

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

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Marking MLK Day

An all-University convocation, panel discussions, films and other events marked the observance of Martin Luther King Jr.'s birthday on campus Jan. 16. For the first time this year, classes were canceled from 10 a.m. to 2 p.m. so that students and faculty members could attend the special events. ABOVE: More than 1,000 people attended the convocation in the University Arena. The program

included readings, musical performances and a speech by Bettye Daly, president and chief executive officer of the Mayday Chemical Co. of Kalamazoo. BELOW: The convocation closed with a performance of "Hand in Hand," the theme song from the 1988 Olympics, by a combined group comprised of the Voices of WMU gospel choir and an international student choir. Events, which continued throughout the day, were sponsored by a number of units at the University and coordinated by an MLK Day Committee that included a broad representation of faculty, staff and students.



Board to elect officers at Jan. 20 meeting

The Board of Trustees will meet at 11 a.m. Friday, Jan. 20, in the Board Room of the Bernhard Center.

Agenda items include the election of board officers for 1995 as well as gift, grant and personnel reports. Trustees also are expected to consider a name change for one department and a reorganization of two others.

These board committees will meet Friday in 204 Bernhard Center: Budget and Finance Committee at 10 a.m.; and Academic and Student Affairs Committee at 10:15 a.m. All meetings are open to the public.

Shugars on agenda for APA gathering

State Sen. Dale L. Shugars will be the guest speaker at the winter general membership meeting of the Administrative Professional Association Tuesday, Jan. 24.

During the meeting, set for noon in 157-159 Bernhard Center, Shugars will briefly share his views on such issues as funding for higher education in Michigan this year. The meeting also will include information about the APA's growing fund to finance a future scholarship for APA offspring as well as reports from APA officers and committee chairpersons.

WMU researchers putting stock in office waste paper

Those office memos you've stashed in your recycling container may someday show up in the pages of a newsmagazine.

WMU researchers are getting ready to produce publication quality printing stock from mixed office waste paper under a \$1.3 million grant from the Environmental Protection Agency. The first samples, which will be a similar grade of paper to that used in newsmagazines like Time and Newsweek, are expected to roll off the

University presses during the next few months.

The WMU researchers have been working for the last two years to set up a process that will overcome the technical problems traditionally associated with such a transformation. They hope to turn the mixed office waste paper from one of the least used sources of recycled products to one of the most readily used sources.

"The reason for picking on mixed office paper is that it is a category of waste paper that is recycled least," says Ellsworth H. Shriver, paper and printing science and engineering who is directing the project. He notes that only about 15 percent of such office paper is currently recycled, compared with more than 45 percent of such paper products as newsprint and corrugated paper products.

"We're establishing new capabilities and, with the equipment we've installed, we have the only pilot system in the country for doing this," Shriver says. "The federal government is certainly going to get its money's worth with this research."

WMU is the only university in the world with paper and printing pilot plants on the same campus, giving the University the capability of going from pulp to a final printed product.

The project, begun in August 1992, is scheduled for completion in July 1996. The initial two years were devoted to acquiring equipment and setting up additional work space in the University's existing McCracken Hall paper pilot plant to carry out the research.

While equipment for the work was being gathered, researchers sought a representative supply of mixed office paper. Using only campus recycling efforts as originally planned, Shriver says, would not result in a truly representative sample.

The researchers turned to a local commercial firm, Michigan Disposal Services, for a sample that is being gathered from a seven-county area around Kalamazoo. Recent months have been spent completing benchmark laboratory testing on that sample.

Most of the new equipment is now in place and University researchers are ready to begin the recycling process with the mixed office paper sample that has been hand sorted into five categories. A specified percentage of each category will be used in the initial testing sample. Shriver expects the first recycled product — the publication quality paper similar to that found in popular newsmagazines — to roll off the paper pilot plant machines in March.

By April, tests on the printability of the new product will begin at the department's Welborn Hall printing pilot plant. Once satisfied with the quality of the initial level of paper product, Shriver and his colleagues will turn to higher grade papers and eventually to unsorted samples of office waste paper.

"The real challenge in this project will be when we move to unsorted mixed office paper," Shriver says.

The paper pilot plant, under the direction of William K. Forrester, has been the site of all of the equipment installed for the project. New machinery there includes a kneading machine, a pulper and a clarifying machine. All will be employed in the research along with some of the traditional papermaking steps such as pulping, bleaching, de-inking, screening and centrifugal cleaning.

Researchers will experiment by varying the order in which the steps in the papermaking process occur as they try to

Western News calendar on line through Gopher

Planning ahead? The master calendar maintained by news services for use in Western News is now 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. The listings include only those events sponsored by WMU on campus.

To view the calendars, type Gopher at the dollar sign prompt. At the next menu, choose 2. Western Michigan University, then choose 3. Campus Calendar. You will find options for 1. This Month's Events, 2. Next Month's Events and 3. Future Events.

At the beginning of each month, a new month will be separated from the Future Events listing to make scanning easier. The calendar will be updated each Thursday.

Nominations sought

Faculty and staff members are reminded that nominations for the University's 1995 Distinguished Service Award are due at 5 p.m. Friday, March 10.

Guidelines recently were distributed to faculty and staff members in campus mail. For more information, persons may contact Lewis Walker, chairperson of sociology and the Distinguished Service Award Committee, at 7-5281.

(Continued on page four)

(Continued on page four)

Economist to discuss poverty and inequality differences

"Regional and Subgroup Differences in Poverty and Inequality" will be the subject of a free lecture at 8 p.m. Wednesday, Jan. 25, in 170 Wood Hall.

John Formby, the James Patrick and Elizabeth Brannan Hayes Professor of Economics at the University of Alabama, will discuss the causes of differences in poverty and inequality from region to region and among various demographic groups. He also will present an afternoon seminar for professional economists, graduate students and advanced undergraduates.

The presentations are part of the WMU Department of Economics' 31st annual lecture-seminar series titled "The Economics of Rich and Poor: The Political Economy of Income Redistribution." Speakers in the series will examine the various economic factors generally believed to determine the distribution of income.

Though much of Formby's research has been devoted to questions relating to income distribution, he also has published on such varied topics as regulation, taxation and imperfect competition. The recipient of a number of awards and research grants, Formby has served as a senior economist for the President's Council on Wage and Price Stability.



Formby



PUTTING IN A PLUG FOR PERFORMANCE — Mark A. Ely, left, mechanical and aeronautical engineering, describes the testing procedures he is using to evaluate a new premium spark plug to a General Motors video crew on campus Jan. 12. The crew was gathering footage to use in a presentation when the new product — the AC RAPIDFIRE performance spark plug — is introduced to the automotive press at a special media day in Phoenix Jan. 30. Ely is under contract to complete independent testing of the high performance spark plug that is manufactured by AC Delco Systems and will be marketed this spring by the GM Service Parts Organization. He also will attend the Phoenix event to demonstrate and answer questions about the test procedures.

Grants support research and public service projects

The University received more than \$3.3 million in grants during October and November, bringing this fiscal year's grant total to just over \$8.3 million, according to a report presented Dec. 16 to the Board of Trustees.

October grants totaling \$681,258 and November awards of \$2,648,967 brought the total of external funding received since the July 1 start of the fiscal year to \$8,301,183. Of the amount reported, more than \$1.3 million was for research projects and more than \$1.5 million will fund public service projects.

The largest single award received during the period was a grant for \$615,000 from the W.K. Kellogg Foundation of Battle Creek to the School of Social Work. The grant will be used to strengthen training of social service professionals in Kalamazoo as well as students who are preparing for careers in those areas. The project, headed by Philip R. Popple, director of the School of Social Work, will establish partnerships between the school and four neighborhoods in Kalamazoo.

The Michigan Department of Education awarded more than \$1.4 million in grants for projects ranging from research in the areas of mathematics and science education to programs designed to increase the number of minority students in higher education. Two of the largest grants, totaling \$866,788, will fund mathematics education projects that focus on Michigan public schools. The awards were Higher Education Competitive Grants made under the auspices of the federal government's Dwight D. Eisenhower Mathematics and Science Education Act.

One of those awards, a \$492,188 grant to Christian R. Hirsch, mathematics and

statistics, will support a curriculum and professional development project to change mathematics teaching in Michigan's public high schools. The funds will be used to help high schools throughout the state reshape their mathematics programs by supporting staff development for school-based teams, professional development for teachers and technical assistance to schools pilot testing the Core-Plus Mathematics Project curriculum. Core-Plus is a national curriculum development project also directed by Hirsch and supported by the National Science Foundation.

A \$374,600 Eisenhower award to Robert A. Laing, mathematics and statistics, and Ruth Ann Meyer, chairperson of mathematics and statistics, will fund inservice training during 1994-95 through the Michigan Mathematics Inservice Project. That program is designed to update the mathematics teaching skills of more than 40,000 Michigan elementary and middle school teachers to help them accomplish the changes in mathematics education prescribed by the Michigan Goals and Objectives of Mathematics Education. A new initiative funded this year as part of the project is the 1995 Michigan Mathematics Leadership Program, which is designed to facilitate mathematics reform at the middle school level. This program will be conducted at about 15 sites across the state through the Michigan Math/Science Centers Network.

Two Michigan Department of Education awards totaling \$112,954 were made to campus researchers working toward improving science education in Michigan schools. Robert H. Poel, Center for Science Education, and DeWayne Anderson, education and professional development, were awarded \$59,652 for their work on Workshops for Effective Science Teaching. The project will involve presenting workshops on science content and teaching strategies to elementary and secondary teachers in five Southwest Michigan focus districts as part of the Michigan Statewide Systemic Initiative. The districts are Caledonia, Delton-Kellogg, Covert, Cassopolis and Benton Harbor. A second grant for \$53,302 will fund Poel's work on the Making Elementary Science Happen project. He will conduct a summer science institute and do follow-up support for teachers in selected schools in Muskegon, Otawa and Newaygo counties.

Grants from the Michigan Department of Education to the Graduate College and the Division of Minority Affairs will be

used to increase minority participation in post-secondary education through the University's Martin Luther King Jr./Cesar Chavez/Rosa Parks programs. A \$114,492 award to the Graduate College will provide funding for four doctoral fellowships to minority students. A \$101,827 award will be used by the Division of Minority Affairs to introduce minority children within a 90-mile radius of WMU to the potential of a college education by bringing them to the campus for a series of visitations and special events.

Also received during the period were three grants totaling \$443,263 from the Kalamazoo County Human Services Department to support the continuing work of WMU's Center for Developmentally Disabled Adults. The center provides daily living and socialization skills training to the county's population of persons age 26 and older who have developmental disabilities.

Also received were two grants totaling \$174,209 from the Corporation for Public Broadcasting to support WMUK-FM, the University's public radio station.

Research fellowship applications due Feb. 17

Graduate faculty are invited to submit applications by Feb. 17 to the 1995-96 University Research Fellows competition sponsored by the Office of the Vice President for Research.

The annual competition offers research fellowship awards of \$10,000 to graduate students working in mentoring relationships with graduate faculty members at the University. The faculty mentors of the students selected as fellows also will each receive \$1,000 to cover project expenses.

The fellowship program was established in 1991 and is intended to improve the scholarly and research environment for both faculty and graduate students, to demonstrate the University's research capabilities and to enhance the quality and character of the academic interaction between individual faculty members and graduate students. To date, 20 fellowships have been awarded through the program.

Five fellowships will be awarded this year. Applications will be judged on the quality and significance of the proposed or continuing research, scholarship or creative work; the prospect for development of a productive mentoring relationship; the significance of the graduate student's role in the research project; the faculty member's recent scholarly and research efforts; and

Travel funds of up to \$400 available for researchers

A new program sponsored by the Office of the Vice President of Research is designed to help faculty members travel in pursuit of funding for their research or creative work.

The Faculty Research and Creative Activities Support Fund Sponsor Visitation Program has just been established. Awards of up to \$400 each are immediately available for faculty members traveling to Washington, D.C., or other sponsor locations to develop ongoing relationships with the staffs of those organizations.

The funds may be secured for a trip to: follow up on a submission that has been encouraged by an agency or denied with high marks; attend a meeting sponsored by or requested by the agency for technical assistance, proposal preview or pre-proposal submission; or pursue an opportunity with a high probability of funding in an area of strong interest at the college or institutional level.

The awards are available on a first-come, first-awarded basis and support is limited to one trip per WMU bargaining unit faculty during the fiscal year. Prior approval is required by completion of a program request form. Those forms are available through the Office of the Vice President for Research or by calling 7-8298.

Talk to compare dilemmas faced by Clinton, Roosevelt

A comparison of how the choices faced by President Clinton today are similar to those confronted by President Teddy Roosevelt nearly 100 years ago will be presented in a lecture at WMU Wednesday, Jan. 25.

Peri Arnold, professor of government and international studies at the University of Notre Dame, will speak at 3:15 p.m. in 3020 Friedmann Hall. His free lecture, titled "Teddy Roosevelt and the Dilemma of the Progressive Presidency," will be followed by a reception.

Arnold has conducted extensive research on the presidency and executive branch organization, including spending many hours in presidential archives. His 1986 book, "Making the Managerial Presidency: Comprehensive Reorganization Planning, 1905-1980," received the Louis Brownlow Award of the National Academy of Public Administration.

Arnold's presentation will draw upon his recent research on Roosevelt's naval policy. He will discuss the ways in which the dilemmas Roosevelt grappled with are similar to those found in the presidency today.

The talk is being sponsored by the Institute of Government and Politics and Department of Political Science.

the academic record of the graduate student.

Funded projects must last at least two consecutive academic semesters or sessions and be completed by the end of the spring 1996 session. Fellowship funds will be available July 1, 1995.

At the end of the fellowship year, a University forum will be convened for presentation of research findings and a monograph series of fellows' projects will be published.

Applications and additional information about the competition are available from the Office of the Vice President for Research, 314 Walwood Hall, or by calling Eileen B. Evans at 7-8283. Completed applications will be accepted by that office until 5 p.m. Friday, Feb. 17.

Gifts reported to board

The University received \$574,896 in cash gifts during October and November, the Board of Trustees learned at its Dec. 16 meeting.

October cash gifts of \$278,997 and November cash gifts of \$295,899 brought the fiscal year-to-date total of cash and deferred gifts to the University to \$1,708,615.

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

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Western News is distributed without charge to faculty and staff members, retirees and friends of the University, and is available at several campus locations.

Deadline: Items to be considered for publication should be submitted to News Services by noon Tuesday of the week of publication. Offices that receive too many copies — or too few copies — are asked to call 387-4100. WMU is an equal opportunity/employer/affirmative action institution.

Latino students and community service projects will benefit from new grant-funded program

WMU has been selected as the site of a program that will give local Latino students an opportunity to develop their leadership skills, earn a summer paycheck and help their local community.

The National Council of La Raza and the Michigan Education Opportunity Fund Inc. have chosen WMU as one of five Michigan sites for Liderazgo en Equipo de Servicio Comunitario, which means Team Leadership in Community Service. External funding for the project's first year will total \$32,350 and will come from the two groups. The Michigan Educational Opportunity Fund is one of 10 non-profit organizations in the country funded by the National Council of La Raza to promote educational advancement by Latinos and other disadvantaged groups.

For three college students and a dozen high school students, WMU's selection as a Liderazgo site will mean two summers of personal development and community service as well as a weekly paycheck. Michelle Martin de Figueroa, a Galesburg graduate student majoring in history and an assistant in the Division of Minority Affairs, will serve as WMU's site coordinator and liaison with the state coordinator. She says recruitment of college students for the project currently is taking place and the selection of high school participants will begin in February.

"The students will work together in three teams to implement community service projects that build leadership skills, foster group communication, increase self-assurance and enrich the local Latino community," she says. The teams may draw from a list of about 20 suggested community projects or develop their own community service project to implement.

Possible summer projects may include surveying local migrant populations about health needs, assembling a list of community resources and working with University officials to develop bilingual recruiting materials. The issues of gang violence, teen drug use and dropout rates in the Latino community also are among topics that might be addressed by team projects,

de Figueroa says.

Once selected for the program, the three college students will undergo leadership training. They will adapt that instruction for younger people and train the high school students after they have been selected. The high school students will be picked from applicants from Kalamazoo Central and Loy Norrix high schools.

Because the program will include community work for two summers, the college students selected will likely also be local students with existing community ties who can commit to two years of work on the project. The college students must also be enrolled with at least half-time status and meet a minimum grade point average requirement.

For more information about the project, persons should contact de Figueroa in the Division of Minority Affairs at 7-3329.

Board OKs amendments to WSA constitution

The Board of Trustees Dec. 16 approved four amendments to the constitution of the Western Student Association, including one that permits graduate students to be elected to offices in the student government.

That amendment does not eliminate the Graduate Student Advisory Committee, a standing committee of the Faculty Senate's Graduate Studies Council, WMU officials said. It does, however, assure graduate students a voice in WSA affairs in the event the advisory committee dissolves or changes its charge.

Another amendment shifts the secretarial duties of the Student Senate from its secretary to its speaker pro-tempore. It also changes the name of secretary to "chief of operations."

Another amendment reduces the membership of the Student Budget Allocation Committee by one seat to 11 seats, an odd number, to eliminate tie votes. A fourth amendment permits senators to fulfill committee obligations by serving on the SBAC, a standing committee of the WSA.

Please call the Applicant Information Service at 7-3669 for up-to-date information on the Job Opportunity Program and vacancies available to external applicants.

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

Zest for Life

It's not too late to keep that New Year's resolution of trying to improve your health. Zest for Life is offering a number of programs for faculty and staff.

The "Set Yourself Free-Stop Smoking Program" is scheduled for 5:15 to 7 p.m. Tuesdays and Thursdays, Jan. 24-Feb. 16, at the Sindecuse Health Center. This workshop will help smokers explore their relationship 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.

"Introduction to Meditation" will be offered from 5:15 to 6:30 p.m. Mondays, Jan. 30-March 20, in the International Room (205) of the Bernhard Center. Meditation has wide personal potential to calm the mind and body. It is an important ingredient in nurturing the inner life and can encourage spiritual growth. This workshop, instructed by Frank and Paula Jamison, will provide an experiential introduction to two basic meditation techniques. While the focus is not on religious practice, the workshop will draw heavily on Eastern thought and tradition. Workshop sessions will move from short meditations to full practice.

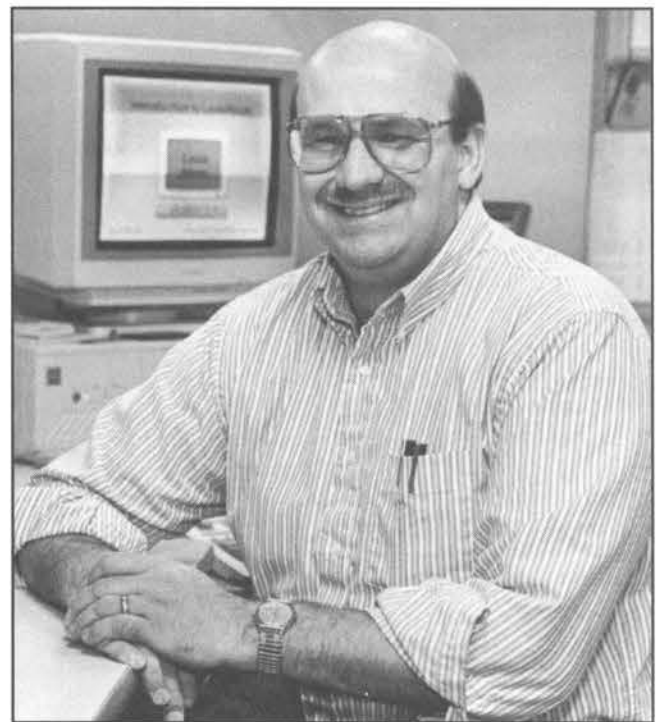
For more information or to register for the above two programs, call the Office for

On campus

KEEPING PACE WITH CHANGE — The world of computing at WMU is expanding at a rapid rate, and Bruce L. Paananen is right in the thick of it.

A programmer/analyst in University computing services, he spends his days working on a number of projects to make computing more accessible to the University community. One of the major areas is providing support for enabling technology — adapting computers to make them accessible to the handicapped. "Most of what we work with is software or hardware that enlarges text

or produces a voice that reads the text on screen," Paananen says. He's also involved in supporting faculty use of computer-aided instruction in the classroom. He's working on a project to computerize the large lecture halls on campus, adapting software so that faculty members can make presentations from a computer located at a podium. Other parts of his job include serving as a contact point for Lexis and Nexis on campus. The service, which provides access to some 800 databases covering law, medicine, newspapers and magazines, is available to faculty members and students for projects related to instruction. Paananen is also part of a team investigating how to make the new World Wide Web work on campus. Paananen, who has worked at WMU for 13 years, says he enjoys being part of all the changes that come with computing. "A year ago, we hadn't envisioned anything like the Web," he says. "I like being part of the continual change and growth of computing and computer users. It's exciting to see people move beyond word processors." Paananen holds both a bachelor's degree in computer science and a master of business administration degree from WMU. He keeps in shape by swimming five mornings a week at Gabel Natatorium and by playing golf when the weather's a little nicer.



Libraries

BusinessNews, Business Dateline, Environmental Sciences & Pollution Management, GEOBASE and MDX Health Digest have joined the growing list of reference resources available to the University community through FirstSearch, the online reference system hosted by the University libraries.

BusinessNews, with its brief summaries of two week's worth of news items, is updated each week day, providing a timely source of industry, business and company news. Another business resource, Business Dateline, provides citations to more than 180 newspapers, city business magazines and wire services in the United States and Canada.

Environmental Sciences & Pollution

Health Promotion and Education in the Sindecuse Health Center at 7-3263.

Those geared up for a little more strenuous activity might consider the "Total Fitness-Aerobics" classes from 12:05 to 12:50 p.m. Tuesdays and Thursdays in the Kiva of the Faunce Student Services Building; or from 5:15 to 6:15 p.m. Tuesdays and Thursdays or Mondays, Wednesdays and Fridays in Room 16 of Oakland Gymnasium. In addition, the "Chair Exercise" class is back with a new instructor, Rachel Zimmer, graduate assistant, and a new location, the Kiva of the Faunce Student Services Building. We encourage employees of all ages to try this invigorating stretching class as a mid-day stress break.

"Swim Technique and Conditioning" is taking place from 12:05 to 12:50 p.m. Mondays and Wednesdays at Gabel Natatorium. This new and unique adult swim program is designed to work with your skill level to improve stroke technique or to teach new skills. The instructor individualizes the lessons to meet the specific needs and goals of the participants.

WMU employees and spouses are encouraged to join in the fun of the 1995 Kalamazoo Corporate Games (previously called Corporate Olympics). This year's event is scheduled for Sept. 15-16. Contact Zest for Life at 7-3262 if you would like to be placed on the 1995 mailing list (1994 participants are already on the list).

Management covers key areas of environmental sciences, including toxic hazards of chemicals, pharmaceuticals and other substances; air, marine and freshwater pollution; and biochemical applications in water treatment.

The worldwide literature on geography, geology, ecology, international development and their related disciplines is covered from 1980 to date in the GEOBASE database. Subject coverage includes such areas as cartography, climatology, energy, environment, hydrology, meteorology, geophysics and much more.

The new MDX Health Digest, updated monthly, contains an abstract with a full citation of health articles written in language suitable for the general public. Created and edited by health-care professionals, MDX helps to meet the increasing demand for health information.

For more information on available databases, contact the University libraries' reference staff.

Human resources

Stress management seminar planned

Too much stress in your life? Help is on the way!

Mark your calendar for noon to 1 p.m. Thursday, Feb. 9. The Department of Human Resources is sponsoring a brown bag lunch-hour stress management seminar in the Bernhard Center. Watch for more information next week — and sign up early!

Media

Ronald W. Davis, chairperson of history, discusses new views of world history on "Focus," a five-minute interview produced by news services. "Focus" is scheduled to air Saturday, Jan. 21, at 6:10 a.m. on WKPR-AM (1420).

Exchange

ROOMMATE WANTED — Looking to share beautiful two-bedroom apartment in historic district on South Street with responsible, liberal-minded, non-smoking roommate. Available March 1. Call J.L. at 390-0471.

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 should submit a job opportunity transfer application or sign the appropriate bid sheet during the posting period.

S-01 and S-02 clerical positions are not required to be posted. Interested University employees may contact an employment services staff member for assistance in securing these positions.

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.

(N) **Research Associate** (Term Ends 11/30/97), Q-01, Social Work, 94/95-247, 1/17-1/23/95.

(R) **Benefits Specialist**, P-03, Human Resources, 94/95-286, 1/17-1/23/95.

(R) **Secretary III**, S-06, King/Chavez/Parks Program, 94/95-288, 1/17-1/23/95.

(R) **Coordinator** (Term Ends 9/30/95; Possible Renewal), P-03, King/Chavez/Parks Program, 94/95-289, 1/17-1/23/95.

(R) **Utility Food Worker**, F-1, Dining Services, 94/95-291, 1/17-1/23/95.

Obituary

Edwin C. "Eddie" Powless Sr., retired from transportation services, died Jan. 1. He was 83.

Powless worked for the University for 33 years, retiring in 1975. The short road between Stadium Drive and Oakland Drive near the physical plant was named "Eddie's Lane" in his honor.

A resident of Otsego, Powless was an avid fan of WMU's baseball team and was a member of the Dugout Club.

Memorial contributions may be made to the United Methodist Church of Otsego Building Fund.

Calendar

Thursday, January 19

(thru 31) University libraries display on the life and work of Martin Luther King Jr., third floor rotunda, Waldo Library, Mondays thru Thursdays, 7:45 a.m.-midnight; Fridays, 7:45 a.m.-10 p.m.; Saturdays, 8 a.m.-10 p.m.; and Sundays, noon-midnight.

(thru Feb. 28) Exhibition, quilts and stitchery by Lethonee A. Jones, emerita in social work, Department of Human Resources, 1240 Seibert Administration Building, weekdays, 8 a.m.-noon and 1-5 p.m.

(thru 26) Exhibition, three photographers: Liz Birkholz, Seattle, and Gloria DeFilipps Brush, Duluth, Minn., Gallery II, Sangren Hall, weekdays, 10 a.m.-5 p.m.; and Tatana Kellner, Kingston, N.Y., Space Gallery, Knauss Hall, Mondays thru Thursdays, 10 a.m.-4 p.m.

University Film Committee showing, "Jit" (Zimbabwe, 1993), directed by Michael Raeburn, 2750 Knauss Hall, 6 and 8 p.m.

Friday, January 20

Meeting, Budget and Finance Committee of the Board of Trustees, 204 Bernhard Center, 10 a.m.

Meeting, Academic and Student Affairs Committee of the Board of Trustees, 204 Bernhard Center, 10:15 a.m.

Meeting, Board of Trustees, Board Room, Bernhard Center, 11 a.m.

Graduate Student Advisory Committee Evening Forum Series, Lee Honors College, 7 p.m.

*Performance, Academy of St. Martin in the Fields, Iona Brown, artistic director, Miller Auditorium, 8 p.m.

*(thru 22 and 26-28) University Theatre production, "Shakin' the Mess Outta Misery," Shaw Theatre: Jan. 20-21 and 26-28, 8 p.m.; and Jan. 22, 2 p.m.

Saturday, January 21

*Women's basketball, WMU vs. Kent State University, University Arena, 2 p.m.

Sunday, January 22

Student recital, Krista McNally, violin, Dalton Center Recital Hall, 1 p.m.

Women's gymnastics, WMU vs. Eastern Michigan University, University Arena, 2 p.m.

Tuesday, January 24

*Breakfast program for alumni and friends, "Study Abroad: Students' Stories About Their International Experience," Christina Sonnevile, international affairs, and three students, Fetzer Center, 7:15 a.m.; call 7-8777 for reservations.

Meeting, Administrative Professional Association, featuring speech by State Sen. Dale L. Shugars, 157-159 Bernhard Center, noon.

Faculty development services program, "Cooperative Learning is a 'Natural' for the Natural Sciences," Gyula Ficsor, biological sciences, 243 Bernhard Center, 3:30-5

New service available at Fetzer Center helps make meetings more productive and efficient

It's a typical strategic planning meeting at the S.S. Widget Co. The dominant person on the staff is monopolizing the conversation, while the new employee with some innovative ideas hesitates to speak up.

Can this meeting be saved?

It could with the help of a new service now available through WMU's Fetzer Center. The center, which has offered training programs and meeting facilities to businesses and organizations in Southwest Michigan for more than 10 years, has acquired a software package called "Group Systems V" for use in its computer laboratory. The software, manufactured by the Ventana Corp. of Tucson, Ariz., is ready to provide consensus driven support for all types of meetings conducted at the center.

The center's laboratory has a network of 12 personal computers. The software enables 12 users to conduct a meeting "electronically" using a variety of tools to brainstorm, generate solutions and vote on options.

The process usually begins with a facilitator posing a question or stating a problem and asking for responses from the participants. All 12 users begin keyboarding their ideas. A primary advantage of the system is that information is being processed simultaneously.

"It's like having 12 people in a meeting all talking at the same time," says Richard P. Atwell, Fetzer Center. "The information flow is astounding and the time saved is amazing."

During a traditional one-hour meeting in which only one person can talk at a time, each person in a group of 12 might get an average of five minutes to speak. With the new software, each participant gets a full 60 minutes to speak. In test sessions at the Fetzer Center for such activities as brainstorming, groups have logged some 100 ideas in 15 minutes.

Another advantage of the software is that anonymity and confidentiality are preserved. Users can see other participants' responses on their own screens and on a large screen in front of the room, but they don't know who is writing the information.

This feature is particularly attractive for meetings with people from different layers of the hierarchy, Atwell says, because all users can speak with the same authority. It also eliminates a common occurrence at meetings—20 percent of the people speaking 80 percent of the time.

"One opinion won't prevail just because it's stated the loudest," Atwell says. "And the people who wouldn't normally speak up because they're shy or intimidated will feel more comfortable participating."

After generating ideas, the facilitator can lead the group through a variety of exercises to reach a consensus. They include categorizing ideas so that like thoughts are placed together as well as voting on options. Using the voting tool, the facilitator could ask for such responses as a straight yes/no, a prioritized ranking or a distribution of points between options.

Following the meeting, the organization is provided with a record of the meeting both on paper and on disk. Because the record is generated from the software, all responses—even ideas that were changed or discounted—are preserved. The Fetzer Center then purges the record from its system to maintain the privacy of the participants. However, those who want to return at a later date and start where they left off can do so by furnishing the disk.

Software packages such as "Group Systems V" have been around since the 1980s and have been successfully used by such businesses as IBM, Ford, Boeing and Price Waterhouse to conduct meetings and build consensus. Staff members at the Fetzer Center believe their laboratory is one of the few such facilities available in Southwest Michigan.

"This ability to offer groups a technologically advanced way to conduct meetings falls within the mission of the Fetzer Center as a leader in meeting facilities," says T.J. Petropoulos, Fetzer Center. "It's becoming increasingly difficult for groups from organizations and businesses to get away from the office to conduct such important exercises as strategic planning. This avenue offers people an opportunity to accomplish more in a shorter period of time."

Rates for the service vary depending on the complexity of the meeting and the amount of the time involved. In addition to the laboratory and the equipment, the center offers the services of a facilitator. This person meets with the client before the session to assess needs and develop a plan to meet those needs.

For more information on the service, persons may call the Fetzer Center at 7-3232.



JANUARY JAVA AND JAZZ — From left, sophomores Amy Ostrowski of St. Clair Shores, Kara M. Paluzzi of Detroit and Amy Flanegen of St. Clair Shores grabbed a cup of brew and some music too during the January Java and Jazz program sponsored by Bernhard Center programming, the Center Board and Lorico's Coffeehouse this month. The special features five free concerts by jazz performers on the Bronco Mall Center Stage and 99-cent mochas from Lorico's. Here, the Groov'tet, a student combo, performed during a Jan. 10 program. Remaining concerts are scheduled with "Sophisticated Larry" at noon Friday, Jan. 27, and with GCII at 5:30 p.m. Sunday, Jan. 29.

p.m.; call 7-5305 to register.

Physics colloquium, "The Interactions of High-Energy Highly Charged Ions with Buckyballs," Don Gemmell, Physics Division, Argonne National Laboratory, 1110 Rood Hall, 4 p.m.; refreshments, 2202 Everett Tower, 3:30 p.m.

Graduate recital, choral conducting students, Dalton Center Recital Hall, 5 p.m.

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

*Dalton Series concert, Empire Brass Quintet, Dalton Center Recital Hall, 8 p.m.

Wednesday, January 25

School of Music Convocation Series concert, Empire Brass Quintet, Dalton Center Recital Hall, 2 p.m.

Institute of Government and Politics lecture, "Teddy Roosevelt and the Dilemma of the Progressive Presidency," Peri Arnold, professor of government and international studies, the University of Notre Dame, 3020 Friedmann Hall, 3:15 p.m.; reception following.

Department of Economics lecture-seminar series on "The Economics of Rich and Poor: The Political Economy of Income Redistribution": "Regional and Subgroup Differences in Poverty and Inequality," John Formby, the James Patrick and Elizabeth Brannan Hayes Professor of Economics and Political Science, the University of Alabama, 170 Wood Hall, 8 p.m.

Thursday, January 26

University Film Committee showing, "The Last Days of Chez Nous" (Australia, 1993), directed by Gillian Armstrong, 2750 Knauss Hall, 6 and 8 p.m.

Faculty and guest artist recital, Wendy Rose and Jethro Woodson, both bassoon, Dalton Center Recital Hall, 8 p.m.

*Admission charged

Jeremy earns award for outstanding service

M. Jamie Jeremy, alumni relations, has received the 1994 Distinguished Service Award from District Five of the Council for Advancement and Support of Education.

She was presented with the district's highest honor at its annual conference in Chicago this past December in recognition of her long-term commitment to improving the educational advancement profession.

Jeremy served as district treasurer and board member for three years and also was a member of the conference committee for three years. She chaired the organization's financial review committee four times.

She has been a presenter at several CASE conferences, both within the district and across the country. For three years, she was



Jeremy

a faculty member at the CASE Summer Institute in Alumni Administration and served as the institute's chairperson for one year.

A WMU staff member since 1973, Jeremy earned her bachelor's degree from Alma College. She also is executive director of the WMU Alumni Association. A founding member of the Council of Alumni Association Executives, she is serving a three-year term on its board of directors.

CASE is a national organization comprised of some 14,000 professionals in the fields of alumni relations, communications and philanthropy representing about 2,900 colleges, universities and independent elementary and secondary schools. District Five includes institutions in Indiana, Illinois, Michigan, Minnesota, Ohio and Wisconsin.

EPA

(Continued from page one)

find the most effective, economical and cleanest way to turn the office paper into print stock.

"If we cannot do it entirely with recycled product, we will add some virgin hardwood and softwood to the pulp," Shriver says, "but I really think we're going to be able to do it with just the mixed office paper."

In all, Shriver and his fellow researchers expect to produce three grades of publication quality paper starting with #5, the lowest and one typified by the newsmagazines. The highest grade paper to be produced, a #3 grade, would be brighter, would possess better optical qualities and would typically be used in such publications as annual reports.

Senate

(Continued from page one)

to correct registration errors and not to allow students to evaluate a course or professor.

For the current semester, students could add courses; make changes in credit type, level or hours; and drop courses with full refund up to 7 p.m. on Jan. 6; classes dropped Jan. 7-10 were not recorded but no refund for a decrease in credit hours was allowed; classes dropped between Jan. 11 and Feb. 24 are recorded as a withdrawal and there is no refund.