

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

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Haenicke leads the charge in March 29 Detroit forum

The Presidents Council of State Universities took its show on the road again March 29, this time for several hundred alumni and other community leaders in Detroit. The message: The state's higher education system, and therefore the people it serves, is at risk.

As in earlier outings in Saginaw and Grand Rapids, the remedy proposed by the presidents of the state's 15 public universities was made clear to lawmakers and to those who elect them: Make higher education a higher priority if Michigan is to remain competitive in a global economy.

This time it was President Haenicke's turn to lead the charge as one of two featured speakers during the Presidents Council's higher education forum at the Rackham Memorial Building in Detroit. The other was Blenda J. Wilson, chancellor of the University of Michigan at Dearborn.

"All of you have heard one or the other of us sing a lonely song about the underfunding of his or her school," Haenicke said. "Today, however, we come before you as a whole choir. Nine presidents representing public universities in our state have joined here tonight to sing to you together."

If the song does not spur people to action, Wilson said, the state's economic growth and standard of living will decline.

"Someone looking back decades from now might say, 'Michigan's decline happened not because of what the rest of the country or the world did, but because Michigan's leaders and policy makers failed to invest in their human capital,'" Wilson said. "If that happens, all of us would be fairly accused."

Evidence of that failure already exists, Haenicke warned: "We are pleading for a healthy and competitive public university system in Michigan, which we feel is headed for trouble. We live on the reputation of past glory in many respects. We are eating up the capital. We are consuming the seed corn."

To address the issue, the presidents have called on the governor and the Legislature to increase state appropriations for 1991 by 8.5 percent -- 5 percent for inflation and 3.5 percent for "catch up" -- and by similar amounts each year through 1995.

That amounts to \$200 million in addition to increases for inflation over the five-year life of the plan. And, to implement the plan, a tax increase may be needed.

"Speaking only for myself," said David W. Adamany, president of Wayne State



HIGHER EDUCATION FORUM -- President Haenicke, left, was one of two featured speakers at a higher education forum conducted March 29 in Detroit by the Presidents Council of State Universities. With him at a news conference before the forum are, from left, Glenn R. Stevens, executive director of the Presidents Council (seen partially); Blenda J. Wilson, chancellor of the University of Michigan at Dearborn; William E. Shelton, president of Eastern Michigan University; James J. Duderstadt, president of the University of Michigan; and H. Erik Shaar, president of Lake Superior State University. Haenicke and Shelton also appeared on "Newsline," a half-hour news and interview program on WKBD, Channel 50, in Detroit earlier in the day.

University, "I believe that a modest tax increase is likely in 1991. Some of that increase could benefit higher education."

"Concurrently with the presidents' plan," Haenicke said, "the public universities will commit themselves to keep tuition increases at affordable levels, yet not compromise quality."

The plan also recommends that the bonding capacity of the State Building Authority be increased to finance "much needed facilities" and that a general obligation bond be issued "for remodeling, additions and other campus infrastructure needs," Haenicke told the audience.

Without such a commitment, the presidents have said and will say again in

Lansing and Marquette later this year, Michigan will remain mired in the bottom third of the states in its support of public higher education. If fully executed, the plan would raise the state's standing in support per full-time student from 32nd position to 15th.

Since 1977-78, Michigan's position among the 50 states in state and local tax dollars appropriated per full-time student in public higher education has eroded from 24th to 32nd (see table on page three).

In addition, Michigan's appropriations to higher education from 1979-80 to 1989-90 are at the lowest percent increase

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Scott to deliver address to Presidential Scholars

The University's top seniors will be recognized at the 10th annual Presidential Scholars Convocation Thursday, April 5, in the Fetzer Center.

A total of 41 students will be presented as Presidential Scholars, WMU's Scott highest honor to a senior. The convocation will begin with a reception at 5:30 p.m., followed by dinner and a program.

The speaker for the event will be Shirley Clay Scott, chairperson of English. The title of her talk is "Not Fitting In."

Seniors are nominated for the award by faculty members of the academic department in which they have a major. They are selected on the basis of general academic excellence, achievement in the department's programs and intellectual and/or artistic promise.

Linda M. Delene, president of the Faculty Senate, will preside at the convocation and President Haenicke will present certificates to the scholars. The event, described as "truly a celebration of the excellence of Western's students," is sponsored by the Faculty Senate and the Office of the President.

Each Presidential Scholar invites as his or her guest a faculty member from the department. Also invited to attend is this year's recipient of WMU's Distinguished Faculty Scholar Award.

The convocation committee is comprised of: Thomas E. Coyne, vice president for student services; Joe Gagie, executive director of public relations and communications; Robert H. Luscombe, dean of the College of Fine Arts; Linda L. Patterson, special assistant to the president; and Robert P. Stoddard, Faculty Senate administrator and chairperson of the committee.



WMU research centers support technology transfer

More than \$400,000 in renewal funding has been awarded by the state of Michigan to three WMU research centers to support efforts to transfer University technology to area industry and government.

The three grants, made through Michigan's Research Excellence Fund, will provide a fifth year of support for work in WMU's Applied Mechanics Institute (\$67,600), Horticultural Economic Development Center (\$132,400) and Water Resources and Contaminant Hydrogeology Center (\$212,238).

The fund was established by the Michigan Legislature in 1985 to support research at Michigan's public universities that contributes to the state's economic development.

WMU's Department of Mechanical Engineering has used the state funds to partially fund establishment of the **Applied Mechanics Institute**. The funding has allowed that institute to build a laboratory with state-of-the-art loading and measuring devices, and to focus on teaching laboratory and industrial-oriented subjects, basic and applied research in several mechanical topic areas and service to the Southwest Michigan business community through consulting, problem solving and testing.

Meshulam Groper, mechanical engineering, who directs the AMI, says the institute's facilities and research staff are of particular value to small- and medium-sized companies that cannot and should not invest capital in their own laboratories and research personnel.

"Using the AMI's Central Laboratory

for Research and Technical Assistance," he says, "companies can eliminate staffing expenses for a large and diversified team of researchers needed only occasionally, as well as large investments in laboratory equipment and maintenance and operational expenditures."

At the same time, he points out, AMI facilities also are used to support both undergraduate and graduate mechanical engineering programs at WMU and to promote greater interaction between the University's faculty and students and the region's business community.

A new focus for the AMI's work in the coming year, Groper says, will be the development of seminars and short courses to be offered in Kalamazoo and in Grand Rapids. The courses will explore such mechanical engineering topics as vibration analysis, design of experiments and finite element methods.

In addition, an AMI Advisory Board recently has been named. The seven-member board includes four representatives of industrial firms that have collaborated with the AMI since its founding and three WMU faculty and staff members.

The Department of Biological Sciences has used state REF funding to support the **Horticultural Economic Development Center**. The center was designed to provide research and service to the state's horticultural industry. Among the center's continuing projects are: work to establish cranberries as a high yield cash crop in the state; service to the state's bedding plant industry by providing access to University resources for soil and

water analyses; and development of the state's wine industry through the introduction of winemaking techniques that will increase the quality of wines from red grape varieties grown in the state.

Gina M. Antonioti, co-director of the center with Michael E. Byrne, says the cranberry project is attracting increasing interest from out-of-state growers hoping to find room to expand their production of the high demand crop. WMU researchers are working with the Michigan Department of Natural Resources to iron out site permit questions and with Michigan State University's Cooperative Extension Service to disseminate information about the possibility of cranberries as a cash crop.

In the soil and water testing area, Antonioti reports "significant increases in both the number and type of clients" seeking to use the services during 1989. More than 4,000 samples were analyzed for area growers between September 1988 and April 1989.

Winemaking research into a Bordeaux region technique called extended maceration is continuing, Byrne says, and the possibility of using the technique on an increasing number of red grape varieties is being investigated. Michigan currently grows primarily white grapes for wine production. The new technique could expand the Michigan wine industry's use of red grapes.

Future projects include coordination of the recycling of various agricultural by-products and a project that involves incorporating city leaf collections into a soil

(Continued on page three)

Second ceremony added to accommodate more students

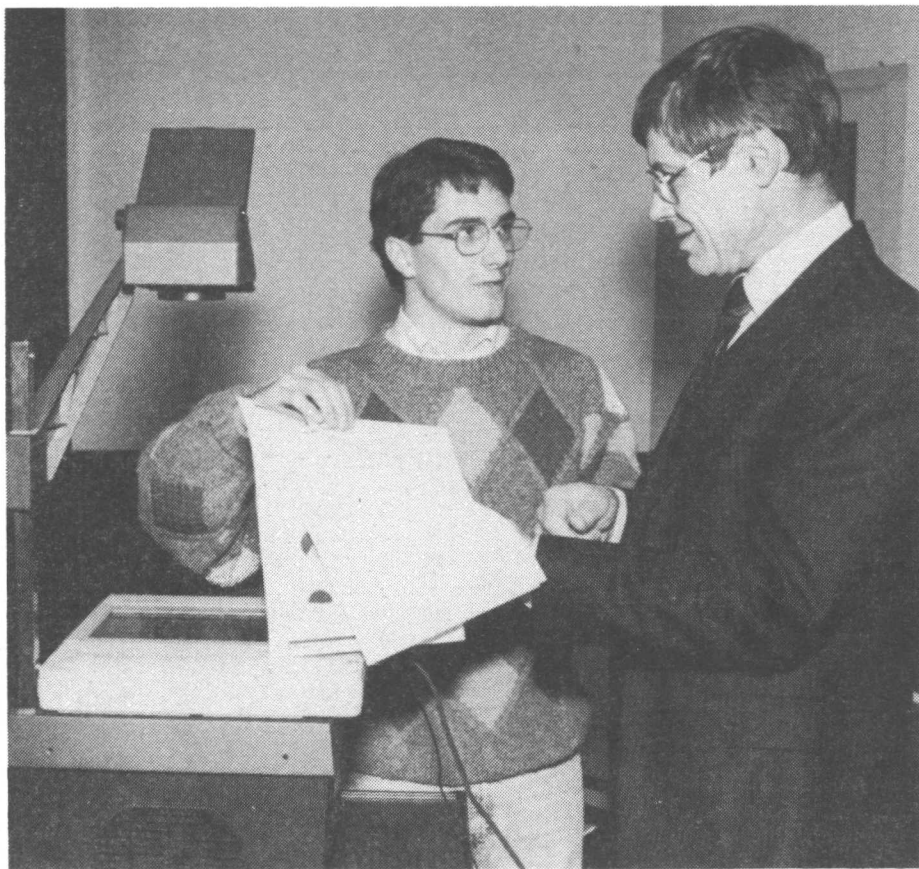
Because of the large number of students who want to participate in winter commencement, there will be two ceremonies instead of one, according to Registrar Dennis Boyle.

Commencement is set for Saturday, April 28, in Read Fieldhouse. Rather than one ceremony at 11 a.m., as originally planned, there will be ceremonies at 10 a.m. and at 2 p.m.

Undergraduate and graduate students from the College of Arts and Sciences and the College of Education will participate in the 10 a.m. exercises; students from the other colleges will participate in the 2 p.m. ceremony.

Students should plan to report to the Gary Center to line up one hour before their ceremony is scheduled to begin.

No tickets are necessary for the commencement.



PRESENTING THE BUDGET MODEL -- Provost George M. Dennison shared some of the administration's thoughts on next year's budget with the University community during two open sessions last week. He presented the computerized budget model to the Western Student Association on Wednesday and the Residence Hall Association on Thursday. Here, he goes over some graphs with Brian K. Kurzmann, left, a junior from Kalamazoo and president of WSA. Dennison answered several questions from students on such topics as the state appropriation, tuition and salaries.

New cable television system to serve campus this fall

Beginning this fall, all residential units at WMU will be served by a new cable television system, EduCABLE, that is owned and operated by the University.

"This blend of entertainment, enrichment, education, instruction and information has been designed especially for the WMU campus environment," said Frank R. Jamison, media services.

Exclusive campus services include an electronic bulletin board, with listings of important campus events and deadlines, and the WMU Student Channel, where students can share their own video productions, Jamison said. Students will receive training and borrow equipment from media services.

But that is only the beginning. The new system, which has a capacity of 60 television channels, will be free to residents. It will offer 43 channels of television programming initially; 20 radio stations, including WMUK and WIDR, the University's two radio stations; and satellite-delivered audio services that include the BBC World Service and Radio France Internationale.

"We're very excited about EduCABLE," Jamison said. "It represents one of the most complete campus cable television systems in the country, with programming to suit a wide variety of interests, groups and academic areas."

"For example," Jamison said, "EduCABLE will have the Silent Network for the deaf and hearing impaired and SCOLA for foreign-language news broadcasts as well as a number of other international programming services, primarily in French and Spanish."

The line-up includes the Learning Channel (educational TV), C-Span I (U.S. House of Representatives), C-Span II

(U.S. Senate) and the National College Television Network. It also includes weather radar on television and the NOAA audio weather advisory service as well as radio stations WJR from Detroit, WFMT from Chicago (fine arts) and KKKO from Los Angeles (jazz).

Besides offering all area broadcast channels, including public broadcasting channels 35/52 in Grand Rapids/Kalamazoo, EduCABLE will offer a number of national satellite-delivered cable services, including: Arts and Entertainment (A&E), Cable News Network (CNN), Black Entertainment Network (BET), Lifetime, ESPN, Music Television (MTV), Discovery Channel, Financial News Network (FNN), Nickelodeon, Bravo and the Weather Channel as well as TV superstations WGN from Chicago, WOR from New York and WTBS from Atlanta.

The service also will include the four Kalamazoo Community Access channels and WMU media services instructional channels. It will be delivered to all resi-

WMU conducts national conference on aging

"Aging in the 1990s: Alcohol and Other Drug Abuse" is the theme of a national conference being conducted Thursday and Friday, April 5-6, in the Detroit area by two WMU graduate specialty programs.

The two-day conference, which is expected to attract more than 200 substance abuse and gerontology professionals, is the culmination of an 18-month joint project by the Specialty Program in Alcohol and Drug Abuse (SPADA) and the Gerontology Program.

The project's purpose was curriculum development linking the two graduate specialty areas of substance abuse and gerontology and expanded contact between networks of professionals already employed in both fields. The project was supported by a \$146,922 grant from the U.S. Department of Health and Human Services' Administration on Aging.

During the conference, which will be conducted at the Novi Hilton, more than 25 presenters from 17 states will discuss issues of prevention, medicine, treatment, education and research, concentrating on the growing problem of alcohol and other drug abuse among America's aging population.

Ellen Page-Robin, gerontology, and C. Dennis Simpson, SPADA, co-directed the joint project that focused on providing graduate students in both programs with the skills needed to deal with chemically-dependent older adults. During the conference, one session will be devoted to their description of the project and an explanation of course modules they developed.

Page-Robin, Simpson and Margaret M. Bernhard, SPADA, served as the planning committee for the national conference.

Community service grant applications sought

The Michigan Campus Compact is seeking proposals from WMU faculty, staff and students for summer or fall 1990 community service projects.

Applicants may request funds of \$500 to \$5,000 for a Venture Grant in Support of Public/Community Service. Funding for the program is underwritten by the W.K. Kellogg Foundation of Battle Creek. Applications are due Monday, May 14.

The Venture Grant Program encourages the development of innovative public and

community service projects that respond to an identified need on campus or in the surrounding community. Barbara A. Rider, occupational therapy, received a \$5,000 Venture Grant in the most recent funding cycle to create an access guide for the handicapped.

Other examples of projects funded to date include: awareness activities for Earth Week at Northern Michigan University; formation of a campus group to address hunger and poverty at Hope College; hospice care training/mentoring at Albion College; and a homework hotline for middle and high school students at Alma College.

Student projects must be submitted jointly by the student or student organization and a faculty/administrative adviser. Persons interested in applying for a grant should contact Julie A. Wyrwa, student volunteer services, in the Lee Honors College at 7-3230.

Historian to speak on German art works

"The Faces of War: Captured German Art Works of World War II" is the title of a talk to be presented at WMU Thursday, April 12.

Richard M. Rupley, a retired U.S. Air Force colonel, will speak at 7 p.m. in 3760 Knauss Hall. His illustrated address, which is free and open to the public, will be sponsored by the Department of History.

At the end of World War II, more than 12,000 German works of art, some dating back to the Great War of 1914, were seized by U.S. forces and brought to this country. Many of these pieces were done by Adolph Hitler's "Artist Squadron," which was directed to create a pictorial record of the Third Reich at war.

All but 680 of these art works have been returned to Germany. The U.S. government has retained the rest under agreements reached at Yalta and Potsdam designed to eradicate Nazi propaganda.

Rupley has been researching the history of these art works and their creators, and has a collection of hundreds of slides. He served as department head, professor of aerospace studies and commander for the Air Force ROTC detachment at Michigan Technological University from 1978 until his retirement in 1982. He began pursuing a master's degree in history at WMU in 1984-85 and finished his degree at Northern Michigan University in 1988.

Subcommittee to discuss general education

Faculty, staff and students are invited to attend open working sessions of the Faculty Senate Undergraduate Studies Council's subcommittee on general education in the coming weeks.

The group will meet from 8 to 10 a.m. Fridays, April 6 and 20, in the Faculty Lounge of the Bernhard Center and Friday, April 27, in 211 Bernhard Center. The subcommittee also has planned meetings for 8 to 10 a.m. every Thursday in May and June in Room 211.

For information about the work of the committee, persons should contact Carol Payne Smith, chairperson of the Undergraduate Studies Council, in the Department of Education and Professional Development at 7-3513.

General education program changes announced

Faculty and staff members are asked to remind students of several changes affecting the University's General Education Distribution Program that have been announced by the College of Arts and Sciences.

The University requires a total of at least 35 semester hours of general education courses from five areas in order to graduate.

The general education designation for 19 courses was left out of the fall 1990 class schedule book. They are, along with their distribution areas in parentheses: Anthropology 100 (II); Art 148 (I); Art 221 (I); Dance 148 (I); Environmental Studies 110 (V); French 100 (I); French 101 (I); German 100 (I); German 101 (I); Greek 100 (I); History 210 (II); History 211 (II); Latin 100 (I); Mathematics and Statistics 116 (III); Mathematics and Statistics 122 (III); Music 148 (I); Spanish 100 (I); Spanish 101 (I); and Theatre 148 (I).

In addition, several courses for fall 1990 have been added to the program: Philosophy 350 (I); Russian 310 (I); Linguistics 100 (I); Linguistics 101 (I); and Theatre 105 (V).

Courses also have been added to the program for winter 1991: Black Americana Studies 301 (II); History 110 (II); History 220 (II); History 306 (II); and Arts and Sciences 300 (V).

Some courses have been deleted from the General Education Distribution Program as well. They include: General

Studies/Humanities 310, 402 and 410; General Studies/Social Science 351; and History 102, 301, 303, 371 and 390.

Other changes include the renumbering and/or changing of prefix for some courses. They are: General Studies/Humanities 102 to Art, Dance, Music or Theatre 148; General Studies/Humanities 409 to Women's Studies 400 (the new abbreviation is WMS); General Studies/Social Science 222 to Women's Studies 200; General Studies/Social Science 444 to Women's Studies 410; History 369 to History 366; Physics 106 to Physics 107; Physics 110 to Physics 113; Physics 210 to Physics 205; Physics 211 to Physics 207; History 381 to History 376; and History 386 to History 388.

Some courses have changed the number of semester hours they carry from four to three hours. Those include: General Studies/Humanities 300 A, B and C; General Studies/Humanities 302; Women's Studies 400; and Women's Studies 410.

Three courses have been retitled. Anthropology 100 is now "Human Origins," rather than "Man in Evolutionary Perspective"; Black Americana Studies 300 is now "Black Experience: From the African Beginnings to 1865," rather than "Black Experience"; and History 376 is now "Modern East Asia," rather than "The Modern Far East."

Persons with questions on these changes may contact George H. Demetrakopoulos, College of Arts and Sciences, at 7-4366.

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Detroit higher education forum

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of the 11 largest states (see chart on this page). But the tide may be starting to turn, Haenicke said.

"We are encouraged by some good beginnings," he said. "The governor's recommendation for 1991 higher education funding, at a 5 percent increase, is higher than in recent years. While other state agencies face executive budget cuts, the governor has exempted higher education. These are positive signs. We want to build from there."

However, Haenicke cautioned against a short-term solution to the problem.

"Education is a long, drawn-out process, successful only if it is continuously nourished and developed," he said. "Roller coaster funding for universities leads to the demise of careful long-range planning, which is essential to our well-being."

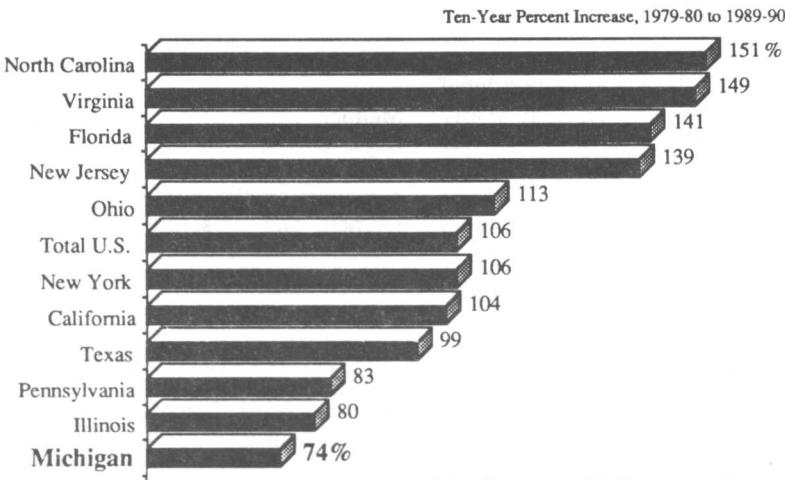
Haenicke said the universities will respond to an appropriations increase by continuing to be "good stewards" of the public funds in their care.

"We shall respond with cost containment programs and with excellent planning," he said. "We shall preserve quality by stubbornly insisting that the students in our universities deserve the best. The future well-being of our state and of our nation rests on that commitment."

If the Presidents Council's plan succeeds, Wilson said, public higher education in Michigan will be closer to the goal of renewing its excellence as well as its ability to provide competitiveness in world markets.

"Educational excellence in 21st century terms will have to mean education that successfully prepares a greater proportion of young people in general, and a greater proportion of minorities in particular, for full participation in the economic mainstream," she said. "The issues that used to be described primarily as matters of fairness and social justice are now matters that are critical to our economic security as well."

Ten-year Percent Increase In State Appropriations To Higher Education In The Eleven Largest States, 1979-80 To 1989-90 (Unadjusted For Inflation).



Source: Jaschik, Scott. "State governments to spend \$39.3-billion on colleges and universities in 1989-90." *The Chronicle of Higher Education*, October 25, 1989, 36(8): A1, A20-A21.

State And Local Tax Dollars Appropriated Per Annual FTE Student In Public Institutions Of Higher Education.

1977-78		1982-83		1988-89	
Rank					
1.	Alaska \$5,638	1.	Alaska \$9,519	1.	Alaska \$9,879
2.	Connecticut 3,342	2.	Wyoming 6,021	2.	Hawaii 7,458
3.	Delaware 3,253	3.	Hawaii 5,299	3.	Connecticut 6,343
4.	Hawaii 3,177	4.	New York 3,767	4.	New York 6,309
5.	Wyoming 2,961	5.	New Mexico 3,583	5.	New Jersey 6,052
6.	New York 2,534	6.	Oklahoma 3,461	6.	Wyoming 6,028
7.	Idaho 2,525	7.	Connecticut 3,342	7.	Massachusetts 5,273
8.	Massachusetts 2,402	8.	Delaware 3,253	8.	Maine 5,207
9.	California 2,394	9.	Rhode Island 3,199	9.	California 5,131
10.	Minnesota 2,349	10.	Iowa 3,197	10.	Florida 4,723
11.	Utah 2,254	11.	Georgia 3,193	11.	Rhode Island 4,671
12.	Pennsylvania 2,253	12.	Idaho 3,147	12.	Delaware 4,649
13.	Rhode Island 2,242	13.	Utah 3,098	13.	New Mexico 4,574
14.	Wisconsin 2,236	14.	Montana 3,055	14.	Idaho 4,416
15.	Kentucky 2,232	15.	California 3,050	15.	Tennessee 4,396
16.	Nevada 2,226	16.	New Jersey 3,013	16.	Washington 4,274
17.	Washington 2,220	17.	Massachusetts 2,937	17.	North Carolina 4,242
18.	Iowa 2,196	18.	Louisiana 2,909	18.	Georgia 4,235
19.	New Jersey 2,195	19.	Pennsylvania 2,902	National Average 4,234	
20.	New Mexico 2,108	20.	Minnesota 2,849	19.	Minnesota 4,231
21.	Colorado 2,061	21.	Texas 2,820	20.	Nevada 4,085
22.	Missouri 2,047	22.	Wisconsin 2,795	21.	Iowa 4,073
23.	Indiana 2,027	National Average 2,790		22.	Pennsylvania 4,068
National Average 2,017		23.	North Dakota 2,760	23.	Wisconsin 4,028
24.	Michigan 1,968	24.	Kansas 2,712	24.	Missouri 4,017
25.	North Dakota 1,929	25.	Maryland 2,703	25.	Utah 4,017
26.	Nebraska 1,908	26.	Maine 2,610	26.	Maryland 4,011
27.	Illinois 1,896	27.	Nevada 2,600	27.	Indiana 3,993
28.	South Carolina 1,896	28.	Washington 2,596	28.	Arizona 3,882
29.	Montana 1,888	29.	Nebraska 2,595	29.	Virginia 3,876
30.	Oregon 1,884	30.	Florida 2,567	30.	South Carolina 3,790
31.	Kansas 1,874	31.	Virginia 2,550	31.	Oregon 3,789
32.	Maryland 1,860	32.	South Carolina 2,515	32.	Michigan 3,766
33.	Georgia 1,831	33.	Michigan 2,467	33.	Kansas 3,725
34.	South Dakota 1,829	34.	Missouri 2,446	34.	Oklahoma 3,698
35.	Arkansas 1,818	35.	North Carolina 2,428	35.	Nebraska 3,632
36.	Tennessee 1,747	36.	Tennessee 2,427	36.	Illinois 3,595
37.	Louisiana 1,727	37.	Arkansas 2,421	37.	Alabama 3,581
38.	Arizona 1,718	38.	Indiana 2,413	38.	Montana 3,502
39.	North Carolina 1,648	39.	Arizona 2,371	39.	Arkansas 3,497
40.	Florida 1,630	40.	Oregon 2,370	40.	Kentucky 3,436
41.	West Virginia 1,629	41.	Illinois 2,359	41.	Ohio 3,423
42.	Oklahoma 1,628	42.	Mississippi 2,258	42.	Mississippi 3,343
43.	Texas 1,618	43.	Alabama 2,155	43.	South Dakota 3,138
44.	Mississippi 1,612	44.	West Virginia 2,089	44.	Texas 2,953
45.	Ohio 1,601	45.	South Dakota 2,071	45.	Colorado 2,941
46.	Alabama 1,594	46.	Colorado 2,061	46.	West Virginia 2,918
47.	Maine 1,583	47.	Ohio 2,020	47.	North Dakota 2,803
48.	Virginia 1,569	48.	Kentucky 1,779	48.	New Hampshire 2,782
49.	New Hampshire 1,343	49.	Vermont 1,673	49.	Louisiana 2,598
50.	Vermont 1,145	50.	New Hampshire 1,633	50.	Vermont 2,337

Source: Halstead, Kent. *State Profiles: Financing Public Higher Education 1978 to 1989*, Washington, D. C.: Research Associates of Washington, 1989, p. 68. 12th edition.

Health care program marks 10 years

Two internationally known researchers on the mind-body link in health care will speak on campus in the coming weeks to mark the 10th anniversary of the Specialty Program in Holistic Health Care.

Joel Elkes, professor of psychiatry and behavioral sciences at the University of Louisville School of Medicine, will give a lecture at 6:30 p.m. Tuesday, April 10, in 2303 Sangren Hall. Elkes is shepherding significant changes in how medical students are being trained on the Louisville campus.

Herbert Benson, associate professor at Harvard Medical School, will be the keynote speaker at the program's anniversary banquet at 6:30 p.m. Monday, April 16, in the Fetzer Center. He will address "The Faith Factor: Where Science and Religion Meet."

The presentations are being co-sponsored by the WMU College of Health and Human Services and the Fetzer Institute. They are free and open to the public. However, seating is limited for the \$10-per-person banquet. For reservations, persons should call 7-2638.

Pioneered by William A. Burian, the late dean of the College of Health and Human Services, and Richard Williams, a Kalamazoo psychologist, the Specialty Program in Holistic Health Care broke new ground in providing a multi-disciplinary and complementary approach to health care for students seeking careers in that field.

"When the program was launched, it presented concepts then considered non-traditional in contemporary health care," said Molly B. Vass, community health services, who directs the program.

Ten years later, many have entered mainstream health care, she said, including biofeedback, stress management, how

nutrition affects how people think and feel, fitness, visualization, meditation and the role of spirituality in health and healing.

Students majoring in such fields as counselor education and counseling psychology, social work, psychology, speech pathology and audiology, occupational therapy, dietetics and nutrition, blind rehabilitation and mobility and exercise science are encouraged to sample the 18 credit hours available in holistic health. These classes, she said, can be applied to graduate programs in business, public administration, theology, nursing, medicine and education.

40 undergraduate students to present research at conference planned by Lee Honors College

About 40 students will present their work at an Undergraduate Research Conference Monday, April 9, in the Bernhard Center.

The event will run from 9 a.m. to noon and 1 p.m. to 4 p.m. in Red Rooms B and C and in Room 205. It is free and open to the public.

WMU's Lee Honors College received a grant from the Kalamazoo Consortium for Higher Education to sponsor the conference. A majority of the presenters will be students who have received WMU Undergraduate Research and Creative Activities Awards during 1989-90.

There also will be presentations by students who are working on their honors theses through the Lee Honors College. In addition, students from Kalamazoo College, Nazareth College, Kalamazoo Valley Community College, Davenport

College and the Kalamazoo Area Mathematics and Science Center have been invited to speak.

The presentations will be in the areas of the humanities and the natural and social sciences. Topics will range from "A Music Tutorial for Aural Comprehension" and "Domestic Violence in Kalamazoo" to "Solvent Recovery Systems in the Environment Today."

This is the first conference of its kind at WMU, and organizers hope it becomes an annual event.

"This is a great opportunity to bring undergraduate researchers into the ranks of professionalism by having a conference that exposes them to public opinion," said John E. Martell Jr., Lee Honors College.

The college plans to publish the conference proceedings.

Multiclinic to be April 6

Multiclinic, featuring an update on a 31-year-old developmentally disabled woman, will be presented by the Center for Human Services at 2 p.m. Friday, April 6, in Studio A of Dunbar Hall.

The client was evaluated by the committee previously in 1973 and in 1982. She currently has two children and lives independently. Presenters will represent a number of departments at the University as well as the community.

Research centers

(Continued from page one)

contamination and natural processes; delineation of gasoline spills underground and remediation of hydrocarbon-contaminated aquifers; study of the vulnerability of ground water to contamination; and study of the suitability of natural clays for liners beneath contaminant sources.

According to Richard N. Passero, geology, who directs the center, this year's funding will support three areas of research. All three areas have grown out of earlier REF funding.

The first main research focus will be on laboratory and field studies related to leaking underground storage tanks and information necessary to clean up resulting petroleum product spills. In recent months, REF research has led to the development of two devices and related technologies that may lead to substantial environmental and economic benefits to the state.

An Aquifer Dipstick has been developed to determine the location and thickness of a petroleum-contaminated layer in an aquifer. Refinements to the tool are now being completed before turning it over to the commercial sector for public sales. The second device, which is in an earlier stage of development than the first, would be used to separate industrial solvents and other heavier-than-water chemicals from water at contaminated sites. That tool also is planned for commercial development.

The second main focus this year is continuation of an extensive study of the Schoolcraft aquifer located in Kalamazoo and St. Joseph counties. The study is aimed at relieving economic stress to the counties caused by agriculturally-linked nitrate contamination of the local water supply. Strategies being investigated to solve the problem include the location of alternate ground water supplies and development of new technology to treat or mitigate the effects of nitrate contamination.

The center's third focus involves assisting businesses by developing sound and easily accessible information that can be used to locate a facility with minimum environmental risk so that firms can be confident that there is as little risk as possible of future liability. A micro-computer-based assessment system has been developed by the center to address the issue.

Grant to boost number of KVCC minority transfers

Using tools that have successfully improved student performance at WMU, the institution and Kalamazoo Valley Community College have joined forces to boost both the number and the success rate of KVCC minority students who transfer to WMU.



Gilling

The two institutions were awarded a \$50,000 grant last academic year and a recently announced \$61,000 renewal grant for the 1990-91 academic year through the new Michigan College/University Partnership Program, which is administered by the Office of Minority Equity in the Michigan Department of Education. The program is designed to increase the number of minority students transferring between partner two-year and four-year institutions.

"We are most pleased that the state Department of Education and the Office of Minority Equity have recognized the achievement and potential of our program with this grant renewal," says Stanley E. Henderson, admissions and orientation, who directs the program at WMU.

He says the WMU/KVCC partnership -- called Project Focus -- is designed to address a statewide problem mirrored by KVCC enrollment figures.

Citing the "disproportionate number of underrepresented minority students enrolled at Michigan community colleges as opposed to the numbers enrolled at four-year institutions," Henderson says the goal of the program is to enlarge the scope of higher education opportunities available to those students and to increase their transfer rates to four-year institutions.

"Minority students do have access to higher education," he says, "but it is limited and without opportunity for successful closure."

Too many minority students, he says, are pursuing terminal degrees at community colleges with no thought of transfer for a baccalaureate degree. Many others accumulate random courses and never finish.

While minority enrollment at KVCC has averaged 874 students a year for the past five years, the average number of

those students transferring to WMU in the same period has averaged only 32, Henderson says. That group represents 82 percent of KVCC minority students who transfer to all Michigan public universities.

Henderson says the goal of Project Focus is to boost the five-year average of minority transfers from KVCC to WMU by at least 50 percent -- and to assure that those transfer students have a high success rate after they enroll at WMU.

To do that, WMU and KVCC have developed a program of structural support and intervention needed to compensate for inadequate academic preparation and low aspirations.

"We must address the preparation and aspiration issues head-on," Henderson says.

In addition to Henderson, the project staff includes faculty members at both institutions and a program coordinator who is based at KVCC. Maxine R. Gilling, formerly an undergraduate adviser in WMU's College of Education, was named to the position of coordinator last fall and already is recruiting KVCC students for the project. A 1979 graduate of KVCC, she earned a bachelor's degree from WMU in 1984 and currently is working toward a master's degree.

Gilling's recruitment efforts already have attracted 66 KVCC students to Project Focus. About 20 of those students expect to transfer to WMU next fall.

Targeted initially at full-time minority students, Henderson says the WMU/KVCC partnership strives to establish early ties between the KVCC students and the University and to "make the transfer process an embedded part of the community college experience, rather than a culmination of it." The project brings participating students to WMU for one campus visit and two cultural activities each semester.

Students selected to participate in Project Focus undergo initial screening and assessment testing to identify strengths and weaknesses and to make appropriate placements in regular or remedial courses.

Participating students take a core of developmental courses that includes two psychology courses focused on developing self-awareness and self-management techniques. They also take a course titled "University 101" that has been used successfully on the WMU campus

to familiarize students with University resources and how to use them.

In addition to the developmental core classes, students are directed into clusters of general education classes and offered supplemental instruction in the form of tutors to enhance their performance.

A student/faculty mentor program, already used successfully at WMU, is being developed and close monitoring of student progress also is being used in the partnership program. Work/study and financial aid opportunities for participating students are two other important ingredients in the program.

Gilling reports that she already has noticed a positive reaction from Project Focus students.

"They really respond to the close monitoring and interest shown in them," she says. "Students in the program are now recruiting others."

Henderson says the KVCC/WMU partnership supplements a number of existing ties between the two institutions. WMU already utilizes a host of full-service recruitment activities directed at KVCC students.

They include: monthly visits by admissions and orientation staff members; information and assistance on transfer regulations and procedures, financial aid, scholarships, day care and minority student services; on-site advising to KVCC students by personnel from each WMU college; two yearly Presidential Scholarships designated for KVCC students; one WMU Distinguished Community Scholar Award per year; and follow-up contact between KVCC personnel and transfer students.

Tanis named Fellow of national society

John A. Tanis, chairperson of physics, has been selected as a Fellow of the American Physical Society.

The 40,000-member organization each year elects to the status of fellowship a



Tanis

number of its outstanding members who have contributed to the advancement of physics by independent, original research or who have rendered some other special service to the cause of the sciences. This year, 167 people were chosen for the designation.

Tanis will be honored at the annual meeting of the APS's Division of Atomic, Molecular and Optical Physics May 21-23 in Monterey, Calif., for his many contributions in the area of accelerator atomic physics.

A WMU faculty member since 1980, Tanis has been the recipient of several grants to support his research. Since 1983, he and Eugene M. Bernstein, physics, have been awarded nearly one-half million dollars from the U.S. Department of Energy.

Currently, they are studying fundamental interactions in ion-atom collisions. These studies are carried out using accelerators at the Lawrence Berkeley Laboratory in California, the Argonne National Laboratory in Illinois, the Hahn-Meitner Institute in Germany and the Department of Physics at WMU.

Tanis is the author or co-author of numerous articles published in scholarly journals and presented at professional meetings. He has been a member of the APS since 1975.

Chemist wins new award from Research Corp.

A WMU chemist has received a \$10,000 grant from an Arizona foundation to support his basic research into chain reactions that are used in the manufacture of pharmacological products.

William J. Kelly, chemistry, received a Cottrell College Science Grant from the Research Corp., a Tucson foundation that focuses on the advancement of science and technology.

Cottrell College Science Grants are awarded by the Research Corp. to support basic research in the physical and life sciences by beginning researchers or by senior researchers who wish to begin research in a new area. Awards are typically made to researchers at predominantly undergraduate colleges and universities and student involvement in the research is encouraged.

Kelly's research is aimed at bridging the gap between two distinct areas of chemistry -- synthetic chemistry and organic chemistry -- to determine if a reaction process that commonly occurs in one area will occur in the other. His

project is titled "Electron Transfer from Carbonylmetallate Anions to Electron Acceptors: Chain or Non-Chain Processes?"

Kelly says electron transfer reactions are one of the main reaction pathways in organic chemistry. Reactions that use the mechanism are important because they allow the formation of compounds that are impossible to form by other reaction processes. Electron transfer reactions are a useful tool in synthetic chemistry and are employed in the preparation of pharmacological products.

Through his research, Kelly also is seeking to determine whether some useful industrial compounds can be formed by an electron transfer process. If so, he says, a number of new compounds with useful properties could be produced.

A member of the faculty since 1986, Kelly was conducting organic electron transfer research as a postdoctoral research associate at Purdue University for five years before coming to WMU.

Breisach awarded NEH senior fellowship for research on 'progressive historians'

A WMU historian has been awarded a senior fellowship from the National Endowment for the Humanities to support his current sabbatical year research on early 20th century American historical thought.



Breisach

Ernst A. Breisach, history, was awarded the fellowship to support his study of a generation of historians called "progressive historians." These scholars dominated historical thought during the early years of this century and their ideas still play a prominent role in the way American scholars view history. His study is being developed into a book that is scheduled for completion in late 1990.

Progressive historians, Breisach says, flourished in this country during the first half of the century. Among them were Charles Beard, James Harvey Robinson, Carl L. Becker and Harry Elmer Barnes.

Beard is particularly remembered for his 1927 book, "The Rise of American Civilization," which became a runaway best-seller and served as a formative work for subsequent generations of historians.

The work of the progressive historians, Breisach says, occurred in the context of other attempts to modernize history writing in various Western countries. Progressive historians tried to construct a scientific history that would preserve the

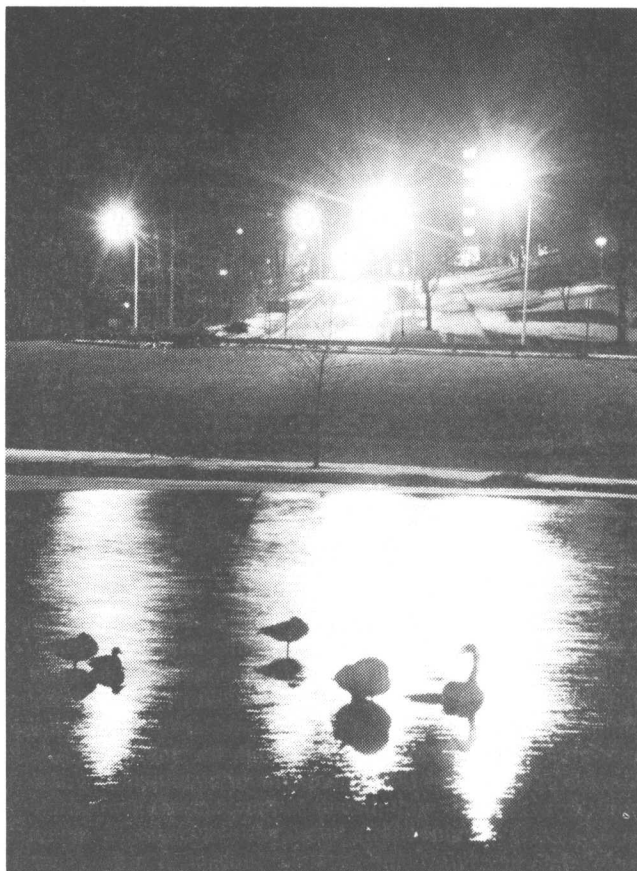
faith in progress so central to American historical thought. They formed their views prior to 1917 and became eminently successful in the 1920s by getting their interpretations accepted by many historians. In the 1930s, however, they found their interpretation of history challenged in a climate of relativism and ideological passions.

Progressive historians lost their dominance after 1945, Breisach says, when their belief in the importance of social conflict seemed at odds with the prosperity and tranquil social atmosphere of the 1950s. However, he notes, a number of their fundamental beliefs are still found among historians today. Those ideas include: the view of American history as a history of social conflict; the idea that humans are primarily guided by economic motives; and the belief that history can help bring society to a greater perfection.

"Theirs was a very optimistic school of thought," Breisach says, "and they were very sure they knew where the nation was going."

Breisach's interest in progressive historians stems from research he did for his 1983 book, "Historiography: Ancient, Medieval and Modern," which has won international recognition as the only continuous treatment of the development of history writing by one person in any language.

"In the course of writing that book," Breisach says, "I found some discrepancies in American history writing around the turn of the century. They intrigued me and that's what led me to write this book."



Streetlit swans

The swans and other waterfowl who live near the Goldsworth Valley Pond appear as silhouettes in the streetlights in this shot by Neil G. Rankin, news services.

Gossman writes law text with Arthur Miller

What's the proper way to form a business contract or prepare a business loan? Those questions and many others that deal with business law are covered in a new textbook co-written by a WMU faculty member.



Gossman

Thomas L. Gossman, finance and commercial law, is the co-author of "Business Law," a 55-chapter textbook published by the Scott, Foresman/Little, Brown Higher Education Division of Glenview, Ill.

The book is designed for use in undergraduate and graduate business courses. Gossman spent five years writing the book with Arthur R. Miller, professor of law at Harvard Law School. Miller is widely known for his many publications, as well as for his extensive work in television as host of PBS's "Miller's Court" and as legal editor on ABC's "Good Morning, America."

However, it is Gossman who contributed the majority of the book's content. He wrote the first draft on 48 of the 55 chapters, drawing on his experience in preparing business law materials for presentation to undergraduate law students.

According to Gossman, "Business Law" is a basic book on substantive business law. The chapters are divided into 10 parts. They begin with legal environment background topics such as ethics and the law, courts and procedures, and constitutional law.

The chapters then explore contract law, sales and the Uniform Commercial Code, commercial paper, credit and secured transactions, property, business agencies, business organizations, government regulation and other legal considerations.

Each section offers excerpts from numerous court cases to demonstrate how the law has been applied in actual situations. The cases are followed by questions that can be used to stimulate class discussion or help students during their individual study.

"This book will prepare students in business and commercial law courses for the kinds of legal problems they're going to face in the legal system, as well as in the business world," Gossman says. "We are trying to help them understand the law in each of these important areas -- be able to reason when they get into situations that may involve a legal problem and be able to reason and understand basically when to employ the services of a lawyer."

While there are numerous college textbooks that cover business law, Gossman believes his and Miller's book differs for two reasons. "First, we took a theory approach, rather than treating the law as memorization of isolated rules," he explains. "The other books are lighter on theory; they tend to take a more rule-oriented approach to law, which is suitable in some contexts."

"Second, we tried to build in materials to give the students an understanding of the mentality of the law -- how the law thinks in each of the areas mentioned in the book -- along with a demonstration of the rules."

"If the students are able to fit those two together," he says, "they will be able

Mills earns alumnus award

G. Eugene Mills, dance, will receive a Distinguished Alumnus Award from the Division of Dance and Drama at the University of North Texas in ceremonies there April 6.

Mills graduated cum laude from North Texas State University (now the University of North Texas) in 1973 with a bachelor's degree in education. It was there that he began his serious study of concert dance, performing with the North Texas Dance Co. and starting ballet training.

In addition to being honored at a luncheon and dinner, Mills will speak to dance students about his career, specifically highlighting his touring experiences with the American Ballet Theatre. He plans to return to the University of North Texas in May to teach at the National College Dance Festival.

to develop an understanding of the law and reason to a conclusion."

Gossman already is using "Business Law" in two WMU finance and commercial law courses: "Business Law" and "Commercial Law". The textbook is available in bookstores on and near the WMU campus and in Waldo Library and the business library.

Black Professional Organization banquet set

The eighth annual WMU Black Professional Organization's League Awards Banquet is set for 3 p.m. Sunday, April 8, in the North Ballroom of the Bernhard Center.

The theme for the event is "Unity and Power in the 1990s." The speaker will be James A. Sharp, former mayor of Flint and current chief executive officer of City Management Corp. of Detroit.

Expected to be represented are members of the local chapters of the Black Business Student Association, the National Association for the Advancement of Colored People, the National Association of Black Accountants, the National Society of Black Engineers and the Black Psychology Student Association.

The cost is \$10 per person or \$80 per table. For reservations, persons may contact Mark Major at 383-2425. A limited number of tickets will be available at the door.

WMU and schools team up to look at restructuring

Society is going through a period of restructuring -- demographically, economically, technologically, socially and politically. But education, according to two WMU faculty members, is not moving in the same direction.

That must change in order to secure a future of educational excellence, say Ronald A. Crowell, education and professional development, and Patrick M. Jenlink, educational leadership.

Their concern, which is echoed by many area educators, has prompted a collaborative effort between the College of Education and several local schools.

Faculty members from WMU's Departments of Education and Professional Development and Educational Leadership are joining teachers and administrators from the Comstock, Kalamazoo, Parchment and Portage public schools and the Kalamazoo Valley Intermediate School District in participating in a nine-part videoconference/seminar series.

"Restructuring to Promote Learning in American Schools" is designed to help educators develop an understanding and vision of learning, discover how the nation's public schools can be restructured to promote learning and consider

Gross writes book on the search for God

The search for God, church and a meaningful tradition in life is the subject of a new book by Francis L. Gross Jr., religion.

"Searching for God" is designed for people who are re-examining their religious convictions. It does not espouse any particular church or religious tradition, but instead is intended to help readers find their own personal God, a fulfilling church and a meaningful religious tradition.

"In the good old USA of the 20th century, we are concerned with action and being number one," Gross says. "The puritan ethic is alive and well; we believe in work. Frequently we are devoured by that and wonder why our religion is empty."

"This book is written for people who are lost and confused. It's particularly about God, but it's not primarily an intellectual book. It's about finding places to be quiet and to be human so the world can speak to you."

Gross' book is aimed particularly at college students, who may be for the first time questioning their religious upbringing -- or lack of one -- when they go to school.

"Surely one of the main purposes of going to college in the first place is to learn new ideas as well as questioning old ones," Gross says in the book's first chapter. "But I heartily believe that your



'WOMEN OF THE YEAR' -- Some 130 people turned out March 30 at a special luncheon to recognize the two faculty members named "Women of the Year" by the Commission on the Status of Women. Here, from left, Trudy W. Stauffer, Academic Skills Center, who is president of the commission, congratulates Shirley A. Van Hoeven, communication, and Barbara S. Havira, history. Those attending also honored eight other nominees for the award and heard a speech by Beverly A. Moore, social work, who is vice mayor of Kalamazoo. The award is intended to recognize outstanding women employees and students of WMU and to increase awareness of the variety of their achievements.

changes needed for the future of learning.

The series began Feb. 14 and runs through Aug. 8. It is produced by the North Central Regional Educational Laboratory of Elmhurst, Ill., and the Public Broadcasting Service. The videoconferences are carried live on Kalamazoo Community Access Television and are viewed in a studio on campus by an audience and a panel of local educators who can interact with the national experts. In addition, the local panel conducts a seminar following the national videoconference to summarize the discussion and focus on the what needs to be done in the Kalamazoo area schools.

The videoconferences also can be viewed at several area schools, and are taped for re-broadcast on cable and use at a later date.

Organizers say the programs present a new way of looking at a topic that has received increasing national attention in recent years.

"I think the biggest source of conversation in public education, not only with educators but with businesspeople, has to do with the reform of schools," Crowell says. "You read about the reform of education nightly in the newspaper -- that

education is not doing the job and there must be reform."

Crowell and Jenlink say the concern with the current state of public education revolves around several issues: increasing numbers of at-risk students, higher dropout rates, the further deterioration of urban schools and a slow, but dangerous slide toward a two-tier school system in the nation consisting of "haves" and "have-nots."

"Society is restructuring -- not just here but around the world," Jenlink says. "If you have an education system that's not in alignment with the changes that are going on externally, then the dysfunctions become more apparent."

The reform effort outlined in the videoconferences is different from other plans because it focuses on student learning as the basis for restructuring decisions, Crowell says. Other calls to action have concentrated more on student assessment or administrative reorganization.

"We're talking about revisiting the curriculum and the role the curriculum plays in cognition and in the learning environment," Jenlink says.

The "new definition of learning" presented during the videoconferences involves having the student take a more active and inner-directed role in the learning process. Teachers would become "mediators of learning," rather than "deliverers of information," Crowell says.

"As a student enters the classroom, he or she would take on the role of an inquiring learner," Jenlink says. "The teacher would be more of an inquiring mentor. This process, rather than being directive from behind the desk at the front of the classroom, now involves students at a level of thinking, of cognition, of inquiring and of delving into what the curriculum is."

Jenlink and Crowell say the series won't provide Kalamazoo area public school educators with all the answers. Yet it is the beginning of not only a new way of looking at restructuring but also a more active role for WMU's College of Education in working with area schools on such issues.

"The education system is at a very critical state right now," Jenlink says. "We can't go in and overnight change the country."

"What we can do, however, is to fundamentally begin to address school restructuring through our thinking and our processes in this series of conferences on what needs to occur. We can also begin to prepare the community at large -- that's critical. We've got to change the mindset of the public as well as the mindset of educators."

The author of six other books, including "Introducing Erik Erikson" and "How to Survive in College," Gross is currently at work on a developmental study of Saint Teresa of Avila, a 16th century Spanish mystic, writer and reformer.

Retirements of faculty and staff members approved

The retirements of six faculty members and three staff members were approved March 16 by the Board of Trustees.

The faculty members granted retirement with emeriti status, along with their years of service and effective dates, are: Sue S. Coates, consumer resources and technology, 15 years, effective June 1, 1990; Gangaram K. Kripalani, economics, 22-1/2 years, effective June 30, 1990; Charles E. Osborne, music, 33 years, effective Dec. 31, 1990; Thelma M. Urbick, counselor education and counseling psychology, 21-1/2 years, effective June 30, 1990; Robert F. Wyman, health, physical education and recreation, 27 years, effective Dec. 31, 1990; and Joyce R. Zastrow, music, 28



Coates



Marks



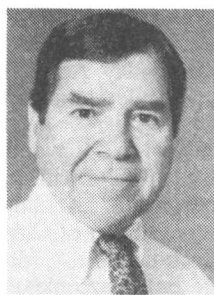
Osborne



Robinson



Urbick



Wyman



Zastrow

years, effective Dec. 31, 1990. Coates has served as chairperson of the Department of Consumer Resources and Technology since she came to the University in 1975.

The staff members retiring are: Lucian K. Marks, registrar's office, 21-1/2 years, effective Jan. 18, 1991; Sam Robinson, custodial services, 29 years, effective May 1, 1990; and Virginia M. Spicketts, dining services, 15 years, effective Feb. 28, 1990.

Data processing director appointed by Board

Alan L. Orr, the director of computer services at Grand Valley State University, will become the new director of administrative data processing at WMU this month.

His appointment, effective April 16, 1990, was approved March 16 by the Board of Trustees. He will replace James E. Mort, who has been serving as interim director of the department since the resignation in January 1989 of Timothy J. Fitzpatrick.

Orr has more than 20 years of experience in data processing. From 1960 to 1980, he was a member of the U.S. Marine Corps, spending much of that time in data processing activities. After retiring from the service, he was a systems engineer at Electronic Data Systems Inc. for a year and then joined the staff at Grand Valley as head of its administrative computer support efforts.

"The many years of experience Alan brings to this position, including his previous work in higher education, should prove valuable in the ever-changing environment of data processing," said Gerald C. Schwemmin, University controller. "We're looking forward to having him on board."

Orr earned his bachelor's degree in electrical engineering from the U.S. Naval Academy and his master's degree in personnel administration from George Washington University. He is a certified system professional, as designated by the Association for Systems Management.

Gift and grant details presented to Board members

WMU received nearly \$1.2 million in gifts and more than \$1.6 million in grants during the months of December and January, according to reports presented to the Board of Trustees at its March 16 meeting.

With December gifts totaling \$1,016,581 and January gifts totaling \$180,738, gifts to the University for the fiscal year-to-date now stand at \$2,800,137.

Both December and January gift totals included a number of major gifts made through the WMU Foundation to the "Campaign for Excellence." That six-year, \$55 million fund-raising campaign was announced by the University last April and is intended to raise funds for buildings, endowments and programs.

Included in those major gifts are: an unrestricted \$50,000 gift from the Dorothy U. Dalton Foundation of Kalamazoo; a \$50,000 gift from the Kalamazoo-based Durametallic Corp. to be used for the Hawthorn College of Business' new building; and \$10,000 of a \$50,000 pledge from Mary B. Thorne of Kalamazoo to be used for landscaping around the new Lee Honors College building.

Grants to the University totaled \$862,929 in December and \$783,624 in January, bringing the fiscal year-to-date total to \$4,702,446 -- an increase of 7.6 percent compared with the same period last year.

A renewal grant for \$61,000 from the Michigan Department of Education's Office of Minority Equity was received during December for a project headed by Stanley E. Henderson, admissions and orientation. The grant will support continued development of a cooperative

program between WMU and Kalamazoo Valley Community College to increase the transfer rate and success of minority students coming to the University from the two-year institution (see story on page four).

Also received during December was a new grant for \$10,225 from the Michigan Department of Corrections to the WMU Specialty Program in Alcohol and Drug Abuse (SPADA). C. Dennis Simpson, SPADA, will use the grant to provide outpatient substance abuse treatment services for clients at the Kalamazoo Corrections Center.

A new \$145,934 research grant was awarded during January by the Michigan Department of Education to Ruth Ann Meyer and Robert A. Laing, both mathematics and statistics. The grant will be used to develop instructional materials to support mathematics training programs for in-service teachers throughout the state.

Also received during January were two grants totaling \$110,000 from the Michigan Department of Education to the WMU Center for Science Education. One grant for \$30,000 will support the center's role in the Science Education in the Middle School (SEMSplus) project throughout the state. A second grant for \$80,000 will continue support for the center's efforts to train groups of teachers to serve as resource teams for their respective geographic areas.

Application fee increased

Students who apply for admission to the Graduate College will pay \$10 more this fall.

The Board of Trustees March 16 approved a recommendation to increase the graduate application fee from \$15 to \$25, effective Sept. 1, 1990. The non-refundable fee must accompany each application for admission to the Graduate College. The current fee was set in fall 1980.

"We believe that the increased fee will help to defray the actual cost incurred for the student recruitment efforts that are currently being expanded and upgraded," said Provost George M. Dennison.

The current undergraduate application fee is \$25.

In related action, the trustees approved two new fees for students pursuing graduate specialty program certificates. Unlike other graduate students, those students currently do not pay an application for admission or graduation fee.

Under the measure approved by the Board, those who wish to receive a graduate specialty program certificate will pay a \$25 application for admission fee and a \$30 certificate application fee, effective Sept. 1, 1990. The fees will be the same as the admission and diploma application fees paid by other WMU graduate students.

"The process of auditing and handling a certification application is comparable to that now involved in a degree application," Dennison said.

WMU offers graduate specialty programs in alcohol and drug abuse, electron microscopy, gerontology, holistic health care, and policy, planning and administration.

Supplemental funding of \$68,338 from the National Aeronautics and Space Administration was received during January by Arthur Hoadley, aircraft and automotive engineering, to support his continuing efforts to develop and test an Airborne Information Management System, which is used to gather flight data.

Dunlap named chairperson of military science

Lt. Col. Joseph H. Dunlap III has been named chairperson and professor in the Department of Military Science.

His appointment, effective Jan. 29, 1990, was approved March 16 by the Board of Trustees. He replaces Maj.

Daniel J. Swacina, who had been serving as interim chairperson of the department since the retirement of Lt. Col. Americus M. Gill Jr. last June.

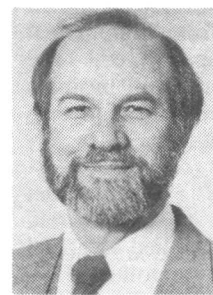
A senior army aviator, Dunlap has served in a variety of command and staff positions in ground and air cavalry units. He came to WMU from a position as assistant professor of military science at the University of Wisconsin at Whitewater.

Dunlap earned his bachelor's degree from Whitworth College in Spokane, Wash., and his master of business administration degree from the City University of Seattle.

In other action, the Board approved the reappointment of these two department



Dunlap



Lawson



Rossi

chairpersons to five-year terms: E. Thomas Lawson in religion; and Ernest E. Rossi in political science. Both are effective July 1, 1990.

The trustees also accepted these resignations: Dianne C. Hollenbeck, computer science, effective Feb. 12, 1990; and Marion Pratkanicki, music, effective April 28, 1990.

In addition, the Board approved a leave of absence for Susan D. Kieft, speech pathology and audiology, from Aug. 14, 1990, to April 27, 1991; and a professional development leave for Carl W. Doubleday, music, from May 15, 1990, to Aug. 15, 1990.

Board awards contracts

The Board of Trustees has awarded a construction contract to Maxwell & Associates of Kalamazoo to renovate three more buildings in the Elmwood Apartments.

The contract, for \$1,017,900, was approved March 16 by the Board. Maxwell was the low bidder. During the first three phases of the project, 117 apartments have been renovated.

Renovation includes new roofs, synthetic plaster exteriors, new doors, new windows, steel stairs and handrails, upgraded electrical systems, new kitchen cabinets and appliances, new bathroom fixtures, air conditioning and carpeting.

The project is expected to begin about May 7 and be completed by Aug. 10.

In other action, the Board awarded a contract for \$131,000 to the Miller-Davis Co. of Kalamazoo to construct an "antenna farm" on East Campus. The "farm" will include a building to house equipment for the reception and distribution of satellite signals.

The project, a part of expanded telecommunication services at the University, is expected to be completed this spring.

The Board also approved the purchase of property at 1115 Sutherland Ave. for \$45,000. The property will become part of the University's parking system, from which the revenue to purchase it will come.



OPEN HOUSE -- Community leaders were invited to attend an open house March 30 at the University's Southwest Regional Center at Lake Michigan College in Benton Harbor. Participants toured the center's recently remodeled offices, which were expanded with the departure recently of Michigan State University. Among those who attended were, from left, Sharafat Khan, corporate vice president for human resources and public affairs at the All-Phase Electric Supply Co. of Benton Harbor; Gale Cutler, chairperson of the Michigan Information Technology Network; Christina L. Davis, center director; Cathy Charlesworth, training and human resources development specialist for Zenith Data Systems of St. Joseph; Geoffrey A. Smith, dean of the WMU Division of Continuing Education; and Richard T. Burke, WMU vice president for regional education and economic development.

Packaging efforts earn Wygant national award

Three years of research aimed at developing child-resistant packaging that is easy for adults to open has resulted in a national poison prevention award for a WMU faculty member.



Wygant

Robert M. Wygant, industrial engineering and Institute of Technological Studies, has been named the recipient of the seventh annual "Protective Package of the Year" award by the Children's Hospital of Alabama and the Southeast Child Safety Institute.

The award, which is made to the "corporation or individual involved in the development of a new packaging concept which contributes to the safe sale, storage and use of medication," was given to Wygant to honor his recent work for the U.S. Consumer Product Safety Commission (CPSC). The award was presented at a March 19 news conference at Children's Hospital of Alabama in Birmingham.

Accompanying Wygant to Alabama were Paul V. Engelmann and Charles F. Woodward, both engineering technology, who are members of the research team involved in the CPSC project. Also in attendance at the news conference were a representative of the CPSC and the directors of the Child Safety Products Division of the Southeast Child Safety Institute. The conference kicked off National Poison Prevention Week, March 18-24.

According to William A. King, divisional director of childhood injury prevention resources at Children's Hospital, the award to Wygant is an attempt to recognize "outstanding work and research in the area of changing the basic design and concept of child-resistant packaging that has been in use for 20 years." Awards in several previous years, he says, were made to such companies as Bristol Myers, Miles Laboratories and Phillips Roxane. This is only the second such award made to recognize contributions by an individual.

Wygant's work on the child-resistant packaging project began in 1987 when the CPSC commissioned three universities, one of which was WMU, to design packaging that retained the safety level of child-resistant packaging currently in use but was easier for adults, especially senior citizens, to open.

The package redesign was done specifically for packaging that would contain prescription or non-prescription drugs and was undertaken to combat a growing problem of ingestion poisonings in children that occur when older adults disable child-resistant packaging. A 1985 survey of U.S. Poison Control Centers indicated that about 20 percent of ingestion poisonings occurred in the homes of grandparents.

Following an initial year of work by WMU, Michigan State University and the University of Wisconsin, the CPSC commissioned Wygant and the WMU team to complete the project by refining the selected design and fulfilling CPSC testing

protocol requirements. Wygant directed those efforts, and, with the final testing recently completed, the design, drawings and test results are now in the hands of CPSC officials in Washington, D.C.

The design, which will be suggested to manufacturers as a low-cost alternative for packaging already in use, features a two-piece bottle cap similar to currently used caps that require the user to "push down and turn." Since it is often difficult for older adults to exert the force necessary to activate those caps, the new design decreases the amount of downward force necessary. The new design also offers consumers the option of using a tool, such as a spoon, to open the cap and to lock the cap back in place. The tool eliminates the need for any downward pressure and serves as a handle offering additional leverage when turning the cap.

The project involved the efforts of five WMU faculty members and a number of students. The team worked with the Simco Molds Co. of Kalamazoo to produce the prototype mold and to revise the mold as the bottle cap design was refined during testing. The final design and drawings were produced by WMU's Computer Aided Engineering Center using the CADKEY system.

Physician Assistant graduates rank third in nation

Graduates of WMU's Physician Assistant Program are demonstrating that they're ready for the challenges of the field once they complete their coursework.

The 1989 graduating class placed third in the nation on the Physician Assistant National Certifying Examination. This is the second time in 16 years that the graduates have placed third on the test and the 10th time they have been in the top 10.

Media

Ruth Ann Meyer, mathematics and statistics, discusses new mathematics education efforts on "Focus," a five-minute interview produced by the Office of Public Information. "Focus" is scheduled to air Saturday, April 7, at 6:10 a.m. on WKPR-AM (1420) and at 5:45 p.m. on WKZO-AM (590).

"Pixie" is the title of a program produced by media services scheduled to air on Kalamazoo Community Access Television April 7-13. The philosophy program for children will air on Channel 30 at: 5:55 p.m. Saturday, April 7; 7:55 p.m. Monday, April 9; 5:55 p.m. Wednesday, April 11; and 6:55 p.m. Friday, April 13.

Senate

The Budget and Finance Council of the Faculty Senate will meet at 3 p.m. Tuesday, April 10, in Conference Room C on the third floor of the Seibert Administration Building. Agenda items include a presentation on the budget and a Lansing update by President Haenicke.

Jobs

The listing below is currently being posted by employment services in the Department of Human Resources. Interested fringe benefit 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) Assistant Professor (Tenure Track; 1.25 FTE), I-30, Counseling Center, 89/90-368, 4/3-4/9/90.

(R) Library Assistant II, S-05, Waldo Library, 89/90-381, 4/3-4/9/90.

(R) Secretary II (Term ends 8/31/90; 0.5 FTE), S-05, Center for Human Services, 89/90-382, 4/3-4/9/90.

(R) Radio Operator, P-02, WMUK, 89/90-383, 4/3-4/9/90.

(R) Activity Therapist, P-04, Center for Developmentally Disabled Adults, 89/90-384, 4/3-4/9/90.

(R) Replacement

WMU is an EEO/AA employer

On campus

READY TO RELOCATE -- Jeanine M. Bartholomew is looking forward to this summer -- and not necessarily because of the weather. An academic adviser in the Lee Honors College, she's anticipating a move in the next few months from Hillside West to the new Lee Honors College facility near Rood Hall. "It looks terrific," she says. "Of course, we're not looking forward to packing boxes, but we are looking forward to moving." Bartholomew has been an employee since she graduated from WMU with a bachelor's degree in communication and English in 1980. She worked in the old snack bar in the Bernhard Center and in Spindler Hall for the Office of Residence Hall Facilities before joining the Lee Honors College staff in 1983. She works primarily with freshmen and sophomores, helping them choose classes and providing other academic advising. She also is in charge of the college's part of freshman and transfer orientation, and helps with recruitment by attending Gold Pride receptions and Western Fridays. In addition, she edits the college's monthly newsletter and is the adviser for three student organizations. "I love



the student contact," says Bartholomew, who expects to receive her master's degree in the administration of student personnel services from WMU in April.

There are 50 physician assistant programs in the country with graduates taking the examination. The score for each school is averaged and ranked every year. The 1989 examination was administered in October and results were released in February.

All 23 WMU students who took in the examination last year passed the test. In the past 16 years, 96 percent of the WMU students who took the examination passed it; in the past five years, 98 percent passed.

"This says that our students are very well prepared to perform clinical services after graduation," says James B. Hammond, community health services, who directs the program.

The Physician Assistant Program is an undergraduate-level course of study that provides clinical and classroom training for assistants to physicians in primary health care. The assistants perform many of the tasks required in a medical practice, such as administering complete physical examinations and diagnosing and treating common problems while working under the supervision of a physician. Many find jobs in Michigan's rural and other under-

served areas upon graduation.

Since the program was established at WMU in 1972, 345 students have completed the coursework. The examination most states require physician assistants to take before they are licensed is prepared by the National Board of Medical Examiners, the same organization that prepares examinations for physicians. The test is administered by the National Commission of Certification of Physician Assistants.

Students are tested on both their medical knowledge and clinical problem-solving skills during the two-day examination. They must complete several written components, and must perform a timed and observed physical examination on a live "mock" patient.

WMU's Physician Assistant Program is accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association.

Service

These faculty and staff members are recognized for five, 10, 20 and 25 years of service to the University in April:

25 years -- C. Edward Smith, physical plant-general services.

20 years -- Philip H. Kramer, social work.

10 years -- Joyce N. Ball, Valley I dining service; Vicki L. Cox, physical plant-administrative services; Judy K. Dinda, residence hall custodial; Donna A. Fitch, paper and printing science and engineering; Norma J. Lockway, Valley I dining service; and Roger K. Mills, physical plant-B/E maintenance.

Five years -- Janice B. Bailey, Valley I dining service; John S. Belco, Western's Campus Bookstore; Sherrill Busboom, community health services; Ruth M. Doty, Henry/Hoekje/Bigelow dining service; Conrad P. Factor, physical plant-B/E maintenance; Eugene F. Keck, public safety; Dora L. Secondi, physical plant-custodial services; Ruth E. Solomon, Education Library; Eddie J. Starks, public safety; and Robin L. VerHage, Burnham dining service.

Exchange

FOR SALE -- Almost-new bunk beds, \$230 or best offer. Call Jan at 7-4040 or 372-1296.

FOR SALE -- Cordata IBM compatible computer; 704KB RAM; 10MB hard disk; math co-processor; software; transportable with built-in very high resolution nine-inch green screen; serial and parallel ports; \$550. Call Philip P. Micklin at 7-3407.

FOR SALE -- Sharp 1500 pocket computer (4K RAM) with built-in BASIC; printer/plotter/cassette interface with charger; 4K RAM expansion memory module; five applications modules; printer paper and pens; used very little; \$225. Call Philip P. Micklin at 7-3407.

Human Resources

SDM&G schedules supplemental retirement planning meetings

Being free from financial worries after retirement requires pre-planning -- and the sooner, the better!

Scott, Doerschler, Messner & Gauntlett, University consultants, are inviting faculty and staff to informational sessions to learn about options available in WMU's supplemental retirement program. On Monday, April 9, you may drop in between 9 a.m. and 4 p.m. at their open room, 210 Bernhard Center, where handouts and SDM&G counselors to answer individual questions will be available.

SDM&G also has scheduled these special interest sessions that day for 212

Bernhard Center: TIAA-CREF, Greg Fuller, company representative, 9 to 10 a.m. and 1 to 2 p.m.; Fidelity Investments, Tanya Smith, representative, 10 to 11 a.m. and 2 to 3 p.m.; and Calvert Group, Bill McMahon, representative, 11 a.m. to noon and 3 to 4 p.m. All company representatives will be available between noon and 1 p.m. in Room 210.

The Department of Human Resources urges you to take advantage of this opportunity to learn more about the supplemental retirement programs offered by WMU. There will be two drawings for door prizes, one in the morning and one in the afternoon. No reservations are necessary for these meetings.

Bell Labs consultant to speak here April 9

"Splainittahme (or 'User Friendly: A Myth')" is the title of a lecture to be given Monday, April 9, as part of the Distinguished Lecture Series sponsored by the Engineering Board of Visitors, an advisory committee for the College of Engineering and Applied Sciences.

David Favin, a technical staff consultant at Bell Laboratories of New Jersey, will be the speaker at 1 p.m. in the Kirsch Auditorium of the Fetzer Center. He has had direct responsibility for the design or supervision of 44 projects at Bell Labs. Twenty-four of the projects have received patents.

Reception set for Breed

The University community is invited to a reception honoring the retirement of Sterling L. Breed, Counseling Center, from 3 to 5 p.m. Thursday, April 12, at the Oaklands. The event is being sponsored by the Office of the Vice President for Student Services and the Counseling Center.

Calendar

*Admission charged

APRIL

Thursday/5

(thru 6) Spring Into Wellness Week.
 (thru 20) Exhibition of mixed media paintings, including figures, landscapes, still lifes and watercolors of Italy, by Martha Flynn, Kalamazoo artist, 1240 Seibert Administration Building, weekdays, 8 a.m.-noon and 1-5 p.m.
 (thru 20) Exhibition of "American Gothic" parodies by Betty Fouch, retired from media services, showcases, entrance to the Space Gallery, Knauss Hall.
 Training seminar, "Valuing Diversity," for non-supervisory employees, Doreen A. Brinson and Larry C. Scott, both human resources, 204 Bernhard Center, 8:30 a.m.-noon.
 (thru 7) Annual student art exhibition, Dalton Center Multi-Media Room, 10 a.m.-4 p.m.
 (thru 19) Exhibition of prints and handmade paper works, Richard Hunt, Chicago artist, Gallery II, Sangren Hall, weekdays, 10 a.m.-5 p.m. (closed Friday, April 13); opening reception Friday, April 6, 5-7 p.m.
 (thru 20) Exhibition of etchings by Ann Wisnom, Grand Rapids artist, Space Gallery, Knauss Hall, weekdays, 9 a.m.-4 p.m.
 Earth Day teach-in and celebration, "Air, Earth, Fire, Water and Waste," 105-106 Bernhard Center: opening ceremonies, 10:30 a.m.; "Earth Day -- Past and Present," John R. Cooley, English and environmental studies, and Skip Van Bloem, junior environmental studies and biology major from Jackson, 10:50 a.m.; "The Air We Breathe," Robert W. Kaufman, political science, 11:30 a.m.; intermission, noon; "The Role of Our Institutions," Willard Rose, director of the Kalamazoo Nature Center, President Haenicke and State Rep. Mary Brown (D-Kalamazoo), 12:45 p.m.; "The Earth That Feeds Us and Provides Shelter," Kenneth A. Dahlberg, political science, and Henry W. Lawrence, geography, 1:30 p.m.; intermission, 2:10 p.m.; "The Fires That Warm Us and Fuel Industry," Albert Huntoon, environmental studies, 2:35 p.m.; "The Water That Flows Though All Life," Philip P. Micklin, geography, and Mary Powers, Kalamazoo County Commissioner, 2:55 p.m.; intermission, 3:35 p.m.; "The Wastes That Threaten Us," Michael Tenenbaum, representative, Michigan Disposal Co. in Kalamazoo, and Donald J. Brown, chemistry and Science for Citizens Center, 4 p.m.; and "Local Initiatives -- Or What Can I Do?," David Hargreave, general studies, and Korie Bachleda, coordinator, Earth Day activities, city of Kalamazoo and owner, Whole Earth Products, Kalamazoo, 4:40 p.m.
 Meeting, Research Policies Council of the Faculty Senate, Conference Room A, third floor, Seibert Administration Building, 2:30 p.m.
 Public forum for candidate for dean of the College of Arts and Sciences, Douglas P. Ferraro, professor of psychology and psychiatry and chairperson of psychology, University of New Mexico, 3770 Knauss Hall, 3 p.m.
 Spiritual Journey Series, "George Herbert and Little Gidding," Canon John White, St. George's Chapel, Windsor, England, St. Aidan's Chapel, 3 p.m.
 Men's tennis, WMU vs. Valparaiso University, Sorensen Courts (Gary Center or West Hills Tennis Club in case of rain), 3 p.m.
 Computer science colloquium, "A Generalized Model for the Allocation of Data in a Distributed Relational Database System," Patrick D. Yurk, database administrator, the Upjohn Co. of Kalamazoo, 4550 Dunbar Hall, 4 p.m.; refreshments, 3:45 p.m.
 Mathematics and statistics colloquium, "The Matching Polynomial," Ivan Gutman, professor of chemistry, University of Kragujevac and Fulbright Fellow, Vanderbilt University, commons room, sixth floor, Everett Tower, 4:10 p.m.; refreshments, 3:45 p.m.
 University film series, "The Wanderer" (France, 1967), directed by Jean Gabriel Alicocco, 2302 Sangren Hall, 4 and 8 p.m.
 Presidential Scholars Convocation, Fetzer Center, 5:30 p.m.
 Center for the Study of Ethics in Society lecture, "Owning and Controlling Information," Vivian Weil, director, Center for the Study of Ethics in the Professions, Illinois Institute of Technology, 3760 Knauss Hall, 7:30 p.m.
 (thru 12) Shakespeare Festival: lecture, "Macbeth: Present Fears and Horrible Imaginings," Arthur Kinney, the Copeland Professor of Literary History at the University of Massachusetts and a senior fellow at the Folger Shakespeare Library in Washington, D.C., 3321 Brown Hall, 8 p.m.
 *(thru 7) University theatre production, "Broadway Musical Memories," York Arena Theatre, 8 p.m.
 Concert, University Chorale conducted by Mel K. Ivey, Dalton Center Recital Hall, 8 p.m.

Friday/6

Open working session, Faculty Senate Undergraduate Studies Council subcommittee on general education, Faculty Lounge, Bernhard Center, 8-10 a.m.
 Doctoral oral examination, "The Effectiveness of Restricted Environmental Stimulation Therapy (Rest) on Reducing Chronic Low Back Pain," David D. Smith, psychology, 283 Wood Hall, 9 a.m.
 College of Health and Human Services' Health Research Day, Red Rooms, Bernhard Center, 9:30 a.m.-1 p.m.
 Concert, High Noon at Dalton, scenes from Mozart's "The Magic Flute," WMU Opera Workshop, Dalton Center lobby, noon.
 Baseball doubleheader, WMU vs. Ball State University, Hyames Field, 1 p.m.
 Discussion, "Critical Method and Shakespeare Studies," Arthur Kinney, the Copeland Professor of Literary History at the University of Massachusetts and a senior fellow at the Folger Shakespeare Library in Washington, D.C., 10th floor, Sprau Tower, 2 p.m.
 Multiclinic, featuring an update on a 31-year-old developmentally disabled woman, Studio A, Dunbar Hall, 2 p.m.
 Geology lecture, "Interior Cratonic Sag Basins," Morris W. Leighton, chief, Illinois State Geological Survey, Champaign, Ill., and Distinguished Lecturer, American Association of Petroleum Geologists, 1118 Rood Hall, 4 p.m.
 "Shakespeare on Film," featuring cinematic adaptations of major plays, "Throne of Blood," (Japan, 1957), directed by Akira Kurosawa, 2302 Sangren Hall, 4 and 8 p.m.
 Graduate student conducting recital, University Concert Band conducted by Miles S. Mortensen, Dalton Center Recital Hall, 8 p.m.
 Student voice recital, Lawrence R. Clark, baritone, Dalton Center Lecture Hall, 8 p.m.

Saturday/7

*Brown and Gold spring windup football game, Waldo Stadium, 1 p.m.
 Baseball doubleheader, WMU vs. Ball State University, Hyames Field, 1 p.m.
 Men's tennis, WMU vs. Ball State University, Sorensen Courts (Gary Center or West Hills Tennis Club in case of rain), 1 p.m.
 Student recital, Richard M. Roznowski, double bass, Dalton Center Lecture Hall, 4 p.m.
 (and 8) Fifth Great Lakes Horn Workshop; public performances, Dalton Center Recital Hall: William Scharnberg, professor of music, University of North Texas, and Kristin Thelander, associate professor of music, University of Iowa, Saturday, 8 p.m.; Mark Abbott, assistant principal horn, Detroit Symphony Orchestra, and Edwin Thayer, principal horn, National Symphony Orchestra, Washington, D.C., Sunday, 4:30 p.m.
 *Concert, Peter. Paul and Mary, Miller Auditorium, 8 p.m.

Sunday/8

Department of Dance graduating senior presentations, Dalton Center Studio B, 2 p.m.
 *Eighth annual Black Professional Organization's League Awards Banquet, featuring speech by James A. Sharp, former mayor of Flint and current chief executive officer of City Management Corp., Detroit, North Ballroom, Bernhard Center, 3 p.m.
 Reading, "Caliban's Dream: A Shakespeare Sampler," Faculty Readers Theatre, Dalton Center Lecture Hall, 2 and 4:30 p.m.; reception, 10th floor, Sprau Tower, 3:15 p.m.
 Student voice recital, Robin Dunham, Dalton Center Lecture Hall, 8 p.m.

Monday/9

Undergraduate Research Conference, Red Rooms B and C and Room 205, Bernhard Center, 9 a.m.-noon and 1-4 p.m.
 Supplemental retirement planning sessions, sponsored by SDM&G, open to all employees, 210 and 212 Bernhard Center, 9 a.m.-4 p.m. (see Human Resources column on page seven for more information).
 Engineering Board of Visitors' Distinguished Lecture Series, "Splainittahme" or ("User Friendly: A Myth"), David Favin, technical staff consultant, Bell Laboratories, New Jersey, Kirsch Auditorium, Fetzer Center, 1 p.m.
 Public forum for candidate for dean of the College of Arts and Sciences, Elizabeth Scarborough, assistant to the president and professor of psychology, Fredonia (N.Y.) State University College, 3760 Knauss Hall, 3 p.m.
 Workshop performance, "A Midsummer Night's Dream," WMU Department of Theatre students, followed by discussion moderated by James R. Daniels, theatre, and Lois Potter, lecturer and authority on Shakespearean stage history, University of Leicester (England), 1114 Brown Hall, 4 p.m.
 Meeting, ANAD, self-help support group for anorexics, bulimics and their families, St. Aidan's Chapel, 7 p.m.; for more information, call Dawn at 344-1079, Elaine at 7-1850 or Jocelyn at 345-1715.
 "Shakespeare on Film," featuring cinematic adaptations of major plays, "A Midsummer Night's Dream," (USA, 1935), directed by Max Reinhardt and William Dieterle, 2302 Sangren Hall, 8 p.m.
 Concert, University Chamber Winds conducted by Patrick Dunnigan, Dalton Center Recital Hall, 8 p.m.
 Student recital, Timothy R. Eckert, double bass, Dalton Center Lecture Hall, 8 p.m.

Tuesday/10

Staff training seminar, "Western and You," new employee orientation, Red Rooms, Bernhard Center, 10 a.m.-noon.
 Baseball doubleheader, WMU vs. Central Michigan University, Hyames Field, 1 p.m.
 Softball doubleheader, WMU vs. Central Michigan University, Ebert Field, 2 p.m.
 Meeting, Budget and Finance Council of the Faculty Senate, Conference Room C, third floor, Seibert Administration Building, 3 p.m.
 "Shakespeare on Film," featuring cinematic adaptations of major plays, "Romeo and Juliet," (USA, 1936), directed by George Cukor, 2302 Sangren Hall, 4 and 8 p.m.
 Specialty Program in Holistic Health Care lecture on changes in training medical students, Joel Elkes, professor of psychiatry and behavioral sciences, University of Louisville, 2303 Sangren Hall, 6:30 p.m.
 Lecture, "Scenes and Acts of Death," Lois Potter, lecturer and authority on Shakespearean stage history, University of Leicester (England), 3321 Brown Hall, 8 p.m.
 Concert, Treble Chorus directed by Daniel P. Gregerman, Dalton Center Recital Hall, 8 p.m.

Wednesday/11

*Management and executive development seminar, "Managerial Skills for Successful Secretaries," Eileen Montgomery, management consultant and professional speaker from Chicago, Fetzer Center, 8:30 a.m.-4:30 p.m.
 *Clerical/Technical Organization and Administrative Professional Association spring luncheon, North Ballroom, Bernhard Center, 11:45 a.m.-1:30 p.m.
 Baseball doubleheader, WMU vs. Northwestern University, Hyames Field, 1 p.m.
 Concert, "A Garland for My Lady: Music of Medieval and Renaissance Italy," the Newberry Early Music Consort, Newberry Library, Chicago, 2750 Knauss Hall, 8 p.m.
 Student composition recital, Thomas Bourcier, Dalton Center Multi-Media Room, 8 p.m.

Thursday/12

Staff training seminar, "Planning for Retirement - TIAA-CREF," open to all employees and spouses, presented by benefits counselors from TIAA-CREF, 105-107 Bernhard Center, 1-3 p.m.
 Retirement reception for Sterling L. Breed, Counseling Center, the Oaklands, 3-5 p.m.
 Workshop, "Shakespearean Songs," the Newberry Early Music Consort, Newberry Library, Chicago, 3324 Brown Hall, 4 p.m.

McCarty co-writes business law textbook

Preparing business students to resolve legal disputes and understand other legal problems is the goal of a new textbook co-written by a WMU faculty member.



McCarty

F. William McCarty, chairperson of finance and commercial law, is the co-author of "The Legal Environment of Business," a 22-chapter textbook published by Irwin Inc. of Homewood, Ill. The other co-author is John W. Bagby, professor of law at Pennsylvania State University. According to McCarty, the hardcover textbook is intended for use by undergraduate students in beginning business courses and graduate students who have had no law courses. The students are introduced to the role of law in society and the impact of law upon business. McCarty says the book tries to answer questions about the legal system and

about basic legal concepts applicable to common business activities.

"If business students can see how law affects them and what some of its basic concepts are, then they can take steps to protect themselves, to change things and to try to make modifications in their business behavior and their firm's behavior," he says.

The chapters are divided into seven sections that cover legal institutions, law and society, the relationship between law and business and certain concepts of particular laws that affect most businesses.

The textbook currently is used in the WMU finance and commercial law course, "The Legal Environment." It is available in bookstores on and near campus, as well as at the business library. It also is being marketed nationwide.

McCarty has been a co-author of other business law textbooks in recent years. In 1984, he was one of a six-person team of authors who wrote the textbook, "Modern Business Law," which was published in a second edition in 1988. The same team of authors wrote a textbook titled "Law and Business" in 1987.