Haenicke leads the charge in March 29 Detroit forum

The Presidents Council of State Universities took its annual turn on the road again March 29, this time for several hundred alumni and other community leaders in Detroit. This year's theme was "The Higher Education System, and therefore the People it Serves, is at Risk." In a往往会 out in Saginaw and Grand Rapids, the remedy proposed by the presidents was higher education funding -- and by similar amounts each year to accommodate more students.

"If you don't spend people to act, the growth of the state's economic growth and standard of living will decline," H. Erik Shaar, president of Lake Superior State University, told the audience.

"One of the findings back decades from now might say, 'Michigan's decline happened because of what the rest of the country or the world did, but because Michigan's leaders and policy makers failed to act," said Blenda J. Wilson, chancellor of the University of Michigan at Dearborn.

"If the song does not spur people to action, your judgment of the state's economic growth and standard of living will be declined," said Haenicke.

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 our endowment," he said.

To address the issue, the presidents have called on the governor and the legislature to increase state appropriations for [91] by 8.5 percent -- 5 percent for general spending and 15 percent for "catch-up" -- and by similar amounts each year through 1995.

This would add $200 million in additional debts for inflation over the five-year life of the plan. And, to implement the plan, a tax increase may be needed.

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

Second ceremony added to accommodate more students

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

Commencement is set for Saturday, April 13, at 8 a.m. Rather than one ceremony at 11 a.m., as originally planned, there will be ceremonies at 8 a.m. and at 2 p.m.

Undergraduate and graduate students from the College of Arts and Sciences, the College of Education will participate in the 10 a.m. ceremony. Students from the College of Business and Law, the Law School and the College of Education 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.

More than $400,000 in additional money has been provided by the state of Michigan to three WMU research centers to support efforts to transfer University research to the public sector.

"The three grants, made through Michigan's Research Excellence Fund, will provide a five-year support for work in areas of Agricultural and Applied Mechanics Institute ($67,600), Horticultural Economic Development Center ($132,400) and Water Resources and Contaminant Hydrogeology Center ($212,238)," the fund was established through 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 the 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.

"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," Groper said, "companies can eliminate costly hiring expenses for a large and diversified team of researchers needed only occasionally as well as large industry work to laboratory equipment and maintenance and operational expenditures.

At the same time, he pointed 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 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 RFF funding to support the Horticultural Economic Development Center. The center was designated to promote research and service to the state's horticultural industry. Among the center's continuing projects is 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 the research of various agricultural by-products.

Gina M. Antoniotti, co-director of the center with Michael E. Byrne, says the cranberry project is attracting increasing interest from out-of-state growers hoping to fertilize the expansion of 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, Anto- nriott 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 February 1988 and April 1989.

"The research into a Bordeaux region technique called extended macera- tion is continuing. Byrne says, and the possibility of using the technique on an increasing number of red grape varieties is being investigated. Michigan currently imports some red grapes for wine production. The new technique could expand the Michigan wine industry's use of red grapes.

Future projects include coordination of the wine industry's use of various agricultural by-products and a project that involves incorporating city leaf collections into a soil...
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 director.

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 to suit a wide variety of interests, including public broadcasting and the WMU Student Channel, where students can produce their own programs. It will offer 43 channels of television programming to suit a wide variety of interests, including public broadcasting and the WMU Student Channel, where students can produce their own programs.

"We're very excited about Edu-CABLE," Jamison said. It represents one of the four components of a complete campus television system in the province, with programming designed to accommodate the interests of students, groups and areas.

For example, Jamison said, Edu-CABLE 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, WPMT from Chicago (fine arts) and KKKO from Los Angeles (jazz).

In addition, a number of all area broadcast channels, including public broadcasting stations 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 satellite feeds from 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.

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 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. Sider, 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: "Getting There," a career education program for Earth Week at Northern Michigan University; formation of a campus group to promote multicultural development and education; and a course to teach students about the aging population.

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

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 5.

Richard M. Rumley, a retired U.S. Air Force officer, will speak at 7 p.m. in 3760 Knauss Hall. His illustrated ad- dress, which is free and open to the pub- lic, will be sponsored by the Department of History.

Rumley has been researching the history of these art works and their creators, and has a collection of hundreds of slides. He is an art history professor of aerospace studies and commander for the SPADA (Student Program to address hunger and poverty at Hope College; formation of a campus group to help relieve hunger and poverty at Hope College; formation of a campus group to "provide multicultural programs in the arts"; and the Community College in the Lee Honors College at 7-3230.

Subcommittee to discuss general education

Faculty, staff and students are invited to join open working groups for the Faculty Senate Undergraduate Studies Subcommittee's on general education.

The group will meet from 8 to 10 a.m. Fridays, April 6 and 20, in the Faculty Senate office, 100 Alumni Center. Meetings are open to all faculty, staff and students. Those interested in participating in any of the meetings for 8 to a.m. Thursday, April 27, in 211 Bernhard Center, East Hall, 11 a.m. Tuesday, May 15, in 211 Bernhard Center, East Hall, and 1:30 to 3:30 p.m. Thursday, May 17, in 211 Bernhard Center, East Hall.

Students interested in participating in any of the meetings for 8 to a.m. Thursday, April 27, in 211 Bernhard Center, East Hall, and 1:30 to 3:30 p.m. Thursday, May 17, in 211 Bernhard Center, East Hall, and 1:30 to 3:30 p.m. Thursday, May 17, in 211 Bernhard Center, East Hall.

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Detroit higher education forum (Continued from page one)

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 a 7.5 percent increase in state 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 from these.

"These are positive signs. We want to build from there," Haenicke said. 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 design of long-range plans, which is essential to our well-being.

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

Ten Year Percent Increase In State Appropriations To Higher Education In The Eleven Largest States, 1978-88 To 1989-90 (Unadjusted For Inflation).

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<tr>
<th>State</th>
<th>Percent Increase</th>
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<tr>
<td>North Carolina</td>
<td>151%</td>
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<td>Virginia</td>
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<td>New York</td>
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<td>Ohio</td>
<td>113</td>
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<td>Total U.S.</td>
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<td>California</td>
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<td>North Carolina</td>
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<td>Ohio</td>
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<td>New York</td>
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<td>California</td>
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Western News

April 5, 1990

Three 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 Special Program in Holistic Health Care.

Joel Elkes, professor of psychiatry and behavioral sciences at the University of Michigan, will give a lecture at 6:30 p.m. Thursday, April 10, in 2303 Sangren Hall. Elkes isしたing on the relationship between medical students are being trained on the Louisville campus.

Herbert Benson, associate professor at Harvard Medical School, will be the keynote speaker on 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."

Benson's presentations are being co-sponsored by the WMU College of Health and Human Development and the Fetzer Center. They are free and open to the public. However, seating is limited for the 150 places.

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, pre-professional exposure to health care for students seeking careers in that field.

"When the program was launched, it was 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 of the students entered mainstream health care, she said, including biofeedback, stress management, how nutrition affects how people think and feel, fitness, visualization and 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 medical students are encouraged to sample 18 the 20 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, 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 Room B and C 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.

Presentations will be in the areas of the humanities and the natural and social sciences. Topics will include "Music Therapy for Aural Comprehension" and "Domestic Violence in Kalama: A Call to Solvent Recovery Systems in the Environment Today."

The college plans to publish the conference proceedings.

Research centers

(Continued from page one)

mix that can be used for nursery plantings.

The Water Resources and Contaminant Hydrogeology Center is part of the WMU's Institute for Water Sciences. Developed within the Department of Geology, the center's aim is to supply state and local planners with the kind of water quality research necessary to enable industrial development in Southwestern Michigan.

Center activities include: evaluation of the role the state's wetlands play in the question of ground water supply and quality; chemical analysis of the changes that occur in ground water due to both natural and pollution factors.

Multiclinic to be April 6

Multiclinic, featuring an update on a 12-field development in Kalamazoo, will be presented by the Center for Urban 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.


Astrid Dipasquale has been developed to test urban location and thickness of a petroleum-contaminated site, an aquifer. During the past several years, REF research has led to the development of two demonstration technologies that may lead to substantial environmental and economic benefits to residents living near contaminated aquifers.

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Grant to boost number of KVCC minority transfers

Breasch 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 for his research on 'progressive historians' in the U.S. during the 20th century American historical thought.

Ernst A. Breisch, a professor of history at WMU, was today named to a five-year fellowship by the National Endowment for the Humanities to support his current scholarly research. The grant is part of the National Humanities Endowment's 'Fellowship Program' which provides support for the creative, scholarly work of outstanding American scholars.

Breasch's project, which he will develop during the five-year fellowship, will focus on the most prominent American historians of the 20th century, those who were identified with the so-called 'progressive historians' movement. The progressive historians, Breisch 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 eminent in the 1920s. Their work is being developed into a book that is scheduled for completion in late 1990.

This project has a long history. Breisch says, that he has been working on for 15 years. In 1985, Breisch was appointed as a fellow at the American Council of Learned Societies and 15 years ago he began working on the development of his ideas in a book titled "The Rise of American Civilization," which became a runaway best-seller and served as a formative work for subsequent generations of historians. The success rate of Gilling's recruitment efforts already addresses a statewide problem mirrored by those students transferring to WMU in the past five years, the average number of students transferred to WMU in the past five years averages 874 students a year for the要害部分 of the WMU.

In addition to Henderson, the project includes on-campus minority students 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 for the Project. About 20 of those students expect to transfer to WMU next fall.

Targeted initially at full-time minority students, Henderson says the goals of the program include: 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 program also brings participating students to WMU for one campus visit and two cultural events annually.

Many minority students, says Henderson, are not ready to transfer to a university. They enter community colleges with no thought of transferring for a baccalaureate degree. Many are most satisfied with their community college and do not plan to continue their studies.

With the support of a $10,000 grant from an Arizona foundation, Henderson and her team are developing a program 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 supplementary instruction in the form of tutors to enhance their success.

A student/faculty mentor program, already used successfully at WMU, is being developed and 15 mentors from both high school and participating students are two other important ingredients in the program. Gilling reports that she already has 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 WMU's academic programs; financial aid, scholarships, day care and minority student services; on-site advising to KVCC students by personnel from each WMU college; two yearly Presidents' Scholarships designated for KVCC students; one WMU Distinguished Community Scholar award; and a student/faculty mentor program between KVCC personnel and transfer students.

Chemist wins new award from Research Corp.

A WMU chemist has received a $21,250 grant from Arizona foundation to support his basic research into electron transfer reactions that are used in the manufacture of pharmaceutical products.

William J. Kelly, chemistry, received a Cottrell College Science Grant from the Research Corp., a Tuscon 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 field. 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 physical chemistry. In a reaction process that commonly occurs in one area will occur in the other. His project is titled "Electron Transfer from Carbonylmetalates to Electron Acceptors: Chain or Non-Chain Processes.'

Kelley says electron transfer reactions are one of the most important reactions in 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 pharmaceutical products.

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

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

Streetlites

The swans and other waterfowl that live near the Goldsworthy Valley Pond appear as silhouettes against the brilliant streetlights in this photo by Neil G. Ranieri, photojournalist. The swans, streetlites and birds are featured in a new series of news services.
Gossman writes law text with Arthur Miller

What's the proper way for a small business contract or prepare a business organization? Questions and many of these important areas -- be face in the legal system, as well as in business and commercial law courses for individual study.

Society is going through a period of restructuring - demographically, economically and culturally.

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

Grossman

Black Professional Organization banquet set

The eighth annual WMU Black Professional Organization, National Association for the Advancement of Colored People, National Association of Black Accountants, National Society of Black Engineers and Black Psychology Student Organization. The cost is $10 per person or $80 per table. For reservations, 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

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

"Searching for God" is designed for people who are re-examining their religious convictions. It is not about any particular church or religious tradition with chapters on prayer, meditation, childhood moral and religious education from Fordham University and a bachelor's degree from St. Louis University.

The series began Feb. 14 and runs through Aug. 8. It is being carried on 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 taped for rebroadcast on cable and use at a later date. Some chapters say the programs present a new way of looking at a topic that has received increasing national attention in recent years.

"If the students are able to fit those ideas into 10 parts. They begin with legal environment background topics such as ethics, the law, courts and the judges, and constitutional law.

Each section explores exceptions from numerosity, how to measure, and how the law has been applied in actual situations. The cases are followed by questions used to stimulate class discussion or help students during their study of the law.

"This book will prepare students in business and commercial law courses to the kinds of legal problems they're going to face in the legal system, as well as in the business world. They are trying to help them understand the law in each of these important areas -- be able to interpret the many situations that may involve a legal problem and be able to reason and understand business law and deploy the services of a lawyer.

What are the numerous college textbooks that cover business law, Grossman believes his Miller's book differs from the usual "cookbook" way of looking at restructuring but also a new way of looking at a topic that has received increasing national attention in recent years.

"If you do not question your faith, your religion -- or lack of it -- will remain just as adult as your knowledge of your college major.

Gross and Crowell say the concern surrounding the nation consisting of "haves" and "have-nots".

The reform effort outlined in the videoconferences also can be viewed at several area schools, and are taped for re-broadcast on cable and use at a later date. Some chapters 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 businesses, 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.

"As a student enters the classroom, he or she would be more of an inquiring mentor. We're talking about revisiting the curriculum and the role the curriculum plays in cognition and in the learning environment," Jenlink says.

"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 in restructuring, 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.

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Retirements of faculty and staff members approved

The retirements of six faculty members and three staff members were approved 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 April 1, 1990; P. Elaine Osburn, music, 33 years, effective Dec. 31, 1989; Thelma M. Urbick, counselor education and counseling psychology, 21-1/2 years, effective June 30, 1990; Robert F. Wyman, Missouri, 27 years, effective Dec. 31, 1989; and Joyce R. Zastrow, music, 28 years, effective Dec. 31, 1990.

Gilt and grant details presented to Board members

WMU received nearly $1.2 million in grants and unrestricted $50,000 gift during the months of December and January. The Board of Trustees presented to the Board of Trustees at its March 16 meeting.

With December gifts totaling $1,016,581 and January gifts totaling $1,180,738, gifts to the University for the fiscal year 1989-1990 now stand at $2,800,137. During December and January gift totals included a number of major gifts made through the WMU Foundation to the "Fund for Academic 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.

Also received during December were two grants totaling $100,225 from the Michigan Department of Corrections to the WMU Center for Drug Abuse (SPADA). C. Dennis Simpson, SPADA, will use the grant to provide outpatient substance abuse treatment services for clients at the Kalamazoo Correctional Facility.

A new $145,934 research grant was awarded during January by the National Aeronautics and Space Administration for air traffic management. The grant is intended to develop and test an Airborne Information Management System, which is used to gather flight data.

WMU offers graduate specialty programs in alcohol and drug abuse, electronic commerce, and policy, planning and administration. WMU offers graduate specialty programs in alcohol and drug abuse, electronic commerce, and policy, planning and administration. WMU offers graduate specialty programs in alcohol and drug abuse, electronic commerce, 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.

Retirement with emeriti status brings to this position, including his many years of experience Alan arrives at WMU.

With December gifts totaling $80,000 will continue support for the WMU invites his colleagues to join him and be part of the team.

Dunlap named chairperson of military science

Lawson Rossi
capstone and chairperson of the Department of Military Science. His appointment, effective Jan. 29, 1990, was approved during March 16 by the Board of Trustees.

Dunlap has served 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's degree from the University of Washington. He is a certified instructor in the two-year institution.

In other action, the Board approved the reappointment of these two department chairpersons to five-year terms: E. Thomas Lawrence of Michigan, and E. Thomas Lawrence of Michigan in political science. Both are effective July 1, 1990.
Packaging efforts earn Wygant national award

Three years of research by WMU Packaging Research Center's David Favin have paid off with a national award for William M. Wygant, director of the center. Favin, who has worked with Wygant and the WMU team to develop child-resistant packaging that would contain a variety of household poisons, received the National Institute of Public Information's Outstanding Achievement Award for his efforts in developing child-resistant packaging.Currently, only about 20 percent of ingested poisons in children occur in the homes of adults to open has resides resistance to packaging already in use, features a bottle cap similar to currently used caps that makes it easy for the user to turn down and turn. Since it is often difficult for children to open the front of the formula 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 hand-grip acting as a de- eration 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 Mold Co. of Kalamazoo to producing the prototype mold and to test 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.

On campus

Physician Assistant graduates rank third in nation

Graduates of WMU's Physician Assistant Program are demonstrating that they are up to any challenge the medical field once they complete their coursework. In 1989, graduating class placed third in the nation on the Physician Assistant Program National Board Examination, 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 program as part of Focus: Mathematics, a 20-minute interview produced by the Office of Public Information at WMU, to air Saturday, April 7, at 6:10 a.m. on WKPR-AM (1420) and at 5:45 p.m. on WZKM-AM (560).

"Prixie" is the title of a program produced by media services scheduled to air on Kalamazoo Community Access Television Thursday, April 13. The philosophy program for children will air on Channel 30 from 5:55 p.m. to 6 p.m. Thursday, April 11; and 6:55 p.m. Friday, April 13. The strip features children on the air.

Exchange

For SALE -- Almost-new bunk beds, $230 or best offer. Call Jan at 769-6367 or 769-2525.

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

For SALE -- Sharp 1500 pocket computer (4K RAM) with built-in BASIC; printer/cassette interface in-c hice, with charger, cassette expansion memory module; five applications modules; English and Spanish; used very little. $225. Call Philip P. Micklein at 7-3407.

Human Resources

SD&G schedules supplemental re-employment program meetings

Being free from financial worries after retirement will require planning for the future, sooner, the better. Edward L. Doechersch, Messner & Gant- lett, University consultants, are inviting faculty and staff informational sessions to discuss opportunities for employment in WMU's supplemental retirement pro- grams. The university will provide funds to help you make the transition, but you must drop in between 9 a.m. and 4 p.m. at their open room, 210 Bernhard Center, where handouts and SD&M&G counselors to an- swer individual questions will be available.

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

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


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Calendar

A_d_m_i_SS_io_n_ch_a_rg_ed

APRIL

Thursd_ay/5

(thru 6) Sprin_g Wellness Week.

(thru 20) Exhibitio_n of mixed media paintings, including figures, landscapes, still lifes and watercolors of Italy, by Martha Flynn, Kalamazoo artist. 1240 Seibert Administration Building, 8 a.m.-noon.

(thru 20) Exhibitio_n of "American Gothic" parodies by Betty Fouch, retired from media services, showcases entrance to the Space Gallery, Knauss Hall. Training session, "Valuing Diversity," for non-supervisory employees, Doren A. Brinson and Larry C. Scott, both human resources, 204 Bernhard Center, 8:30 a.m.-noon.

(thru 7) Annual student art exhi_bition, Dalton Center Multi-Media Room, 10 a.m.-4 p.m.

(thru 19) Exhibitio_n 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; open for reception Friday, April 6, 5-7 p.m.)

(thru 20) Exhibitio_n of etchings by Ann Wisnom, Grand Rapids artist, Space Gallery, Knauss Hall, 9 a.m.-4 p.m.

Earth Day teach-in and celebration, "Air, Earth, Fire, Water and Waste," 105-106

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Meeting, Research Policy Council of the Faculty Senate, Conference Room A, 3rd 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 chairman of psychology, University of Rochester, 2303 Sangren Hall, 4 and 8 p.m.

Lecture, "Owning and Controlling Baseball," William Dieterle, 2302 Sangren Hall, 8 p.m.

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Workshop, "Shakespearean Songs," the Newberry Early Music Consort, Newberry Library in Washington, D.C., 3321 Brown Hall, 8 p.m.

Concert, Treble Chorus directed by Daniel P. Gregersen, Dalton Center Recital Hall, 8 p.m.

Wednesday/11

*Management and executive development seminar, "Managerial Skills for Successful Secretaries," Eileen Montgomery, management consultant and professor of business administration, Loyola University of Chicago, Faculty Senate, Conference Room C, 3rd floor, Seibert Administration Building, 3 p.m.

*Shakespeare on Film, featuring cinematic adaptations of major plays, "A Midsummer Night's Dream," directed by Max Reinhardt and William Dieterle, 2302 Sangren Hall, 8 p.m.

Concert, "Shakespearean Songs," the Newberry Early Music Consort, Newberry Library, Chicago, 3324 Brown Hall, 4 p.m.

McCarty co-writes business law textbook

Preparing busi_ness students to resolve legal dis_tress_and and under stand other legal problems is the goal of a new text_book co-written by WMU faculty member.

P. William McCarty, chairperson of finance and accounting, and 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's business law department.

According to McCarty, the hardcover textbook is intended for use by undergraduate students in 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. The book also tries to answer questions about the legal system and

based on social business concepts applicable to common business activities. If business students can see how laws affect your life, they can change those laws to try to make things better for their families, businesses and communities to help improve their lives.

The chapters are divided into seven sections that cover legal institutions, law and society, the relationship between law and business and certain concepts of par_ticular importance to business.

The textbook currently is used in the WMU finance and commercial law classes, but is not yet available in bookstores or on campus. The textbook 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.

Prepared by Jennifer E. Boeckhorst, WMU Communications Department.