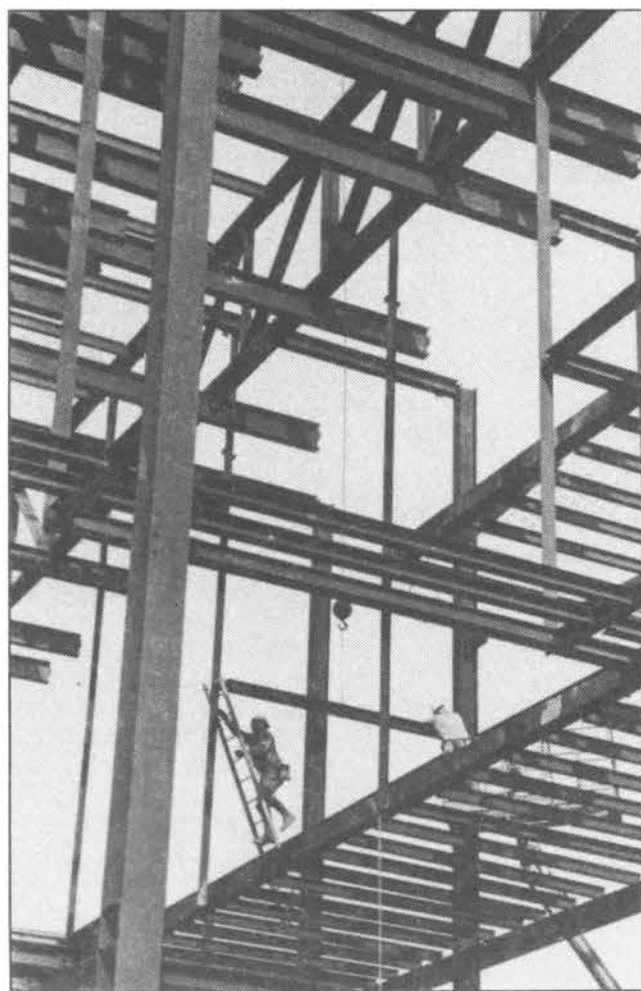


WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

Volume 20, Number 23

March 10, 1994



Beam me up

The structural steel going up for the educational wing addition to the University theatre complex appears as quite a maze for these two workers. The \$4.7 million, 44,000-square-foot addition will contain an experimental multi-form theatre, makeup and dressing rooms, classrooms, a design studio, offices, a ticketing and arts management center and a new lobby. The work is expected to be completed this fall.

Bunda, Ellin elected to senate leadership posts

Mary Anne Bunda, educational leadership, has been elected president of the Faculty Senate and Joseph S. Ellin, philosophy, has been re-elected vice president. Both are for one-year terms.

Bunda was opposed by incumbent Visho Sharma, science studies, and Ellin by William B. Harrison III, geology. Incumbents have been opposed in three previous elections. Two candidates ran for both president and vice president in 1985; two ran for president in 1987; and two ran for vice president in 1989.

Bunda, who came to WMU in 1974, is a senator-at-large. She has served on the Research Policies Council and the Committee on Safety in Research. She also has served as chairperson of the Human Subjects Institutional Review Board.

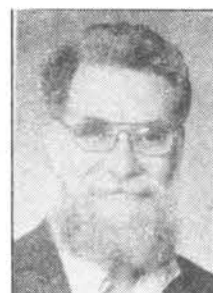
Ellin, who came to WMU in 1962, is chairperson of the Regional Education Council. He has been a member of the senate since 1974.

Three persons were elected to three-year terms as senators-at-large. They are James P. D'Mello, finance and commercial law; Jil C. Larson, English; and Gwen Raaberg, English and women's studies.

Five faculty members have been elected as departmental representatives and eight have been re-elected, all for three-year terms. New to the senate are Jan L. Bedrosian, speech pathology and audiology; Sandra J. Edwards, occupational therapy; John G. Raisigel, military science; Joseph P. Stoltman,



Bunda



Ellin

geography; and Linda Trotter-Heger, music.

Those re-elected are Jody A. Brylinsky, health, physical education and recreation; Elise deDoncker, computer science; David A. Ede, religion; Meshulam Groper, mechanical and aeronautical engineering; Visho Sharma, science studies; Subhash R. Sonnad, sociology; William R. Wiener, blind rehabilitation; and D. Terry Williams, theatre.

Senate meeting set for tonight

The Faculty Senate will meet at 7 p.m. Thursday, March 10, in the Fetzer Center. Agenda items include: remarks by President Haenicke; a discussion of the future celebration of Martin Luther King Jr.'s birthday; and a report from Adrian C. (Ed) Edwards, finance and commercial law, who is chairperson of the Athletic Board.

College Bowl team wins regional title, qualifies for nationals

WMU's College Bowl team posted an 8-0 record to win the recent Great Lakes regional competition and qualify for national competition next month in Gainesville, Fla.

WMU's team took top honors among the 17 teams that competed in the Association of College Unions-International Region 7 championship tournament that took place Feb. 26-27 on the WMU campus. To capture the crown, WMU defeated the University of Michigan team in two close games, 220-215 and 230-215. Before the tournament, the U. of M. was ranked ninth in the nation by the College Bowl Co. Inc. and WMU was ranked 10th.

"This is a remarkable achievement," said President Haenicke. "All of us at WMU are very proud of their performance."

The championship qualifies WMU for the national tournament that will be April 22-23 at the University of Florida. This will be the first national competition for the WMU team, which is in only its fifth year of competition.

Members of the winning WMU team are: College Bowl of WMU President Ati T. Tislerics, a senior from Livonia; James D. Brault, a freshman from Sterling Heights, who served as team captain for the regional tournament; Jennifer Grahek, a freshman from Breckinridge; David R. Nelson, a freshman from Sterling Heights; and Julie K. Stahlhut, a graduate student from Kalamazoo.

Trustees to meet in Lansing

The Board of Trustees will meet at 10 a.m. Thursday, March 17, in Michigan Rooms 2 and 3 of the Radisson Hotel at 111 N. Grand in Lansing. The trustees will consider a schedule of room and board and apartment rental rates for 1994-95, which is expected to be tabled until the board's April 22 meeting. These board committee meetings also will meet Thursday in the same rooms: Academic and Student Affairs Committee at 8:30 a.m.; and Budget and Finance Committee at 9:15 a.m.

Partnership with company leads to new research center

A research partnership between the University and the Durametallic Corp. of Kalamazoo will lead to a cleaner environment, improved products for the mechanical seal industry and increased training opportunities for WMU students.

A \$90,720 cash grant has been awarded to WMU by the firm. That grant and company-owned, state-of-the-art testing equipment are being used to establish a Center for Advanced Tribology, the newest research facility in the Department of Mechanical and Aeronautical Engineering. The move will make WMU one of only a handful of universities in the nation with research centers devoted to the study of tribology, a field that examines friction and wear in interacting mechanical parts.

"Tribology covers the study of such parts as bearings and seals," says Molly W. Williams, associate dean for research and graduate studies in the College of Engineering and Applied Sciences, who will direct the center with Philip J. Guichelaar, mechanical and aeronautical engineering. "The friction and wear phenomenon is extremely important in industry, although it's not always obvious to laypersons."

The funding from Durametallic has been used to complete the rewiring, replumbing and design changes needed to transform a Kohrman Hall classroom into a laboratory. Remaining funds will be used to provide training and paychecks for the graduate and undergraduate students who will work in the laboratory for the coming year.

In addition to the cash grant, Durametallic is providing the laboratory with state-of-the-art testing equipment that will be used by faculty researchers and by students working under the supervision of Guichelaar and Williams. The work will focus on various research and testing programs related to face seals, which are used to prevent leakage from pumps and other industrial equipment. Researchers also will begin to work with the next generation of testing equipment this summer when design and construction of a new testing machine in the laboratory is

completed.

Durametallic is a leading supplier of mechanical seals that counts among its major customers such chemical industry giants as Dow and DuPont.

"For Durametallic, this should really leverage our research dollars," says William V. Adams, vice president for engineering research and quality assurance at the company. "This center will be somewhat unique in that it will focus heavily on seals. We feel the work that takes place here will lead to extended life cycles and reductions in both the energy consumption and the level of emissions of our equipment."

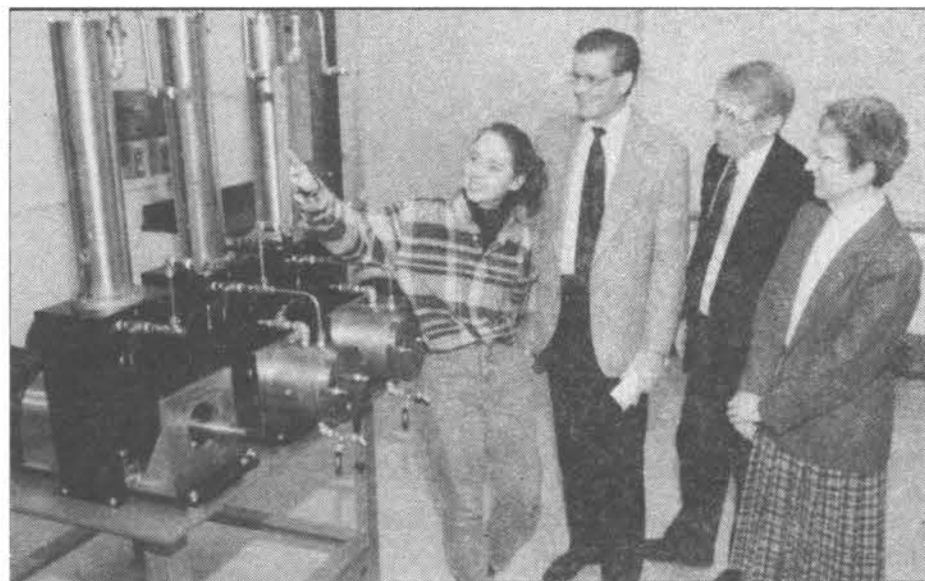
Adams says he expects the center to attract other companies in the industry. Durametallic will encourage its suppliers and other manufacturers to come to WMU when

they need material testing and research done.

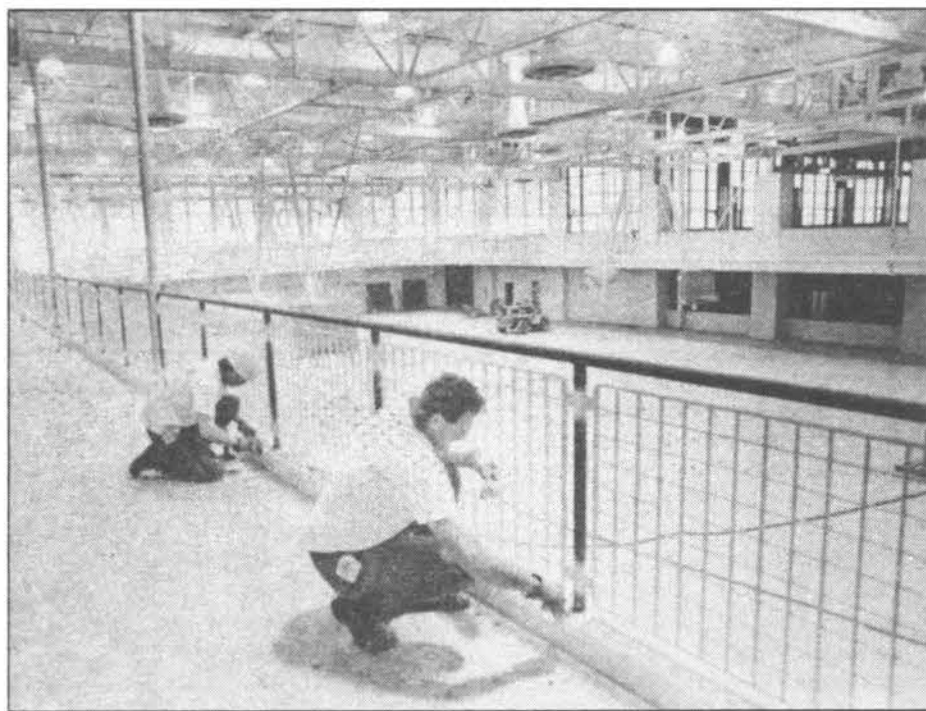
"We've had a mutually beneficial relationship with the University for several years and this is a way to build on that and to become research partners with other companies in our industry. More than \$800,000 in research proposals already has been developed to make use of this facility," Adams says. "We think there are plenty of partners out there to keep this center busy."

Guichelaar points out that University/industry collaboration is a major focus of such federal research funding agencies as the National Science Foundation, which has provided joint funding with Durametallic in the past for research that has led to product design changes in the industry.

(Continued on page four)



PREPARING FOR TESTING — Jennifer Brinn, a junior from Freeland, points to the lubricant level in testing equipment in the Center for Advanced Tribology to, from left: William V. Adams, vice president of the Durametallic Corp.; Philip J. Guichelaar, mechanical and aeronautical engineering; and Molly W. Williams, associate dean of the College of Engineering and Applied Sciences. Using the testing equipment installed in the center by Durametallic, Brinn and other mechanical engineering students will conduct routine tests on mechanical face seals to fulfill requirements mandated by such agencies as the Environmental Protection Agency. Faculty members and students also will conduct original research in the center using the state-of-the-art equipment.



REFURBISHED FOR RUNNING — Crews recently were at work in the Gary Wing of the Student Recreation Center putting up a railing around an elevated track in the former large gym. The old structure is being renovated as phase two of the Student Recreation Center project. Another distinctive feature besides the elevated track will be a 35-foot climbing wall. There also will be racquetball courts, an aerobics room, a games room and basketball, volleyball and badminton courts. In addition, the old asphalt area will contain tennis courts, softball and baseball infields and areas for archery target practice. Phase two, which represents about half of the 240,000-square-foot total area of the Student Recreation Center, is expected to be completed by fall. The project is part of the \$50 million renovation and expansion of the University's facilities for student recreation and intercollegiate athletics.

Crane subject of Women's History Month display

A Women's History Month exhibit commemorating the life and public career of Kalamazoo's Caroline Bartlett Crane will be on display through March 31 at Waldo Library.

The exhibit, in the Rare Books Room on the library's third floor, is open to the public from 9 a.m. to 5 p.m. Mondays through Fridays. The display is drawn from the University's Regional History Collections and includes letters, manuscripts and photographs of Crane and her contemporaries. Crane, who lived from 1858 to 1935, was a nationally known social and municipal reformer, a minister and an advocate for women's rights.

The exhibit coincides with the publication later this month of a biography of Crane written by O'Ryan Rickard, general manager and adviser to the Western Herald. "A Just Verdict: The Life of Caroline Bartlett

Crane" is being published by WMU's New Issues Press.

Crane, who was elected to the Michigan Women's Hall of Fame, spent most of her career based in Kalamazoo. She built a national reputation as a municipal reformer and was paid by some 62 cities across the nation to give advice on how to improve sanitation, food and water supplies and schools. Locally, she was a minister to what became the People's Church, and for more than three decades played an active role in community affairs.

The exhibit was organized by the curators of the University Archives and Regional History Collections and by the staff of New Issues Press. For more information about the exhibit, persons may call Sue Husband, Regional History Collections, at 7-8491 or Beatrice H. Beech, University libraries, at 7-5221.

Shakespeare Festival will span a month with lectures, productions and films

The works of English playwright and poet William Shakespeare will be celebrated at the University March 13 through April 19.

The fifth annual WMU Shakespeare Festival will offer performances, lectures, demonstrations, discussions, films, radio and television broadcast productions, and workshops.

Two of the festival's special events this year feature a discussion and performance of madrigals — unaccompanied vocal compositions for two or three voices in simple harmony — that highlight the poetry and music of England's Queen Elizabeth I during the 17th century.

"Elizabethan Poetry and Madrigals" will be explored in a forum at 4 p.m. Tuesday, March 22, on the 10th floor of Sprau Tower. Participants will include: Elise B. Jorgens, associate dean of the College of Arts and Sciences; Richard D. Snyder, Miller Auditorium; and members of the Kalamazoo Cham-

ber Chorus.

The forum precedes a musical production of "The Triumphs of Oriana" by the Kalamazoo Chamber Chorus at 8 p.m. Friday, March 25, in the Dalton Center Recital Hall. Snyder will direct the performance.

According to Thomas E. Small, English, who is the organizer of the celebration, the madrigals come from published materials that date back to 1601. The madrigals, he says, consist of a 24-set anthology of songs and poetry from that era's best known composers and poets who praised Queen Elizabeth. The artists were required to include the phrase "Long Live Fair Oriana," a mythic name attributed to the queen.

The festival begins Sunday, March 13, with a radio production of "Twelfth Night." The production airs at 8 p.m. on WMUK-FM (102.1); it repeats at 6:30 p.m. Monday, April 18. It is directed by Robert L. Smith, communication, and produced by Garrard D. Macleod, WMUK. The production features a cast of WMU faculty members and undergraduate students from the Department of Theatre.

On Monday, March 14, justice, mercy, and political and social morality in Shakespeare's work will be the subjects of a lecture and discussion. "Public Morality in the Plays of Shakespeare with Special Attention to 'Measure for Measure'" will be discussed at 8 p.m. in 3321 Brown Hall. Ralph C. Chandler, political science and public affairs, will moderate.

Demonstrations of stage weaponry and battle techniques in Shakespeare scenes will be featured at 4 p.m. Tuesday, March 15, at the York Arena Theatre. WMU theatre students led by John Scheidler, theatre, will discuss and demonstrate Shakespearean stage

Political comedy troupe takes satiric jab at those who claim feminism is a dirty word

"The F Word: A Fresh and Funny Look at Feminism" will be the topic when the Sleeveless Theatre, a political comedy troupe, performs at 8 p.m. Friday, March 18, in the Bernhard Center ballroom.

The fast-paced, vaudeville-style review will take a satiric jab at those who claim that feminism is a dirty word. In a series of 11 short sketches, the troupe will examine feminism in America today against a backdrop of the history of the movement.

"We were looking for an event to celebrate Women's History Month and we wanted something that was not only educational, but fun and entertaining," says Linda J. Lumley, Women's Resources and Services, which is co-sponsoring the performance with the Campus Activities Board. "When I read about 'The F Word,' I knew it fit the bill. It's been successful with audiences of men and women of all ages."

Among the skits the troupe uses to examine feminism is "The Wizard of Oz, Take Two," in which Dorothy is a college student who claims she is not a feminist until she is

propelled into "Retro-Land" and learns of the women who struggled for the rights she enjoys. In another skit, the women's movement's shortcomings are examined when rappers Wonder Bread and Tapioca Pudding wonder "Why Are We So White?" In "The Feminist Olympics," a torch relay race traces the obstacle course of gains and defeats achieved in the 1970s, '80s and '90s.

Now in its fifth year, the Massachusetts-based Sleeveless Theatre has brought its brand of political comedy to audiences in such cities as Boston, Chicago, New York, St. Louis and Washington, D.C. The company has been invited to perform in several festivals, including the Lucille Ball Festival of Comedy and the Women's Theatre Festival in Philadelphia.

Because CAB is sponsoring the performance, the event is open to members of the WMU community and the general public for an admission price of only \$1. Cabaret-style decor, popcorn and a non-alcoholic cash bar will be part of the evening's attractions.

Renowned anthropologist to discuss race, culture

The popular and political use of such controversial terms as "race" and "culture" will be among the topics addressed by an internationally known anthropologist who will visit the University Monday and Tuesday, March 14-15, as part of the Visiting Scholars and Artists Program.

Eric R. Wolf, distinguished professor of anthropology at the Herbert Lehman College and Graduate Center of the City University of New York, will explore "Perilous Ideas: Race, Culture and Ethnicity" in a free public lecture at 7 p.m. Monday in 2302 Sangren Hall. He will describe the history of those terms as they have been used to describe both biological and cultural aspects of humans.

Wolf, who is known for his expertise in sociocultural anthropology, will make two additional presentations on Tuesday. He will speak on "Problems in Evolutionary Anthropology" at 10 a.m. in 204 Bernhard Center and he will be available for an informal open seminar on his work at 2 p.m. in 2010 Friedmann Hall.

Renowned for his anthropological studies of Middle American and European peasant cultures, Wolf is the author or editor of 11 books, many of which have been translated into several languages. His books include

"Europe and the People Without History," "Peasants" and "The Valley of Mexico." He also is known for his studies of the relation between culture and ideology and the history of anthropological theory.

Wolf has been the recipient of numerous awards including Guggenheim, Doherty and John D. and Catherine T. MacArthur Foundation fellowships as well as awards from the American Anthropological Association and the American Academy of Arts and Sciences.

Wolf's visit to WMU is being coordinated by the Department of Anthropology. For more information, persons may contact Alan H. Jacobs, anthropology, at 7-3980.

WMU's Visiting Scholars and Artists Program was established in 1960.

Luncheon changed to April 18

The annual spring luncheon sponsored by the Administrative Professional Association and the Clerical/Technical Organization has been rescheduled from Tuesday, April 12, to Monday, April 18. It will take place in the Bernhard Center ballrooms. Reservation forms will be sent to staff members in campus mail soon.

be broadcast at 6:30 p.m. Tuesday, April 19, on WMUK-FM (102.1).

The 1993 movie, "Much Ado About Nothing," will be shown at 6 and 8 p.m. Thursday, March 31, in 3750 Knauss Hall. The film stars Kenneth Branagh, Emma Thompson, Denzel Washington, Keanu Reeves, Robert Sean Leonard and Michael Keaton.

On Tuesday, April 5, "Shakespeare's Playful Craft, or How to Write a Good Play" will be presented at 8 p.m. in 3321 Brown Hall. Arnie Johnston, English, and Deborah Percy, a Kalamazoo educator and WMU graduate, will lead the discussion. The two playwrights have collaborated on several plays, including a production that is scheduled to open in New York City this spring.

"Living With Shakespeare: From Theatre to Classroom" will be the subject of a discussion at 2 p.m. Friday, April 15, on the 10th floor of Sprau Tower. The discussion will be moderated by: Allen Carey-Webb, English; Constantine J. Gianakaris, English and theatre; Felicia Londre, professor of theatre and drama at the University of Missouri at Kansas City; and David Bevington, professor of theatre at the University of Chicago.

All events are free and open to the public. The Shakespeare Festival was established by the Katharine D. Rogers, emerita in English, in memory of her husband, Frederick J. Rogers, who was chairperson of the Department of English from 1956 to 1966. Rogers, who died in 1984, taught courses on Shakespeare and conducted research on him in England.

For more information on all events, persons may contact the Department of English at 7-2574.

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

Editor: Ruth A. Stevens; Staff Writers: Cheryl P. Roland, Michael L. Smith; Photographer: Neil G. Rankin.

Western News (USPS 362-210) is published by News Services, B-207 Ellsworth Hall, Western Michigan University, 1201 Oliver St., Kalamazoo, MI 49008-5165, weekly during fall and winter semesters and bi-weekly during spring and summer sessions, except during vacation periods. Second class postage paid at Kalamazoo, MI 49008-5165.

Postmaster: Send address changes to Western News, News Services, Western Michigan University, 1201 Oliver St., Kalamazoo, MI 49008-5165.

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.

Spring Into Wellness Week set for March 14-17

Mark your calendars for WMU's ninth annual Spring Into Wellness Week March 14-17, coordinated by University wellness programs in the Sindecuse Health Center and sponsored by more than 25 University offices, academic departments and student organizations.

Members of the University community are invited to take time from their hectic schedules to join others in participating and making commitments for small changes in health habits that affect their quality of life.

The lineup includes everything from workshops to a fair. Scheduled for Monday are a blood drive, a noon hour seminar titled "Talking To Your Kids About Sexual Risk Taking," a 4 p.m. workshop on "Managing Stress and Conflict" and a 5:15 p.m. workshop called "Be a Leaner Eater."

On the docket for Tuesday are a noon hour seminar on "Building Resilience," a 5 p.m. CPR certification class and two 5:15 p.m. workshops, one titled "The Inner Voice: Cultivating Self Esteem" and another on "Building Healthy Love Relationships."

The ninth annual Spring Into Wellness Health Assessment and Skills Fair is scheduled for 10 a.m. to 4 p.m. Wednesday in the Bernhard Center ballrooms. It will feature 40 booths of free health assessments, including vision screening, pulmonary function assessments, tasty low-fat food sampling, in-

formation on HIV counseling and testing, foot and ankle assessments, and free cholesterol screening. A new feature at this year's fair will be a section on alternative therapies, with demonstrations of acupuncture and a variety of massage therapists applying their "healing touch."

Also slated for Wednesday are two demonstrations: one at 5:15 p.m. on "T'ai Chi, Moving Toward Inner Peace"; and another at 7 p.m. on "Step Up to Step Aerobics."

Rounding out the week on Thursday will be the APA-C/TO Step Into Spring Noon Hour Fitness Walk, starting at 12:05 p.m. in the Sindecuse Health Center lobby. A 5:15 p.m. workshop on "Eliminating Self-Defeating Behaviors" also is set for Thursday.

For a complete listing of events and details, see the March 9 insert to the Western Herald or call 7-3263.

Donors needed for blood drive

Faculty and staff members are invited to sign up for the annual Red Cross blood drive, scheduled for 9 a.m. to 2:45 p.m. Monday, March 14, in the South Ballroom of the Bernhard Center. The goal for this year's drive is 150 pints. It is being sponsored by the College of Health and Human Services and Eta Sigma Gamma. To reserve a time, persons should call 7-2638.

'Environmental Wellness' is ethics lecture topic

An expert on environmental ethics will deliver a lecture at WMU Thursday, March 17.

J. Baird Callicott, professor of philosophy and natural resources at the University of Wisconsin at Stevens Point, will speak at 7:30 p.m. in 3750 Knauss Hall. His address is titled "Environmental Wellness."

Callicott designed and taught the first course in environmental ethics in the country in 1971. Since his contribution to the first issue of the journal "Environmental Ethics" in 1979, his work has been at the forefront of the new field of environmental philosophy and ethics.

He is generally regarded as the leading

contemporary advocate of Aldo Leopold's "Land Ethic," a view claiming that people have direct moral responsibilities not only to animals and other human beings, but also to living things in general, to inanimate parts of the natural environment and even to the land itself.

Callicott has written numerous articles on environmental ethics, some of which are collected in "In Defense of the Land Ethic." His latest work, "Earth's Insights: A Survey of Ecological Ethics from the Mediterranean Basin to the Australian Outback," is forthcoming from the University of California Press.

Callicott's visit is being sponsored by the Center for the Study of Ethics in Society.

Historian plans talks on gender and authority

A historian specializing in Spanish religion, European women and medieval and renaissance Europe will speak at WMU as part of the Visiting Scholars and Artists Program Tuesday and Wednesday, March 15-16.

Jodi Bilinkoff, associate professor of history at the University of North Carolina at Greensboro, will make three presentations. At 3:30 p.m. Tuesday, she will participate in a panel discussion on "Gender and Power in Medieval European Christianity" in 2750 Knauss Hall. Other panelists will be WMU faculty members E. Rozanne Elder, history; Barbara S. Havira, history; and Beatrice H. Beech, University libraries.

Bilinkoff will speak on "The Case of Maria de Santo Domingo: Religion, Gender and Authority in Early 16th Century Spain" at 7 p.m. Tuesday in 3750 Knauss Hall. At 3:30 p.m. Wednesday, she will deliver an address on "Male Confessors and Female Penitents in Catholic Europe (1450-1750)" in 2302 Sangren Hall. All events are free and open to the public.

Human resources

Performance review training offered

The University's performance review process for non-bargaining employees will be the topic of a training session offered for supervisors by the Department of Human Resources from 8:30 to 11:30 a.m. Thursday, April 7, or Friday, May 6, in 204 Bernhard Center.

This activity-based workshop will cover the entire performance review process from establishing performance measures through writing and conducting the review. Presenters will be David C. Odett and Laureen A. Summerville, human resources.

To register for either date or to obtain additional information, persons should contact Doris J. Moore, human resources, at 7-3625.

Bilinkoff is the author of numerous articles for scholarly journals as well as a book titled "The Avila of St. Teresa: Religious Reform in a 16th Century Spanish City." She has been a visiting lecturer at Harvard Divinity School and a fellow at the Bunting Institute of Radcliffe College.

Her visit to WMU is being coordinated by the Department of Religion, the Medieval Institute and the Women's Studies Program.

Exchange

FOR RENT — Lake Leelanau log cottage.

Two bedrooms, each with private full bath. Fireplace, gas heat, 176 feet of shallow sandy frontage, two docks, rowboat. Comfortably sleeps seven. Three-night weekends from \$175 or weeks from \$425-\$500, depending on time of year. Openings in May, June, August, September and October. Call 629-5890.

Media services

"Technologies You Must Master for the 21st Century," a national interactive videoconference, is scheduled for 1 to 2:30 p.m. Wednesday, March 23, in 3302 Sangren Hall. Sponsored by the Division of Media Services, this program will explore technologies that collegiate faculty and staff might be expected to master in the immediate future. Demonstrations of Digital Video System, Nomadic Computing and Distance Learning System will be included. To register, call 7-5003.

A videotape of the program "How Schools and Colleges and Communities Collaborate to Improve Learning" is available for loan to faculty and staff through the Media Resource Center in Sangren Hall. Part of the "Writing Across the Curriculum: Making It Work" series from PBS, this recent national videoconference featured Charles M. Hodge, dean of WMU's College of Education, as a

On campus

CUSTOMER ORIENTED — "Do it now" maintenance is the focus for Joan E. Ashley and her 40-person staff. As assistant manager of maintenance services in charge of auxiliary enterprises, Ashley is attuned to the needs of her customers — primarily students, whose dollars provide nearly total support for her area. "We answer more than 70,000 service requests per year," Ashley says, "and we're in charge of providing maintenance for 22 residence halls, 600 apartments, nine dining service units, the East Campus leased buildings, the Bernhard Center and the Oaklands." Routine repairs such as fixing broken doors and emergency repairs involving such things as a broken water line are part of a day's work. This winter was a particular challenge as Ashley and her staff battled weather-related electrical, heating and plumbing problems. Ashley, who averages only about two hours per day in her office at the physical plant, stays in touch with her staff via a two-way radio she refers to as an "umbilical cord." A WMU employee since 1981, she landed her current position eight years ago when the job was created and 12 skilled tradespeople were selected to concentrate on auxiliary enterprises. "They called themselves 'the Dirty Dozen' and they really trained me, while responding very well to what was then a very different style of management," Ashley says. "We developed a team. No one member of the team is more important than another and the customer is always number one. It's very similar to what we now call Total Quality Management."



Libraries

The Music and Dance Library will hold its annual sale of books, music and recordings Tuesday through Thursday, March 15-17, in 3008 Dalton Center. Sale hours are 8 a.m. to 11 p.m. The sale will include books about music, sheet music and scores, and LP recordings and cassettes of classical, jazz and some popular music.

Academic libraries have changed a great deal in the last 10 years. Card catalogs and many periodical indexes have been replaced by computers. Often this technology causes particular problems for nontraditional students. The nontraditional student population includes individuals who have entered college later in life, or graduate students, among others.

Recognizing this problem, the University libraries in 1991 hired an individual with responsibility for serving the needs of this growing segment of the student population. Dennis K. Strasser is the nontraditional student services librarian based in the Education library in Sangren Hall.

A variety of services are available to nontraditional students who require special help in accessing the library computer sys-

tem. These services include classroom presentations and demonstrations tailored to the needs of a specific class, individualized instructional assistance and small group WESTNET training workshops.

Any member of the WMU community may make an appointment for an individualized help session. They will receive personalized assistance in learning to use the WESTNET library computer system and tips on research strategies. Each semester, several WESTNET training workshops are scheduled for weekdays and Saturdays. These sessions offer demonstrations and hands on experience. Pre-registration is required.

Questions regarding library services for nontraditional students should be directed to Strasser at 7-5230.

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) **Chairperson** (Executive Official), Physician Assistant, 93/94-268, 3/8-3/14/94.
(R) **Clerk III**, S-04, Academic Records, 93/94-271, 3/8-3/14/94.

(R) **Academic Auditor I**, S-04, Academic Records, 93/94-272, 3/8-3/14/94.

(R) **Assistant Director**, P-05, Residence Hall Life, 93/94-273, 3/8-3/14/94.

(R) **Ombudsman** (3-Year Presidential Appointment; Term Ends 6/30/97), Ombudsman, 93/94-274, 3/8-3/14/94.

(R) **Activity Therapist II** (Term Ends 9/30/94; .50 FTE), P-03, Center for Developmentally Disabled Adults, 93/94-279, 3/8-3/14/94.

(R) **Assistant Professor**, I-30, Art, 93/94-280, 3/8-3/14/94.

(N) **Assistant Professor**, I-30, Political Science, 93/94-275, 3/8-3/14/94.

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

Calendar

Thursday, March 10

(thru May 13) Exhibition, "Michigan Lighthouses," aerial photographic perspective by John L. Wagner, East Lansing photographer/pilot, Department of Human Resources, 1240 Seibert Administration Building, weekdays, 8 a.m.-noon and 1-5 p.m.
 (thru 31) Women's History Month exhibition commemorating the life and public career of Caroline Bartlett Crane, Rare Books Room, third floor, Waldo Library, weekdays, 9 a.m.-5 p.m.
 (thru 30) Exhibition, paintings, prints and drawings by Daniel Leary, artist from Hudson Falls, N.Y., Gallery II, Sangren Hall, weekdays, 10 a.m.-5 p.m.; and Space Gallery, Knauss Hall, Mondays thru Thursdays, 10 a.m.-4 p.m.; slide lecture, Thursday, March 10, 2302 Sangren Hall, 7 p.m., reception following; juror's seminar with student exhibitors, Thursday, March 17, Dalton Center Multi-Media Room, 7 p.m.
 (thru 11) Exhibitions, BFA shows in sculpture by Terry Meyers and Eric Davis, Rotunda and South Galleries, East Hall, weekdays, 10 a.m.-5 p.m.; reception, Friday, March 11, 6-8 p.m.
 *University computing services workshop, "Electronic Mail Using PMDF Mail for VMS," 3-5:30 p.m.; call 7-5430 for registration information.
 University film series, "Ethan Frome" (USA, 1993), directed by John Madden, 3750 Knauss Hall, 6 and 8 p.m.
 Meeting, Faculty Senate, Fetzer Center, 7 p.m.

Friday, March 11

*(and 12) 18th annual Minority Student Leadership Conference, Bernhard Center, all day; call 7-4420 to register.
 Meeting, Administrative Professional Association Executive Board, Red Rooms, Bernhard Center, 11 a.m.
 Mathematics and statistics colloquium, "Hamilton and Jacobi Meet Again: Quaternions and the Eigenvalue Problem," Niloufer Mackey, State University of New York at Buffalo, Commons Room, sixth floor, Everett Tower, 2:10 p.m.; refreshments, 1:45 p.m.
 Psychology colloquium, "Monetary Reward Programs in Business and Industry and Their Laboratory Analogs," Johnson, Motorola & McNally, Wyatt Corp., 3760 Knauss Hall, 4 p.m.
 Student recital, Ayako Toda, piano, Dalton Center Lecture Hall, 5 p.m.
 *(and 12, plus 13 if needed) First-round Central Collegiate Hockey Association playoffs, WMU vs. the University of Notre Dame, Lawson Arena, 7 p.m.
 *Concert, Kalamazoo Symphony Orchestra, "Legacy of Jazz," featuring tenor saxophonist Jimmy Heath and the WMU Jazz Orchestra, Miller Auditorium, 8 p.m.
 *(thru 13) Kalamazoo Film Society showing, "King of the Hill," directed by Steven Soderbergh, 2750 Knauss Hall: March 11-12, 8 p.m.; March 13, 2:30 p.m.

Saturday, March 12

*14th annual Western Invitational Jazz Festival, Dalton Center, all day; closing concert featuring the Western Jazz Orchestra with guest artist Jimmy Heath, Dalton Center Recital Hall, 7:30 p.m.
 *Performance, "Preservation Hall Jazz Band," Miller Auditorium, 8 p.m.

Sunday, March 13

Concert, University Chorale, Dalton Center Recital Hall, 3 p.m.
 Faculty recital, Western Wind Quintet, Phyllis Rappeport, piano, and Scott Thornburg, trumpet, Dalton Center Recital Hall, 5 p.m.
 Graduate recital, Michael Bragg, double bass, Dalton Center Lecture Hall, 6 p.m.
 Alumna recital, Anne Thompson, cello, Dalton Center Lecture Hall, 8 p.m.

Monday, March 14

(thru 17) Spring Into Wellness Week.

Tribology *(Continued from page one)*

"That is the same model that we expect to continue as we develop funding proposals for this center in the future," Guichelaar says.

"A lot of companies do this," Williams notes. "It's great for both sides of the partnership. It's simply a smart way to do business."

In addition to boosting the University's research capabilities, the center also is expected to provide hands-on testing and research experience for students as they take on the task of running routine product testing for Durametallic. Recent mandates by the American Petroleum Institute require companies to put their products through a set of stringent tests before the products can be certified for use.

After being trained in testing and safety procedures, about a half dozen WMU students will conduct product testing for Durametallic. Following an initial flurry of activity to test all of the company's products to meet the new standards, such tests will be conducted as new products are developed. The company also will work with faculty to suggest areas in which students can do research for senior projects and graduate theses.

"The grant will provide good student jobs, research questions that will lead to master's and Ph.D. thesis work, and good resume material and letters of reference for our students," Guichelaar says. "In return, we will be providing a service that is less expensive and more responsive to Durametallic's needs than a commercial testing firm."

Another focus of the center will be in the area of testing face seals and barrier fluids compatibility — technology of critical importance to the environment. The double seal system is designed to provide additional protection against leakage of noxious chemicals by placing a barrier fluid between the chemical and the environment.

"Relatively little is known about the wear and corrosion of face seals which operate in a fluid environment," Guichelaar says. "It's important that we learn more because this is the technology that is used with chemicals

that absolutely cannot be leaked into the environment."

Working with materials supplied by both Durametallic and CPI Engineering Services Inc. of Midland, Mich., University researchers will delve into the workings of seals and barrier fluids.

Conference participants to focus on minority leadership

How can America's minority students achieve more success in predominantly white institutions of higher education? That question and other topics aimed at minority students and educators will be explored at the 18th annual Minority Student Leadership Conference Friday and Saturday, March 11-12, at the Bernhard Center.

The theme for this year's conference is "Choices: The Destiny of Our People." The annual event attracts collegiate and high school faculty, staff and students, parents and other community members who are concerned with building minority leadership.

The conference is sponsored by the WMU Consortium for Ebony Concerns, the Student Budget Allocation Committee and the retention unit of the Division of Minority Affairs.

Workshops will be conducted throughout the two-day conference. Topics will include: "The Cultural Explosion"; "Racism: What's That?"; "Marketing Yourself"; "Can Minorities Succeed on a Predominantly White Campus?"; "The Leader Within"; and "From the Pyramids to the Projects."

Keynote speakers will be: Rex Nelson, director of community relations for the Detroit Pistons and the Palace of Auburn Hills; author and screenwriter Victor Villaseñor; and award-winning journalist Beverly Smith, host of Black Entertainment Television's "Our Voices."

For more information on the conference and on the registration fees, persons may contact the Division of Minority Affairs at 7-4420.

Annual Red Cross blood drive, South Ballroom, Bernhard Center, 9 a.m.-2:45 p.m.; call 7-2638 to reserve a time.

*University computing services workshops, 2033 University Computing Center: "Electronic Mail Using Pegasus for DOS and Windows," 9-11 a.m.; (and 16) "Intermediate dBase IV," noon-2 p.m.; and "Advanced Electronic Mail Using PMDF for VMS," 3-5 p.m.; call 7-5430 for registration information.

(thru 18) Exhibitions, BFA shows in painting by Rob Lewis, Mike Simon and Scott Henry, Rotunda and South Galleries, East Hall, weekdays, 10 a.m.-5 p.m.; reception, Friday, March 18, 6-8 p.m.

Doctoral oral examination, "Interim Summative Evaluation: Assessing the Value of a Long-Term or Ongoing Program During Its Operation," Sharon Dodson, educational leadership, B-429 Ellsworth Hall, 4:30 p.m.

Visiting Scholars and Artists Program lecture, "Perilous Ideas: Race, Culture and Ethnicity," Eric R. Wolf, distinguished professor of anthropology, City University of New York, 2302 Sangren Hall, 7 p.m.

Guest artist recital, Francis Orval, horn, Dalton Center Recital Hall, 8 p.m.

WMU Shakespeare Festival lecture and discussion, "Public Morality in the Plays of Shakespeare with Special Attention to 'Measure for Measure,'" moderated by Ralph C. Chandler, political science and public affairs, 3321 Brown Hall, 8 p.m.

Tuesday, March 15

*Breakfast program for alumni and friends, "Coming to America," international student panel moderated by Barbara C. Garland, international student services, Fetzer Center, 7:30 a.m.; call 7-8777 for reservations.

(thru 17) Annual sale of books, music and recordings, Music and Dance Library, 3008 Dalton Center, 8 a.m.-11 p.m.

Doctoral oral examination, "The Effects of a Therapy Review Board Procedure on Denial and Self-Disclosure of Incarcerated Sex Offenders," Richard M. Happel, counselor education and counseling psychology, 3210 Sangren Hall, 1:30 p.m.

Visiting Scholars and Artists Program sessions with Eric R. Wolf, distinguished professor of anthropology, City University of New York: lecture, "Problems in Evolutionary Anthropology," 204 Bernhard Center, 10 a.m.; and informal seminar, 2010 Friedmann Hall, 2 p.m.

*(and 17) University computing services workshop, "Introduction to Microsoft Windows," 2033 University Computing Center, 3-5 p.m.; call 7-5430 for registration information.

Faculty development services program, "Designing Courses to Enhance Student Learning," Alison A. Carr, educational leadership, 3001 Waldo Library, 3:30-5 p.m.; call 7-5305 to register.

Visiting Scholars and Artists Program events with Jodi Bilinkoff, associate professor of history, University of North Carolina at Greensboro: panel discussion, "Gender and Power in Medieval European Christianity," 2750 Knauss Hall, 3:30 p.m.; and lecture, "The Case of Maria de Santo Domingo: Religion, Gender and Authority in Early 16th Century Spain," 3750 Knauss Hall, 7 p.m.

WMU Shakespeare Festival demonstration of stage weaponry and battle techniques, York Arena Theatre, 4 p.m.

College of Education research colloquium, "Analyzing Qualitative Data ... Ethnograph?," James M. Croteau, counselor education and counseling psychology, Margie J. Geasler, consumer resources and technology, and Carol J. Heineman, graduate student in counselor education and counseling psychology, 2308 Sangren Hall, 4:30-5:30 p.m.

Wednesday, March 16

*University computing services workshops, 2033 University Computing Center: "Electronic Mail Using Emc2/TAO for IBM 3090," 9-11 a.m.; (and 18) "Introduction to Microsoft Powerpoint for Windows," 3-5 p.m.; call 7-5430 for registration information.

(thru 30) WMU annual student art exhibition, Dalton Center Multi-Media Room, Mondays thru Saturdays, 10 a.m.-4 p.m.; awards ceremony, Monday, March 21, Dalton Center Recital Hall, 5 p.m., reception following in Multi-Media Room.

Student employment referral service internship information workshop, career services conference room, first floor, Ellsworth Hall, 10 a.m.; advance registration required by calling 7-2725.

Ninth annual Spring Into Wellness Health Assessment and Skills Fair, Bernhard Center ballrooms, 10 a.m.-4 p.m.

School of Music Convocation Series concert, student composers, Dalton Center Recital Hall, 2 p.m.

Visiting Scholars and Artists Program lecture, "Male Confessors and Female Penitents in Catholic Europe (1450-1750)," Jodi Bilinkoff, associate professor of history, University of North Carolina at Greensboro, 2302 Sangren Hall, 3:30 p.m.

Biological sciences and Bio Sci Society seminar, "Dietary Fat Regulation of Hepatic Gene Transcription," Donald Jump, Department of Physiology, Michigan State University, 5270 McCracken Hall, 4-5 p.m.; refreshments, 3:45 p.m.

WMU Shakespeare Festival lecture, "Measuring the Pound of Flesh: Women, Law and Market in 'The Merchant of Venice' and 'Measure for Measure,'" Ellen Caldwell, professor of English, Kalamazoo College, 10th floor, Sprau Tower, 4 p.m.

Geography lecture, "The Decline of the Soviet Union Effects on the Third World," A.N. Tiwari, Center for International Affairs, Harvard University, 338 Wood Hall, 4 p.m.

Graduate recital, Matthew Hughes, double bass, Dalton Center Recital Hall, 8 p.m.

Thursday, March 17

Faculty development services videoconference, "Teaching Strategies: I Taught It But They Didn't Learn It," 1027 Waldo Library, noon-2:30 p.m.; call 7-5305 to register.

Geography lecture, "Third World Countries and Democratic Movements," A.N. Tiwari, Center for International Affairs, Harvard University, 338 Wood Hall, noon.

Doctoral oral examination, "'I'll Do It Tomorrow.' A Radical Behavioral Analysis of Procrastination," Cassandra Braam, psychology, 353 Wood Hall, noon.

Graduate College writing workshop for the preparation of doctoral dissertations, specialist projects and master's theses, Graduate College Conference Room, Seibert Administration Building, 3-4 p.m.; call 7-3569 to register.

Engineering and applied sciences seminar, "Hydraulic Hybrid Automotive Systems," Richard Heintz, Society of Automotive Engineers, 3014 Kohrman Hall, 4 p.m.; refreshments, 3:45 p.m.

Computer science and mathematics and statistics colloquium, "Fixed Points of Genetic Algorithms," Alden H. Wright, University of Montana and University of Kentucky, Commons Room, sixth floor, Everett Tower, 4:10 p.m.; refreshments, 3:45 p.m.

University film series, "Into the West" (Ireland, 1993), directed by Mike Newell, 3750 Knauss Hall, 6 and 8 p.m.

56th annual Southwestern Michigan Vocal Festival closing concert, Miller Auditorium, 7 p.m.

Center for the Study of Ethics in Society lecture, "Environmental Wellness," J. Baird Callicott, professor of philosophy and natural resources, University of Wisconsin at Stevens Point, 3750 Knauss Hall, 7:30 p.m.

*(thru 19 and 24-26) University Theatre production, "Raft of the Medusa," York Arena Theatre, 8 p.m.

*Admission charged