Jon Kabara, Ph.D., professor; Zvi Karni, Ph.D., visiting professor; Eloise Kuntz, Ph.D., associate professor; Fred Mitchell Jr., D.O., professor; Ernest Retzlaff, Ph.D., professor; John Upledger, D.O., associate professor, and Ronald Young, Ph.D., assistant professor.

Students presenting papers were Anne Pawlak and Gustavo Appeltauer.

Attending the conference were Jean B. Burnett, Ph.D., associate professor; John Goodridge, D.O., professor; Irvin M. Korr, Ph.D., professor, and Charles D. Tweedle, Ph.D., associate professor.

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CARCINOGENESIS LABORATORY MEMBERS ATTEND CANCER RESEARCH CONFERENCE IN WASHINGTON, D.C.

Nine members of the Carcinogenesis Laboratory at the College of Osteopathic Medicine either attended or presented papers at the annual meeting of the American Association for Cancer Research held April 5-8 in Washington, D.C.

Attending the conference were codirectors J. Justin McCormick, Ph.D., and Veronica Maher, Ph.D.; and J. William Levinson, Ph.D.; Robert H. Heflich, Ph.D.; Beate Konze-Thomas, Ph.D.; Ann E. Aust, Ph.D.; Alan L. Mendrala, Delia J. Dorney, and Eileen M. Mahoney.

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Larry Alton, D.O., 1976 alumnus, will be given the responsibility of educating family practitioners during internships at Flint Osteopathic Hospital beginning in July.

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Pamela Fraker, Ph.D., assistant professor of biochemistry, is the author (with John C. Speck, Ph.D., professor of biochemistry) of "Protein and Cell Membrane Tidinations with a Sparsingly Soluble Chloramide, 1,3,4,6-Tetrachloro-3a,6a-Diphenylglycoluril" in Biochemical and Biophysical Research Communications 80:849-857 (1978).

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Ronald L. Columbus, D.O., 1973 alumnus, has opened a new office this month for the practice of general medicine, family practice, emergency medicine, and outpatient surgery. His new address is Century Plaza Suites 201-203, 1800 W. Hillsboro Blvd., Deerfield Beach, Florida, 33441; phone (305)428-3020. Columbus completed his internship and surgical residency training at Botsford Osteopathic Hospital in Farmington Hills, Mich.

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Patricia Rehfield, second-year student, is the author of a lengthy letter on the importance of general practice and the osteopathic profession published in the March 1978 issue of Johns Hopkins Magazine.

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J. William Levinson, Ph.D., research associate in the Carcinogenesis Laboratory, presented a paper on research in the lab at the annual meeting of the Biophysical Society of America held March 28-31 in Washington, D.C., Levinson will also present a paper in the International Automated Cytology Workshop to be held in Schloss Elmau, West Germany, April 23-29.

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Jon Kabara, Ph.D., professor of biomechanics, is a coauthor (with E. D. Clarke and A.W.A. Brown of the Department of Entomology) of "Mosquito Larvicidal and Pupicidal Activity of Aminimides" in the Journal of Medical Entomology 14:5: 599-600, 1978, and (with Toshiaki Ikeshoji of the University of Tokyo) of "Surfactants for a Mosquito Ovitraps" in Jap. J. Sanit. Zool. 28:4:451-452, 1977. He also presented a paper on "Biochemical Biopsy: Interpretative Reporting of Electrophoresis Data" at the American Osteopathic Association Research Conference held in Chicago March 16-18, and a paper (with Charles D. Tweedle, Ph.D., associate professor of anatomy and zoology) on "Lipophilic Nerve Sprouting Factor(s) Isolated from Denervated Muscle" at the meeting of the American Society for Neurochemistry March 14 in Washington, D.C.

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Sidney Katz, M.D., chairman of the Department of Community Health Science, discussed "Cost Effectiveness of Quality Assurance Programs in the United States Today" at a recent regional meeting of the American College of Physicians in Topeka, Kansas.

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George A. Gross, D.O., professor of community health science, presented a paper on "Sexually Transmitted Diseases" at a seminar sponsored by the Michigan Association of Osteopathic Physicians and Surgeons in Snowmass, Colorado April 4.

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Gaston E. Blom, M.D., professor of psychiatry and elementary and special education, discussed "Medical Issues in Mental Impairment -- Nutrition, Medication, and Contraception" with parents and staff of the Doris Klaussen Developmental Center, Calhoun Intermediate School District, Battle Creek, April 13.
Malcolm E. Williamson, D.O., associate clinical professor of osteopathic medicine, presented three papers at the Midwinter Review Seminar of the Great Lakes Academy of Applied Osteopathy held March 6-10 in Vail, Colorado. His presentations included "H-Y Antigen Deficiency in a 46XY Genotype but Phenotype Female," "Nuclear Medicine’s Recent Role in Diagnosing Myocardial Infarctions and Ischemia Using Tc99 pyrophosphate and Thallium 201," and "The Absolute Need for Neonatal T4, TSH Screening to Prevent Cretinism."

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E. Michael Lodish, D.O., clinical assistant professor of osteopathic medicine and chief of oncologic surgery at Detroit Osteopathic Hospital, made a presentation on the surgical management of oncology at the 1978 Arizona–Nevada Osteopathic Convention April 12 in Scottsdale, Arizona. He also spoke on "Surgical Approach to Malignancies of the Skin" at the annual midyear meeting of the American Osteopathic College of Dermatology meeting in Pontiac April 15.

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Charles Tweedle, Ph.D., associate professor of anatomy and zoology, was the coauthor of two papers presented at the meeting of the Federation of American Societies of Experimental Biology held in Atlantic City April 9-14. The papers included "Motor Endplate Morphology in Normal, Aged and Exercised Rats" (with K. Stephens of MSU’s Health, Physical Education and Recreation department and R. R. Roy of the Department of Kinesiology at UCLA) and "Muscle Fiber Splitting with Exercise in Rats" (with K. W. Ho, K. E. Stephens, W. W. Heusner and W. D. Van Huss of HPER and R. R. Roy of UCLA).

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Nanine S. Henderson, Ph.D., first-year osteopathic student, is the coauthor (with M. G. Gabridge, M. J. Bright, C. C. Agee, J. M. Nickerson) of "Development of an Improved Tracheal Explant for the Detection of the Ciliary Dyskinesia Factor in Cystic Fibrosis" accepted for publication in Pediatric Research.

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PHILIPP GERHARDT NAMED AAAS FELLOW

Philipp Gerhardt, Ph.D., associate dean for research, has been elected as a fellow of the American Association for the Advancement of Science as "one who has produced a body of work on behalf of the advancement of science that is scientifically distinguished or socially highly significant, or both."

Dr. Gerhardt was cited for his "research in microbiology on structure and function of cell integuments, especially of bacterial endospores, and on theory and application of dialysis culture methods."

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COMMUNIQUE

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, A331 East Fee Hall, East Lansing, MI, 48824; telephone 517-353-0820. Date of next issue: May 8. Copy deadline for next issue April 27,