



## Capsules

### Faculty Library Books Due Back Aug. 21

Faculty members, graduate assistants and others eligible for faculty charges are reminded that all books charged out during the spring/summer semesters are due back to the University Library by Friday, Aug. 21.

The Library staff asks that people be prompt in returning or renewing books.

### Reserve Reading Lists Needed for Processing

Reserve Reading Lists for fall semester presently are being requested by University Library staff for processing. All lists should be submitted on Reserve List forms to the Reserve Office (Library Circulation) as soon as possible.

Faculty members will not be sent forms, but may pick them up in departmental offices or at the Library Circulation Desk.

### EMU To Host Tribute To 'Oak'

The Huron Dugout Club will present a tribute to outgoing EMU head baseball coach Ron Oestrike Saturday, Aug. 29, at 5 p.m. at the EMU Baseball Stadium.

Oestrike, head coach for the last 23 years, announced his retirement May 18. Assistant EMU baseball coach Roger Coryell recently was named as Oestrike's successor.

The reception, dinner and tribute will cost \$25 per person payable to the Dugout Club.

For tickets and more information, call 483-0222.

## SERAPHIM hosts summer chemistry fellows

Nine chemistry teachers have gathered at EMU this summer to develop new and unique ways to use computers in chemistry instruction as part of EMU's Project SERAPHIM 1987 Summer Fellowship Program.

Project SERAPHIM began at EMU in 1982 as a National Science Foundation supported clearinghouse for microcomputer information in chemistry education.

It rapidly has grown into a unique organization whose activities include collecting and distributing materials; maintaining large databases of available software, computer users and software reviewers; training teachers to use existing materials and develop new ones; carrying out research; and developing new materials.

The 1987 SERAPHIM Summer Fellows and their main projects are:

—Robert B. Gayhart of Bradley University in Peoria, Ill., who is trouble-shooting and, if needed, updating a Project SERAPHIM computer program which stores abundant data and allows it to be easily retrieved with a keystroke.

—Malcolm J. Higgins of the Institut Le Rosey in Rolle, Switzerland, who is designing computer programs to show how chemicals react to produce electric current. The materials will be used to teach students the fundamentals on which batteries for cars, radios and toys are based.

—Dale L. Jensen of North Medford Senior High School in Medford, Ore., who is writing a series of computer programs designed to help students predict what will happen when two chemicals are merged.

—Daniel C. Krause, of Ypsilanti High School, who is helping develop, test and write experiments for a Project SERAPHIM Laboratory Manual designed to help high school and college teachers modernize their laboratory exercises.

—Ralph H. Lee of Oak Park and River Forest High School in Oak Park, Ill., who is collaborating with Krause to write and prepare the Project SERAPHIM Laboratory Manual. Lee also is designing, testing and writing instructions for a simple pH interface.

—Philip I. Pavlik, of Northern Michigan University, who is developing computer programs to teach students how light and chemicals interact.

—Tamar Y. (Uni) Susskind of Oakland Community College in Auburn Hills, who is preparing an initial issue of an electronic journal of chemical education.

—David Whisnant of Wofford College in Spartanburg, S.C., who is preparing spreadsheet software for use in physical chemistry classes.

—and Larry M. Wier of St. Bonaventure University in New York, who, with Gayhart of Bradley University, is preparing and evaluating computer programs for use in Project SERAPHIM.

Project SERAPHIM directly involves approximately 8,000 internationally-based chemists and chemistry instructors who are interested in new ways of teaching and learning chemistry. It is directed by Dr. John W. Moore, professor of chemistry at EMU, and co-directed by J.J. Lagowski of the University of Texas at Austin.

## Enrollment continues to climb

EMU's 1987 summer enrollment is up 2.4 percent over last year, from 5,302 students to 5,431 students enrolled, as of July 2, the official one-tenth reporting date to the state.

Of the 129-student increase, total undergraduate enrollment increased by 62 students, from 3,202 to 3,264 students, an increase of 1.9 percent.

Graduate student enrollment increased by 3.19 percent or 67 students, bringing that number to 2,167 graduate students for 1987 compared with 2,100 enrolled last year.

Although more students are enrolled this summer, they're taking fewer classes. Total credit hours for 1987 are 21,588, a decrease of 146 hours or .67 percent from last year's 21,734. Of that amount, 13,735 are undergraduate credit hours, a decrease of 363 hours or 2.64 percent from last year's 14,098. Graduate credit hours comprise 7,853 of the total, an increase of 217 or 2.8 percent when compared with last year's graduate credit hour total of 7,636.

Women outnumber men almost two-to-one this summer. Of the total student population, 2,041 or 37.6 percent are males and 3,390 or 62.41 percent are females.

## EMU to host stamp ceremony

A block of four 22-cent U.S. postage stamps honoring the art of lacemaking will be issued Friday, Aug. 14, at 11 a.m. during a first-day-of-issue ceremony in EMU's McKenny Union Ballroom.

Although the U.S. Postal Service unveiled the lace stamps in 1986, issuance was delayed one year to perfect the printing process necessary to capture their intricate design.

The four stamp designs are based on lace crafted by four Michigan lacemakers, all members of the Great Lakes Lace Group, and each design represents a flower. The lacemakers are Mary McPeck of Ann Arbor, Ruth Maxwell of Dearborn, Trenna Ruffner of Grosse Pointe Park and Leslie Saari of Cadillac.

As the U.S. Postal Service receives thousands of suggestions for stamp designs each year, the Aug. 14 ceremony marks the culmination of several years of concentrated effort by the Great Lakes Lace Group to have its art honored on a postage stamp.

The lacemaking issue is the eighth in a Folk Art Series which has included stamps recognizing Pueblo Indian pottery in 1977, quilts in 1978, Pennsylvania toleware in 1979, Indian Masks in 1980, duck decoys in 1985 and Navajo Indian blankets and woodcarved figurines in 1986.

Members of the Great Lakes Lace Group will demonstrate lacemaking during the Aug. 14 ceremony. The group also will sell its own first-day cover envelope with special cachet and the Postal Service will provide cancellations during the day. Collectors also may purchase the stamps at any U.S. Post Office. The deadline for ordering first-day cancellations is 30 days after the date of issue.

The Aug. 14 program will feature Regional Postmaster General Jerry K. Lee, Field Division General Manager/Postmaster John M. Horne and Ypsilanti Postmaster Simon Eaglin.

The ceremony is open to the public.

## Adviser

Academic Advising Center  
229 Pierce Hall  
Hotline: 7-3344

### 7½ Week Session Deadline:

Monday, Aug. 17, is the last day to totally withdraw from the University and receive "W's" or to change "Pass/Fail" option to a letter grade. To make these changes, a student must go to Briggs Hall and complete appropriate forms.

Students wishing to withdraw from an individual class must bring appropriate information to the Academic Advising Center, 229 Pierce Hall, by Monday, Aug. 17

## Openings

To be considered for vacant positions, all Promotional Openings Application Forms MUST be sent 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 Wednesday, Aug. 19.

### CLERICAL/SECRETARIAL

(Minimum Biweekly Rate)

POSTING # CLASS/GRADE

CSAA87034 - CC-03 - \$445.51 (FTE) - Secretary (50 percent) - History and Philosophy (Efficient and accurate typing; computer/word processing experience and/or the ability and willingness to learn; Academic Year appointment.)

CSAA87033 - CS-03 - \$445.51 - Merchandise Clerk - McKenny Union/Bookstore.

CSAA87035 - CS-04 - \$485.65 (FTE) - Secretary II (25 percent) - Title VI World College International Curriculum/Academic Affairs (Efficient and accurate typing; word processing experience and/or the ability and willingness to learn; duration of grant.)

**POSITION CANCELLATION: From Special Posting (July 21, 1987)**

POSTING # CLASS/GRADE

CSBF87029 - CS-04 - Senior Account Clerk - Cashier's Office

### ADMINISTRATIVE/PROFESSIONAL/TECHNICAL

(Biweekly Salary Range)

POSTING # CLASS/GRADE

ACUR87008 - AC-II - \$513.28 - \$795.93 - Assistant Coach, Women's Softball - Intercollegiate Athletics

PTSA87019 - PT-03 - \$445.51 - \$617.58 - Assistant Teacher, Child Care Center - University Health Services (nine-month appointment; FIVE POSITIONS)

PTSA87020 - PT-03 - \$445.51 - \$617.58 - Assistant Teacher, Child Care Center - University Health Services (12-month appointment; ONE POSITION)

PTSA87018 - PT-05 - \$539 - \$769.21 - Supervisor, Food Service/Huron Hideaway - Housing/Food Services

PTSA87021 - PT-05 - \$539 - \$769.21 - Head Teacher, Child Care Center - University Health Services (nine-month appointment; THREE POSITIONS)

PTSA87022 - PT-05 - \$539 - \$769.21 - Head Teacher, Child Care Center - University Health Services (10-month appointment; ONE POSITION)

PTSA87023 - PT-05 - \$539 - \$769.21 - Head Teacher, Child Care Center - University Health Services (12-month appointment; ONE POSITION)

PTBF87010 - PT-06 - \$636.02 - \$920.58 - Accountant I - Accounting

PTEX87010 - PT-09 - \$957.68 - \$1,513.93 - Database Administrator - University Computing

APSA87010 - AP-06 - \$636.02 - \$920.58 - Assistant Unit Manager, Food Service/Dining Commons I - Housing/Food Services

APSA87011 - AP-06 - \$636.02 - \$920.58 - Assistant Unit Manager, Food Service/Dining Commons II - Housing/Food Services

### FOOD SERVICE/MAINTENANCE

(\*Minimum Hourly Rate)

POSTING # CLASS/GRADE

FMBF87036 - FM-06 - \$8.58 - Custodian - Alexander, Quirk/Custodial Services - MIDNIGHTS

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

An Affirmative Action/Equal Opportunity Employer

## Promotions

Connie Miner, assistant EMU softball coach, has been named head softball coach. EMU Athletic Director Gene Smith recently announced.

Miner, who has been assistant softball coach for the past four years, replaces Nancy Plantz who resigned in May.

Miner, 30, came to EMU in 1983 with a solid reputation as a pitching coach. After a two-year stint as assistant coach at Kearney State College in Nebraska from 1979-80, Miner organized the Lincoln, Neb., Pitching Club and was there until joining the EMU staff.

A native of Norton, Kan., Miner had an outstanding four-year career at Kearney State, graduating in 1979. Twice she was named the outstanding pitcher in the conference.

Miner is an American Softball Association umpire. She also is a member of the Big Sister organization and has been an activities and games director for the mentally retarded and handicapped.

Miner said she expects to name an assistant coach soon.

Her promotion is effective immediately, subject to the approval of the EMU Board of Regents.

## Student profile depicts 'typical' EMU student

Who's the typical EMU undergraduate student? During the 1986 fall semester, she was a white, 19-year-old female from Michigan with a 2.98 high school grade point average and was enrolled in the College of Arts and Sciences, at least according to a student profile report recently released by Eastern Michigan's Office of University Planning, Budgeting and Analysis.

Based on fall 1986 opening enrollment figures, EMU gained 781 new and transfer undergraduate students and 419 graduate students since 1985 to reach a record opening enrollment of 21,255 students (final enrollment was 23,095).

Returning students accounted for 74 percent of EMU's 16,282 undergraduates last fall with 12,011 students, while there were 4,271 new undergraduates admitted.

Of EMU's undergraduate students last fall who provided race information, 524 or 3.3 percent were foreign students; 13,468 or 85 percent were white; 1,388 or 8.8 percent were black; 186 or 1.2 percent were Asian; 54 or .34 percent were American Indian; and 205 or 1.3 percent were Hispanic. Those figures omit 457 undergraduate students who did not provide race information.

While the actual numbers of undergraduate students enrolled showed increases in all minority categories, the percentage of the total student body for black, foreign and Hispanic students remained relatively constant from 1985 to 1986, each declining by less than one-half percent. The percentage of white and Asian students increased slightly, by less than one percent each. American Indian enrollment remained the same over the last two years at .34 percent of the undergraduate student body.

Women undergraduate students have outnumbered men since 1980, topping off at 56 percent of the student body last fall, or 9,123 women, while there were 7,159 male undergraduates.

Sixty-nine percent of EMU's undergraduate students were age 23 or younger, approximately the same ratio for each year since 1980.

Nearly 91 percent of EMU undergraduates last fall were Michigan residents, while approximately five percent were residents of other states and nearly five percent were foreign students. Of the other state students, 71 percent, or 556 students, came from Ohio and paid in-state tuition under EMU's Ohio Tuition Reciprocity Agreement.

The American College Test composite score for all undergraduate students was 19.85 last fall, showing an increase for the fourth consecutive year, while the Scholastic Aptitude Test composite score has remained relatively constant for the last two years at 886.

Men undergraduate students at EMU scored approximately one point higher overall

than women on the ACT averaging 20.39 and 58 points higher on the SAT averaging 918, while women undergraduates had higher high school grade point averages. The mean high school grade point average for EMU undergraduates was 2.98 in 1986. By gender, it was 3.09 for women and 2.84 for men.

Of EMU's five colleges, the College of Arts and Sciences is most popular among undergraduate students with nearly 33 percent enrolled in it followed by the College of Business with 27.5 percent, Education with 15 percent, Health and Human Services with nearly 14 percent and Technology with 11 percent. Nearly 17 percent of undergraduate students last fall had undeclared majors.

The seven most popular majors, in order of preference, were accounting, special education, nursing, marketing, management, early elementary education and computer systems. The greatest change over 1985 was early elementary education which saw a 123 percent increase in enrollment, from 229 students in 1985 to 511 last fall.

The typical graduate student at EMU last fall was a white, 26- or 27-year-old female from Michigan enrolled in the College of Education with an undergraduate grade point average of 2.96.

Opening graduate student enrollment increased 8.4 percent from 1985 to 1986, from 4,554 to 4,973 students.

Of all graduate students enrolled last fall, 236 provided no race information. Of those who did, 395 or 8.3 percent were foreign students; 3,937 or 83 percent were white; 274 or 5.8 percent were black; 81 or 1.7 percent were Asian; six or .13 percent were American Indian; and 44 or nearly one percent were Hispanic.

Actual graduate student enrollment numbers showed increases in all minority categories except black students, which decreased by one student, and American Indian students, which remained constant at six students enrolled.

The percentage representation of the total graduate student body, however, declined slightly for white, black, American Indian and Hispanic students, each by less than one percent. Foreign graduate student representation increased by approximately one percent while Asian student representation also increased slightly.

Women composed a record 63 percent of the graduate student body last fall, having increased each year since 1980 when 60 percent of all graduate students were women.

Nearly 88 percent, or 4,355 graduate students, were Michigan citizens, while two percent were United States but non-Michigan residents and 10 percent were foreign students.

Sixty-five percent of graduate students last fall were age 35 or younger, with most, 44 percent, falling between 24 and 30 years old.

## Housing crunch addressed

Due to dramatic enrollment increases, EMU's on-campus student housing, including dormitories and apartments, already is filled to capacity for the 1987 fall semester.

In response to the growing number of students, EMU expanded its on-campus facilities for fall to include nearly 200 more spaces than last year. Most of those new spaces are located in the Hoyt Hall.

To help students find off-campus housing, the University has hired an off-campus housing coordinator and has expanded its off-campus housing referral operation.

The new coordinator's main task is to contact area landlords and rental facilities in an effort to have them list their properties with EMU's off-campus referral service.

EMU's off-campus referral office has temporarily been moved to the Housing Office where students will find listings of available apartments, rooms, houses and roommates as well as the names of area landlords.

Anyone who wishes to advertise a rental property to the EMU community may do so by calling 7-2023 or 7-2425.



**BOMBING SUSPECT** - The FBI has asked universities across the nation to help identify the man in the above sketch. He is a suspected serial bomber whose victims primarily have been members of academe. Since May 1978, 12 explosive devices with common characteristics have been mailed or delivered to different parts of the country. Seven of the devices have been mailed to universities or university professors while the others have gone to airline and aircraft personnel and two computer businesses. One person has been killed by a bomb; 21 people have been injured. The suspect is believed to be highly literate and comfortable in an academic community. He is described as a white male, 25 to 30 years old, but FBI investigation indicates he may be as old 40. A reward of up to \$60,000 has been established for information leading to the bomber's identification and conviction. Anyone with information may call EMU's Department of Public Safety at 7-1222.

## UNIVERSITY LIBRARY END-OF-SEMESTER HOURS

Wednesday, Aug. 19	7:45 a.m. to 10 p.m.
Thursday, Aug. 20	8 a.m. to 5 p.m.
Friday, Aug. 21	8 a.m. to 5 p.m.
Saturday, Aug. 22	Closed all day
Sunday, Aug. 23	Closed all day
Monday, Aug. 24. to Friday, Aug. 28	8 a.m. to 5 p.m.
Saturday, Aug. 29	Closed all day
Sunday, Aug. 30	Closed all day
Monday, Aug. 31. to Friday Sept. 4	8 a.m. to 5 p.m.
Saturday, Sept. 5	Closed all day
Sunday, Sept. 6	Closed all day
Monday, Sept. 7	Closed all day
Tuesday, Sept. 8	8 a.m. to 5 p.m.
Wednesday, Sept. 9	7:45 a.m. to midnight

FOCUS EMU is published for faculty and staff every other Tuesday during the spring and summer by the Public Information and Publications Office. The deadline to submit copy is 5 p.m. Tuesday for the following week's issue.

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Communications

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Public Information

**Debra McLean**, FOCUS EMU editor

## Events of the Week

Aug. 11 - Aug. 24

### Tuesday 11

**WORKSHOP** — The Office of Human Resources Development will present part II of a workshop on effective performance appraisal at EMU, 201 King Hall, 9 a.m.

**WORKSHOP** — The Career Services Center will present a cooperative education orientation for persons interested in a fall 1987 co-op placement. Attendance is mandatory for all co-op placements. Call 7-0400 to register, 405 Goodison, 3:30 p.m.

### Wednesday 12

**WORKSHOP** — University Health Services will hold a staff "work styles" workshop, Alumni Lounge, McKenny Union, 8:30 a.m.

**LUNCHEON** — The College of Arts and Sciences Service Center will hold a luncheon, Gallery II, McKenny Union, noon.

**WORKSHOP** — The Career Services Center will present a resume preparation workshop for education majors. Call 7-0400 to register, 405 Goodison, 2 p.m.

**MEETING** — The College of Education Alumni Governing Board will meet, Gallery I, McKenny Union, 7 p.m.

### Thursday 13

**WORKSHOP** — The Office of Human Resources Development will present a workshop on situational leadership, 201 King Hall, 9 a.m.

### Friday 14

**CEREMONY** — A ceremony will be held to commemorate the issuance of the new 22c U.S. Lace Stamp, Ballroom, McKenny Union, 11 a.m.

**WORKSHOP** — The Office of Human Resources Development will present an orientation workshop for new EMU employees, 201 King Hall, 9 a.m.

### Saturday 15

**MEETING** — The EMU Alumni Board of Directors will meet, Regents Room, McKenny Union, 8 a.m.

**PICTURE DAY** — The annual EMU football picture day will be held, Rynearson Stadium, 10 a.m.

### Monday 17

**EXHIBIT** — The Art Department will present the work of Chris Nolan

in a graduate photography exhibition through Friday, Aug. 21, Ford Gallery, Ford Hall, M-F, 9 a.m. - 5 p.m.

### Tuesday 18

**WORKSHOP** — The Career Services Center will present a resume preparation workshop for non-education majors. Call 7-0400 to register, 405 Goodison, 9 a.m.

**WORKSHOP** — The Career Services Center will present an interview preparation workshop for non-education majors. Call 7-0400 to register, 405 Goodison, 11 a.m.

**WORKSHOP** — The Career Services Center will present an interview preparation workshop for education majors. Call 7-0400 to register, 405 Goodison, 2 p.m.

### Wednesday 19

**LUNCHEON** — The Division of Student Affairs will hold an executive luncheon, Oxford Room, McKenny Union, noon.

### Thursday 20

**MEETING** — The Academic Department Administrators in the College of Arts and Sciences will meet, Gallery I, McKenny Union, noon.

### Friday 21

**MEETING** — The University Marketing Committee will meet, Alumni Lounge, McKenny Union, 8 a.m.

**JAZZ COMPETITION** — EMU's public radio station, WEMU, will hold its annual jazz competition today through Sunday, Aug. 23, Depot Town, Ypsilanti, 1 p.m. Fri., Sun.; noon, Sat.

### Sunday 23

**REUNION** — EMU will host former teachers and students of Pittsfield Township's Town Hall School, now located on the EMU campus, for a reunion luncheon. Call 7-0250 for ticket prices and reservations, McKenny Union, 12:30 p.m.

### Monday 24

**GOLF OUTING** — The 10th annual EMU Press Golf Outing will be held. Attendance is by invitation only, Radrack Farms, Geddes Road, Ann Arbor, 11 a.m.

## Research

### Proposals Sought on Culture, Continuity and Change

The Michigan Council for the Humanities is requesting proposals for public humanities projects which will explore important issues of cultural continuity and change. In issuing the request, MCH seeks to enable Michigan residents to reflect on their cultural and intellectual life, to assess resources, explore needs and shape a culturally vital future.

Projects must address topics or issues responsive to one or more of the following broad themes: Cultural Commonality/Cultural Pluralism; Traditional and Popular Culture; Literacy and Culture; Communicating Culture; and Cultural Resources: Conservation and Access. Grant requests can be either for mini-grants (up to \$2,000) or regular grants (\$2,000-\$20,000).

The deadlines for submitting mini-grants are Friday, Aug. 21, and Monday, Nov. 30. Proposals for regular grants are due Friday, Sept. 18. For further information and application materials, contact Cheryl Kozell at 7-3090.