

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

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Federal grant is largest in WMU history

\$6 million project to transform secondary mathematics teaching and learning

A federal grant for nearly \$6 million to the University — the largest in WMU history — will fund a five-year, multi-university effort to completely revamp high school mathematics and the way it is taught in the United States.

The National Science Foundation has already awarded \$1,085,728 for the first year of work of the Core-Plus Mathematics Project (CPMP), a joint undertaking of development teams from WMU, the University of Michigan, Ohio State University, the University of Maryland and the University of Iowa. The project's budget for the next four years is \$4,872,600.

Christian R. Hirsch, mathematics and statistics, is directing the project with Arthur F. Coxford Jr. of the University of Michigan. The project, which officially began Sept. 1, is housed on and managed from WMU. The CPMP is the second major federally-funded education reform effort to be based at WMU. In October 1990, the U.S. Department of Education awarded \$5.2 million over five years to fund CREATE — the Center for Educational Accountability and Teacher Evaluation.

"A grant of this magnitude and significance recognizes our University's lead role in addressing the nation's education needs," said President Haenicke. "It reflects the growing national reputation of our mathematics education faculty and allows them to build on years of experience in finding new ways to meet the changing demands of both the workplace and the college classroom."

The aim of the Core-Plus Mathematics Project is to develop, test and nationally



GRANT ANNOUNCEMENT — Announcing the largest grant in University history under the glare of television camera lights at a news conference Oct. 1 were, from left, Donald E. Thompson, vice president for research; Christian R. Hirsch, mathematics and statistics; and Provost Nancy S. Barrett. Hirsch will co-direct the nearly \$6 million grant from the National Science Foundation over the next five years. The project is expected to revamp high school mathematics and the way it is taught in the United States.

disseminate a three-year high school mathematics curriculum designed to embrace the use of technology and erase the traditional tracking of students by curricular goals and narrow perceptions of ability. Development of a fourth-year course is planned to address the differing post-secondary needs of students. The curriculum will each year weave together four major strands: algebra and func-

tions; statistics and probability; geometry and trigonometry; and discrete mathematics, which includes topics such as graphs and networks and algorithm design.

With such a curriculum in place, Hirsch says, all students would have the opportunity to investigate the same mathematical topics in classes organized in a manner similar to high school science laboratories. Gathering data, searching for patterns, making and testing conjectures, and reporting and applying verified principles would be commonplace in such classes. Mathematics would be taught as a process for solving problems in context rather than as a collection of rules to be memorized.

The focus would be on mathematical thinking and communication instead of simply manipulating numbers and equations. Students would learn that certain concepts and methods are important, not through isolated drill and repetition, but because they occur over and over again as mathematics is applied to realistic problems. Students in the

classroom would have access to computers or the latest calculator technology to perform the mechanics of problem solving.

"I can envision mathematics classrooms in which youngsters seldom or never ask, 'Why do we have to learn this?'" Hirsch says. "Classrooms will become communities where students work on interesting and challenging problems in small cooperative teams. Learning will be in the context of making sense of the world in which they live. The new curriculum will represent a shift away from mathematics as a fixed body of seemingly arbitrary rules and isolated procedures toward the notion that the world is rich with patterns involving quantity, shape, chance and change and mathematics is a way to understand and express those patterns."

Collaborating with Hirsch at WMU is James R. Flanders, mathematics and statistics, who will be a primary editor of the student and teacher materials and will oversee production of the pilot-test materials. They are assisted by a cadre of graduate students and area teachers. The logistics and financial management of the project are being handled by Mary Morgan, formerly a mathematics instructor at WMU.

Project staff will work with representatives from Glencoe, a division of Macmillan/McGraw-Hill, the world's largest publisher of secondary school textbooks, and the design staff of Texas Instruments (TI), a leading manufacturer of computers and graphics calculators. Besides the usual arithmetic features, graphics calculators enable students to graph functions, solve equations graphically, perform statistical analyses, and display data in bar charts or other plots. Glencoe is interested in publishing the materials the researchers produce, and TI may use information from the project in developing the next generation of graphics calculators.

Technology, Hirsch says, makes more mathematics accessible to more students and enables the majority of students to literally "see" further into mathematics. Graphics calculators, in particular, he says, allow students with limited paper-and-pencil skills to visualize and solve significant problems. In the past the lack of manipulative skills has

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Haenicke announces plans for 'mini-sabbatical' to focus his energy on internal University affairs

With the largest capital campaign in the University's history behind him, President Haenicke told the Board of Trustees Oct. 5 that he would like to use the next two and a half months to concentrate on internal affairs at the University.

Calling it a "rejuvenation of my presidency," Haenicke asked the board's permission for a "mini-sabbatical" to focus his attention on three primary areas: reviewing undergraduate teaching and curriculum; starting a Total Quality Management program; and consolidating institutional research and strategic planning efforts.

"I have been in the harness at this University for seven years, and I think that during the last years I have devoted an enormous amount of time to the campaign," he said. "I personally consider the conclusion of the campaign and the results of the campaign one of the greatest accomplishments in my professional career in the administration."

The University closed the books on its

President's open office hours set for Thursday, Oct. 15

President Haenicke will conduct open office hours from 10 a.m. to noon Thursday, Oct. 15, to provide students, faculty and staff members with the opportunity to stop by and visit with him on any topic of concern.

Haenicke plans to be available in his office, 3060 Seibert Administration Building.

Individuals may visit without making an appointment and will not be restricted in time unless others are waiting. In that case, a time limit of 10 minutes will be imposed.

Persons may call the Office of the President at 7-2351 to make sure Haenicke is on campus prior to visiting during the allotted time.

"Campaign for Excellence" Sept. 25 after raising more than \$62 million — exceeding the \$55 million goal by 12.9 percent and beating the target completion date by 15 months.

"Very substantial effort in those years has gone to dealing with constituencies outside the institution by the very necessity of such a campaign," Haenicke said. "It is, therefore, my intent to devote a concentrated period during the next several months to the inside affairs of the University."

"I would like to meet for the next several weeks with as many students, staff members, faculty members, alumni and friends of the University as possible to see whether we can't get started again on a planning effort for the institution that shows us the way for the next medium range phase," he continued. "While we all want to and should plan for the next decades, and we do that in a way, I am concerned with the next several years that lead us to the end of this decade."

In 1987, Haenicke said he put before the faculty a challenge to review and restructure the undergraduate curriculum. "We had great plans for a rejuvenation of the institution with a reframing of our undergraduate educational programs," he said. "I now want to put my personal efforts behind that."

His second area of focus will be getting involved in the implementation of a Total Quality Management program on campus. "I want to devote as much time as I can find to meet with constituent groups on campus, to discuss this concept and to see whether we can't all buy into this jointly," he said.

Haenicke also wants to follow through on a plan announced earlier this year to consolidate the University's institutional research

(Continued on page four)

United Way drive under way with \$147,400 goal

\$147,400 is the goal for this year's Greater Kalamazoo United Way drive on campus, which began Oct. 7 and runs through Oct. 30.

"This short time frame means that we will have to respond promptly to the call to give; but, given our past record of participation, I am confident we will achieve this year's ambitious goal," said President Haenicke in a letter sent to employees and endorsed by employee group leaders.

This year's amount is a 5 percent increase over last year's target of \$140,400. The University actually raised \$150,335 last year for the local United Way, which supports nearly 60 agencies that provide human services to thousands of individuals and families in Kalamazoo County each year.

Fund-raisers from University departments gathered for breakfast Oct. 7 in the Bernhard Center to kick off the campaign. They heard from representatives of two United Way agencies, and also saw this year's campaign videotape, which was produced locally and features community residents as well as narration by Von H. Washington, theatre.

"I am asking everyone in the Western family to pledge their support; my personal hope is for us to reach 100 percent participation," Haenicke

said in the letter. "We have a fine history of giving at our University, and I want to thank all of you who have given so generously in the past. For those of you who have not participated in the past, I ask you to consider making a campaign contribution this year."

He pointed out that because United Way agencies address a broad range of vital community needs, one in three Kalamazoo county

residents will benefit from their services.

"Western's active support of this community effort helps to underscore the concern and pride we have for members of the Kalamazoo community," Haenicke said. "I hope that you will join with me in supporting the United Way and in helping to make our campaign a success."





MOWING A MESSAGE — The landscape services division of the physical plant is showing its spirit this fall by carving a "WMU" into the grass near the intersection of Valley Drive and Rankin Avenue. Groundskeeper Linda J. Young-Woolf, right, came to her supervisor Sally J. Seedorff, left, with the idea after seeing a sculptured grass design near M-43 and Almena Drive made by Norman E. Slack, emeritus in consumer resources and technology. The two took the University signature and blew it up to 100 by 27 feet. They layed out the design with string on the side of the hill, and then cut the "WMU" with a regular household mower set at the highest level and the surrounding grass with the mower set at the lowest level.

Homecoming will celebrate best in community

WMU alumni, students, faculty, staff and friends this year will salute "The Wonderful World of Western" during the University's week-long Homecoming celebration Oct. 11-17. The theme for this year has been chosen to celebrate the best in the WMU community.

Prize money will be awarded to student groups who receive the most points while competing in several events during a week-long spirit competition.

Other events will include:

- a gospel concert at 3:30 p.m. Sunday in the Dalton Center Recital Hall.
- an international festival from 4 to 6 p.m. Sunday in the South Ballroom of the Bernhard Center.
- a presentation titled "Columbus: The Myth, the Legend, the Reality" at 7 p.m. Monday in the Dalton Center Recital Hall.
- "noonz tents" from 11:30 a.m. to 1 p.m.

Pulitzer Prize-winning author to present seminar, reading

Pulitzer Prize-winning author Alison Lurie will speak at the University Monday, Oct. 12, as part of the Visiting Scholars and Artists Program.

She will read from her work at 8 p.m. in 3750 Knauss Hall. She also will present an informal session on children's literature at 1:30 p.m. on the 10th floor of Sprau Tower. Both events are free and open to the public. Lurie's visit to the campus was originally scheduled for last February, but was postponed due to illness.

Lurie is the author of several novels, including the 1984 book "Foreign Affairs," which won the Pulitzer Prize.

In addition to writing fiction, Lurie teaches courses in narrative writing, folklore and children's literature at Cornell University as a professor of English. She has written three books for children and a 1990 series of essays about the classic works in the genre, "Don't Tell the Grown-ups: Subversive Children's Literature."

Her visit is being coordinated by the Department of English. For more information, persons may contact Norman E. Carlson, English, at 7-2633.

Wednesday through Friday outside near the Bernhard Center, Kruglak sundial, Miller Auditorium plaza and Haworth College of Business building.

- a 30th anniversary celebration of the founding of the Epsilon Xi chapter of Alpha Phi Alpha fraternity from Friday through Sunday at the Radisson Plaza Hotel. A 6:30 p.m. Saturday dinner at the Bernhard Center will feature a speech by former Michigan Supreme Court Justice Dennis W. Archer, a WMU alumnus and founding member of the fraternity.

- the annual Homecoming parade, starting at 10 a.m. Saturday and traveling from the steps of Kalamazoo City Hall down Lovell Street, up West Michigan Avenue and to the Sangren Hall parking lot.

- the annual Alumni Association Brunch Buffet from 10:30 a.m. to noon Saturday in the East Ballroom of the Bernhard Center.

- the Homecoming football game against Eastern Michigan University at 1 p.m. Saturday in Waldo Stadium.

- the Distinguished Alumni Awards Dinner at 6 p.m. Saturday in the Fetzer Center.

See the calendar on page four of *Western News* this week and next week for times, dates and locations. For more information, persons also may contact the McKee Alumni Center at 7-8777 or the Office of Student Life at 7-2115.

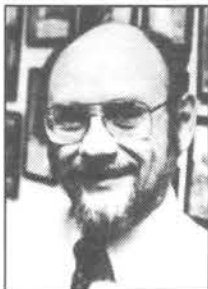
Child development expert will discuss views on children and violence, multicultural education

An internationally recognized expert on child development whose current research focuses on children and community violence will speak at WMU Tuesday and Wednesday, Oct. 13-14.

James Garbarino, president of the Erikson Institute for Advanced Study in Child Development in Chicago, will present a lecture and a seminar. His lecture, titled "Children in Danger: Coping with Community Violence," is scheduled for 7:30 p.m. Tuesday in 2303 Sangren Hall. The seminar will center on "Multicultural Education and Liberation Pedagogy" and will start at 10:15 a.m. Wednesday in the Red Rooms of the Bernhard Center.

Both events are free and open to the public. They are sponsored by the Visiting Scholars and Artists Program.

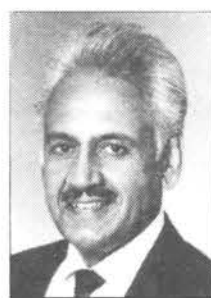
In his public lecture, Garbarino will discuss children's experiences with violence in crime-infested neighborhoods, how they cope and the cost to their minds and spirits. In 1991, he undertook missions for UNICEF to assess the impact of the Gulf War upon children in Kuwait and Iraq. Earlier this fall, Garbarino told persons attending a confer-



Garbarino

Sharma to receive Distinguished Service Award

A WMU faculty member credited with bringing a greater understanding of Third World cultures to the WMU and Kalamazoo communities has been selected to receive this year's Distinguished Service Award.



Sharma

Visho Sharma, science studies, will be honored at the University's 13th annual Academic Convocation at 3 p.m. Monday, Nov. 2, in the Dalton Center Recital Hall. He was selected from campuswide nominations based on such criteria as: service through innovative and effective programs; service in areas that contribute to the growth and stature of the University; and service that extends the impact and presence of the University into the larger community.

He will be presented with a plaque and a \$1,500 honorarium. In addition, \$1,000 will be added to his base salary.

A native of Kenya, Sharma came to WMU in 1967 as a visiting professor of social science and sociology. The next year, he permanently joined the social science and sociology faculty at WMU and also began coordinating the non-Western world course in the former College of General Studies. In 1965, the University was one of the first institutions of higher education in the country to require the study of non-Western cultures as part of its general education program.

Sharma continued coordinating that area through 1984, developing a multi-course program of non-Western world studies. At one point, the "Introduction to the Non-Western World" course had an enrollment of more than 2,500 students per year and, over the years, was served by some 70 instructors.

"Long before multiculturalism and ethnic diversity became fashionable concepts in this country, Dr. Sharma was working in the vanguard on numerous initiatives, both on and off campus," said one colleague in nominating him for the award. "... Both through personal example and leadership, Visho has significantly contributed to greater justice

Faculty Senate to meet tonight

A report and recommendations regarding the curriculum review process is on the agenda for the Thursday, Oct. 8, meeting of the Faculty Senate. The meeting will begin at 7 p.m. in the Fetzer Center.

Other agenda items including remarks by President Haenicke, information on the Master Spirit Plan for 1992-93 and a presentation on indirect cost recoveries.

ence of the World Association for Infant Mental Health that children raised in the chronic violence of America's inner cities fare even worse than those growing up in a war zone.

"In war ... you know who the enemy is, there is some prospect for peace, and you tend to have more complete families ... facing the trauma together," he said in a story distributed by the Associated Press. "Children in chronic community violence in the United States' urban war zones tend to come out on the short end on most of those dimensions."

Garbarino has written several books based on his research, including "No Place to Be a Child: Growing Up in a War Zone" (1991) and "Children in Danger: Coping with the Consequences of Community Violence" (1992).

He has served as a consultant to a number of organizations, such as the National Committee for the Prevention of Child Abuse, the National Institute for Mental Health, ABC-TV's "Good Morning, America" and Newsweek magazine. This year, he received the Society for Psychological Study of Social Issues prize for research on child abuse.

Garbarino's visit is being coordinated by the Department of Education and Professional Development. For more information, persons may contact Rachel M. Inselberg in that department at 7-3504.

for minorities, including their share in the governance of WMU."

From 1984 to 1989, Sharma was head of a multidisciplinary unit as chairperson of the general studies faculty. When the College of General Studies was dissolved in 1989, Sharma became a faculty member and the non-Western world coordinator in the Department of General Studies (now the Department of Science Studies) in the College of Arts and Sciences.

In addition to participating in departmental and college policymaking, Sharma has had a hand in University governance through the Faculty Senate. He has been active in the group since 1974. Sharma was the senate's recording secretary and on its executive board in 1977-78. He also has chaired numerous councils and committees. Presently, he is serving as the Faculty Senate's vice president.

As a teacher, Sharma has been recognized by his students for his classroom skills and for his concern for their welfare. In 1982, he received the University's Alumni Teaching Excellence Award. In 1991, he earned the inaugural Professor of the Year Award from the WMU Inter-Fraternity Council and the National Panhellenic Council. He has been an adviser to the Kalamazoo African Students Association and the WMU Indian Students Association. In addition, he has participated in WMU's Minority Mentor/Mentee Program since its inception.

In the community, Sharma has been active in the Kalamazoo YMCA and Rotary. He has been responsible for bringing numerous speakers and artists from other cultures to Kalamazoo. For several years, he ran the Kalamazoo Cricket Club, introducing that sport to the local community.

Sharma conducted two Africa seminars and global tours as well as other student groups to East Africa, and was repeatedly invited to present to his overseas audiences an analysis of America's changing culture. In addition to addressing both national and international forums on a variety of Third World and American minorities issues, Sharma chairs the international Research Committee on the Punjab.

"His service has been unique," said another colleague in nominating him for the award. "He has given himself in many ways to reflect his special position. To many foreign students, he has been 'a father' and a mentor in assisting their adjustment to a strange culture. To his colleagues, he brought with him a style, a pride and authenticity reflective of the Third World. To the program of the non-Western world, Visho brought a leadership and wealth of information. To our community, he taught respect for cultures outside our narrow vision. As a colleague and friend I learned much of non-Western culture from him. His presence and knowledge have penetrated the University for the length of his career."

Sharma is the author of several books, including "Introduction to the Non-Western World," "Developing Societies: Africa and Asia" and "Life and Society in Africa and Asia."

Workshop planned for Oct. 9 on teaching in the age of AIDS

The University HIV/AIDS Education and Prevention Committee in conjunction with the Office of Faculty Development Services will sponsor a half-day workshop on AIDS and AIDS education for faculty members Friday, Oct. 9.

The workshop, titled "A Generation at Risk: Teaching College Students in the Age of AIDS," will be from 8:30 a.m. to 12:15 p.m. in Red Rooms B and C of the Bernhard Center.

Donald Batts, infectious diseases consultant and physician/scientist/clinical research manager at the Upjohn Co., will provide an update on the disease. A presentation led by faculty members and student peer educators on AIDS education courses and resources at WMU will follow.

Then three young adults infected with HIV will share their experience with the disease as representatives of Kalamazoo AIDS Resource and Education Services. More information is available by calling faculty development services at 7-5305.

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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.

Parfet to be recognized with honorary degree for volunteer leadership in WMU fund raising

William U. Parfet, president of the Upjohn Co. of Kalamazoo, will be awarded an honorary doctor of public service degree by WMU during a future commencement ceremony.

President Haenicke's recommendation to honor Parfet was approved Oct. 5 by the Board of Trustees.

Under the volunteer leadership of Parfet, who served in dual capacities as chairperson of the WMU Foundation and its "Campaign for Excellence," the University concluded its largest ever fund-raising effort Sept. 25 some 15 months early by raising more than \$62



Parfet

million — exceeding its \$55 million goal by 12.9 percent.

Parfet has served as a director of the WMU Foundation since 1985, as its vice chairperson from 1986 to 1989 and as its chairperson since 1989. In 1986, he was recognized as one of the University's outstanding fund-raising volunteers with his induction into the WMU Foundation's Academy of Volunteers. He and his wife, Barbara, are members of the President's Club of major donors to the University.

Parfet received his bachelor of arts degree with honors from Lake Forest College and a master of business administration degree in international finance from the University of Michigan. He serves on a variety of corporate and charitable nonprofit boards of directors and is chairperson of the CEO Council of Kalamazoo.

WMU again cited in U.S. News College Guide

For the third consecutive year, WMU is among the top 204 national universities cited in the 1993 College Guide of America's Best Colleges compiled by U.S. News and World Report.

Rankings were determined from data for

each of five attributes: reputation, selectivity, faculty resources, financial resources and student satisfaction.

President Haenicke is very pleased with WMU's ranking. "We're easily in the top 10 percent and that's not just among regional universities. We're among the top national universities," he observed. "That's an important distinction because much of our history has been as a very fine regional university with very fine traditions. Now, we are serving a broader goal, mission and student body that includes a record number of 1,656 international students from 81 different foreign countries."

Among Michigan and Mid-American Conference universities, the University of Michigan was ranked 24th among the national institutions and joining WMU in the "Best of the Rest" are Miami of Ohio, Michigan State, Ohio U., Wayne State, Ball State, Bowling Green, Kent State, Akron and Toledo.

New Enabling Technology Center schedules two events for Investing in Abilities Week

WMU's new Enabling Technology Center (ETC) will coordinate two events as part of Investing in Abilities Week, the Oct. 11-17 statewide celebration focusing on the abilities and contributions of persons with disabilities.

The new center will serve as a host site and the campus will be featured in a statewide video teleconference on "Enabling Technology: Michigan Resources" that will be broadcast from noon to 1:45 p.m. Tuesday, Oct. 13, in the Merze Tate Conference Room, 3210 Sangren Hall. The teleconference also will be broadcast live on Kalamazoo Community Access, Channel 32, and on WMU's Educable, Channel 7.

An "Enabling Technology Show and Tell" session is set for 11 a.m. to 2 p.m. Friday, Oct. 16, in the lobby of the Bernhard Center. Sponsored by the ETC, the session will feature live demonstrations of various enabling technology devices such as augmentative communication systems for persons who cannot speak, text enlargement screens for computers and alternative keyboards. The demonstrations will be conducted by faculty, staff and students.

According to Christine M. Bahr, special education and director of the ETC, the week-long observance is a good opportunity to introduce the new center to the campus. The center is one of three "Centers for Excellence" established after a spring funding competition designed to encourage basic and applied research projects that will make the University more competitive in the development of new technologies and products.

"We are hoping that our activities during the week will make people aware of the center and the kinds of technology we're going to be addressing in our research, service and training activities," Bahr says. "I'm not sure most people really know what enabling technology is."

The video teleconference, which will originate from Michigan State University, will include information on assistive technologies that can be used in the workplace, new technologies and opportunities for individuals with disabilities, and information on Michigan resources. A five-minute video

On campus



sponsored by the Department of Human Resources and the Administrative Professional Association.

BALANCING THE BOOKS — With all the construction taking place on campus, Joanne Alexander, manager of plant accounting, has her hands full. She's in charge of monitoring the construction in progress to make sure the financial accounting is legitimate and to try to help the projects come in under budget. "Recently, we've been busy with the recreation facility," she says. "At least 16 different cost centers are involved because it's such a big project." Alexander supervises two other employees who handle such tasks as the equipment inventory system, in which all equipment valued at \$500 or more is tagged with a number. "I like working with numbers and making things balance," says Alexander, who has a bachelor's degree in accountancy from WMU. "Plus, the staff here is just great!" A WMU staff member for seven years, Alexander has been in her present position for the last four years. She's currently participating in the Professional Development Program

WMU video will debut in statewide teleconference

A statewide teleconference on Wednesday, Oct. 14, will serve as the debut of a 21-minute animated video production by WMU's media services that is aimed at helping minority teenagers prepare for college.

The teleconference, also being produced by media services, will take place at 7 p.m. at 11 public universities around the state, including WMU. Participants will include rep-

resentatives of school, business and university communities in each area.

The WMU site for the public teleconference is 3770 Knauss Hall. The teleconference, titled "Achieve a College Education: The Team Approach," will introduce a series of materials designed for sixth-through ninth-graders and their families.

The teleconference will include comments by Robert E. Schiller, superintendent of public instruction, and State Rep. Morris Hood Jr. (D-Detroit), among others. It is being coordinated by Diana Hernandez, minority affairs. More information is available from her at 7-3319.

Persuasion to be demonstrated in workshop Oct. 12 and 19

A two-session workshop demonstrating Aldus Persuasion software for the Macintosh is scheduled for noon to 2 p.m. Mondays, Oct. 12 and 19, in 2033 University Computing Center.

Bruce M. Haight, history, will show how to use Persuasion in the classroom to make professional looking slides, color transparencies and on-screen presentations or tutorials.

For more information and to register, persons should call University computing services at 7-5430.

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.

(R) **Information Specialist**, X-02, Lee Honors College, 92/93-068, 10/6-10/12/92.

(R) **Project Analyst** (.5 FTE; 20 Hours/Week), P-02, Plant Accounting, 92/93-069, 10/6-10/12/92.

(R) **Secretary I**, S-04, Campus Planning, Engineering and Construction, 92/93-072, 10/6-10/12/92.

(R) **Manager, Architects**, X-07, Campus Planning, Engineering and Construction, 92/93-074, 10/6-10/12/92.

(R) **Research Associate** (Term Ends 10/31/93; Grant Eligible for Renewal), P-04, Evaluation Center, 92/93-075, 10/6-10/12/92.

(R) **Senior Research Associate**, P-06, Evaluation Center, 92/93-076, 10/6-10/12/92.

(R) **Secretary II**, S-05, Human Resources, 92/93-077, 10/6-10/12/92.

(C) **Associate to the Vice President for Research**, P-08, Office of the Vice President for Research, 92/93-078, 10/6-10/12/92.

(C) **Office Coordinator**, S-08, Sindecuse Health Center, 92/93-080, 10/6-10/12/92.

(R) **Program Coordinator** (Term Ends 12/31/92; Grant Eligible for Renewal), P-05, Center for Developmentally Disabled Adults, 92/93-081, 10/6-10/12/92.

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. Remember, employment services office hours are 9 to 11 a.m. and 3 to 5 p.m. only. Your cooperation in observing these hours is greatly appreciated. Transfer applications may be dropped off or picked up at any time.

(C) Conversion
(R) Replacement
WMU is an EO/AA employer

Media

Margie J. Geasler, consumer resources and technology, discusses family values on "Focus," a five-minute interview produced by news services. "Focus" is scheduled to air Saturday, Oct. 10, at 6:10 a.m. on WKPR-AM (1420).

Brown bag luncheons begin

"Columbus' Discovery: The Quintecennial Crime!" will be the first topic in a series of brown bag luncheons being sponsored this year by the Division of Minority Affairs.

Donald L. Fixico, history, and Irene S. Vasquez, religion, will present the talk at noon on Columbus Day Monday, Oct. 12, in the Kanley Chapel multi-purpose room.

Other luncheons scheduled for this year for the same time and place are:

- "Vision for the Future: Where Do We Go From Here?" with the Rev. J. Louis Felton, pastor at the Galilee Baptist Church of Kalamazoo, on Monday, Nov. 9; and
- "Power: How To Use It and Not Lose It" with Donald E. Thompson, WMU vice president for research, on Monday, Feb. 8.

For more information, persons may contact Lenzy E. Bell in the Division of Minority Affairs at 7-3320.

Cultural events grants offered

The University Cultural Events Committee is seeking proposals for partial funding of activities that will enhance the cultural environment on campus. Proposals for events scheduled to take place during the 1992-93 academic year are now being accepted.

Students, faculty or staff may submit grant proposals, which must include pertinent information and be endorsed by the head of the appropriate unit.

For application information, persons should contact Carl W. Doubleday, music, who chairs the committee at 7-4681.

Speeches planned by AL/GS

Two leaders in the lesbian and gay community will speak at the University Saturday and Sunday, Oct. 10-11.

Loraine Hutchins, a Washington, D.C., bisexual activist and writer, will speak at 8 p.m. Saturday in 2304 Sangren Hall. Hutchins, who leads workshops around the country on such topics as biphobia and sexual minorities, has been featured in articles in the Advocate and the Village Voice.

On Sunday, Craig R. Dean, who filed a lawsuit against the District of Columbia for denying him and his male partner a marriage license, will speak at 8 p.m. in the same room. Dean and his partner, Patrick Gill, have appeared on several national television programs, including the Oprah Winfrey Show, Phil Donahue and the CBS Morning News.

Their case, filed in November 1990, currently is on appeal. They maintain that it is winnable because the District of Columbia Human Rights Act prohibits discrimination based on sexual orientation. Dean, an attorney, has written articles on same-sex marriage for numerous publications, including the New York Times.

The appearances are being sponsored by WMU's Alliance for Lesbian/Gay Support. For more information, persons may call Missy Howse, president of the group, at 345-9081.

Calendar

Thursday, October 8

(thru 16) Hispanic Heritage Month exhibit of books by Latino authors, third floor, Waldo Library.
(thru Nov. 20) Exhibition, watercolors and mixed media, realistic and abstract, Sylvia Wong, Three Rivers artist, Department of Human Resources, 1240 Seibert Administration Building, weekdays, 8 a.m.-noon and 1-5 p.m.
Exhibition, paintings by Richard Keaveny, art, Dalton Center Multi-Media Room, 10 a.m.-4 p.m.
(thru 22) Exhibition, "Faculty Collects," works from the personal collections of WMU art faculty, Gallery II, Sangren Hall, weekdays, 10 a.m.-5 p.m.
University film series, "The Accident" (England, 1967), directed by Joseph Losey, 3750 Knauss Hall, 6 and 8:30 p.m.
Meeting, Faculty Senate, Fetzner Center, 7 p.m.
Concert, University Concert Band, Dalton Center Recital Hall, 8 p.m.
*(thru 17) University Theatre production, "Let's Get a Divorce," Shaw Theatre, 8 p.m., except for Sunday, Oct. 11, at 2 p.m.

Friday, October 9

Workshop, "A Generation at Risk: Teaching College Students in the Age of AIDS," Red Rooms B and C, Bernhard Center, 8:30 a.m.-12:15 p.m.; to register, call faculty development services at 7-5305.
*Conference, "Engfest: The Multiple Voices of Michigan," Bernhard Center, 9 a.m.-3:30 p.m.
Meeting, Executive Board, Council of Representatives and committee chairpersons of the Administrative Professional Association, Red Room A, Bernhard Center, 11 a.m.
Department of Dance informal performance, Dalton Center Dance Studio B, noon.
Psychology colloquium, "Computer-Based Training in the University and the Real World," J. Cowardin and J. Eschelman, Precision Learning Systems, and G. Yaber and R. Malott,

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prevented many students from continuing their study of mathematics.

Hirsch says the traditional focus on proficiency with paper-and-pencil skills has resulted in a tracking system that places less skilled mathematics students in remedial general mathematics courses devoted to computational skills. The more skilled students are placed in college preparatory classes devoted almost exclusively to algebraic skills needed for calculus as it is traditionally taught. The preoccupation with manipulative skill proficiency has served as a filter, he maintains, prematurely screening large numbers of students, including a disproportionate number of African Americans and Hispanics, from a wide spectrum of educational and vocational opportunities.

"One of the greatest satisfactions of this project will occur if the materials we develop help U.S. schools untrack school mathematics," he says. "A close look at the curricular content of the two tracks in high school mathematics today reveals serious deficiencies in each. Neither does justice to contemporary mathematics or the needs of students in contemporary society."

Those deficiencies, Hirsch says, have led to a national dilemma: Three out of four students currently leave high school without sufficient understanding of mathematics to cope with on-the-job demands or the changing expectations of colleges.

The curriculum must change, he says, to give all students exposure to broadly useful topics from statistics, probability and discrete mathematics — topics that are essential for an increasing number of college majors and for enlightened citizenship in a technological information age. Students presently

in general mathematics programs devoted to "shopkeeper arithmetic" of a pre-calculator era must have access to a curriculum that reflects the full spectrum of the mathematical sciences.

"Without significant curricular and instructional changes, the gaps between goals of current programs for employment-bound students and the expectations of industry and the projected work force needs of the 21st century will only widen," Hirsch says.

Paving the way for CPMP was the National Council of Teachers of Mathematics' 1989 publication of a set of Curriculum and Evaluation Standards for School Mathematics. Hirsch was one of 13 members of the national commission that developed those standards and he chaired the commission's writing committee for the grades 9-12 curriculum.

One of the assumptions of the NCTM standards, Hirsch says, was that such devices as graphics calculators would be readily available to all students. School districts are beginning to accept such technology as integral to mathematics education and some have begun providing it to students through loan and discounted purchase programs. Hirsch predicts that by the time this project is completed, the evolving technology will be widely available, despite the financial constraints faced by many districts today.

"Graphics calculators are tools that allow kids to build on what they can do, that allow them to go as far as they can go with ideas. Although they are still somewhat expensive, the cost (about \$70 for a mid-range graphics calculator) pales in comparison to the cost of most athletic shoes," he says. "They are more than an investment for a single mathematics class. They are investments for life."

Hirsch also directs a statewide professional development project that shares the philosophy and many of the principles on which the CPMP is based. That project, "Making Mathematics Accessible to All," is beginning its second year of operation. It is expected to provide the CPMP with a base of Michigan schools interested in serving as test sites for the new curriculum materials being developed. Pilot trials in 20 Michigan schools will begin in fall 1993. The first year of the three-year curriculum should be published and available nationally in 1996.

Landscapers urge caution around power equipment

The landscape services division of the physical plant will continue to mow, trim and weed whip the campus grounds through the fall months in addition to blowing/cleaning up leaves as part of its maintenance program.

"We use a variety of power equipment to accomplish these activities," said Timothy M. Holysz, landscape services. "Even though we are trained operators and exercise safety precautions, we need your help. In the interest of personal safety, we are asking students, staff and faculty to be aware of grounds personnel operating such equipment and stay a safe distance away."

psychology, 3760 Knauss Hall, 4 p.m.

*(thru 11) Kalamazoo Film Society showing, "Proof," directed by Jacelyn Moorhouse, 2750 Knauss Hall, 2750 Knauss Hall: Oct. 9-10, 8 p.m., and Oct. 11, 2:30 p.m.

Saturday, October 10

Department of Dance's 11th annual "Dance Day," Dalton Center, all day.
*Performance, the Incomparable Red Stars Red Army Chorus and Dance Ensemble Company, Miller Auditorium, 8 p.m.; pre-performance talk by Gen. Gyorgy Shonin, the second person to orbit the earth, Grand Tier lobby, 7:30 p.m.
Alliance for Lesbian/Gay Support lecture by Loraine Hutchins, bisexual activist and writer from Washington, D.C., 2304 Sangren Hall, 8 p.m.

Sunday, October 11

Homecoming Week begins: Sunday events — "Run to Victory," Kanley Track, 2-4 p.m.; gospel concert, Dalton Center Recital Hall, 3:30 p.m.; international festival, South Ballroom, Bernhard Center, 4-6 p.m.; and Gold Company performance, Bronco Mall, Bernhard Center, 6:30 p.m.
Soccer alumni game, Waldo Stadium, 2 p.m.
Concert, WMU Symphony Orchestra with soloist Phyllis Rappeport, piano, Miller Auditorium, 3 p.m.
Alliance for Lesbian/Gay Support lecture by Craig R. Dean, proponent of same-sex marriages from Washington, D.C., 2304 Sangren Hall, 8 p.m.

Monday, October 12

Minority affairs brown bag luncheon, "Columbus' Discovery: The Quintcentennial Crime!" Donald L. Fixico, history, and Irene S. Vasquez, religion, Kanley Chapel multi-purpose room, noon.
(and 19) University computing services workshop, "Focus on Aldus Persuasion for the Macintosh," Bruce M. Haight, history, 2033 University Computing Center, noon-2 p.m.; call 7-5430 to register.
Visiting Scholars and Artists Program events with Alison Lurie, Pulitzer Prize-winning author: informal session on children's literature, 10th floor, Sprau Tower, 1:30 p.m.; public reading, 3750 Knauss Hall, 8 p.m.

Homecoming presentation, "Columbus: The Myth, the Legend, the Reality," Dalton Center Recital Hall, 7 p.m.

Tuesday, October 13

Teleconference, "Enabling Technology: Michigan Resources," Tate Center, 3210 Sangren Hall, noon-1:45 p.m.
Physics colloquium, "Potential Scattering and Analiticity in Potential Strength," Sumio Tani, professor of physics, Marquette University, 1110 Rood Hall, 4 p.m.; refreshments, 3:30 p.m.
Homecoming talent show and king and queen coronation, North Ballroom, Bernhard Center, 7 p.m.
Visiting Scholars and Artists Program lecture, "Children in Danger: Coping with Community Violence," James Garbarino, president, Erikson Institute for Advanced Study in Child Development, Chicago, 2303 Sangren Hall, 7:30 p.m.
Closing concert for the Western String Festival, Miller Auditorium, 7:30 p.m.

Wednesday, October 14

Visiting Scholars and Artists Program seminar, "Multicultural Education and Liberation Pedagogy," James Garbarino, president, Erikson Institute for Advanced Study in Child Development, Chicago, Red Rooms, Bernhard Center, 10:15 a.m.
(thru 16) Homecoming "noonz tents," outside near the Bernhard Center, Kruglak sundial, Miller Auditorium plaza and Haworth College of Business building, 11:30 a.m.-1 p.m.
Geography seminar, "The Evolution of Windsor, Ontario, in Relationship to Detroit," Daniel Jacobson, Department of Geography, Michigan State University, 338 Wood Hall, 4 p.m.
*Movie, "Lethal Weapon 3," Miller Auditorium, 7 and 9:30 p.m.
Lecture series on the European Community, "Russia and the New European Order," John O. Norman, history, Lee Honors College lounge, 7 p.m.
Slide lecture on his own work, artist-in-residence Ryoji Koie, Nagoya, Japan, 2304 Sangren Hall, 7 p.m.
Teleconference, "Achieve a College Education: The Team Approach," 3770 Knauss Hall, 7 p.m.
OctUBAfest guest artist recital, James Shearer, tuba professor at New Mexico State University at Las Cruces, Dalton Center Recital Hall, 8 p.m.

Thursday, October 15

Homecoming exhibit of African American art and culture, Red Rooms B and C, Bernhard Center, 9 a.m.-5 p.m.
President Haenicke's open office hours, 3060 Seibert Administration Building, 10 a.m.-noon.
Soccer, WMU vs. Spring Arbor College, Waldo Stadium, 3:30 p.m.
University film series, "The Bicycle Thief" (Italy, 1949), directed by Vittorio De Sica, 3750 Knauss Hall, 6 and 8:30 p.m.
*Concert, University Jazz Orchestra, Dalton Center Recital Hall, 8 p.m.

*Admission charged

Haenicke

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and planning units. "I would like to bring together the various scattered efforts that we have in institutional planning and in institutional research into a new Office of Institutional Research and Strategic Planning, in which I would also like to be involved directly and immediately in its initial phases until the effort can be on its way early in the next year," he said.

Haenicke said he plans to be on campus daily, to teach his class and to be responsible for the overall affairs of the University. However, he would like to take a break from the daily routine of attending many meetings and ceremonial functions. These matters would be handled by the provost and vice presidents, he said.

"I think that both I and the institution could very much benefit from this effort, and I hope to be able to show good results at the end of this particular period," he said. "I'm personally very excited about this prospect, and I think it will provide me with a much better understanding about the goals and the objectives that many people hold in the University. I also have a very strong desire to be more active on the inside than I could be during the last years of the campaign."



MEDALLION RECEPTION — Winners of Medallion Scholarships were honored at a colloquium and reception Oct. 2 in the Bernhard Center sponsored by the WMU Foundation. Giving the welcome was Tonda L. Radewan, second from left, a junior from Battle Creek and the Charles Carmichael and Bernadine Carlson-Carmichael Medallion Scholar. The colloquium gave the scholars a chance to meet with the people who donated funds for the awards, such as Carlson-Carmichael, left, emerita in English. Others in the photo are Fred W. Plitz, a sophomore from Schoolcraft and Radewan's guest, and Susan L. Porter, WMU Foundation. The \$25,000 awards are among the largest merit-based scholarships in American public higher education.