



Volume 37, Number 4  
August 14, 1990

# FOCUS EMU

Produced by  
Public Information  
and Publications



**'ICE AGE' HITS EMU** — EMU received a \$165,000 check from Detroit Edison Co. officials Aug. 9 at the Radisson Resort as the first installment of a \$500,000 contribution from Edison for an experimental ice-storage air conditioning system on the EMU campus. From left, James H. Tuttle, Edison's assistant vice president and manager of major accounts, and EMU President William Shelton chip away at an ice block holding the ceremonial check as EMU Business and Finance Vice President Janet Pichette looks on.

## Edison gives EMU a 'chilly' contribution

EMU moved one step closer to the "Ice Age" Aug. 9 when it accepted its first installment of a \$500,000 contribution from Detroit Edison Co. for an experimental ice-storage air conditioning system to be built on campus.

The project, which has a total estimated budget of close to \$700,000, involves the design, installation and operation of an air conditioning system which uses energy purchased at night to create and store ice for cooling systems operation during the day. By using electricity in the middle of the night, the University will save approximately \$30,000 annually in energy costs because midnight usage rates are considerably lower than those offered during the peak daytime hours. Long-range operating costs of the system also are expected to be lower than traditional air-conditioning systems.

In addition, Detroit Edison reports that shifting the generation of electricity from peak daytime hours to nighttime reduces the need for Detroit Edison to build additional power plants.

According to EMU's Principal Plant Engineer Glen Bolling, the mechanical workings of the system

will be housed in EMU's McKenny Union, with underground ice storage tanks buried just west of the building. Underground lines will run from McKenny to just outside Sherzer Hall and connect within the University's existing tunnel system from there. It's expected that five campus buildings, McKenny Union and Briggs, Sherzer, Welch and Ford halls, will benefit from the air-conditioning project, Bolling said.

The project grant is part of Detroit Edison's energy conservation efforts. Edison will fund two major "showcase" experimental ice-storage air conditioning projects, EMU's and one in the manufacturing sector, although the EMU system is the only one that will cool more than one building. The company also plans to fund, on a smaller scale, approximately 10 similar ice and cold water storage cooling systems.

Money for the project is being derived from revenues raised from the energy conservation surcharges assessed every Detroit Edison customer. Those charges are billed at a rate of one-tenth of a cent per every kilowatt of energy used.

Continued on page 4

## Campus Capsules — EMU reaccreditation by NCA is not a 'rubber stamp' process

### Aug. 22 Board of Regents Meeting Is Canceled

Because a special meeting of the EMU Board of Regents was called for today (Aug. 14, 10 a.m., 201 Welch Hall), the regular board and committee meetings scheduled for Aug. 22 have been canceled.

The special meeting was called primarily to determine 1990-91 tuition rates and allow students enough time to plan for those expenditures before the 1990 fall semester begins.

It has not been determined yet if the board will hold a regular meeting in September.

For more information, call the board office at 7-2211.

### Calendar Information Must Be Received By Aug. 15

As the University gears up for the 1990 fall semester, many departments will be planning campus activities and events in September for which they would like publicity.

If you have an event (lecture, concert, movie, etc.) planned for September and would like it included in the University calendar and the Events of the Week section in Focus EMU, the Public Information Office must receive notification of the event no later than Wednesday, Aug. 15.

Following that, all material for inclusion in the University's monthly calendar must be received by the 15th of the month prior to the month the event will take place.

Send all calendar submissions to: Public Information Office, 18 Welch Hall.

Please direct any questions to Debra McLean or Susan Bairley at 7-4400

### Post Registration Begins Aug. 20

Post registration for the 1990 fall semester will begin Monday, Aug. 20. Students who did not register during the drop-off/mail period will register at that time.

Students who registered early but did not pay 50 percent of their tuition by July 23 may have had their registrations canceled. Any canceled classes are expected to become available to students during the post-registration period.

Students who register during post registration will be required to pay 50 percent of tuition and all fees, unless proof of adequate financial aid can be demonstrated at the time of registration.

### University Library Posts End-of-session Hours

The University Library has posted the following special hours for the end of the summer session and the period in between summer and fall 1990.

Thursday and Friday, Aug. 16-17, 8 a.m. to 5 p.m.  
Saturday and Sunday, Aug. 18-19, closed all day.  
Monday, Aug. 20, through Friday, Aug. 24, 8 a.m. to 5 p.m.  
Saturday and Sunday, Aug. 25-26, closed all day.  
Monday through Friday, Aug. 27-31, 8 a.m. to 5 p.m.  
Saturday through Monday, Sept. 1-3, closed all day.  
Tuesday, Sept. 4, 8 a.m. to 5 p.m.  
The Library will resume its regular hours Wednesday, Sept. 5, the first day of classes

By Debra McLean

Every 10 years, officials at EMU, like those at most other universities, are required to put the university under a microscope and document the status of virtually every aspect of the institution, from its financial picture to the mission itself.

The process, known by most as the "NCA self-study," results in a lengthy report submitted to the North Central Association of Colleges and Schools for reaccreditation of the University.

The NCA is a voluntary association of colleges and schools that, through its accreditation process, seeks to regulate and ensure quality while still respecting the diversity and autonomy of our nation's universities. While academic programs within a university frequently seek accreditation from their own accrediting agencies, the extraordinarily influential NCA accreditation amounts to a universally recognized stamp of approval for the university as a whole.

Universities seeking accreditation or reaccreditation have to essentially "prove" themselves in four major areas, according to George McCloud, coordinator of EMU's NCA self-study who also oversaw the University's 1980 study.

The criteria NCA has established are: 1) The institution has clear and publicly stated purposes consistent with its mission and appropriate to postsecondary education; 2) it has effectively organized adequate human, financial and physical re-

sources into educational and other programs to accomplish its purposes; 3) the institution is accomplishing its purposes; and 4) the

**"(NCA reaccreditation is) something that everybody at the institution should take very seriously. The other (college or program) accreditations are important, but they're voluntary. This one is not voluntary to the extent that if you don't have NCA accreditation your students aren't eligible for financial aid, they can't transfer to other schools and they can't get into graduate school. It's very important."**

—Donald Bennion  
Associate Vice President  
Academic Affairs

institution can continue to accomplish its purposes.

"They begin with a look backward and end up with a look forward," said McCloud, adding that the specific areas NCA always ex-

plore are a university's mission, finances, public disclosure and programs.

Although it's done with little fanfare, NCA accreditation really means the difference between life and death for a university, McCloud said.

"The most extraordinary thing that NCA can do is to remove accreditation; that's like capital punishment," he said. "If the accreditation is lost it means that all the graduates of that school would not get into graduate school, their degrees would not be valued by employers and no federal dollar would make its way into that institution. That is not done, however, with any frequency any more than capital punishment is."

Because that seldom happens, McCloud added, NCA reaccreditation has come to be regarded by some as a "rubber stamp" process, which he strongly disputes.

"There are other actions that can be taken that are not as extreme or public, so there can be a mistaken assumption that we just have to do this every 10 years and it doesn't mean anything," he said. "Universities can be told what needs work and (NCA) monitors that with timelines... the university loses its self-determination at that point. Schools also can be put on a probationary warning that says their accreditation is in jeopardy and then the school can lose its reputation in the academic community."

Continued on page 2

## Jones creates more water tower items

EMU's Sandie Jones, administrative associate in the Physical Plant, wrote a children's book a couple of years ago about Errington the mouse who lives in Ypsilanti's landmark water tower.

She paid to have it printed, but didn't sell many copies at first. Then the book got a little publicity and now more than 400 children have read the tale of Errington and his mouse pals.

Now, Jones has developed a line of water tower mouse merchandise which she'll sell, along with the book, from her own booth at the Ypsilanti Heritage Festival Aug. 17-19. All the proceeds from Jones's \$5 book have gone to the Ypsilanti Historical Society as will the proceeds from her newest merchandise.

"I am not a member of the (historical society committee), but I am so impressed by its work," Jones said. "I think we have the nicest historic district. They really have a dedication to preserve everything."

In addition to the book, the items available will include a coloring book (illustrated by Jones).

Christmas cards, hats, pins, ornaments, magnets and, of course, stuffed mice. She'll also be selling Ypsilanti Historical Society merchandise that celebrates the water tower.

A fan of the water tower since she came to EMU as a student more than 30 years ago, Jones wrote "Water Tower Mouse" not just to entertain, but also to tell the history of the tower.

Her husband, Bruce, is director of the Ypsilanti Community Utilities Authority, curator of the water tower, which hosts tours each summer. A frequent tour participant, Sandie Jones noticed that the same questions pop out of children's mouths over and over: "How many steps are there? Does anyone drink this water? Does anyone live here?" Her book answers all those questions and more.

Jones also reports that the on-going renovation work taking place atop the water tower is slated for completion in time for a public open house there Saturday, Aug. 18, from 1 to 5 p.m. during the Heritage Festival.

## 26 new faculty members named

The Board of Regents, at its June 27 meeting, approved the appointments of 26 new faculty members in 15 academic departments.

**Dr. Cheryl M. Cassidy**, assistant professor of English language and literature, earned bachelor's and master's degrees from Wayne State University and a doctorate from the University of Michigan. She worked at Henry Ford Community College from 1982 to 1984 and at U-M since 1984.

**Dr. Jan Collins-Eaglin**, assistant professor of teacher education, earned a bachelor's degree from California State University—Dominguez Hills and master's and doctoral degrees from the University of Michigan. She worked at U-M from 1980 to 1983 and has been employed at EMU since 1983, first as a lecturer, then mental health counselor and most recently, as coordinator in EMU's Equity Programs Office.

**Dr. Elaine Dunlap**, assistant professor of English language and literature, holds a bachelor's degree from Colorado College, a master's degree from the University of Wisconsin and a doctorate from the University of Massachusetts. She worked at the University of Massachusetts at Amherst from 1986 to 1989.

**Dr. Jamin Eisenbach**, assistant professor of biology, holds a bachelor's degree from Cornell University, and master's and doctoral degrees from the University of California at Berkeley. Eisenbach worked at U-C Berkeley, California State University at Hayward and U-C Santa Cruz.

**Dr. Alfredo G. Esposto**, assistant professor of economics, holds a bachelor's degree from Villanova University and a juris doctorate and doctorate from Temple University. He worked at Temple, Villanova and West Chester University.

**Dr. Deborah Figart**, assistant professor of economics, holds a bachelor's degree from Wheaton College and a doctorate from American University in Washington, D.C. She taught at American University from 1984 to 1988.

**Cathy Fleischer**, assistant professor of English language and literature, holds a bachelor's degree from Connecticut College, a master's degree from the University

of Virginia and is expecting to complete her doctorate at the University of Michigan this year. She worked at Cape Cod Community College, Montgomery County Public Schools and U-M.

**Dr. Dorothea French**, associate professor of special education, earned a bachelor's degree from Miami University, a master's degree from Washington University and a doctorate from Dalhousie University. She worked at California State University at Los Angeles and Atlantic Provinces Special Education Authority Resource for the Hearing Impaired.

**Dr. Alison J. Harmon**, assistant professor of teacher education, holds a bachelor's degree from Bowling Green State University, a master's degree from Kent State University and a doctorate from the University of Akron. She worked at Youngstown State University.

**Dr. William Hetrick**, associate professor and coordinator of the doctoral program in educational leadership, holds a bachelor's degree from Bowling Green State University, master's and specialist's degrees from EMU and a doctorate from Western Michigan University. He worked at EMU, the University of West Florida and University of Southern Mississippi.

**Louise Jones**, assistant professor in the Human, Environmental and Consumer Resources Department, earned an associate's degree from New River Community College, and bachelor's and master's degrees from Virginia Polytechnic Institute and State University. She worked at Miami University, Michigan State University, the University of Michigan and EMU.

**Susan Kattelus**, assistant professor of accounting, holds a bachelor's degree from Michigan State University, a master's degree from EMU and expects to earn her doctorate from MSU this year. She worked at EMU and MSU.

**Dr. Robert Kiss**, assistant professor of finance, holds a bachelor's degree from Miami University of Ohio and master's and doctoral degrees from Kent State University. He worked at KSU and Hiram College. His appointment was effective June 25.

**Dr. Robert D. Kreger**, associate professor of special education, holds bachelor's and master's degrees from EMU and a doctorate

## Reaccreditation

Continued from page 1

Associate Vice President for Academic Affairs Donald Bennion, who also is directing the self-study, agrees that the NCA reaccreditation process, while technically voluntary, can wholly determine a university's future in the academic community.

"It's something that everybody at the institution should take very seriously," he said. "The other (college or program) accreditations are important, but they're voluntary. This one is not voluntary to the extent that if you don't have NCA accreditation your students aren't eligible for financial aid, they can't transfer to other schools and they can't get into graduate school. It's very important."

EMU has held NCA accreditation since 1915, McCloud noted, and is not in danger of experiencing any punitive NCA actions. "You're talking about a scenario that's very, very rare because most universities address problems as they happen," McCloud said. "Eastern is in no danger whatsoever of ever getting into a situation like that because we take our planning seriously."

Therein lies perhaps the greatest value of an NCA selfstudy for a "healthy" university like EMU. It allows university officials to take a hard and objective look at the institution.

"The key to the self-study is that it really helps an institution identify its greatest strengths as well as those areas that need work," Bennion said. "It forces you to take a close look; it's not just a superficial view."

For a university involved in a long-range planning process, like EMU currently is, the self-study become even more valuable, added McCloud.

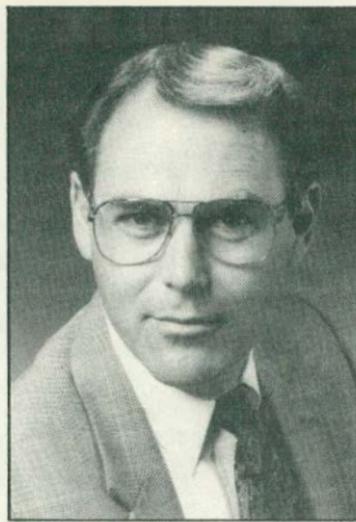
"The self-study process, a process that has had a contribution from virtually every unit of the University, combined with the first stage of the strategic planning process, has provided an excellent base of information on which to ground the next phase of strategic planning," he said. "It's a stock taking in which you examine your status and therefore prepare to get a clearer sense of what your prospects are."

"If the process works the way it's supposed to, it feeds into the future," he continued. "The president has made it quite clear that he intends to be active in forming a strategic outlook for the University and now he has a valuable base of information on which to ask new questions, set new goals and anticipate the future."

In addition to seeking the reaccreditation EMU has had for decades, the University is seeking its first-time accreditation as a doctoral-granting institution. This represents the last step in a lengthy process to offer EMU's first doctorate in educational leadership.

"It's a historical moment in the life of the institution to move to the doctoral level," McCloud said, "and they're not just here to determine if that particular department is ready to offer that particular doctorate, but whether this institution is capable of offering doctorates (in general). It theoretically paves the way to offer other doctorates, although those would have to go through (other stages of approval)."

As EMU moves to the doctoral level, the need for improvements in the University Library has emerged as a top issue the University is facing, which was reinforced by the self-study, said both Bennion and McCloud. "We realize that our library facility needs improvement and we are addressing that," Bennion said. "The key (as far as NCA is concerned) is that we've identified our problems and we're either in the process of dealing with them or we've identified plans to deal with them. As we're moving



**"The self-study process...combined with the first stage of the strategic planning process, has provided an excellent base of information on which to ground the next phase of strategic planning...If we're sensible, 10 years from now we'll be looking at having accomplished the things that this study today told us we needed to accomplish."**

**—George McCloud  
NCA Coordinator**

into the area of doctoral accreditation, we've really started looking at the Library and we are addressing three main areas: collection (with funding increases), automation and facility (the Board of Regents recently approved a Library expansion program statement for which EMU is seeking state funding)."

EMU already has received favorable attention from NCA officials regarding its self-study—because of the technology University officials used to conduct the 1990 study.

McCloud, Bennion and Kirk Nagel, a full-time lecturer assigned to facilitate the automation of Academic Affairs, gave a presentation

last March at the NCA annual convention in Chicago on EMU's efforts to conduct its self study electronically.

With this year's study done almost completely on computer, the time-consuming tasks of manually inputting individual departmental reports into one large report and proofreading every word was virtually eliminated. This year, the report essentially is being desk-top published.

"I couldn't possibly have done things 10 years ago anywhere near the way we did things this time," McCloud said. "We have used technology to our advantage and NCA thinks we have as well. The membership (at the annual meeting) was quite pleased with what they learned."

Nagel, a self-taught computer expert and 1977 EMU graduate, coordinated most of the automation efforts. "I'm like Scotty on the Enterprise," he said. "It's not exactly state-of-the-art technology, it's just what's out there right now, but as a result of this the University is getting more together on a technological level."

Though his contribution was primarily technical expertise, Nagel, as an EMU graduate, also was impressed with what the self study told him about EMU.

"The study really let me see the University in its big picture and we have so many incredibly talented people here and they have great attitudes," he said. "I think we're standing on the threshold of greatness."

The EMU self study will be delivered to NCA officials at the end of August and an eight-member NCA reaccreditation team will visit campus in October to examine in more detail what the report explains. After that, the team will write its own report and make a recommendation to the NCA Commission on Institutions of Higher Education which will act on the recommendation a short time later.

According to McCloud, however, the process will be far from over at that point. "If we're sensible, 10 years from now we'll be looking at having accomplished the things that this study today told us we needed to accomplish," he said. "We've always got to be evolving this institution."

### 1989-90 EMU Accreditation Activity

In addition to the on-going North Central Association self-study and related reaccreditation efforts, EMU was associated with 11 other accreditation bodies during the 1989-90 year.

Accreditation from the following agencies certifies that the related programs continue to maintain certain educational standards. The following activities were related to both initial accreditation and reaccreditation processes.

- The NCA self-study report is due Aug. 31 for review and an NCA team will visit EMU Sunday, Oct. 28, through Wednesday, Oct. 31.
- The College of Business received reaccreditation April 24 by the American Assembly of Collegiate Schools of Business.
- The College of Education sent preconditions documents to the National Council for Accreditation of Teacher Education May 1 and will prepare a report for that organization during the next year.
- The College of Technology received reaccreditation Oct. 17 from the National Association of Industrial Technology.
- Counseling Services was accredited in October by the Council for Accreditation of Counseling and Related Programs.
- The Human, Environmental and Consumer Resources Department hosted a site visit by the American Dietetics Association in March. That department also submitted a report to the Foundation for Interior Design Education and Research and has a site visit from that group scheduled for fall.
- The Music Department sent a progress report to the National Association of Schools of Music in April and is waiting for a response.
- The Political Science Department was visited by the National Association of Schools of Public Affairs and Administration in February and is waiting for a response.
- The Social Work Department submitted a self-study report in July to the Council on Social Work Education. A site visit is scheduled for fall 1990.
- The Special Education Department submitted its annual report to the American Speech and Hearing Association in July.

Continued on page 3

# Focus on Faculty

## EMU's 'batman' Kurta studies Michigan's urban bats

By Susan Bairley

He starts his work at dusk and ends hours before dawn. And his research materials include a hardball, fishing rod, filament, yards of mist netting and waders.

Dr. Allen Kurta, assistant professor of biology, is EMU's "batman."

Kurta recently received a \$2,975 grant from the Michigan Department of Natural Resources Non-game Wildlife Fund for a study of the bat community structure in an urban greenbelt. So this summer, he's been spending his nights along Detroit's Rouge River, netting, identifying and releasing bats. His purpose is to determine whether urban green spaces are effective in preserving the bat community in a heavily urbanized area.

Kurta earned his bachelor's and master's degrees at Michigan State University and his doctorate from Boston University. He first became interested in bats "while crawling around in caves" as an undergraduate. "I had to write a term paper on a mammal, so I picked bats," he said. Subsequently, his master's thesis was on bats of southern lower Michigan and his doctoral research focused on the Little Brown Bat.

Because of the bat's mystique, Kurta's research always arouses public interest. "Bats are nocturnal and many people don't know anything about them. They only come in contact with them in the dark, so they're fearful of them," he said.

Kurta said the media sometimes add to people's fear of bats. "The newspapers often play up bats when there's a rabid bat found. How often do you read that a rabid skunk is found? Or a rabid cow or horse? Rabid bats always get in the newspapers, although they're fairly uncommon," he said. "They're out there and they're something you have to be aware of, but chances are any bat you come in contact with doesn't have rabies."

Kurta said he's been bitten "hundreds" of times by the small creatures he studies, but that the bites and the vaccinations to protect against rabies just come with the territory. "Anybody who works with wild mammals is vaccinated, my students are vaccinated and so am I... If you are knowingly bitten by a rabid animal, there still are procedures to follow to make sure (you're not infected) but, for example, my level of antibodies is sky high so I don't really worry about it."

Although human contact with bats often is described in colorful tales of winged creatures swooping out of dusk-lit skies, narrowly

missing their intended victims. Kurta said bats really are not aggressive animals.

"They're not aggressive at all. They have no reason to come down and attack anyone. They don't come down and attack; if one does, you've got a sick bat," he said.

**"Last year, I had 67 calls regarding 'what to do' about bats. The only way you can get rid of them is to find the entrance, the hole they're using to come and go, and block that up permanently. . . don't waste your money on exterminators."**

—Kurta

"The problem is people misinterpret bats' actions. A bat swooping close to your head probably is feeding (on insects). Admittedly you may have a deranged bat out there, but there are hundreds of thousands of bats in Michigan and there aren't that many bat bites on humans per year, considering the size of the bat population."

Kurta said contact between bats and humans is most likely to occur this month because bat activity is at its peak in August. The Big Brown Bat (most common in the southern half of the Lower Peninsula) and Little Brown Bat (most common in the northern part of the state) form maternity colonies during the summer months, often in and around buildings. "They will make their homes inside the walls of buildings, in overhanging eaves, occasionally in attics and lots of times, in barns," he said.

The second most common species of lower Michigan bat, the Red Bat, is a solitary bat. This type is usually found in trees. "They'll be hanging around in a tree, just a mother and her babies," Kurta said. "not a colony of 50 females all gathered together to raise their babies (like the colonial brown bats)."

For both species types, August is the time the youngsters leave their dark, quiet homes for their first tests of freedom and migrations begin. "By far and away, this is the most active period for bat-human contact," Kurta said. "You have baby bats galore, so the population is at high levels and baby bats are 'stupid'; they fly into walls, they get lost and they don't do all sorts of things (typical of mature bats). Also, you have migrations occurring with bats starting to turn around and go back to where they live for the winter."

"You have natural movement

because of these migrations, all the stupid young ones and population levels are at their highest of the year, so most people come in contact with bats in early August," he said.

Bats are very beneficial to humans and Kurta says their consumption of insect pests alone is phenomenal. Many eat at a rate which, in one night, exceeds their body weight—some eating as many as 500 to 1,500 insects, such as mosquitoes and mayflies, per night. Still, most people who find 'bats in their bellies' treat them as unwanted inhabitants. As a result, they often choose to get rid of bats on their property using inappropriate means.

"Last year, I had 67 calls regarding 'what to do' about bats," Kurta said. "The only way you can get rid of them is to find the entrance, the hole they're using to come and go, and block that up permanently; seal it up with boards and caulking or whatever it may be. Anything else is not a permanent solution and anything else is going to cost you more money. Don't waste your money on exterminators."

Kurta said exterminators who take bat jobs won't guarantee the work and often end up spreading the only chemical licensed for bats in Michigan, although that same chemical is banned in two-thirds of the United States.

"They put this chemical up there and it causes internal bleeding in bats. It's a hideous way to die and it takes a couple of days," Kurta said. "What it does is distribute dead and dying bats throughout the neighborhood because they're slowly losing their strength. Well, when do people get bitten by bats? Usually, when they find a bat laying on the ground... so, you're increasing the chances of human beings picking them up; the bat's scared to death, it bites in defense and you have another rabid bat story."

Kurta also recommends those with bat infested structures seal the entrances no earlier than August. "Then you'll be assured that all the baby bats are flying," he said. "Baby bats will be born by the fourth of July and it takes three to five weeks for the baby bats to fly. So if you're going to seal the entrances, you wait until the bats go out at night and you block them up, maybe temporarily since it's at night, and then you come back the next day to do it permanently. Of course, it also has to be warm out and not raining (or they won't be going out)."

Through his research, Kurta will compare the urban bat population data with rural-area bat data he collected earlier over a four-year



EMU photo by Brian Forde

Although he usually wears gloves when handling his "research," Dr. Allen Kurta, assistant professor of biology and EMU's "batman," said he has been bitten hundreds of times by the small creatures he studies.

period in Michigan. "Overall, we want to find out, are we catching fewer bats, more bats, the same number of bats? And when we look at it more finely, is there a change in the species composition and how does it compare (to the rural area data)? Finally, within the species, is there a difference within a species,

such as sex or age ratios?"

To aid in this study and his continuing bat studies, Kurta asks those with information regarding the location of bat roosts in hollow trees, barns or attics, to call him. He may be reached through EMU's Biology Department at 7-1174 or 7-4242.

### FACTS ABOUT BATS

Information provided by Dr. Allen Kurta, EMU assistant professor of biology.

- Bats are mammals. They mate in September, begin hibernation in early November, and the females typically give birth to one or two young each June.
- Michigan has nine species of bats: Big Brown, Little Brown, Eastern Long-eared, Indiana, Red Bat, Hoary Bat, Silver-haired, Pipistrelle, and Evening bat. The Indiana Bat is on both the Michigan and federal lists of endangered species
- The Big Brown Bat, Michigan's most common, isn't very big at all. They typically weigh about one-half ounce and measure about two inches from nose to behind with the tail adding about another one and a half inches.
- While other bats feed on anything from fruit to frogs to blood, Michigan bats exclusively feed on insects captured in the bat's wing or tail membrane while in flight. Recapturing escapee insects explains the erratic flying patterns of bats.
- Bats are not blind. While they see quite well, they fly in the dark and use echolocation or sonar to detect objects in their flight paths.
- Bats don't fly into your hair. Because they eat only insects, they might zoom close to your head, but only because there are bugs just above it.
- Most bat bites occur when people try to pick up a sick or wounded bat from the ground.
- The only way to rid your house of bats is to locate and then permanently seal the holes (usually along the roof line) that they use to enter and exit.
- Michigan's most common bats form colonies during the summer that live in man-made structures, barns, houses, churches, etc. Big Brown Bat colonies average 50 bats; Little Brown Bat colonies average 100 bats.

### New faculty

Continued from page 2

from the University of Michigan. He worked at West Virginia College of Graduate Studies, the West Middle School Priority II Program and EMU. His appointment was effective June 25.

**Dr. Susan E. Moeller**, associate professor of finance, holds bachelor's, master's and doctoral degrees from Michigan State University. She worked at Northwestern University and the University of Michigan—Flint.

**Sandra Lee Nelson**, assistant professor of nursing education, holds a bachelor's and two master's degrees from EMU and a master of science in nursing degree from Wayne State University. She worked at Michigan Osteopathic Medical Center and Michigan State University.

**Dr. Louise Rose Patrick**, associate professor of music, holds a bachelor's degree from the University of Michigan and master's and doctoral degrees from Michigan State University. She worked at MSU, Kansas State University and Mankato State University.

**Dr. David Pierce**, assistant professor of music, holds bachelor's, master's and doctoral degrees from the University of Illinois, Urbana. He worked at U-I and Northern Michigan University.

**James Pinson**, assistant professor of English language and literature, earned bachelor's and master's degrees from the University of Missouri. He worked at Missouri from 1975 to 1977, 1979 to 1980,

and since 1984.

**Dr. Jayakumar Ramanathan**, associate professor of mathematics, holds a bachelor's degree from Reed College and master's and doctoral degrees from the University of Chicago. Ramanathan worked at the University of Michigan, University of California—Santa Barbara and University of Illinois.

**Philip D. Rufe**, instructor of industrial technology, holds a bachelor's degree from Millersville University and a master's degree from EMU. He worked at EMU as well.

**Dr. Aby Tehranipour**, associate professor of computer science, holds a bachelor's degree from Mashad University in Iran and

master's and doctoral degrees from the University of Nebraska in Lincoln. Tehranipour worked at Mashad and the University of Vermont.

**Dr. Tracy S. Tillman**, assistant professor of industrial technology, holds bachelor's and master's degrees from Mankato State University and a doctorate from Purdue University. Tillman has worked at Purdue since 1986.

**James T. Todd**, assistant professor of psychology, holds bachelor's and master's degrees from the University of Kansas, where he also is completing his doctorate. He has worked in the Adult Vocational Education Program in Kansas City since 1985.

**Dr. David O. Woike**, assistant

professor of music, holds bachelor's, master's and doctoral degrees from Ohio State University. He worked in the Fairfield City Schools and at OSU. His appointment was effective June 25. Ian Wojcik-Andrews, assistant professor of English language and literature, holds a bachelor's degree from the University of Essex and attended the University of Manchester, both in England. He holds a master's degree from the University of Connecticut at Storrs, where he also is completing his He worked at U-C, Eastern Connecticut State University and Quinebaug Valley Community College.

Unless otherwise noted, all appointments are effective Aug. 29, 1990.

## Edison

Continued from page 1

In accepting the first \$165,000 installment for the project, EMU President William Shelton said, "We are delighted to participate in this unique project with Detroit Edison. We mutually share a desire to contain escalating energy costs in our nation."

A. Robert Pierce, manager of the utility's marketing group, added. "Detroit Edison shares Eastern Michigan's commitment to using energy more efficiently. This joint effort will help Detroit Edison learn more about a technology that conserves energy by reducing electrical demand during on-peak hours."

Detroit Edison will gather monthly data regarding the efficiency of the EMU system over the next four years. The system is expected to become fully operational next summer.

**FOCUS EMU** is published biweekly during the spring and summer semesters for faculty and staff at Eastern Michigan University. The deadline to submit copy is 5 p.m. Tuesdays for the following week's issue. Please send submissions to: Editor, *Focus EMU*, Office of Public Information.

**Kathleen D. Tinney**, assistant vice president, Executive Division  
**Susan Bairley**, associate director, Public Information  
**Debra McLean**, FOCUS EMU editor  
**Dick Schwarze**, photographer  
**HP Patterson**, phototypesetter

## Research

## Visiting Professorships for Women

The objectives of this program are to provide opportunities for women to advance their careers in engineering and science and to encourage women students to pursue careers in those fields by providing greater visibility for women scientists and engineers employed in industry, government and academic institutions. These objectives are furthered by awarding grants to enable women scientists and engineers experienced in independent research to serve as visiting professors at academic institutions in the United States, its possessions and territories.

To be eligible, applicants must hold a doctorate, have independent research experience, not have a salaried position or promise of one with the proposed host institution, nor be receiving funds from a research grant distributed through the institution at the time of the NSF Visiting Professorship.

Candidates may initiate contact with the prospective host institution or the institution may invite eligible candidates to apply to NSF. The applicant, together with the host institution, is responsible for developing plans and arranging for (1) fully developed independent research, which may involve collaboration with a scientist at the host institution; and (2) participation in structural, counseling, or other interactive activities at the host institution.

The application deadline is Nov. 15, 1990. Contact Linda Swift at 7-3090 for further information.

## Research on Dispute Resolution

The Fund for Research on Dispute Resolution will support a broad range of research which connects the study of disputing and dispute handling to social, psychological, economic, political or legal theory. It will seek to promote understanding of the conditions under which individuals, groups and organizations do or do not express grievances and become involved in disputes. The Fund hopes to support exploration on the way social, political and legal institutions encourage, inhibit or resolve grievances and disputes.

Concept papers are due Sept. 14, 1990. Contact Linda Swift for application materials.

## Research on Drug Use in the Workplace

The National Institute on Drug Abuse is seeking proposals on the impact of drug use and abuse in the workplace and the prevalence and etiology of workplace-related drug use and abuse.

Proposals are encouraged from areas including, but not limited to: business and labor relations, management, economics, psychology, epidemiology, sociology and public health. Specific interests are: (1) Impact of Drug Use in the Workplace—including productivity, health and safety research, development of performance assessment methods and simulation and field studies; (2) Prevalence of Etiology of Workplace-Related Drug Use—such as assessing the incidence and prevalence of drug use by the workforce in various occupations or segments of business, or to examine relationships among worker and job characteristics, organizational environment and patterns of drug use and its consequences.

Proposals will be accepted Oct. 1, 1990 and Feb. 1 and June 1, 1991.

For further information, contact Linda Swift at 7-3090.

## Openings

To be considered for vacant positions, all Promotional Openings Application Forms **MUST BE SUBMITTED** directly to the Employment/Affirmative Action Office and received no later than 5 p.m. on the expiration date.

The Employment/Affirmative Action Office announces the following vacancies. The expiration date for applying for these positions is Monday, August 20, 1990. **Detailed job descriptions** may be reviewed in Room 310 King Hall. Posting Boards across campus also highlight necessary and desired qualifications. Location of these boards are main traffic areas in: King Hall, McKenny Union, Roosevelt Hall, Business and Finance Building, Sill Hall, Pray-Harrod, Rec/IM Building, Physical Plant, Mark-Jefferson, Hoyt Meeting Center, DC I, and the University Library.

Vacancy information may also be obtained by calling our 24-hour Jobs Line at 487-2462.

## CLERICAL/SECRETARIAL

(Minimum Biweekly Rate)

CSBF91011 - CS-05 - \$679.02 - Account Specialist, Accounting  
CSEX91004 - CS-05 - \$679.02 - Senior Secretary, Center for Organizational Risk Reduction; (Word processing experience and/or the ability and willingness to learn)

CSAA91010 - CS-04 - \$600.92 - Evaluator/Recorder, Registrar's

CSBF91012 - CS-04 - \$600.92 - Senior Account Clerk/Payroll

CSBF91010 - CS-04 - \$600.92 - Senior Account Clerk, Student Accounting

CSAA91009 - CS-03 - \$541.22 - Clerk, Registrar's

## CAMPUS POLICE

(Minimum Biweekly Rate)

CPBF91001 - CP-01 - \$757.71 - Officer, Campus Police, Public Safety

## PROFESSIONAL/TECHNICAL

(Biweekly Salary Range)

PTSA91010 - PT-07 - \$ 862.85 - Staff Nurse University Health Services—  
\$1,266.60 60 percent, 30 hours per week

PTBF91001 - PT-06 - \$ 750.32 - Accountant I/Accounting  
\$1,085.98

PTSA91012 - PT-05 - \$ 665.52 - Head Teacher, Child Care, University  
\$ 932.88 Health Services

PTSA91011 - PT-03 - \$ 530.49 - Assistant Teacher, Primary Care Giver,  
\$ 721.75 University Health Services

## FACULTY

FAAA91011 - Assistant/Associate Professor, Marketing and Law

FAAA91012 - Assistant/Associate Professor, Marketing and Law

FAAA91013 - Assistant/Associate Professor, Marketing and Law

FAAA91014 - Assistant/Associate Professor, Associated Health Professions

## FOOD SERVICE/MAINTENANCE

(Minimum Hourly Rate)\*

FMSA91003 - FM-06 - \$8.92 - Cook, Dining Services, afternoons,  
Sunday-Thursday, 2:30 - 11 p.m.

FMSA91004 - FM-06 - \$8.92 - Cook, Dining Services, days, Monday-Friday, 6 a.m. - 2:30 p.m.

FMBF91003 - FM-06 - \$8.92 - Custodian, midnights—library, Custodial Services, Tuesday-Saturday with  
(REPOST FROM 7/30/90) variance, 10:30 p.m. - 7:00 a.m.

FMBF91004 - FM-06 - \$8.92 - Custodian, afternoons—Pray-Harrod, Police Station, Custodial Services, 2:45  
- 11:15 p.m., Monday-Friday

\*Pay rate stated above does not include shift differential.

An Affirmative Action/Equal Opportunity Employer

Events  
of the  
Week

Aug. 14 - Aug. 27

## Tuesday 14

UAW Local 1975 will meet, Gallery II, McKenny Union, noon

## Wednesday 15

MEETING — UAW Local 1975 will meet, Faculty Lounge, McKenny Union, noon

## Thursday 16

STUDENT ORIENTATION — The Office of Campus Life will host Eastern Transition, a one-day orientation program for transfer students and adult learners. The fee is \$25. Pre-orientation workshops also are available from 1:30 to 3 p.m. Call 7-3045 to register, McKenny Union, 4-9 p.m.

## Friday 17

JAZZ COMPETITION — EMU's public radio station, WEMU-FM (89.1), will broadcast the annual Ypsilanti Heritage Festival Jazz Competition live today through Aug. 19. All performances are free, but guests must be 21 or older to enter the jazz tent after 9 p.m. each night. Refreshments will be served in the jazz tent by Jazz Competition co-sponsor the Ypsilanti Depot Town Association. Call 7-2229 for more information, WEMU-FM (89.1) and Ypsilanti Depot Town, 5 p.m. - 12:30 a.m. Friday; noon - 12:30 a.m. Saturday; 1-6 p.m. Sunday

CONCERT — As part of the Ypsilanti Heritage Festival and annual WEMU Jazz Competition, WEMU-FM will present a free headliner concert featuring The Regular Boys. Guests must be 21 or older to enter the jazz tent after 9 p.m. Call 7-2229 for more information, WEMU Jazz Tent adjacent to Ypsilanti Farmer's Market Building, 10 p.m.

## Saturday 18

CONCERT — As part of the Ypsilanti Heritage Festival and annual WEMU Jazz Competition, WEMU-FM will present a free headliner concert featuring The Robert Penn Blues Band. Guests must be 21 or older to enter the jazz tent after 9 p.m.

Call 7-2229 for more information, WEMU Jazz Tent adjacent to Ypsilanti Farmer's Market Building, 10 p.m.

## Sunday 19

CONCERT — As part of the Ypsilanti Heritage Festival and annual WEMU Jazz Competition, WEMU-FM will present a free headliner concert featuring the Henry Ford Community College Jazz Band. Guests must be 21 or older to enter the jazz tent after 9 p.m. Call 7-2229 for more information, WEMU Jazz Tent adjacent to Ypsilanti Farmer's Market Building, 10 p.m.

## Monday 20

MEETING — The Enrollment Conversion Committee will meet, Regents East, McKenny Union, 3:30 p.m.

## Tuesday 21

MEETING — The EMU Parking Department will be closed today from 11:30 a.m. to 1:30 p.m. for a departmental meeting, Parking Department, 11:30 a.m.

MEETING — UAW Local 1975 will meet, Gallery II, McKenny Union, noon

## Friday 24

MEETING — An orientation workshop will be held for new EMU employees. Call 7-0076 to sign up, 205 Welch Hall, 8:30 a.m.

## Saturday 25

CONCERT — EMU alumni and friends will join alumni association members from the other Mid-American Conference schools for a social hour and laser light show with music by Richard Kapp and the Meadow Brook Festival Orchestra. The musical feature will be "The Greatest Hits of the Classics," including Ravel's "Bolero." The cost is \$13 per person. For more information, call 7-0250, Meadow Brook Music Center, Rochester, 7 p.m.

## Monday 27

GOLF OUTING — EMU will present its 13th Annual Press Invitational Golf Tournament for members of the media, Huron Golf Club, 11 a.m.