Linkages to Africa

During a summer tour of four African nations, some MSU-COM faculty helped facilitate new links. They also had the opportunity to observe some of the fruits of previous commitments.

Last summer, Myron S. Magen, dean, John Hunter, professor of community health science and of geography and Walter Mill, professor of osteopathic medicine visited several African nations to explore medical institutions and establish contacts for MSU.

An invitation to participate in an all-African medical school curricula workshop at the University of Zimbabwe Medical School was the primary impetus for the trip, said Hunter.

"Given MSU's long-standing African expertise and commitment, and in particular, its rapidly expanding medical involvement, we took the opportunity to arrange visits to several other African countries both before and after the workshop," Hunter said.

Starting with a 10-day tour in Ethiopia, they were able to facilitate the possibility of 11 graduate students coming to MSU from various institutions there. These institutions included the National Institute of Health and Research and the University of Addis Ababa Medical School, which has a formal linkage with MSU. All of the students would bring their own funding, either from the government, or other sources.

Some of the people Magen and Hunter

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Speaking of his last five years as a consultant to MSU-COM, Keith Goldhammer, former dean of the College of Education, says he didn't expect to be at it for this long.

"I've told Dean Magen, if he thinks up any new projects for me to work on, I need a tenured position!" Goldhammer said.

Having worked on many valuable projects with many different members of the MSU-COM faculty and administration, Goldhammer reflects that the work has been both "rewarding and fun."

"The college is very fortunate to have Keith Goldhammer's expertise to draw on," Gail Riegel, associate dean for academic affairs, said. "He is a valuable resource."

Goldhammer came to MSU in 1972 to serve as dean of the College of Education and remained in that position until 1980. He brought with him a rich background as a scholar, researcher and administrator. After obtaining a B.A. in literature and languages at Reed College he moved to focus his career in educational administration and the sociology of education, obtaining a master's and Ph.D. from the University of Oregon. His professional positions include assistant professor at Stanford University, director of educational research at the University of Oregon and dean of the School of Education at Oregon State University.

Goldhammer was far from unfamiliar with MSU-COM and medical education when beginning his consultanship. Several joint projects between the College of Education and MSU-COM had benefitted from his leadership. Most notable was the University Center for International Rehabilitation which assessed the medical and educational components of treatment of handicapped persons.

"When I retired (from the College of Education) in 1982, the dean asked me to come over," he said. "He needed someone to look at the curriculum issues and set a pattern for improvement of the program. The curriculum had not been revised in some time."

The first step involved the formation of an ad hoc committee on curriculum study which Goldhammer chaired.

After about 18 months of study, reports and hearings, the committee put together a report. The faculty called for the report's implementation as soon as possible and Goldhammer found himself back at MSU-COM.

"The dean asked me to come back again to assist with the development," he said. "And so I stayed with it."

Goldhammer remembers that "the biggest job in that period was that no one knew in precise detail what was in the curriculum."

Thus Goldhammer, together with Herbert Reynolds, associate professor of Biomechanics and then chairperson of the Curriculum Committee, implemented the Osteopathic Curriculum Information System, reported on in *Communique* in October.

"Now that OCIS is in shape we can explore the breadth and depth of the curriculum," Goldhammer said.

Yet another project that Goldhammer has had a hand in is the task force on accountability. Chaired by Bernard Kay, chairperson of pediatrics, the group has been looking at and improving clerkships.

"We want to make the clerkships more individualized," Goldhammer said. "Students should be getting experience in the areas where they will actually be practicing."

"So that's what has kept me busy for the last five years," he said. "And I've had fun doing it."

**The Justright College of Osteopathic Medicine**

A current project for Goldhammer is planning a workshop on the accreditation process for osteopathic colleges.

Slated for the December American Osteopathic Association Accreditation Workshop in Chicago, a simulated version of the accreditation process has been prepared on video tape.

Representing the imaginary Justright College of Osteopathic Medicine in Big City, MSU-COM faculty and staff members were interviewed by others representing an imaginary accreditation board.

In Chicago there will be five groups of persons approved by the AOA to serve as site team evaluators watching and critiquing the tape as part of a workshop.

"This is a totally different approach to training those teams," Goldhammer said. "There is great variability among the teams and we want to prepare those individuals to give consistent responsible evaluations," Goldhammer said.
Seen at convocation...

Entering class students Ty Tvedten and Anne Majewski at the convocation reception

Leone Patenge, wife of the late Walter F. Patenge, in whose name the awards are given

Robert Soutas-Little, chairperson of biomechanics, and Kathleen Cowling, entering class student

Katherine Pitus and Karl Greszinger, both entering class students

The entering class of 1987, faculty, staff and friends attended the MSU-COM convocation.
Linkages
continued from 1
met with included the minister of health, the president of Addis Ababa University and the dean of the Jimma Institute of Health Sciences. Although these Ethiopians felt that basic medical training should be conducted

in-country, short term overseas training should augment this.

Magen and Hunter also toured several training centers and hospitals during their visit. They noted national focus on "villagization" or rural development. Vector-borne diseases, especially malaria, continue to be major health concerns.

Upon arrival in Harare, the capital city of Zimbabwe, Hunter reported, they "felt immediately at home because of MSU's long-standing connections there." They were met at the airport by MSU's Harvey Sparks, chairperson of physiology, Barbara Sparks, assistant professor of obstetrical nursing, and James Cunningham, professor of physiology and veterinary medicine. (The work of Harvey Sparks, a visiting Fulbright professor in the University of Zimbabwe Medical School, James Cunningham and Barbara Sparks is highlighted on pages 5-7 in this issue.)

Also in Harare, the MSU African Studies Center, under the leadership of David Wiley, maintains a linkage program supported by the U.S. Information Agency and MSU's College of Agriculture and Natural Resources. The center operates a major development program in Zimbabwe, funded by USAID.

Magen and Hunter were joined by Walter Mill. Both Magen and Mill attended the medical curricula workshop. They served as

Private voluntary facilities, with government coordination and assistance, play a major role in providing health care in Africa, they reported. The Salvation Army's Howard Hospital in Zimbabwe at Chiweshe is a rural site for medical students.

discussants and had opportunities to meet with several African medical scholars.

The three traveled on to Malawi, where they visited the Chikewa District Hospital. They reported that this might be a good site for MSU-COM students if a physician were available and willing to supervise. At present the hospital does not have an attending physician and tuberculosis is a serious problem in the area.

Another potential location for MSU-COM students was St. Lukes Mission Hospital near the mountainous Zomba plateau. Here two physicians operate the hospital primarily through donations.

They also met with John Chipangwi, M.D., who has been given the mission of developing a new medical school for Malawi. They proposed that a two- to three-person team from MSU could spend short periods of time there to present faculty development programs.

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Cunningham on sabbatical

Sitting in a Giltnar Hall office, surrounded by 10 pieces of African sculpture, James Cunningham explains that his recent sabbatical in Zimbabwe was actually his fourth visit to Africa.

Cunningham, an associate professor of physiology, spent six months teaching physiology to veterinary medical students at the University of Zimbabwe.

In what he describes as "the accidents of one's career," Cunningham has taught in Nigeria and Kenya on previous visits. He credits John Hunter, professor of community health science and geography, with getting him involved with the African Studies Center at MSU and thus continuing his interest in Africa.

"Zimbabwe, relative to many African countries, is stable," he said. "The major problem is it is land-locked and must rely on Mozambique and South African ports to export its goods."

Cunningham, who received the clinical science award from the MSU-COM class of 1986, said the teaching in Zimbabwe was intensive.

"There are fewer textbooks so students rely on more lectures and labs," he said.

Cunningham, accompanied to Zimbabwe by his wife and three teenaged sons, also took the time to study wood and stone sculpting in Africa. One of his teachers was featured recently in a Newsweek article.

The Cunninghams lived in Harare near the university. Their transportation was by bike. Cars are infrequent in Zimbabwe, Cunningham said.

"Harare is very much like a European city," he said. "There is obvious poverty in areas, but the city is affluent. It has skyscrapers and imported goods are generally available."

"Zimbabwe has a great deal of natural splendor," he said. "There is a lot of beautiful landscape and, of course, Victoria Falls, one of the wonders of the world."

He also described Zimbabwe as a friendly country.

"My sons got along very well at school. The other children were open to newcomers," he said.

Petropoulos on sabbatical, vice versa

MSU's linkage with the University of Zimbabwe also brings new ideas and people to MSU.

Evangelos A. Petropoulos is an example.

Joining the MSU physiology department for a year long sabbatical leave from the U of Z, Petropoulos will serve as a visiting professor. He is a professor and previous chairman of the Department of Physiology at the University of Zimbabwe. He is also a former dean of the U of Z's medical school.

Originally from Athens, Greece, Petropoulos received his M.D. and his Ph.D. in experimental medicine from the University of Athens. He then received a Ph.D. in endocrinology from the University of California at San Francisco.

"I went back to Greece eager to help my country," he said.

He served as a consultant in endocrinology at the teaching hospital in Athens.

Twelve years ago he moved to Zimbabwe as professor and head of the Department of Physiology at the U of Z's School of Medicine.

"It was a great opportunity to help in developing both that department and the medical school," he said. "The school has experienced tremendous growth over the last 12 years. My department has grown from three academic staff members to 12, its floor space was tripled and a lot of essential equipment was acquired."

As dean, Petropoulos helped develop a new undergraduate curriculum, emphasizing primary health care and integrated teaching, which has been introduced this year.

In addition to work in Zimbabwe, he has been active in educational programs, publications and fund-raising for other southern African countries. He hopes "to acquire more experience in curriculum implementation, evaluation and faculty development" through his sabbatical.

While at MSU, Petropoulos will teach two courses (Physiology; and Primary Care in Developing Countries) and hopes to research on his "beloved" subject of maternal and fetal endocrine influences on placental growth and metabolism.

He is also a Kellogg International Fellow in Health, a program administered by the MSU College of Human Medicine.

Dean Myron S. Magen has appointed him as a member of the advisory committee for the International Institute of Health.
Harvey Sparks, chairperson of physiology, recently returned from a year long sabbatical in Zimbabwe. Sparks was visiting as a Fulbright professor in the University of Zimbabwe Medical School.

While spending some time teaching medical students at the University of Zimbabwe, Sparks also had the opportunity to conduct research on high blood pressure.

There is a high instance of hypertension in African Blacks, especially in westernized cities, Sparks explained, similar to the high rate in American Blacks.

Sparks and a collaborator, Jacob Mufunda, a U of Z medical school graduate who spent two years at MSU working on his Ph.D., looked at several factors which they believed contributed.

"We knew that salt affects Blacks more than Whites," Sparks said. "If you increase salt intake in Blacks they get more high blood pressure than when you increase salt intake in Whites. We wondered if moving into a westernized city made Blacks more sensitive to salt. We also looked at the effects of potassium."

Other factors were obesity and exercise.

"If Blacks move into a city they are changing from a very traditional lifestyle," Sparks said. "Those who work in the fields are leaner than city people tend to be."

They also considered the effects of stress.

"We studied populations in both rural and urban settings," Sparks said. "But stress is very difficult to define. It is a generally accepted feeling that urban life is more stressful than rural life."

Sparks pointed out, however, that rural life can be stressful too, although the urban populations did have a higher instance of high blood pressure.

"They cannot control the rain, for example," he said. "This a different kind of stress, though. City stress is often something you can do something about."

Sparks and Mufunda measured stress levels by behavior and by hormonal changes. Although Mufunda will be continuing this research, evidence suggests that hypertension is more of a result of genetics rather than environment.

"The objective of the linkage with the university is to help with manpower needs," Sparks said. "In the long run, Mufunda will carry out this research. The university desperately needs teachers and researchers who are Zimbabwean."

"The land grant philosophy," he added, "was what the U.S. adopted to get rural people educated about 100 years ago. Our experiences are very useful to them."

He noted, however, that Africans will have to find their own way.

Sparks noted that the health care needs of the country are very different than in the United States.

"A doctor is often the only provider within 50 miles," he said. "They have to be capable of practicing in a very broad context."

"Zimbabwe," he said, "is an emerging country. Roads, wells and health care units are being built."

"There are a lot of challenges," he said. "They have only recently obtained majority rule and they are still adjusting to that."

Sparks described race relations as good and the weather as "fantastic."

"It's a very exciting part of the world to be in," he said.
Understanding midwives in Zimbabwe

"As the world gets smaller, we need to know more about the rest of the world because it affects us so much," said Barbara Sparks, assistant professor of osteopathic medicine in the Department of Osteopathic Medicine, who spent the past year in Zimbabwe. Contracted with the University of Zimbabwe's Department of Obstetrics and Gynaecology, Sparks did mainly research.

Her project involved comparing traditional rural midwives and urban midwives. About 50% of all births in Zimbabwe are handled by midwives, she said.

Working with an interpreter who spoke the native language, Shona, Sparks met with midwives in their homes and villages. Some of the midwives walked as far as 10 kilometers to meet her, she said. "These women were very brave, working in mud huts without electricity, and they are also dedicated," she said. They are advocates of health for everyone. They are also quite intelligent."

The Ministry of Health in Zimbabwe had helped the U of Z initiate the project. Several years ago, the ministry had given courses in the rural areas to try to upgrade the traditional birth attendants' skills.

"In the urban areas there were more clinics, so they felt that they didn't need midwives there," Sparks explained. "However, there are still midwives in those areas."

Among the differences in practice between the two areas, Sparks found that the urban midwives were more willing to intervene, perhaps conducting a vaginal delivery on a woman who had had a caesarean birth previously.

"They have a different viewpoint because of their proximity to the clinics," she said. "In the rural areas they are much more hesitant to take on a difficult case. The clinics were far away and the only transportation was often by bus or even ox cart."

Unique to the urban areas was that some of the midwives were traditional healers, called Nyanga. They believed they worked through ancestors' spirits, Sparks said.

"In one case, in a suburb of Harare, a Nyanga had women coming to her in droves," she said. "She used a lot of traditional herbs and she worked in a hut with no water or electricity."

As the clinics have increased in Zimbabwe, Sparks noted, the midwives have become less important in their rural communities. Midwives enjoy a certain status which allows them to instruct parents about care after the birth.

"This decreases as the number of deliveries decrease," she said. "Midwives do not charge for their services, Sparks said. "The family offers to pay what they can, but I didn't talk to any midwife who had turned down someone who couldn't pay."

Throughout her travels across the country, Sparks noted that Zambians were "cordial, kind and hospitable."

"If something would have happened with our car, I'm sure I could have gone to a village for help," she said. "I felt very safe, even on our ventures into the bush."

In retrospect of her work in Zimbabwe, Sparks noted that "it is very important that we learn about how a developing country establishes health care and how we can help train them."

In Sudan

"We have survived a coup, a civil war, a famine, plus numerous squabbles and student riots--things which have shut down almost every other American institution there," James Jensen, professor of microbiology and public health, said.

More people suffer and die from tropical, parasitic diseases than all other diseases combined. To help reduce this toll, an interdisciplinary team of researchers from MSU undertook a project, now in its ninth year, in the Democratic Republic of the Sudan.

Funded by the National Institute of Allergy and Infectious Diseases as well as several private foundations and the World Health Organization, they study malaria, schistosomiasis, onchocerciasis and leishmaniasis.

The project coordinates faculty members from each of MSU's medical schools and includes experts from other American universities as well as Sudanese researchers. There is also a constant flow of graduate and postdoctoral students. Jeffrey F. Williams, professor of microbiology and public health, is the codirector of the project, along with the director-general of the Ministry of Health, Central Laboratories for Public Health and Medical Research in Sudan, James B. Jensen, professor of microbiology and public health, is in charge of the malaria research. James Bennett, professor of pharmacology and toxicology, coordinates the schistosomiasis research.

The project's objective is not to provide short term solutions or to solve applied research problems, Jensen explained, but to develop a program of investigation directed at basic characteristics of the biology of water -borne and anthropod-borne diseases. Over 100 scientific reports have been generated as a result of the project.

In Sudan, a sophisticated laboratory has been developed in Khartoum, the capital city.
A classical study in Malawi

The lure of a career in international health was strong, said Terrie Taylor, assistant professor of community health science, after her first taste of international life and work in Africa.

Spending a year working on the Sudan project was a pivotal event in Terrie E. Taylor's career and one born of indecision, she says. "I told myself I now have a saleable skill. Why not buy some time and see some of the world?" she said. "I thought a work experience in developing countries would be ideal."

She soon found herself in Dean Myron S. Magen's office and was asked to join the MSU/National Institute of Health Sudan Medical Parasitology Research Project for one year. Taylor recalls she was quick to tell the dean that her interest was merely a "lark" and she wasn't planning on a career in international health.

"About half-way through the year, I thought I would like to continue this," she said. "The challenges of practicing medicine in developing countries were very appealing."

Supported by MSU-COM she then completed an internal medicine residency at Detroit Osteopathic Hospital, and then spent a year training at the Liverpool School of Tropical Medicine. A faculty member there introduced her to a malaria research opportunity in Malawi. The rub was she needed to be in Malawi seven months of the year.

MSU-COM has allowed her to do this. Now an assistant professor of community health science, Taylor spends only fall terms on the MSU campus.

"It is a privilege to be free to work for six to eight months in Malawi," she said. "The opportunities for clinical tropical research are tremendous."

Working in collaboration with Dr. Malcolm Molyneux, the Malawi Malaria research project has received grants from numerous sources, including the National Institutes of Health and the Burroughs-Wellcome Fund. The investigators are also supported by both MSU-COM and the Liverpool School of Tropical Medicine, where Molyneux is a faculty member.

Taylor describes her research, which started in the fall of 1986 as a classical study.

Taylor and her research collaborator, Dr. Malcolm Molyneux of the Liverpool School of Tropical Medicine, have been researching malaria in Malawi since the fall of 1986.

One way to observe the effects of malaria on children is by asking them to perform the "take this cup test" Taylor said.
"Since we are addressing a problem that seems very real to Malawians and we spend a substantial period of time taking care of patients there, we are not perceived as scientists who just want to rush in and then rush out with the data," Taylor said. "It is definitely a strength of our project."

A typical Malawian ambulance

of a disease.

"Despite the fact that at least one million children under the age of five die of malaria each year in sub-Saharan Africa, little is known about the natural history of the disease," she said. "Systematic, detailed observations will make a significant contribution toward elucidating the pathophysiology and toward providing a framework for future clinical trials of new treatments."

Cerebral malaria is the primary concern of the project. This complication of the disease affects children and produces a syndrome of convulsions and/or coma. Although quinine has been proven an effective treatment, Taylor said, the dosage schedule for children hasn't been investigated.

"We also hope to evaluate a new form of therapy," she said, "but a lot of preliminary work is required before immune globulin can be evaluated as an adjunct treatment for cerebral malaria."

Starting in January, two students will join Taylor in Malawi for clerkships. The Queen Elizabeth Central Hospital, a 900-bed teaching hospital, would be their base, Taylor explained.

"It (Malawi) is an excellent site for an elective in a developing country," she said. "English is spoken by most doctors on staff and I will be there to supplement the bedside teaching and to help out when necessary."

As a long term goal, Taylor and Molyneux hope to establish a research base so faculty from MSU-COM and the Liverpool School can visit for short periods of time.

"Malawi is a very friendly country and is at present politically stable," Taylor said.

Malawi's political leader, the life president, Dr. Hastings Kamuzu Banda, is one of the few remaining pre-independence leaders in Africa. One London journalist noted in the Guardian newspaper:

"For the last decade who or what follows Dr. Banda has been the only important question about a country he has made a byword for autocratic stability. Finding an answer gets more urgent every time he celebrates a birthday, but no easier."

Taylor intends to spend at least two more years in Malawi.

"Since we are addressing a problem that seems very real to Malawians and we spend a substantial period of time taking care of patients there, we are not perceived as scientists who just want to rush in and then rush out with the data," she said. "It is definitely a strength of our project."

This December, Taylor will present the initial findings of the first year at the American Society of Tropical Medicine and Hygiene in Los Angeles, California.
MSU-COM welcomes new faculty

In the Department of Pharmacology and Toxicology:

Keith J. Lookingland has been appointed an assistant professor in the Department of Pharmacology and Toxicology. Lookingland was a part-time instructor at Lansing Community College since 1983 and a research associate in the department since 1982.

Lookingland attended Essex Community College, received a B.S. from Towson State College, was an M.S. candidate at Towson State University, and obtained a Ph.D. from the University of Maryland, all in Baltimore, Maryland. He also had a postdoctoral research fellowship at the University of Maryland.

He has been the recipient of several grants and has had numerous publications and presentations.

In research, he is interested in the interaction of hypothalamic catecholaminergic systems with peptidergic and serotoninergic neurons in neuroendocrine regulation of pituitary hormone secretion.

In the Department of Biomechanics:

Frank W. George, II, is a new resident in biomchanics. George obtained his B.S. from the University of Michigan and his D.O. from the Chicago College of Osteopathic Medicine. He did an internship at Riverside Osteopathic Hospital in Trenton. George is originally from Dayton, Ohio.

He spent the last three years as a flight surgeon at the United States Air Force hospital, in Goldsboro, North Carolina.

George belongs to several professional organizations, including the Aerospace Medical Association, the American Running and Fitness Association and the Cranial Academy. His areas of interest include enhancing athletic performance in training and rehabilitation; and temporal-mandibular balance/unbalance and its effects on the spine.

In the Department of Internal Medicine:

Ronald F. Maio, a new assistant professor in the Department of Internal Medicine, has been teaching at MSU since 1981. He continues to serve as a resident clinical instructor for MSU-COM and MSU College of Human Medicine and a clinical instructor for MSU-CHM. He has been a clinical professor of emergency medicine for MSU-CHM since 1985. Maio also serves as an emergency room staff physician at St. Lawrence Hospital in Lansing.

Maio got his B.S. degree in chemistry from Regis College in Denver, Colorado. He graduated from MSU-COM in 1976 and did an emergency medicine residency with MSU affiliated hospitals. He has done graduate studies in the School of Public Health/Department of Biostatistics at the University of Michigan.

Maio spent time in India and Pakistan to experience primary care clinics and he also worked in Nicaragua through a University of Wisconsin medical program.

He has done numerous lecture presentations. His research areas include prehospital care and alternative drug and fluid administration methods.

Roger M. Morrell, a neurologist and a former faculty member at Wayne State University, was appointed as a professor in the Department of Internal Medicine. Morrell also has a part-time private practice in Southfield, Taylor and Ann Arbor. Morrell obtained his B.S. from Haverford College in Haverford, Pennsylvania. He received an M.D. from the George Washington University School of Medicine, and a Ph.D. in cellular and molecular biology from the University of Miami. Morrell has been honored with numerous awards, including the director's commendation at the Veteran's Administration Medical Center in Allen Park, for outstanding performance as acting associate chief of staff for research and development. He also received the Chief Medical Director's Commendation from the V.A. Central Office in Washington, D.C. for an international project on Alzheimer's disease/senile dementia.

Morrell's publications number over 200 and he is active in many professional societies.

In Rehabilitation Medicine:

David N. Grimshaw, a 1986 graduate of MSU-COM, is a new resident in rehabilitation medicine. While a medical student, Grimshaw served as a graduate assistant in the Department of Biomechanics for the Educational Council on Osteopathic Principles. He also served as president of the Undergraduate American Academy of Osteopathy. He completed a rotating internship at Lansing General Hospital this past year.

Grimshaw received a B.S. degree in environmental studies and chemistry from Butler University in Indianapolis, Indiana. He worked part-time as an EKG technician at Westview Osteopathic Medical Hospital while there.
Grimshaw has been a member of the Lansing General Medical Education Committee as well as a member of the Cranial Academy. He has been the recipient of numerous awards and honors including a national academic scholarship for leadership.

Margaret J. Fankhauser has joined the Division of Rehabilitation Medicine as an assistant professor. She served as a clinical assistant professor at Ohio State University in the Department of Medicine and Rehabilitation and as courtesy faculty at the Ohio University College of Osteopathic Medicine. Fankhauser has had practices in pediatrics and physical medicine and rehabilitation.

She obtained her D.O. degree from Ohio University. She holds a B.A. degree from Wilmington College in the history of government and did pre-medical study at Ohio State University. She completed an internship at Grandview Hospital in Dayton, Ohio. She has also completed residencies in both pediatrics and physical medicine and rehabilitation. She is board certified in both areas.

Fankhauser has completed written research on "Theophylline - A Case Study," and "Head - turning in Management of Pulmonary Interstitial Emphysema."

In the Department of Family Medicine:

John F. Greene, a 1986 MSU-COM graduate, has also taken courses in business administration at Aquinas College in Grand Rapids. He obtained a B.S. in fisheries and wildlife from MSU. As an undergraduate he also did work in chemistry and biology at Central Michigan University where he was a member of the Honor Science Association. While at MSU-COM, Greene served as President of Sigma Sigma Phi and was involved in local health fair projects and in organizing high school physicals and question and answer panels. Greene plans on pursuing a master's in medical education during his residency training. His future plans include family practice and involvement with medical education.

Pamela A. Thompson is a 1986 alumna of MSU-COM. She was chairperson of Fee Follies as a medical student and was involved in the Student Osteopathic Medical Association, health fairs and the elementary education and senior citizen's exercise programs. Thompson completed her internship at Riverside Osteopathic Hospital, where she was chief intern. She obtained her B.S. in chemistry from Lake Superior State College in Sault Ste. Marie.

Her long range career goal is to open a family practice clinic in rural northern Michigan. She has a strong interest in sports medicine and plans on doing a fellowship in this area during her residency.

Holly J. Kabakovitch obtained her D.O. degree from MSU-COM in 1986. While in medical school she served as an Admissions Committee Representative and secretary to Sigma Sigma Phi as well as to the Student Osteopathic Medical Association. Her B.S. in biology and psychology was awarded in 1981 from Loyola University, Chicago, where she graduated cum laude. She has also taken graduate courses in psychopharmacy and psychophysiology at Loyola. She completed her internship at Oakland General Hospital.

Kabakovitch has interests in family practice, the study of family dynamics and academic medicine. She is pursuing a master's degree in medical education during her residency. Upon completion of her training she hopes to teach in a hospital or clinic setting and to conduct clinical research in mid-Michigan.

T. Reid Kavieff has entered the residency program after 1 1/2 years as an associate in the service of osteopathic medicine, Doctors Hospital, Columbus, Ohio. He has a B.S. in zoology from MSU and graduated from MSU-COM in 1984. During medical school he was a member of the Dean's Select Committee on Curriculum Review, co-founder and national representative of the Undergraduate American Academy of Osteopathy, and recipient of the 1984 Fred L. Mitchell, Sr. Award. He completed his internship at Riverside Osteopathic Hospital.

Kavieff's interests include academic medicine, research aimed at validating osteopathic principles and the study of acupuncture as a treatment for pain and motion disorders. His career plans include involvement in ambulatory based general practice with emphasis on OMT and sports medicine.
In the Department of Psychiatry:

Albert S. Aniskiewicz was a professor of psychology at MSU since 1975. He now holds professor positions in the Departments of Psychiatry and Radiology. He also was a professor at the MSU Counseling Center since 1973.

Aniskiewicz is a graduate of Rutgers University with a B.A. in psychology. He obtained his M.S. and Ph.D. degrees in clinical psychology, both at Purdue University. He completed a clinical psychology internship at Duke University Medical Center.

He has authored several scientific papers. His current research interests include schizophrenia; clinical and neuroradiologic findings and eating disorders; clinical and radiological evidence of CNS involvement.

Liu will also serve as the service chief for the psychotherapy module in the psychiatry clinics and as a co-coordinator of the behavioral seminar for the Department of Pediatrics.

Liu received his B.S. in zoology from the University of Michigan and a M.A. in communications from Wheaton College. While a student at MSU-COM, he participated in the migrant clinic for two summers. He also spent six weeks studying hematology and cardiology in the People's Republic of China in 1981.

His training includes an internship at Detroit Osteopathic Hospital and a general psychiatry residency at MSU. He had a three-week elective in child psychiatry at the Taiwan National University and a one-month elective in general psychiatry at Kaohsiung Medical College, in Taiwan. He was honored with an American Psychiatric National Institute of Mental Health minority fellowship from 1984-86. Liu spent the last two years at the Medical College of Ohio in Toledo as a child psychiatry fellow.

In the Department of Biochemistry:

Zachary Frome Burton has joined the Department of Biochemistry as an assistant professor. Burton holds Ph.D. and B.S. degrees from the University of California at Los Angeles in biochemistry. He did postdoctoral work at the McArde Laboratory for Cancer Research at the University of Wisconsin in Madison.

He also did postgraduate work at the Charles H. Best Laboratory at the University of Toronto, where he was a special fellow of the Leukemia Society of America.

Burton's research interest involves the study of the mechanism and regulation of transcription mammalian class II genes.

He has been one of the authors of 12 publications on related topics.

In the Department of Osteopathic Medicine:

Lawrence W. Mysliwiec is a new associate professor in the Department of Osteopathic Medicine in the orthopedics division. He formerly served as an associate professor of orthopedic surgery at Ohio University in Athens.

A 1975 graduate of MSU-COM, Mysliwiec was the class president for three years, student council president for one year and was the class valedictorian.

He obtained a B.A. degree from Sacred Heart Seminary in Detroit and did postgraduate work in chemistry and zoology at Northeast Missouri State University. He did his internship at Detroit Osteopathic Hospital.

Mysliwiec has also had three residencies: in orthopedic surgery at the Doctors Hospital in Columbus, Ohio, in pediatric orthopedics at the Shriners Hospital in Spokane, Washington, and in orthopedic pathology at Georgetown University in Washington, D.C. He had a fellowship at the University of Minnesota where he also served as an assistant clinical professor of orthopedics.
In the Department of Pediatrics:

Colleen M. Vallad-Hix is a new resident. She received her B.S. degree from MSU and her D.O. from Kirksville College in 1985. She did her internship at the Kirksville Osteopathic Medical Center. Vallad-Hix is originally from Michigan. She has been in professional practice in the emergency room of Moberly Regional Medical Center in Jefferson, Missouri, since her internship.

Vallad-Hix is interested in a general pediatrics practice. She has also considered subspecialties in genetics or immunology.

Michele Ann Mirch has joined the Department of Pediatrics as a resident. She received her B.S. in chemistry from John Carroll University and her D.O. from the University of Osteopathic Medicine and Health Sciences in Des Moines in 1986. She did her internship at Parkview Hospital in Toledo.

Mirch hopes to practice general pediatrics in a rural or suburban community as a member of a pediatric or multispecialty group. She also hopes to be able to teach pediatrics.

Mirch is originally from Ohio.

John Murphy Peters has joined the Department of Pediatrics as an assistant professor. He graduated from MSU-COM in 1981, after receiving his B.S. degree in physiology from MSU. Peters completed an internship at Detroit Osteopathic/Bi-County Community Hospitals.

He has had two residencies in pediatrics, the first with MSU-COM Department of Osteopathic Medicine and the second with Children's Hospital of Michigan.

Peters has had several publications and presentations and belongs to several professional organizations. He is a junior fellow of the American Academy of Pediatrics.

He has been the recipient of many awards including an MSU-COM Alumni Association Award for excellence as a resident physician. He was selected as an "Outstanding Young Man of America" by the United States Jaycees in 1984.

Maria Signs, a 1983 graduate of MSU-COM, is a new assistant professor of pediatrics. Signs received her B.S. degree from MSU in microbiology and did graduate study in immunology, microbiology and parasitology also at MSU.

Signs completed her internship at Traverse City Osteopathic Hospital. She did a residency with the MSU-COM Department of Pediatrics.

Signs has had experience as a teaching assistant at MSU. She also served as a laboratory technician and research assistant, for Jeffrey Williams, professor of microbiology and public health.

She has been in a general pediatrics private practice associated with K. Murphy, D.O., in Flint.

Linkages continued from 4

Chiphangwi would also like to send students for training at MSU in basic medical sciences at the Ph.D. level and would like to host visiting MSU professors who could assist in starting departments.

"One of the possibilities," Magen said, "is Fulbrights for Malawi in the medical sciences."

The Malawi agenda also included meetings with the British Leprosy Relief Association which has had a very successful control program, they reported. In the central region of the country LEPRO hopes that within five years their services will no longer be needed.

The Malawi visit also afforded a look at the malaria research program led by Terrie E. Taylor, professor of community health science. Her work is in collaboration with Dr. Malcolm Molyneux of the Liverpool School of Tropical Medicine. She is supported by MSU-COM. (For more see page s 8-9 of this issue.)

The group went on to visit Cape Town, South Africa. They concluded their trip near Johannesburg, after they visited Baragwanath Hospital, in the Black Township of Soweto. With just under 3,000 beds, Baragwanath is one of the largest hospitals in the world.

Hunter noted that the "rich rewards of cross-cultural research and service are not sufficiently well recognized in the MSU medical community."

"Information on opportunities and challenges need to be more vigorously disseminated," he said.
Class of 1989 - Base Hospital Assignments

Botsford General Hospital
Eric G. Becker
Thomas H. Bonino, Jr.
Darryl Cohen
Kevin T. Crawford
Lawrence Arthur Dunlop
Phillip S. Eisenberg
Joel S. Greenberg
Charles Hernandez
Thomas P. Kane
Celia C. Maneri
Felino Pascual, V
Lester Perkowski
William R. Raminick
Elizabeth M. Reszel
John A. Sauchak
Robert E. Tubben

Lansing General Hospital
Laurey R. Hanselman
Hazel E. Jackson
Kimberly D. Kaiser
Allan L. Kennedy
Sucheta S. Kulkarni
Michael R. McNamara
Pamela D. Moore
Terry F. Nowak
Richard A. Shellengerer
Jeffery M. Wilseck
Carol Vorenkamp

Detroit Osteopathic Hospital/Bi-County Community Hospital
Arleigh Ancheta
Darnita Anderson
Keith A. Bellovich
Steven L. Bezique
Orlando Burt
Joseph Dougherty
C. Ricardo Estrada
Richard B. Gargulinski
Gayle L. Gorman
Nancy K. Juopperi
Cindy Lukasiewicz-Cooper
Allen F. May
Kay E. McMillan
Joseph T. Naughton
Ricardo E. Novoa
Michael D. Papenfuse
Diane L. Race
Clarence C. Rayos
Reginald D. Sharpe
Roy Small
Debra A. Smith
Theophilus Ulinfun
Srikala Yedavally

Mount Clemens General Hospital
Michele M. Blair
Charles C. Liang
Giuseppina Lombardo
Ronald L. Meisel
Deborah L. Richmond
Kristina M. Tervo
Geron D. Turke
Michael C. Vredenburg

Oakland General Hospital
Rebecca L. Brundige
Leslee A. Emerson
Nancy E. Resnick
Jeffrey M. Sage
Marsha B. Wayne

Pontiac Osteopathic Hospital
William E. McDougall
Suzanne C. Moffit
Antonio H. Nucum, Jr.
Franklin J. Rosenblat
Emma Wang
Michelle B. Zucker

Riverside Osteopathic Hospital
David J. Alvarez
Susan E. Grasby
Ray Horwitz
Amy L. Moore
William K. Riordan
Pamela G. Rockwell
Marilyn Schneider
Kurt D. Spriggs
Kirsten Waarala

Michigan Osteopathic Medical Center
Theresa M. Bartos
John Dew
Howard K. Fertel
Anne T. Hollingsworth
Hardik M. Shah

Flint Osteopathic Hospital
Byron L. Bururr
John M. Commet
Julia I. Frei
Mark L. Griswold
Robert J. Guerrero

Traverse City Osteopathic Hospital
Mitzi C. Amelon
Rachel L. Johnson
Daniel E. Kahler
Ron Melvin
Kathleen Skeley
David C. White
Lou Anne Alexander has joined the Department of Osteopathic Medicine as a secretary in the Division of Obstetrics and Gynecology. Alexander was formerly employed in the Department of Pediatrics.

Harold E. Bowman, associate chairperson and professor of pathology, was appointed as the AMA representative to the Residency Review Committee for Pathology beginning this January. The committee helps maintain quality medical school education in pathology.

Peter Gulick, assistant professor of internal medicine, has been appointed to an eight-member AIDS Advisory Committee. The committee will provide services to all Ingham County residents.

Carol Klein is a new member of the billing office staff. She was previously employed at Advanced Obstetrics and Gynecology in Lansing.

Sonia Ladwig has joined the Department of Psychiatry as secretary to Donald H. Williams, chairperson.

George W. Russian, assistant professor of osteopathic medicine, and his wife Becky are the parents of a baby girl. Elizabeth Autumn was born on October 21 and weighed 7 pounds, 11 ounces.

Judy Weber is a new member of the billing office staff. She was previously employed at Lansing General Hospital.

Martin Wedgell, assistant clinical professor of internal medicine, has been installed as president of the American Osteopathic College of Allergy and Immunology for a term.

Donald H. Williams, chairperson of psychiatry, presented "The Prevalence of Mental Disorder in Michigan Prisons" at the 115th annual meeting of the American Public Health Association held in New Orleans on October 21.

The new officers for this year's MSU-COM Student Council were elected at a recent October meeting. They are: Jay Hoffman, president; Kathy Keller, vice president; Shawn Kidder, secretary; May Eileen Bue, treasurer.

The MSU-COM division of the Undergraduate American Academy of Osteopathy elected new officers at the meeting on October 23. Those elected include: Kelley Burnett, president; Mary Jane Chiasson, vice president; Michelle Cervin, treasurer; Kay McLaughlin and Wayne Smith, manipulative skills coordinators; Margaret Jenner, tutorial coordinator; Rick Kowar, book coordinator; Dan Clark, national representative; Paula Berlin, sales coordinator.

Attention alumni, students, and faculty: Please send suggestions and news items to Communiqué, Office of Health Information, A-310 E. Fee Hall, MSU-COM, East Lansing, MI 48824-1316, or call us at (517) 355-9261.

Communique is published monthly by this office. Editor is Lois Furry. Circulation manager is Beth Wakulsky.

Happy Holidays to all "Communique" readers!
Calendar of events

For more information or to register for any of these courses contact the Office of Continuing Medical Education, A306 East Fee Hall, MSU-COM, East Lansing, MI 48824-1316. Or call (517) 353-9714.

January 30-February 3
Tutorial on Level I Craniosacral Techniques
Sponsored by MSU-COM, this tutorial will be held in Tucson, Arizona, at the Tucson Hilton East. The course objectives include understanding the primary respiratory mechanism and its potential dysfunctions, understanding the interrelationship between the primary and secondary respiratory mechanisms, applying the palpatory skills to craniosacral mechanics and applying the principles of manipulative management to craniosacral dysfunction. 40 hours of Category I credit. Cost is $600 or $300 for physicians-in-training.

March 7-8
Tutorial on Level I Muscle Energy Technique
Designed to expand upon previous training in manual medicine in the area of use of muscle contraction as an activating force, this tutorial will be held at the Tucson Hilton East in Tucson, Arizona. Concepts of muscle contraction will be taught and utilized in the treatment of the vertebral column and the bony pelvis. The structural diagnostic system will be expanded in dysfunctions of the vertebral column and bony pelvis. 40 hours of Category I credit. Sponsored by MSU-COM and MSU College of Human Medicine, cost is $600 or $300 for physicians-in-training.

March 19-26
Seminar in the Sun
The MSU-COM Alumni Association is sponsoring a seminar in Puerto Vallarta, one of Mexico's most famous and luxurious coastal resorts. 20 hours of AOA Category I credit will be provided in a continuing medical education program. The course content is dependent on availability of speakers unconfirmed at the time of this printing. The seminar cost is $300 for members of the Alumni Association and $350 for non-members.

MSU-COM is proud to send their team to the Rose Bowl.

Go Spartans!