Medical investments

W. Fred Graham, Ph.D., professor of religious studies, gave the MSU-COM commencement address at the Wharton Center for Performing Arts, Friday, June 12.

Graham, who has been ordained by the Presbyterian Church, spoke of how the ordination of the priests of old is not unlike the hooting of medical students.

Reading from Leviticus 8, Graham told the story of Moses bringing Aaron and his sons to be ordained.

Moses anointed the tabernacle and all that was in it to consecrate it. Moses took the ram of ordination and killed it, bleating and struggling, Graham said. He put some of the blood on the right ear of Aaron and his sons and some on the thumb of their right hands and on the great toe of their right feet and he threw the rest of the blood on the altar, he said.

"Now that," Graham said, "was a ceremony you would remember.

"Medical students, like Aaron and his sons, have been anointed and set apart to serve," Graham said. "And like priests, doctors will be paid by the sacrifices of the people.

"In osteopathy," he continued, addressing the class, "you have learned something of the special techniques of manipulation and perhaps you have a keener notion of healthiness than some doctors, whom one feels learn pathology without learning health."

Graham warned, however, that while the students are skilled and experienced in practical work they, unlike many students of his generation, are ignorant.

"You are ignorant of literature, history, sociology, philosophy and religious thought. There is a stress on science and technology, almost to the exclusion of the thought and artifacts of our culture.

"You are a priest in our society and like the priests of old, you will be tempted to misuse your craft...to exalt the mystery and diminish the human.

"To teach the people will be tiresome and troubling and not very lucrative. People become dependent on their priests and it will tempt you to seek--really, to enjoy--that. Health will become an ideal never to be reached."

There are two ways to avoid this, he said.

"First you must learn your own story and secondly that this can only be done by investing yourself in a cause greater than yourself. You must invest yourself so thoroughly, that you become lost in the work."

Graham also stressed that people must remember to take time for themselves.

"Set aside time to ask the big questions, such as who you are now, where you are going and whether you are developing a soul or becoming a priest to your technologies only."

"Paradoxical as it may seem," he concluded, "you must invest your small self into something larger than yourself if you are to be whole...Meditate and pray and find your own story. You will find it crosses and interweaves with all the other stories of humankind."

"It will serve you to know your own story," he said. "After all, God created us because God likes stories."

MSU-COM graduated 109 D.O.s.

In this issue
More on hooding 2-3
List of graduate candidates 4-5
MSU-COM computers 6-8
New pioneers of old beliefs

The 1987 class president, Sue Tillotson, in her remarks at commencement warned of the medical profession's tendency to disregard osteopathic principles.

"In this day of 'modern medicine', it narrow, we can't see the forest for the trees," she said. "As we develop the areas of medical research and development within our profession, we need to stay committed to ingraining the principles of osteopathy in our graduates."

Finally, she urged the class to stay committed to the holistic approach.

"But, if they (osteopathic principles) remain only beliefs and we don't act on them," she said, "they have little value."

"Let osteopathy represent not just manipulation, as in our chiropractic colleagues, and not a disease oriented approach, as in our allopathic colleagues, and not a mere combination of the two," she concluded. "Let it represent a holistic approach to medical care that Dr. Still intended it to be. A concept as progressive today, as it was in 1874...It is my hope that this graduating class will dedicate itself to becoming new pioneers of old beliefs."

Sue Tillotson, 1987 class president.

is ironic that these ideas (osteopathic) are perceived as progressive today as they were back in 1874. Today's medical society has a self-defeating arrogance about it...an attitude that medicine has no use for old beliefs.

"The sad part is that this profession has started to adopt this belief, as we see greater emphasis being placed on our involvement in research and development of specialties and less emphasis on teaching our graduates how to apply today's wealth of knowledge with a holistic approach.

"We have further jeopardized our profession by practicing professional isolationism. We ostracized our members who seek acquisition of knowledge from outside institutions, for in so doing, they dare imply that this profession is less than all knowing."

Tillotson went on to say that with today's emphasis on specialization, the osteopathic holistic approach has never been greater.

"Medical practice has become so specialized that often our focus is so

MSTP graduate honored

David Semeyn has a feeling that the MSTP (Medical Scientist Training Program) graduates will be leaders in osteopathic research.

He should know. He will be one of them.

Semeyn, from Grand Rapids, earned both a D.O. and a Ph.D. in neurosciences and zoology at commencement this year. He earned a B.S. in physiology and a M.S. in zoology, both from MSU.

In retrospect, Semeyn says, the MSTP is "just fantastic." He felt very fortunate to have so many faculty to draw upon at MSU.

"This is the only program of its kind in the osteopathic profession and there is a need to have that sort of program in order to train academic physicians," Semeyn said.

For his Ph.D., Semeyn studied the cholinergic nervous system of the adult schistosome in an attempt to determine cheap and effective treatment for schistosomiasis. The disease is currently a critical problem in third world countries, he said.

In retrospect, Semeyn also praised the osteopathic hands-on holistic approach.

"I feel I'm a better physician for the training I received in relating to virtually all types of patients," Semeyn said. "We are trained to be very empathetic with patients."

Semeyn's future plans include entering a residency program possibly in neuropsychiatry or cardiology. He is currently working on two research manuscripts and he starts his internship at Flint Osteopathic Hospital this July.

As for long term goals, Semeyn hopes to continue research projects, teach and go into family practice.

David Semeyn, MSTP graduate and class treasurer, also announced that the class gift was a refrigerated drinking fountain in the hall between East and West Fee Halls. Any who snickered were invited to test out the existing fountain.
Oliver W. Hayes and David I. Kaufman, both assistant professors of internal medicine, presented hoods and congratulated graduates. Katherine E. White, assistant dean for student affairs had given the welcome.

Student awards

Mary Chisholm Jordan

The Richard L. Alper Memorial Award for community service was presented to Mary Chisholm Jordan. Howard W. Stoudt, Ph.D., presented the award noting Chisholm Jordan's service outside the regular medical curriculum, including her work in the MSU immunization clinic and the MSU human performance clinic, fund raising efforts to promote community medical education and summer work in Mount Clemens.

Patricia A. Schmidt

The Judith K. Weiswasser Memorial Award for the outstanding woman graduate of the 1987 MSU-COM class was presented to Patricia A. Schmidt. Margaret I. Agwu, D.O., associate professor of family medicine, presented the award which recognizes outstanding on-campus academic performance, outstanding clinical performance and a special dedication to extracurricular activities.

Timothy Hodge


The Family Medicine Osteopathic Concept Award has been awarded to Edward W. Haughn, for displaying and utilizing the osteopathic concept for patient health care in a family setting.

Faculty awards

James W. Douglas, secretary of the 1987 class, presented the following faculty awards:

The Outstanding Faculty Award to Ralph F. Otten, D.O., professor of internal medicine.

The Basic Science Award to Henry A. Kallet, M.D., professor of pathology.

The Clinical Science award to James Gorden Cunningham, D.V.M., Ph.D., associate professor of physiology.
The 1987 MSU College of Osteopathic Medicine

The following list includes the internships of the graduates from the American Osteopathic Association.

Diane Abby - Detroit
Osteopathic Hospital
Toni L. Ballitch - Botsford
General Hospital (Osteopathic)
Michael E. Barnes - Lansing
General Hospital (Osteopathic)
Sheila A. Barnes
Brian D. Bearie - Detroit
Osteopathic Hospital
Richard F. Bennett - Flint
Osteopathic Hospital
David M. Bracciano - Mount
Clemens General Hospital
David L. Byington - Mount
Clemens General Hospital
Daniel T. Carrel - Lansing
General Hospital (Osteopathic)
Michael C. Chabot - Detroit
Osteopathic Hospital
Victoria H. Chabot - Detroit
Osteopathic Hospital
Mary J. Chisholm Jordan - Mount
Clemens General Hospital
Bevin T. Clayton - Metropolitan
Hospital
Kevin J. Clayton - Lansing
General Hospital
Leland M. Coffman - Flint
Osteopathic Hospital
Mark A. Cook
Micheal D. Dargay - Pontiac
Osteopathic Hospital
Ann S. Darmon - Oakland
General Hospital, Osteopathic

John C. Davis - Detroit
Osteopathic Hospital
Michael B. Davidson
Jeffrey S. Deitch - Botsford
General Hospital
Debra M. Dillon - Metropolitan
Hospital
Craig A. Dolven - Flint
Osteopathic Hospital
Richard W. Doud - Lansing
General Hospital
James W. Douglas - Flint
Osteopathic Hospital
Eric R. Eggenberger - Detroit
Osteopathic Hospital
John K. Everett - Mount
Clemens General Hospital
Dana M. Fontain - Bay
Osteopathic Hospital
Harry D. Friedman - Michiana
Community Hospital
Scott D. Friedman - Detroit
Osteopathic Hospital
Gail M. Gagnon - Traverse City
Osteopathic Hospital
Allan J. Galarneau - Botsford
General Hospital
Kellie J. Gale - Metropolitan
Hospital
Richard D. Gloor - Parkview
Hospital
Neil J. Goodman - Traverse
City Osteopathic Hospital
Pawel P. Gruca - Muskegon
General Hospital
Richard F. Grzybowski - Riverside
Osteopathic Hospital
Cynthia S. Gulick - Eastmoreland General Hospital
Halina K. Harding - Pontiac
Osteopathic Hospital

Gregory D. Harrington III - St. Lawrence Hospital
Edward W. Haughn - Traverse
City Osteopathic Hospital
Jeffrey R. Hayes - Detroit
Osteopathic Hospital
Ross A. Hazlewood - Riverside
Osteopathic Hospital
Valerie R. Herrington - Detroit
Osteopathic Hospital
Timothy Hodge - Michigan
Osteopathic Medical Center/Acute Care
Robert D. Holwerda - Muskegon General Hospital
Daniel C. Huddle - Mount
Clemens General Hospital
David A. Huff - Pontiac
Osteopathic Hospital
Roxanne Igram - Flint
Osteopathic Hospital
Moses S. Ijaz - Michigan
Osteopathic Medical Center/Acute Care
John Jackson III - Baptist
Medical Center of New York
Douglas L. Jarvis - Tripler
Army Medical Center
J. Stewart Jones - Oakland
General Hospital (Osteopathic)
Robert A. Jones - Detroit
Osteopathic Hospital/Bi-County Hospital
Adrienne M. Kania - Garden
City Hospital (Osteopathic)
Steven J. Kin - Botsford
General Hospital (Osteopathic)
Jeffrey R. Kovan - Botsford
General Hospital (Osteopathic)
Donald C. Kowalewski - Pontiac
Osteopathic Hospital
Doctor of Osteopathy candidates for graduation

James P. La Berge - Lansing
General Hospital (Osteopathic)
Bela T. Lancey - Lansing
General Hospital (Osteopathic)
Tracey S. Linden - Botsford
General Hospital (Osteopathic)
Tommy G. Lindsey II - Lansing
General Hospital (Osteopathic)
Gregory P. Marcoe - E.W.
Sparrow Hospital
Andrew C. Maser - Mount
Clemens General Hospital
Dale R. McCririe - Mount
Clemens General Hospital
Christopher Milan - Traverse
City Osteopathic Hospital
Grant L. Mitchell - Oakland
General Hospital (Osteopathic)
M. Melissa Moon

Luis A. Murrain - Detroit
Osteopathic Hospital
Mark C. O'Brien - Flint
Osteopathic Hospital
John P. Ockenfels - Flint
Osteopathic Hospital
Gerald E. Pass - Botsford
General Hospital
Gary W. Pilchak - Botsford
General Hospital
Timothy A. Piontkowski -
Mount Clemens General
Hospital
Richard G. Potts - Flint
Osteopathic Hospital
David W. Prieskorn - Botsford
General Hospital
Mark A. Priest - Traverse City
Osteopathic Hospital
Clark E. Pritts - Flint
Osteopathic Hospital
Jon H. Radnocy - Pontiac
Osteopathic Hospital
Terry M. Reznick - Oakland
General Hospital (Osteopathic)
Joann Riggins - St. Lawrence
Hospital
Mark S. Rosenberg - Oakland
General Hospital (Osteopathic)
Naomi Sato - Riverside
Osteopathic Hospital
Patricia A. Schmidt - Detroit
Osteopathic Hospital
Vicky M. Scott - Flint
Osteopathic Hospital
Virginia M. Scruggs
David R. Semeyn - Flint
Osteopathic Hospital
Suzanne H. Shenk - Riverside
Osteopathic Hospital

William C. Shillinglaw - Detroit
Osteopathic Hospital
Lynn M. Sikorski - Pontiac
Osteopathic Hospital
Mark E. Sikorski - Mount
Clemens General Hospital
Kyle G. Smith - Riverside
Osteopathic Hospital
Deborah C. Stokes - Michigan
Osteopathic Medical
Center/Acute Care
Henry P. Szegal - Garden City
Hospital (Osteopathic)
Philip J. Taylor - Traverse City
Osteopathic Hospital
William J. Telford - Detroit
Osteopathic Hospital
Sue L. Tillotson - Mount
Clemens General Hospital
Noel H. Upshall - Oakland
General Hospital
Marcy D. Verplanck-Kanitz -
Metropolitan Hospital
Darrell D. Vlachos - Riverside
Osteopathic Hospital
James S. Wagenaar -
Metropolitan Hospital
Larry H. Wahl - Detroit
Osteopathic Hospital
Joseph L. Walkiewicz - Detroit
Osteopathic Hospital
David P. Walters - Flint
Osteopathic Hospital
Andrew K. Weitzel - Riverside
Osteopathic Hospital
Deidre A. Wickham - Botsford
General Hospital
Astrid R. Wingard -
Metropolitan Hospital
Shauna G. Wright - Mount
Clemens General Hospital

Margaret Jones, M.D., professor of pathology, hooded her son J. Stewart Jones.
MSU-COM's user friendly team

One goal at MSU-COM's Information Systems and Analysis is simply "to get people involved," says Sashi Reddy, who heads the unit. Because their primary function is to provide MSU-COM with computerized information management systems and analysis for effective day-to-day operations, ISA has been providing more and more services and the areas where people might get involved are rapidly growing.

Since Reddy came to ISA in 1983, there have been major changes.

"At first people were hesitant about the computerization of their work," Reddy said. "Now they know that computerization gives them more free time to do more creative things."

A major thrust of ISA's work involves systemic design and development.

"We can design a computer program for the administrative needs of virtually every unit within the College," Reddy said. "We hope to see more and more departments in MSU-COM use the ISA facilities in whatever ways they see fit."

"We can design a computer program for the administrative needs of virtually every unit within the college."

Currently, an important systems design project for ISA is the American Osteopathic Association osteopathic manipulative therapy study. A national panel designing the protocol for the study will meet at MSU-COM this summer and it is significant that they will be utilizing MSU facilities.

"This is a major step toward keeping more research data in the college's

Bits and bytes

Computers have rapidly reached a point where they affect every aspect of living, experts say. Is this an exaggeration? Read on for a sampling of how ISA makes this point.

ISA designs, develops and maintains on-line computer systems which allow MSU-COM to store, retrieve and analyze the information and data used in day-to-day operations.

Presently available systems include: admissions, adjunct faculty, alumni and CME, billing, grader, grants information management, inventory, residency, space and key management, student affairs and Unit III scheduling.

In addition to systems development, ISA also offers the following services to MSU-COM departments: graphics facilities and training in the use of graphics software, hardware selection, acquisition and installation, modems, hardware and software demonstrations, support and troubleshooting of both hardware and software, training on various data base searches and training on application systems and software on the HP 3000 computer.

They also maintain a user-room with: Hewlett Packard terminals, an IBM PC, graphics terminals and plotter and a laser printer.

ISA's HP word processing can not only make writing tasks much easier and faster than typing, but can also check for spelling errors, paginate, search for and replace one word or
Reddy is eager to involve more departments with ISA. Here she helps Beth Courey, Health Information.

computer instead of depending on other institutions for computerized data collection and analysis,” Reddy said.

The ISA staff spend the majority of their time designing systems but a great deal of effort also goes into troubleshooting and training and helping people.

"Anytime someone stops in for help or has a question," Reddy said, "we make time for them."

At MSU-COM’s fingertips are word processing, electronic mail, graphics, desk top publishing and numerous application systems. In addition ISA offers classes on available services (summer classes are listed on page 6), consulting for possible purchases and personal computer training.

While the amount of services ISA provides has increased, the staff has actually decreased. In addition to Reddy, who comes from India in Andhra Pradesh, in the Cuddapah district, there are only two systems analysts and five graduate assistants.

Terry McDowell, systems analyst, has been with ISA for a year and a half. He studied computer science at Wayne State University and had worked at the University of Michigan, Dearborn, for four years prior. David Knight, systems analyst, a relative newcomer, has been at ISA for six months. Knight received a B.S. in computer science from MSU.

Tracy Webb, graduate assistant, while working on a Ph.D. in English, develops user manuals, is the key continued on next page

The Xerox fullpage display screen have allowed MSU-COM staff to save time and money with Ventura desk top publishing. Communiqué is an example of a Ventura product. Here systems analyst, David Knight trouble shoots with Ventura for Jan Carson, Continuing Medical Education.

Pictures, graphs, maps and charts can be conjured up with HP computers.

ISA’s newly acquired scanning equipment will make even more graphics possible, including photographs.

phrase with another, perform mathematical calculations within a document, include illustrations, tables or charts in a document and produce customized documents using individualized variables.

HP desk manager, a new ISA offering, provides the benefits of electronic mail, word processing, time management and personal filing all in one easy-to-use system.

If you have a modem, you’ve got a library at your desk. With a microcomputer, communications software and either a BIU connection or a 110, 300, 1200, or 2400 baud modem you can access MSUnet and, through it, the MSU library’s CLSI and Electronic Bulletin Board systems. The CLSI database contains most books and journals in the library. The electronic bulletin board provides interlibrary loan requests, photoduplication service, book holds, reports on the status of your requests and faculty/handicap deliveries.
The following chart makes up the schedule of classes that ISA will offer this summer. Each class takes about an hour. For more information or to register contact ISA, 355-9309.

<table>
<thead>
<tr>
<th>July</th>
<th>Time</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>3:30 p.m.</td>
<td>HP word</td>
</tr>
<tr>
<td>1:30 p.m.</td>
<td></td>
<td>HP draw</td>
</tr>
<tr>
<td>9</td>
<td>2:30 p.m.</td>
<td>HP easy chart</td>
</tr>
<tr>
<td>3 p.m.</td>
<td></td>
<td>HP desk</td>
</tr>
<tr>
<td>22</td>
<td>3:30 p.m.</td>
<td>HP library/HP schedule</td>
</tr>
<tr>
<td>9:30 a.m.</td>
<td></td>
<td>HP desk</td>
</tr>
<tr>
<td>23</td>
<td>11 a.m.</td>
<td>HP library/HP schedule</td>
</tr>
<tr>
<td>10 a.m.</td>
<td></td>
<td>HP word</td>
</tr>
<tr>
<td>11 a.m.</td>
<td></td>
<td>HP draw</td>
</tr>
<tr>
<td>5</td>
<td>9 a.m.</td>
<td>HP easy chart</td>
</tr>
<tr>
<td>1:30 p.m.</td>
<td></td>
<td>HP word</td>
</tr>
<tr>
<td>2:30 p.m.</td>
<td></td>
<td>HP draw</td>
</tr>
<tr>
<td>6</td>
<td>3:30 p.m.</td>
<td>HP easy chart</td>
</tr>
<tr>
<td>3 p.m.</td>
<td></td>
<td>HP desk</td>
</tr>
<tr>
<td></td>
<td>1:30 p.m.</td>
<td>HP library/HP schedule</td>
</tr>
</tbody>
</table>

News on campus

Faculty and staff

Carl G. Becker, clinical associate professor in family medicine, has been re-elected president of the Mount Clemens General Hospital board of trustees.

James L. Bennett, professor of pharmacology and toxicology, has received $91,762 from the National Institutes of Health for his research project entitled "The Schistosome Segument -- An Electrophyiological Study."

The American Joint Committee on Cancer has appointed Harold E. Bowman, associate chairperson of pathology, as a representative of the College of American Pathologists. Bowman is also the director of the National Board of the American Cancer Society in New York.

David Gift, specialist in the radiology department, has received one of the 20 outstanding Speaker Awards granted nationally by the American Association for Clinical Chemistry in 1986. The award recognizes a continuing education lecture entitled "NMR as a Clinical Chemistry Probe" delivered at an AACC Michigan Section meeting last February at Providence Hospital.

Philip E. Greenman, associate dean and professor of biomechanics, had a CME article in the May issue of Osteopathic Medical News, entitled "Models and Mechanisms of Osteopathic Manipulative Medicine."

Jon J. Kabara, professor of biomechanics, married Marilouise Dodge on June 21 in Maquoketa, Iowa.

George E. Kleiber, clinical associate professor of internal medicine, was appointed to the AOA Committee on Research Grants.

The National Science Foundation has granted $4,000 to David McConnell, professor of biochemistry, for his studies of retinal rod cyclic GMP phosphodiesterase.

Melvin S. Schindler, assistant professor of biochemistry, has been awarded $142,527 from the National Institutes of Health for his work on the biodynamics of the nuclear membrane and matrix.

continued on page 10
Gerhardt, first associate dean for research and advanced study, retires

Philipp Gerhardt, Ph.D., retired from his position of associate dean for research and advanced study in the College of Osteopathic Medicine on July 1, 1987, after 12 years. He will, however, continue as a professor of microbiology and public health and as an adjunct senior scientist in the Michigan Biotechnology Institute, so is still available to MSU-COM for consultation.

Gerhardt first came to MSU in 1965 as the chair of the microbiology department. Starting in 1975, while continuing as a professor in that department, Gerhardt became MSU-COM’s first associate dean for research and advanced study.

"Research in the college needed to be fostered," Gerhardt said. "We first established a general research support program with peer review, enabling MSU-COM faculty to conduct pilot research that would encourage additional grants. These now amount to nearly five million dollars annually."

Another early initiative was to recruit Drs. Veronica Maher and J. Justin McCormick to establish an exemplary, world-class research laboratory for the college in a forefront area, carcinogenesis.

Gerhardt in 1979 instituted graduate degree programs within the college, the first among osteopathic schools nationally.

In 1980 he developed a medical scientist training program for dual D.O.-Ph.D. degrees, also a first for osteopathic schools. Five trainees have graduated and thirteen are now active in the program.

Gerhardt currently is also advocating a five-year program of research training for D.O. students, without a graduate degree. Several students are so engaged.

"In terms of funding, faculty, projects and overall quality, MSU-COM is clearly the national leader in research among D.O. schools," Gerhardt said. "We also lead in the training of medical scientists and educators for the profession."

"Dr. Gerhardt has been instrumental in bringing us to this standing," said Myron S. Magen, dean. "His work here has established a credibility in research and research training."

Prior to his career at MSU, Gerhardt established himself as a teacher and researcher at the University of Michigan from 1953-65. Throughout his career, he has been honored with visiting scientist positions at many institutions.

He also found time to serve six years as secretary of the American Society for Microbiology, an organization then of 22,000 members which elected him as president in 1974.

Gerhardt received an MSU Distinguished Faculty Award in 1982. He has trained 28 graduate students and 14 postdoctoral associates during his career at three universities.

Gerhardt has been involved with numerous international scientific organizations, mainly the International Union of Microbiological Societies, which comprises 90 member societies from 58 countries. He was president of the Union from 1982-86.

He currently is active in the International Council of Scientific Unions (ICUS), the world umbrella organization for scientific disciplines and national academies of science. He is a member of the steering committee for the ICSU International Biosciences Networks, which facilitates bioscience growth in developing countries.

Gerhardt has also just been elected president of a new ICSU Scientific Committee for Biotechnology, whose purposes are to promote and to provide information and advice on biotechnology for the international community.

After retiring from his MSU-COM administrative work, Gerhardt plans to concentrate on his research activities. He has directed two long-range research projects, both with ongoing extramural support. One deals with the basic means by which bacterial spores resist extreme heat, an important problem in sterilization processes that are necessary in medical practice and food preservation. The other project addresses fermentation processes and the use of membranes to enhance their productivity.

Dr. McCormick is serving as acting associate dean until new separate positions for research and advanced study are filled.
On Campus
continued from 8


Kenneth Stringer, associate professor of pediatrics, and his wife are the parents of a son David. David was born March 29 and weighed seven pounds, three ounces.

Terrie E. Taylor, instructor in community health science, currently doing research in Malawi, Africa, has received $23,000 from the Burroughs Wellcome Fund for her work on immunotherapy in pediatric cerebral malaria.


An additional $1,004 was granted to John L. Wang, professor of biochemistry, from the National Institutes of Health for his continued research on the molecular analysis of a growth factor.

Robert Ward, professor of biomechanics and Sarah Sprafka, Office of Academic Affairs, have been awarded $3,000 from the Southeastern College of Osteopathic Medicine for their continuing work on osteopathic principles in education.

The Wisconsin Milk Marketing Board, Inc. has awarded $60,840 to Clifford Welsh, anatomy professor, for cancer research on dietary milk fat on normal and cancerous human breast tissue.

Several faculty and students in the Department of Biomechanics presented papers at the 1987 ASME Applied Mechanics, Bioengineering and Fluids Engineering Conference in Cincinnati, Ohio, June 14-17. They are:

R. C. Haut, "The Contact Pressures on Articular Cartilage of the Human Knee During Impact Load."


K. J. Chun (University of Cincinnati) and Robert P. Hubbard, associate professor of biomechanics and metallurgy, mechanics and materials science, "Constitutive Model of Tendon Responses to Multiple Cyclic Demands -- I: Experimental Analysis" and "II: Theory and Comparison."

J. S. Mukherjee, K. M. Cowling, Robert Soutas-Little, professor and chairperson of biomechanics, Robert P. Hubbard, associate professor of biomechanics and J. Kately (Sparrow Hospital Tissue Bank), "Mechanical Analysis and Finite Element Modeling of Bone Allografts after Different Types of Sterilization."

Patricia Soutas-Little, R. Fredericksen, M. Schwartz, and Robert Soutas-Little, professor and chairperson of biomechanics, "Dynamic Profile of Female Gait."


Students

Five MSU-COM students will serve on the Student Osteopathic Medical Association 1987-88 National Board. They are Danette Skowronski, vice president, Joseph Naughton, membership coordinator, Mitzi Amelon, community service coordinator, Tom Biggs, SOMA foundation director and Ed Loniewski, public relations committee.

Mark Griswold and his wife Kathy Griswold are the parents of a son Ross Andrew, born March 14. Ross weighed 7 pounds, 1 ounce.

Alumni news

Jeffrey Kommit, '78, writes "Sandy and I are the proud parents of a daughter, Jamie Sara, born February 6, 1986, and we are expecting a little sister for her in mid-October. I am in the practice of anesthesia at Muskegon General Hospital and we are living in Grand Haven."

Attention Alumni, we need (and always appreciate) your news. Please continue to write to the Office of Health Information (address on left). Include your phone, address and graduating class.
Wood named associate dean of MSU-COM

Douglas L. Wood, director of medical education at Mt. Clemens General Hospital, has been appointed associate dean of MSU-COM. Wood will also serve as a professor in the Department of Internal Medicine. His appointment is effective August 1, 1987.

"We are pleased to have Dr. Wood join our staff," said Myron S. Magen, dean. "He brings exceptional medical, educational and administrative skills to the position."

Wood has served as medical education director at Mt. Clemens General Hospital since 1982. In addition, he is director of the hospital's continuous ambulatory peritoneal dialysis unit and director of the city of Mt. Clemens' Comprehensive Health Educational Systems.

A native of Muskegon, Wood earned a B.S. degree from the University of Michigan in zoology, a D.O. degree from Kansas City College of Osteopathic Medicine and a Ph.D. from Wayne State University. His Ph.D. was in medical education in the area of educational evaluation and research.

Wood has been a clinical associate professor at MSU-COM since 1972. At Mount Clemens General Hospital, he spent six years as co-trainer in the internal medicine residency program and an additional five years as the program's director.

Other professional positions include director of acute hemodialysis at St. Joseph Hospital, Mount Clemens and director of hemodialysis unit at Mount Clemens General Hospital.

He is certified in internal medicine and nephrology by the American Osteopathic Board of Internal Medicine and the American Osteopathic Association.

Wood replaces Philip Greenman who is stepping down to devote more time to teaching, research and patient care. Greenman has served as associate dean since 1980.

Moore named chairperson, Department of Pharmacology and Toxicology

Kenneth E. Moore, professor of pharmacology and toxicology, has been named chairperson of that department in the Colleges of Osteopathic Medicine, Human Medicine and Veterinary Medicine.

Moore, who served as acting chairperson of the department in 1973, joined the pharmacology faculty in 1966 as an associate professor and became a full professor in 1970. He has been vice chairman of the department since 1982. In addition, Moore was an instructor at Lansing Community College for seven years.

A native of Canada, Moore has bachelor's and master's degrees from the University of Alberta and a Ph.D. in pharmacology from the University of Michigan.

He taught at the Dartmouth Medical School prior to his appointment here.

In 1974, he was a visiting scholar at the MRC Neurochemical Pharmacology Unit at Cambridge University, England.

Throughout his career, Moore has served on national committees, including several at the National Institutes of Health and the American Society for Pharmacology and Experimental Therapeutics.

A nationally known expert on the effects of drugs on neurochemical changes in the brain, Moore has published numerous papers and articles on the subject.

Retzlaff and Mitchell co-edit reference book


The book meets the need for an annotated bibliography of the body of scientific research dealing with the anatomy, biomechanics and physiology of the skull and the cranial sutures, Retzlaff said.

The annotated bibliography is listed alphabetically by author.
Calendar

July 14-17
Emergency Medicine Assembly

Fourteenth Michigan Emergency Medicine Assembly sponsored by the Michigan Chapter of the American College of Emergency Physicians and MSU-COM to be held at Grand Traverse Resort Village, Grand Traverse Village, MI and Northwestern Michigan College. ACEP Category I credit or AOA Category I-A and/or I-E credit may be earned. For further information contact Catherine C. Sleicher, Michigan Chapter ACEP, 1305 Abbott Road, Suite 104, East Lansing, MI 48823, (517) 332-6500.

July 17-18
Cardiopulmonary Diseases

"Practical Approach to the Diagnosis and Management of Cardiopulmonary Diseases" conference sponsored by MSU-COM and Riker Laboratories to be held at Grand Traverse Resort Village, Grand Traverse Village, MI. 10 hours of Category I credit may be earned. Cost is $100. For more information call or write the Office of Continuing Medical Education, A-306 E. Fee Hall, MSU-COM, East Lansing, MI 48824-1316, (517) 353-9714.

July 31-August 2
Tutorial on Level II Myofascial Release Technique

This course is designed to build on the Level I course by giving additional hands-on theoretical experience. The course will emphasize and assist in developing a working knowledge of functional anatomy and neuroreflexive mechanisms which can be used in the treatment of biomechanical problems. The course is co-sponsored by MSU-COM and the College of Human Medicine and will be held at The Homestead Resort, Glen Arbor, MI. 24 hours of Category I credit available. Cost is $375 or $200 for physicians in training. For more information or to register, contact the Office of Continuing Medical Education, A-306 E. Fee Hall, MSU-COM, East Lansing, MI 48824-1316, (517) 353-9714.

September 18-20
Tutorial on Level I Myofascial Release Technique

Intensive exposure to basic concepts of myofascial release manipulation therapy. The course is co-sponsored by MSU-COM and the College of Human Medicine and will be held at the Kellogg Center for Continuing Education, MSU. 24 hours of Category I credit may be earned. Cost is $375 or $200 for physicians in training. For more information or to register, contact the Office of Continuing Education, A-306 E. Fee Hall, MSU-COM, East Lansing, MI 48824-1316, (517) 353-9714.

October 9-10
Annual Scientific Seminar & Football Weekend: Topics in Emergency Medicine

MSU vs. University of Michigan! Sponsored by MSU-COM at the Kellogg Center for Continuing Education, MSU. To obtain a registration form contact the Office of Continuing Medical Education, MSU-COM, East Lansing, MI 48824-1316, (517) 353-9714.

The next issue

The next issue of Communique will not be until the start of fall term in mid-September.

Please send suggestions and news items to "Communique," Office of Health Information, MSU-COM, East Lansing, MI 48824-1316, or call us at (517) 355-9611.