

# WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

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January 18, 1996

## Capacity crowds gather for Martin Luther King Jr. birthday events

An overflow crowd estimated at 1,200 persons attended this year's all-University convocation Jan. 15 to celebrate the birthday of the late Martin Luther King Jr.

The audience was accommodated in Shaw Theatre and three lecture rooms in Knauss Hall, where the event was carried on television. Participants in the lecture rooms responded with applause as often as those in Shaw Theatre.

"It was a very moving experience, especially at the end with the singing of 'We Are the World,'" said Carol Payne Smith, education and professional development, who chairs the MLK Day Committee of the Faculty Senate.

"I'm very pleased with the University's response to MLK Day this year," Smith continued. "It's a real tribute to our students, our staff and our faculty. It appears that canceling all classes for the day did not adversely affect participation."

Many faculty members attended events with their students, Smith said. The day's events had the theme "Transforming the Dream into Action."

The committee coordinated the scheduling of nearly two dozen events and activities across the campus in honor of the late civil rights leader. Capacity or overflow participation was reported at a number of the events.

The convocation featured a presentation by "Cross Colors," a multi-ethnic student troupe sponsored by the Department of Theatre that addresses diversity issues in a theatrical setting. The audience responded warmly in recognition, often with laughter and applause, and gave the group a standing ovation.

The Voices of WMU gospel choir sang and international students danced in traditional costumes. They joined forces at the end to sing "We Are the World." Many in the audience stood and sang with them.

Provost Nancy S. Barrett, who spoke during the convocation, stressed the value of education for social progress. Jerusha Smith, a junior majoring in organizational communication from Goodells, presided.

"You can honor Dr. King's memory and be a part of the hope for the future that he expressed on so many occasions by



### King remembered

Nearly two dozen events were scheduled on campus Jan. 15 to celebrate the birthday of the late Martin Luther King Jr. ABOVE: A morning all-University convocation drew an overflow crowd of 1,200 to Shaw Theatre and three lecture rooms in Knauss Hall. AT RIGHT: Trudy Cobb, on floor, chairperson of dance, led an informal showing during the afternoon of improvisational dance reflecting civil rights issues and the teachings of King.



persisting with your education, despite the frustrations that I know you sometimes feel," Barrett said.

"In the process," she continued, "you can enrich yourself as a human being — expand your mind, write poems, make scientific discoveries and learn to help and heal others. And above all else, stay in school, and encourage others to do so. It will be a better future for all of us."

The University canceled all classes for the day, both on and off campus, to encourage the widest participation by faculty, staff and students. Supervisors were urged to accommodate the requests of staff members to attend MLK Day events.

The Western Herald, the University's student newspaper, published its seventh annual tribute to King in its Jan. 15 edition. Western News published a separate calendar of MLK Day events in its Jan. 11 edition.

The University's observance began Jan. 13 with a lock-in at the Student Recreation Center and the 27th annual MLK Program banquet Jan. 14. Both were sponsored by the Division of Minority Affairs.

The WMU chapter of the NAACP conducted a march from the Bernhard Center to Shaw Theatre for the convocation. Other activities on Monday ranged from a film festival and lectures on minority issues to an improvisational dance performance and a brown-bag luncheon/panel discussion.

The Residence Hall Association announced a speech contest based on King's "I Have a Dream" address. It will be conducted at 7 p.m. Monday, Feb. 19, in 157 Bernhard Center.

### Senate approves guidelines for class scheduling

The Faculty Senate approved a set of guidelines for the scheduling of classes by departments at its meeting Jan. 11.

The guidelines are to enable students to "schedule required classes on a timely basis with an appropriate set of elective options available," said Lambert R. Vander Kooi, electrical and computer engineering. He is the chairperson of the senate's ad hoc Committee on Class Scheduling.

Other goals of the guidelines are to meet the program needs of academic departments not a part of the scheduling unit, to provide for the needs of evening students and to provide for the efficient use of laboratory and classroom space.

The guidelines indicate that classes should be scheduled on a uniform basis and that departments should attempt to schedule no more than a third of their courses between 10 a.m. and 2 p.m. Offerings should be distributed as evenly as possible from 8 a.m. to 9 p.m.

Courses required for a major should not be offered at the same or overlapping times unless they're offered in multiple sections, the recommendations state. To avoid time conflicts, co-requisites should be cooperatively scheduled by the departments involved.

Where possible, the guidelines urge, at least one section of multiple section courses and at least 10 percent of departments' general education courses should be offered after 4 p.m.

The senate also approved a recom-

mendation that the registrar should provide projected course offerings by terms two years in advance, including anticipated evening sections. A recommendation to have classes for each semester or session begin on Monday was defeated because of its collective bargaining implications.

"The committee recognizes that the various academic units may need to adjust their schedules to accommodate specific program concerns or other constraints," Vander Kooi said. "However, each academic unit is asked to meet its specific needs within the context of the University community by complying with these guidelines."

"When circumstances make it necessary to deviate from the guidelines, the academic unit should strive to meet the spirit of the class scheduling objectives," he said. "It is in this context that the committee offers its recommendations."

The recommendations are sent to the administration for its consideration.

### Nominations due Jan. 19 for Service Excellence Awards

Tomorrow is the last day to submit a nomination for the third quarter Staff Service Excellence Awards. If you need a nomination form, call the Department of Human Resources at 7-3620. Completed forms should be submitted to Anne E. Thompson, human resources, before 5 p.m. Friday, Jan. 19.

### Did you know?

■ WMU's links with Japan date back more than 40 years. The University's first Japanese alumnus earned a graduate degree in psychology in 1955.

■ Today, the 190 Japanese students studying at WMU constitute the University's second largest international student group. About 160 are enrolled in degree programs and 30 are studying English as a second language in the Career English Language Center for International Students.

■ WMU's first academic linkage with a Japanese institution began with Keio University of Tokyo, which sent a summer institute group of 66 students and three professors to WMU in 1961. Today, WMU's academic ties have expanded to include formal links with a dozen universities and colleges in Japan.



## WMU issues report on social, economic, cultural impact

The University has published a report on its economic, social and cultural impact on Kalamazoo County, West Michigan and the state that is being shared with opinion leaders across the state.

"A key message is that WMU has emerged as one of Michigan's truly statewide institutions, one that attracts millions of dollars each year to our part of Michigan from across the nation and around the world," said President Haenicke.

"The report makes clear that we are more than a good neighbor," he added. "We're a good friend to many thousands of people every day."

Titled "Economic Impact Report: A Matter of Quality," the eight-page newspaper includes a summary of a recent economic impact study conducted by Bassam E. Harik, economics. Results of the study, showing an annual impact of \$414 million, were announced last week.

The report also spells out some of the less measurable effects of the University on quality of life, including the services of its libraries, clinics, programs and volunteers as well as its many

cultural and athletic events.

The publication is being distributed this week to faculty and staff members so they can get a sense of what the University is telling opinion leaders about itself.

"None of this would be possible without the commitment, leadership and expertise that our faculty and staff bring to our enterprise and to the larger community," Haenicke said. "Each of them has my deepest gratitude and appreciation for their continued support."

The report was published for the Office of the President by the Office of Academic Affairs and the Division of External Affairs and General Counsel. Additional copies are available by calling 7-2380 or 7-8970.



## Names sought for Distinguished Service Award

The Distinguished Service Award Committee is seeking nominations for the University's 1996 Distinguished Service Award. Nominations are due Friday, March 8.

### Board to elect officers at meeting on Jan. 19

The Board of Trustees will meet at 11 a.m. Friday, Jan. 19, in the Board Room of the Bernhard Center.

Agenda items include the election of board officers for 1996 as well as gift, grant and personnel reports. The trustees also are expected to consider the approval of revised travel policies and procedures and of an off-campus technology fee, which was tabled at the board's Dec. 15 meeting.

Committee meetings will precede the full board meeting in 204 Bernhard Center. Times are: Academic and Student Affairs Committee, 10 a.m.; and Budget and Finance Committee, 10:15 a.m. All meetings are open to the public.

### Pritchard to lead colloquium

Michael S. Pritchard, chairperson of philosophy and a winner of this year's Distinguished Faculty Scholar Award, will present the colloquium that is part of the award at 4 p.m. Thursday, Jan. 25, in 1055 Fetzer Center. His presentation, which will be preceded by a reception at 3:30 p.m., is titled "Moral Theory and Moral Life."

This award, first given in 1980, was established by the University to recognize exceptional service in one or more of the following categories:

- Service through innovative and effective programs that are academic, or related to another facet of University life, such as programs that serve students, faculty or staff in some important and unique way.

- Service in areas and organizations that contribute to the growth and stature of the University.

- Service that extends the impact and presence of the University into the larger community.

Up to two Distinguished Service Awards may be made each year. When two awards are made, one will be given to a faculty member and the other to a staff member. Each recipient will receive a plaque, an honorarium of \$1,500 and an adjustment to base salary of \$1,000.

The award will usually be given for a cumulative body of service, rather than a single activity or accomplishment. The service must affect a significant segment of the University community.

All current, continuing full-time faculty and staff who have at least five years of service at the University are eligible. An individual may receive the award only once. Nominations may be made by any current, continuing faculty or staff member.

Forms explaining the nomination procedure have been distributed through campus mail to faculty and staff members. Persons with questions or those needing additional forms may contact Ruth A. Stevens, news services, who is chairperson of the Distinguished Service Award Committee. She can be reached by telephone at 7-4114 or by e-mail at ruth.stevens@wmich.edu.

### Certificates available for student employee recognition

Departments that wish to recognize their student employees during Student Employment Week can order certificates of appreciation now from the student employment referral service.

The certificates are free and there is no limit to the number a department can order. Forms for requests have been disseminated through campus mail and should be returned to the student employment referral service by Friday, Feb. 2.

Student Employment Week is being planned for Feb. 12-16. The laser printed certificates will be sent to supervisors to hand out to student employees during that week.

For more information, persons may contact the student employment referral service at 7-2725.

## Two join staff of federally funded program that targets at-risk students

Two employees have joined the staff in the University's Student Support Program.

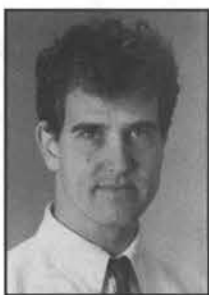
Kerrie J. Harvey has been named program services coordinator and Richard G. McMullen Jr. has been appointed coordinator of academic services.

The Student Support Program, part of the Center for Academic Support Programs, is a federally funded TRIO program that provides supportive services for up to 235 handicapped, income eligible or first generation college students demonstrating academic need. The goal of the program, which began in 1984, is to improve graduation and retention rates for its students.

Harvey will be responsible for developing career mentoring and cultural enrichment programs. She also will provide academic advising and teach a section of



Harvey



McMullen

the class, "Career Exploration and Development," reserved for SSP students.

Harvey earned a bachelor's degree in Spanish and a master's degree in student personnel services/counseling in higher education, both from WMU. Her previous

experience includes internships and positions in WMU's residence halls, apartments, Office of International Student Services, Center for Counseling and Psychological Services, Career Services, Office of the Vice President for Research and Department of Counselor Education and Counseling Psychology.

McMullen will oversee the SSP's tutoring component. That involves hiring, training and supervising 20 project assistants who work with SSP students in course content and learning and study strategies. McMullen also will co-teach four sections of "University 101," WMU's semester-long orientation course for freshmen, that are reserved for SSP students. In addition, he will provide academic advising and a number of other student-centered activities.

McMullen earned a bachelor's degree in anthropology from Eisenhower College in New York and a master's degree in anthropology from Syracuse University. He previously worked at Cazenovia College in New York as an instructor, tutor, academic adviser and director of its Collegiate Science and Technology Entry Program.

## Economist to discuss PCS spectrum auctions

The use of economic theory to help the government allocate a scarce resource in the telecommunications industry will be the topic of a lecture Wednesday, Jan. 24.

Peter C. Cramton, associate professor of economics at the University of Maryland, will speak on "The PCS Spectrum Auctions: An Early Assessment" at 3:30 p.m. in 3760 Knauss Hall.

The free talk is part of the Department of Economics' 32nd annual guest seminar series titled "Telecommunications: Have Regulators Dialed the Wrong Number?"

PCS is an acronym for personal communications services, the latest generation of telecommunications technology that is similar to today's cellular technology. The Federal Communications Commission decided to divide up part of the electromagnetic spectrum to PCS providers in various markets by using high-tech, complex auctions. The providers must bid and then obtain a license from the FCC. The first auction, which concluded last March, was

the largest such event in history and raised \$7 billion for the U.S. Treasury.

Cramton will discuss how the FCC has used economic game theory to devise the optimal auction for such a scarce resource as the electromagnetic spectrum. He also will describe how providers have used game theory to develop the best bidding strategies.

An expert on game theory and PCS auctions, Cramton has published many articles in leading economics journals.

The Department of Economics co-sponsors the series with the W.E. Upjohn Institute for Employment Research in Kalamazoo. The series is directed by Donald L. Alexander, economics.

### Information sessions planned on study abroad

A series of programs designed to encourage students to study abroad has been scheduled for this semester by the foreign study area of the Office of International Affairs.

"Walk Down Every Street: Student Discussions on the World Neighborhood" will take place from 7 to 9 p.m. on designated Tuesdays in the Bigelow Hall lounge.

In addition to providing information for those interested in studying abroad, the programs will give students who have been abroad a chance to share their experiences and give international students who live abroad an opportunity to discuss their home countries.

The discussion topics and dates are: Australia, Jan. 23; Russia, Feb. 6; Southeast Asia, March 12; and France, March 26. Following the informal program, participants will have a chance to sample food from the area being discussed.



**MAKING A CLEAN SWEEP** — Terri L. Hageman is one of the landscape services employees who work during the winter to keep sidewalks safe to navigate. Last week's warm weather enabled her to trade her snow shovel for a broom. Some of the steps around campus are closed during the winter so that crews can concentrate their efforts on heavily traveled areas. There are 75,000 square feet of steps to shovel on campus, along with 16 miles of road and 39 miles of sidewalk to plow, 150 acres of parking lots to maintain and 552 building entrances to clear following each snowfall.

## WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

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## Series continues on technologies and teaching

Three WMU departments are cooperating again this winter to present a series of programs about the exciting uses of innovative technologies in teaching.

The series, titled "Enhancing Instruction With Technology," began last fall. It is being coordinated by the Office of Faculty Development Services, the Office of Instructional Technology Services and the Faculty Resource Center in University computing services.

All programs take place in 3307 Sangren Hall and run from noon to 1 p.m., unless otherwise noted. They are:

□ "Comparing Web Tools: HTML Editors" with Kelly L. Keglovitz and Bardia Mandani, University computing services, and Jan W. Oliver, instructional technology services, Tuesday, Jan. 23;

□ "Creating a Lecture Presentation" with Debra Lindstrom-Hazel, occupational therapy, Wednesday, Jan. 31;

□ "The Web as a Research Tool" with Allen Zagarell, anthropology, Thursday, Feb. 8;

□ "Virtual Reality and 3D Imaging in the Classroom" with Marc Bagley and John Hickey of Apple Computer Inc., Wednesday, Feb. 14;

□ "Using Technology to Teach Political Science" with Neil A. Pinney and James M. Butterfield, political science, Tuesday, Feb. 20;

□ "Desktop Videoconferencing: Current Developments" with Howard R. Poole, special education, and Marc Bagley and John Hickey of Apple Computer Inc., Thursday, March 7;

□ "Teaching With the Web: Experiences and Results" with a panel of faculty members, Monday, March 11;

□ "Development of an Interactive Multimedia Program" with Kevin J. Armstrong, psychology, and Dwayne M. Munneke, a doctoral student, Friday, March 22, from 10 to 11 a.m.;

□ "Creating Interactive Web Sites"

## Media

Frank L. Gross, comparative religion, discusses the men's movement on "Focus," a five-minute interview produced by news services. "Focus" is scheduled to air at 6:10 a.m. Saturday, Jan. 20, on WKPR-AM (1420). "Focus" is also used on a regular basis by WKZO-AM (590), WKMI-AM (1360) and several other radio stations around Michigan.

## Correction

The University has found an area that the faculty union and the administration have in common. Both make occasional mistakes when calculating the percentage of salary increases for faculty members.

Here is the evidence: Two years ago, the WMU chapter of the American Association of University Professors published a voluminous report titled "WMU Faculty & Administrative Salary Survey" in which essentially the percentage of all salary increases for all faculty ranks over a three-year period was miscalculated. The administration pointed

with L. John Link, art, Wednesday, March 27; and

□ "Uses of Animation and Digital Movies in Instruction" with Fritz Seegers and Jan W. Oliver, instructional technology services, Wednesday, April 3.

Pre-registration for these programs is encouraged by calling 7-5305; faxing your name, department, telephone number and e-mail address to 7-6048; or sending e-mail to maryann.bowman@wmich.edu.

### Vice President Beam will address Jan. 23 APA meeting

Robert M. Beam, vice president for business and finance, will be the guest speaker at the winter general membership meeting of the Administrative Professional Association Tuesday, Jan. 23.

The meeting will begin at noon in 157-159 Bernhard Center. Beam will express his appreciation for the APA's efforts toward furthering the goals and interests of the University and will talk briefly about compensation issues. The meeting also will include reports from APA officers and committee chairpersons.

The meeting is open to all APA members. Those wishing to join the organization may do so at the meeting.

## Libraries

Select Phone, a database containing 69 million records for residences and 11.5 million addresses for businesses, is now available on FirstSearch through the University libraries.

The records are compiled from current white page listings from United States city telephone directories that are updated annually. Semiannual updates provide new and modified listings for approximately 50 percent of the file.

Basic searches include name, zip code, telephone number, city, Standard Industrial Code and state. To narrow a search, a combination of search keys may be used. A search for a person's name may be combined with an area code. For example, type: s jones franklin and ph:614 to search for the records for all Franklin Joneses in the 614 dialing area. To see the record for a business or residence for which you have the telephone number, type: s ph:614-764-6000.

The Standard Industrial Code, a classification of businesses by type, can be

## On campus



**CLIMATE CONTROL** — Want to know where the campus "hot spots" are? Ask Kirk B. Dillery. An environmental control person in the maintenance services area of the physical plant, he's part of the crew that maintains temperature and humidity requirements throughout campus. While each building has a set of controls, its age determines how sophisticated those mechanisms are. Dillery is pictured here near a computer that monitors and controls the environment in about 20 campus

buildings. Its capabilities run from simply being able to monitor the temperature in a room in the Bernhard Center to actually being able to change the temperature in an office in the Student Recreation Center. Dillery spends his days working on the computer and going out to answer what he terms "hot and cold calls." "There's a lot of variety," he says. "You never know what's coming up from one hour to the next." Dillery says he enjoys working with the people and facing the challenge of meeting a lot of different needs. A WMU employee for six and a half years, Dillery worked for three years as a refrigerator repairperson before taking his present job. When not at work, he enjoys spending time with his wife and two daughters. His hobbies include participating in outdoor activities and restoring old "muscle cars." He just finished rebuilding the engine in his 1963 Mercury Marauder.

used to search for records that contain information related to service and product categories used to define the nature of a business. For example, type: s sc:airlines and cy:atlanta to retrieve records about airlines in Atlanta.

Searches can also be limited geographically by searching with the state (st:), city (cy:), or zip code (zp:) labels. These labels are required and are best combined with

other labels to focus the search on a specific geographical area. For example, type: s su:rader david and zp:10579 to retrieve the record for David Rader of Putnam Valley.

Online help is available for this database and all FirstSearch databases. Use Help to see more information about this database's searches, search labels and records.

## Zest for Life

Programs on depression and smoking will begin next week through Zest for Life.

A new program, "Understanding and Managing Depression," is scheduled for 5:15 to 6:45 p.m. Mondays, Jan. 22 and 29, in 3210 Sindecuse Health Center.

This workshop will help participants recognize symptoms of depression in themselves or in others. It will involve a discussion of causes of depression, how depression can be effectively treated and resources for referral and treatment.

The "Set Yourself Free-Stop Smoking Program" will begin Wednesday, Jan. 24, and meet from 3 to 5 p.m. Mondays and Wednesdays through Feb. 19, in 3220 Sindecuse Health Center. The program is intended to help smokers explore their re-

lationship to nicotine and develop strategies for coping with the short-term effects of physical withdrawal. Relapse prevention strategies are integrated with skills for reducing psychological craving, preventing weight gain, managing stress and building a lifestyle focused on healthy non-smoking alternatives.

To register for either program, call the Office of Health Promotion and Education at 7-3263.

All WMU employees and spouses are encouraged to attend the "Expert Express" from noon to 12:30 p.m. Tuesday, Jan. 23, in 3014 Student Recreation Center. Theresa E. Brady, graduate assistant, will prepare a lowfat lunch for everyone to sample.

## Jobs

The following list of vacancies is currently being posted through the Job Opportunity Program by employment services in the Department of Human Resources. Interested benefits-eligible employees can apply for any of these positions (bargaining or non-bargaining) by submitting a job opportunity transfer application during the posting period, or may contact an employment services staff member for assistance in identifying themselves as candidates for these openings.

S-01 and S-02 clerical positions are not required to be posted. For persons interested in faculty positions, there are openings in selected fields. A letter of application should be submitted to the appropriate dean or chairperson.

(R) **Assistant/Associate Professor** (Tenure Track), I-30/20, Paper and Printing Science and Engineering, 95/96-346, 1/16-1/22/96.

(N) **Assistant/Associate Professor** (Tenure Track), I-30/20, Aviation Sciences, 95/96-347, 1/16-1/22/96.

(R) **Assistant/Associate Professor** (Tenure Track), I-30/20, Counseling Center, 95/96-348, 1/16-1/22/96.

(R) **Environmental Control Person**, M-5, Physical Plant-Maintenance Services, 95/96-350, 1/16-1/22/96.

Please call the Applicant Information Service at 7-3669 for up-to-date informa-

tion on the Job Opportunity Program and vacancies available to external applicants.

(N) New  
(R) Replacement  
WMU is an EO/AA employer

## Obituary

C. Keith Sheeler, retired from public safety, died Jan. 12. He was 68.

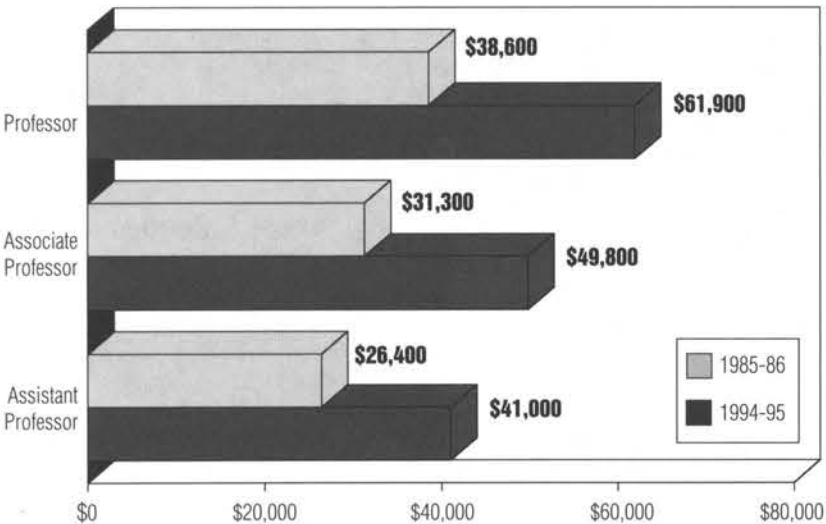
Sheeler joined the WMU staff as director of the Department of Safety and Security in 1961. He oversaw the conversion of the department from a safety and security force to a law enforcement agency with full peace keeping powers in 1973.

Sheeler stepped down as director of the Department of Public Safety and police chief in 1980 for health reasons and retired from the University in 1992.

Before coming to WMU, Sheeler worked as a teacher and coach at Galesburg-Augusta High School, as a police sergeant with the Kalamazoo Police Department and as a friend of the court for Kalamazoo County. He earned both his bachelor's and master's degrees from WMU and was active in the Kalamazoo Lions Club.

Memorial contributions may be made to the Portage First United Methodist Church or the Michigan Heart Association.

WMU Full-Time Faculty Average Salary



Increase from 1985-86 to 1994-95: professor, 60 percent; associate professor, 59 percent; and assistant professor, 55 percent.



# Calendar

The master calendar maintained by news services for use in Western News is available through Gopher on the VMScluster. Currently, there are three calendars available: January events; February events; and future events, which run from March through December. To view the calendars, type Gopher at the system prompt. At the next menu, choose 2. Western Michigan University, then choose 4. Campus Calendar. You will find options for 1. This Month's Events, 2. Next Month's Events and 3. Future Events.

## Thursday, January 18

(thru 24) Exhibition, "Calligraphy, Carvings and Rubbings in Chinese Art," curated by Qianshen Bai, art, Gallery II, Sangren Hall, weekdays, 10 a.m.-5 p.m.  
(thru 31) Exhibition, "Holding Stones Series," sculpture by Palli Davene Davis, Oberlin, Ohio, Space Gallery, Knauss Hall, Mondays thru Thursdays, 10 a.m.-4 p.m.  
"A Gathering of Women," Faculty Dining Room, Bernhard Center Public Cafeteria, noon-1 p.m.  
Workshop on internal funding for research, Brown and Gold Room, Bernhard Center, 1:30-3:30 p.m.; to register call 7-8298.  
\*(thru 21) University Theatre production, "Side by Side by Sondheim," Dalton Center Multi-Media Room: Jan. 18-20, 8 p.m.; and Jan. 21, 2 p.m.  
\*(thru 20) Performance, Orchesis Dance Society, Dalton Center Studio B: Jan. 18-19, 8 p.m.; and Jan. 20, 2 p.m. and 8 p.m.  
University Film Committee showing, "Short Cuts," directed by Robert Altman, 2750 Knauss Hall, 8 p.m.

## Friday, January 19

\*University computing services workshops, 2033 University Computing Center: "PageMaker 5.0 for Macintosh Introduction," 9-11:30 a.m.; and "Electronic Mail Using PMDF on VMScluster," 3-5 p.m.; registration recommended by calling 7-5161.  
Meeting, Academic and Student Affairs Committee of the Board of Trustees, 204 Bernhard Center, 10 a.m.  
Meeting, Budget and Finance Committee of the Board of Trustees, 204 Bernhard Center, 10:15 a.m.  
Meeting, Board of Trustees, Board Room, Bernhard Center, 11 a.m.  
\*Hockey, WMU vs. Ferris State University, Lawson Arena, 7 p.m.

## Saturday, January 20

\*Men's basketball, WMU vs. Kent State University, University Arena, 2 p.m.  
\*Hockey, WMU vs. Bowling Green State University, Lawson Arena, 7 p.m.  
Graduate recital, Forrest Wakeman, piano, Dalton Center Recital Hall, 8 p.m.

## Sunday, January 21

Concert, University Symphony Orchestra, Dalton Center Recital Hall, 3 p.m.

## Monday, January 22

(thru Feb. 2) Exhibition, "100 Questions, Begging for Answers," advanced print workshop, Student Art Gallery, East Hall, weekdays, 10 a.m.-5 p.m.; opening reception, Friday, Jan. 26, 5-7 p.m.

## Tuesday, January 23

Doctoral oral examination, "Ground Water Movement Through the Highly-Fractured Crystalline Core of a Large-Scale, Foreland Uplift, Royal Gorge Arch, South-Central Colorado," Timothy L. Clarey, geology, 1107 Rood Hall, 9 a.m.

## Two produce guide on curriculum integration with the goal of reforming science education

Two WMU science education specialists have developed a handbook to help public schools reform science education by integrating science concepts throughout the curriculum.

"Curriculum Integration: A Multidisciplinary Approach to Science" is one of a series of curriculum modules recently published by Science Education in Michigan Schools, a statewide effort designed to help school curriculum committees restructure science studies. The booklet was developed and written by Robert H. Poel, Center for Science Education and science studies, and Mark Jenness, Center for Science Education and Center for Research on At-Risk Students.

Poel and Jenness address the interest shown by modern educators in using an integrated curriculum as a better way to prepare students to meet the challenges and complexities of life in "the real world."

"A multidisciplinary approach," Jenness says, "is one that draws upon ideas and skills from a wide range of disciplines and integrates them with the fundamental ideas and skills of science to help students better understand science concepts and skills as well as their applications to real-world situations."

"The book is really aimed at curriculum development committees at the district level," Poel adds, noting that such committees often are composed of teachers and administrators from schools within the district as well as parents.

To help those committees in their work, Poel and Jenness have developed a checklist that can be used to assess whether or not a district is ready to adopt an integrated approach to science. Teacher readiness, administrative support for a long-term effort and community involvement are among the areas that need to be considered, they say.

A number of practical tools in the book are designed to help educators make the transition to an integrated curriculum. They

include descriptions of Michigan schools engaged in integrated curriculum development, definitions and an extensive reference list.

"One of the most controversial issues around multidisciplinary curriculum," Poel says, "is a concern about the potential danger that traditional science disciplines will be diluted or compromised when they are integrated across other science disciplines or with other subject areas. What people need to become aware of is that by approaching science this way, more is being learned — not less. Instead of learning science facts in isolation, students learn how science is connected to their lives. We know that real learning takes place when students can see and understand those connections."

Michigan schools of varying sizes in both rural and urban locations have adopted a variety of integrated science education methods, Jenness says. The booklet includes detailed descriptions of how several schools implemented science reform efforts and offers details on the specific approaches taken.

One example they offer is a district that adopted a thematic approach to science, choosing water as the theme across the curriculum in grades K-5. In English, students would write about water topics and read literature with a water theme. In mathematics, students might learn how to calculate the velocity of a stream and learn why knowing the velocity might be important. In art, students could complete a photo essay on water resources.

The new booklet is the 10th in a series of curriculum modules developed by Science Education in Michigan Schools researchers. Topics covered by earlier publications include "Laying the Groundwork for Curriculum Reform" and "Diversity in Science Education." Persons interested in the booklet may get additional information or order copies by calling WMU's Center for Science Education at 7-3337.



## Stylized art

"Sky Grinder," a sculpture by Glenn Zwegardt, provides a nice contrast to the architectural lines of Everett Tower in the back-ground in this stylized photograph by Neil G. Rankin, news services. The artwork was loaned to the University in 1992-93 as part of the original Sculpture Tour Program coordinated by the Department of Art. It was subsequently purchased by the University and is now part of the Permanent Art Collection.

\*University computing services workshops (all in 2033 University Computing Center unless otherwise noted): "PageMaker 5.0 for Macintosh Intermediate," 9-11:30 a.m.; "Creating Web Pages: PC/Windows," noon-2 p.m.; "UNIX Introduction," 2063 Kohrman Hall, 3-5 p.m.; and "Internet Introduction," 5:15-7:15 p.m.; registration recommended by calling 7-5161.

Meeting, Administrative Professional Association, 157-159 Bernhard Center, noon-1 p.m.  
Enhancing Instruction with Technology program, "Comparing Web Tools: HTML Editors," Kelly L. Keglovitz and Bardia Mandani, University computing services, and Jan W. Oliver, instructional technology services, 3307 Sangren Hall, noon-1 p.m.; to register call 7-5305.

Physics colloquium, "The Surface Spin-Flop Transition in Antiferromagnetic Superlattices," Sung G. Chung, physics, 1110 Rood Hall, 4 p.m.; refreshments, 2202 Everett Tower, 3:30 p.m.

Recital, graduate choral conducting students directing the University Chorale, Dalton Center Recital Hall, 5 p.m.

Roundtable discussion of lesbian and gay relationships, Kiva Room, Faunce Student Services Building, 6 p.m.

Walk Down Every Street: Student Discussions on the World Neighborhood, "Australia," Bigelow Hall lounge, 7-9 p.m.

## Wednesday, January 24

\*University computing services workshops, 2033 University Computing Center: "Surfing the World Wide Web," 9-11 a.m.; and "Windows 3.1 Introduction," noon-2 p.m.; registration recommended by calling 7-5161.

School of Music Convocation Series concert, David Code, theorist, David Little, baritone, and Silvia Roederer, piano, Dalton Center Recital Hall, 2 p.m.

Economics lecture, "The PCS Spectrum Auctions: An Early Assessment," Peter C. Cramton, associate professor of economics, the University of Maryland, 3760 Knauss Hall, 3:30 p.m.

\*Women's basketball, WMU vs. Ohio University, University Arena, 7 p.m.

## Thursday, January 25

"A Gathering of Women," Faculty Dining Room, Bernhard Center Public Cafeteria, noon-1 p.m.

Distinguished Faculty Scholar Colloquium, "Moral Theory and Moral Life," Michael S. Pritchard, chairperson of philosophy, 1055 Fetzer Center, 4 p.m.; reception, 3:30 p.m.

Master class, Ava Ordman, trombone, Dalton Center Recital Hall, 3:30 p.m.

Student recital, Jenifer Welch, horn, Dalton Center Recital Hall, 7 p.m.

\*Admission charged

## Hermesen named 'W' Club 'woman of the year'

Katharine Werme Hermesen, career services, has been named the recipient of the WMU Alumni "W" Club "woman of the year" award. She will be honored during the Bronco men's basketball game against Kent State University at 2 p.m. Saturday, Jan. 20, in the University Arena along with "man of the year" winner Bob Ezelle.



Hermesen

From 1986 to 1989, Hermesen started on the Bronco volleyball squads that won three Mid-American Conference titles and participated in four National Collegiate Athletic Association tournaments. She was team captain, a first- and second-team All-MAC playing selection and an all-league academic pick. As a prep athlete at Portage Northern High School, she was the first four-time Class A All-State honoree.

Hermesen joined WMU's career services staff last month after serving for six years as a placement specialist for the Michigan

Career and Technical Institute of Plainwell. She coordinates placement programs for the Haworth College of Business.

She has remained active in athletics since earning her bachelor of business administration degree in marketing from WMU in 1989. She has been a program administrator for the Kal Juniors Volleyball Program, was an assistant coach for the Bronco volleyball team in 1993 and served as the first woman president of the Alumni "W" Club in 1992-93.

## Targowski elected to post

Andrew S. Targowski, business information systems, has been elected to a three-year term as vice president of industry relations for the Information Resources Management Association.

The organization, which has several thousand members from some 30 countries, is one of the largest information associations in the world serving information providers and users. It has a strong publishing program, producing four refereed journals, one general journal and three to five scholarly-professional books each year.