

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

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2,750 freshmen expected for orientation June 12-July 19

Some 2,750 freshmen will be "making history together" as they attend nine three-day orientation sessions between June 12 and July 19 at WMU.

The orientation program is designed to prepare students for their transition from high school to college. This year's theme, "Making History Together," focuses on encouraging the freshmen to learn the traditions of WMU.

During each of the sessions, students are divided into small groups led by sophomores, juniors and seniors who serve as orientation leaders and mentors. The participants tour and live on campus, take placement tests, meet with academic advisers, register for fall semester classes, finalize housing and financial aid arrangements and get involved in student development and social activities.

The freshmen also attend small group sessions to discuss concerns about such issues as diversity, sexual assault prevention, alcohol awareness, campus safety and becoming acquainted on campus.

"Freshmen who are involved in and out of the classroom are more likely to be successful at the University," said Donna L. StJohn, admissions and orientation. "Therefore, we concentrate on all aspects of college life in orientation to help them feel comfortable here."

About 1,800 parents also are expected to attend throughout the summer. Their orientation sessions, which take place on the first or second day of each freshman session, include campus tours and meetings with various University officials on such topics as career planning, financial aid, housing and academics.

In addition, 400 transfer students are expected for one-day orientation sessions in late July and late August.

Senate meeting set for tonight

The Faculty Senate will meet at 7 p.m. Thursday, June 2, in the Fetzer Center. Agenda items include a report from the Athletic Board, approval of the listing of standing committees for the Undergraduate Studies Council and an interim report from the Martin Luther King Jr. Day Committee.

Sky Broncos fly away with second place in the nation

Sky Broncos, WMU's precision flying team, finished second out of 26 teams competing in this year's National Intercollegiate Flying Association championship near St. Louis. This marks the third year in a row the team has finished in the top three.

Teams from the University of North Dakota and the University of Illinois finished first and third, respectively, in the May 18-21 competition. The WMU team took first place in regional competition last October and placed third in the nation last spring.

A total of 76 teams competed for 26 places in the national championship, which took place in Cahokia, Ill. This year's host was Parks College of St. Louis University. The WMU team placed second in ground events and third in flight events en route to its second place overall finish.

"We're extremely proud of this team," said Joseph H. Dunlap, aviation sciences. "Members put an incredible amount of time and effort into this competition."

"When it comes right down to it, the contest could have gone either way," he continued. "We're extremely proud of our students even though they're a little disappointed about not coming in first. They turned in an outstanding performance."

Team members finished first in three out of nine flight and ground events.

Three centers funded through campuswide competition

Three new research and development centers have received funding from the University to focus on the education of at-risk children, the friction and wear phenomena in industrial equipment and the body's biological response to environmental pollutants.

The three interdisciplinary centers, funded through the University's recent Centers for Excellence campuswide competition, are the Center for Research on Teaching and Learning for At-Risk Students in the College of Education, the Center for Advanced Tribology in the College of Engineering and Applied Sciences and the Center for Research into Environmental Signal Transduction in the College of Arts and Sciences.

The three centers will begin operation at the start of the 1994-95 fiscal year in July, and each will receive \$175,000 to support its proposed research efforts. Each center is expected to become a self-supporting entity in the future and be firmly established as a recipient of external funding to support its subsequent goals.

This is the second such set of research centers established through the program, which is run by the Office of the Vice President for Research. The first competition, held in 1992, resulted in the formation of centers that focus on enabling technology, water research and geographic information systems.

According to Donald E. Thompson, vice president for research, the new centers will bring together both experienced and new researchers working in related fields and encourage their collaboration in areas that hold promise for future external funding.

Center for Research on Teaching and Learning for At-Risk Students

The Center for Research on Teaching and Learning for At-Risk Students will be directed by Floyd L. McKinney, associate dean for research and graduate programs in the College of Education. The center will conduct research on how learning can be improved to increase the opportunities and capacities of at-risk students to engage in meaningful and productive pursuits in society. Researchers will investigate the broad problems of children who are at risk because of

socioeconomic status, substance abuse or physical and neurological abnormalities as well as specific high-risk groups such as migrant children.

The center will serve as an organizational framework to promote and carry out a number of current research projects that are externally funded as well as a number of projects now being considered for funding. A full-time coordinator and a graduate research assistant will allow the center to promote interdisciplinary research, provide support for planning and conducting research and serve as a clearinghouse for information about current and potential research grants and contracts. They also will oversee a number of events and activities designed to disseminate the center's findings and encourage the adoption of innovative teaching methods for educators and community members working with at-risk students.

"We will concentrate very heavily on collaborative efforts," McKinney says of efforts to examine every facet of the problems that put children at risk. "Schools cannot solve the problems by themselves. There has to be a collaborative effort involving the schools, families, communities, health care providers and other agencies that impact children's lives. We are going to take the holistic view and look at each part of the problem."

McKinney says a research collaboration network in West Michigan will include representatives from a variety of school districts, communities, foundations, service organizations, government units and business and industry. They will focus on students who reside in inner cities and in rural areas as well as the large population of migrant children. Those three groups, he notes, comprise the vast majority of the nation's at-risk student population.

Center for Advanced Tribology

The Center for Advanced Tribology, directed by Parviz Merati, mechanical and aeronautical engineering, will focus its efforts on studying friction and wear — the science of tribology. The work will concentrate especially on how wear impacts such industrial tools as mechanical face seals,

which are used extensively in the chemical industry, refineries and industrial pumps. The center will incorporate the facilities of the Tribology Laboratory, which recently was established with the help of the Durametallic Corp. of Kalamazoo, as well as a number of other research facilities in the college such as the Fluid Mechanics Laboratory.

A team of six researchers with expertise in such areas as fluid mechanics and heat transfer, materials science, solid mechanics and polymers will focus its expertise on various aspects of the tribological processes. The new funding will help the center hire graduate and undergraduate students in each area, purchase equipment and support travel by the center's researchers. Outside speakers and an advisory committee comprised of tribology experts from industry and academia also will play a role in the center's work.

"Essentially, the Centers for Excellence funds will serve as seed money to help us generate external funding," Merati says. "We are already achieving success in that area with a new equipment grant from the National Science Foundation and another grant for new researchers to one of our team members. A number of other proposals to government and industry are pending."

The goals of the research team, he says, will be to minimize the wearing away of interacting surfaces that force high replacement costs for industry and can result in environmental damage when fluid leakage between the worn surfaces is not controlled.

Center for Research into Environmental Signal Transduction

The Center for Research into Environmental Signal Transduction will be directed by William F. Jackson, biological

(Continued on page four)

WMU Foundation to honor Arwady for volunteer work

George E. Arwady, publisher of the Kalamazoo Gazette, has been selected as the 1994 Volunteer of the Year by the WMU Foundation.

He will be honored at the annual Academy of Volunteers dinner at 6:30 p.m. Friday, June 10, at the Fetzer Center.

Also being recognized for their volunteer fund-raising service with induction into academy membership are: Marston J. Dodge of Kalamazoo for his work with the Kalamazoo American Business Clubs (AMBUCS) Living Endowment Fund at WMU; and John Everts of Portage and W. Thomas Carrington of Kalamazoo for their work with the Mike Gary Athletic Fund.

Arwady was selected as Volunteer of the Year for his exceptional leadership of the foundation's development committee, which he has chaired for the past three years. He is already a member of the Academy of Volunteers.

He has been a director of the WMU Foundation since 1988, the year he became publisher of the Gazette. He previously served as co-chairperson of the foundation's constituency relations committee.

In addition to his work with WMU, Arwady serves as chairperson of the Kalamazoo CEO Council and is on the boards of directors of the Kalamazoo Public Schools Education Foundation and the Kalamazoo Symphony Orchestra. He also chaired the 1993 Greater Kalamazoo United Way campaign.

Persons interested in attending the formal-attire recognition dinner should contact the WMU Foundation as soon as possible by calling 7-8700. The cost is \$25 per person.



SECOND IN THE NATION — The members of Sky Broncos, WMU's precision flying team that finished second out of 26 teams in the National Intercollegiate Flying Association championship May 18-21, are, from left: (front row) Stew Kissinger, Bill Hoffer, Rachel Nave, Wes Miller and Brian Lynn; (back row) Matt Heerema, Scott Burns, Craig Pearson, Scott Darish, Craig Oliver, Ryan Seiler, Bryon Bourgeois, Brian Davis and coaches Greg Robbins, Donna Godfrey and Mark Serbenski. Not present for the photo was team member Jim Bowers.



INTERNATIONAL ADVISERS VISIT — Olav Vik, standing, a senior from Norway, was one of several WMU international students who participated in a luncheon panel discussion in Hoekje Hall titled "What I Wish I Had Known Before I Came to the United States." The session was part of the itinerary for a group of eight overseas educational advisers who toured WMU and four other West Michigan schools May 22-27. WMU, Ferris State University, Kendall College of Art and Design, Kalamazoo College and Kalamazoo Valley Community College comprised a consortium of institutions of higher education selected by the U.S. Information Agency and the College Board to serve as one of four national host groups for advisers from non-profit agencies around the world who help international students select U.S. schools to attend.

Business college going global to better prepare students

Globalization is the watchword for Dean David B. Vellenga, Haworth College of Business.

"Our students must be prepared to compete in a global environment," Vellenga says. "President Dieter H. Haenicke has placed great emphasis on the internationalization of WMU, and our college is committed to do likewise in order to successfully compete with the leading business schools in the nation."

Some of Vellenga's "international initiatives" include: hiring Claudio Milman, management, who is a specialist in Latin American business and economics; making arrangements to send five faculty members abroad during 1994-95 to five different countries; playing host to visiting faculty members from other countries; sending students to Latvia, Sweden, Norway and the Netherlands; revising the curriculum; securing international grants; and sponsoring workshops and programs on international trade and on global purchasing and logistics management.

Milman, who has graduate business degrees from Indiana University, Ohio State University and the University of Miami (Fla.), is planning to visit Madrid, Spain, next winter. A number of other WMU faculty members also are planning trips abroad. Robert J. Balik, finance and commercial law, is spending three months this spring at the Technical University in Darmstadt, Germany. Linda M. Delene, marketing, will be at Vaxjo University in Sweden next spring. Judy A. Yaeger, business information systems, will spend fall and winter semesters at Sunway College in Malaysia. F. William McCarty, chairperson of finance and commercial law, will be at the Japan Center for Michigan Universities in Hikone, Japan, next fall.

J.M. Habvane, a WMU alumnus who is lecturer and chairperson of the Department of Business Management at the National University of Science and Technology in Zimbabwe, recently spent five weeks on the Kalamazoo campus discussing faculty and student exchanges and curriculum development with Vellenga and others.

This fall, four students from the University of Latvia and Rigas Technical University in Latvia will arrive on campus to study in the Haworth College of Business for a year and to complete internships with Kalamazoo companies. The student exchange, under which four WMU students also will go to Latvia, is funded by a grant from the U.S. Information Agency (*see related story on this page*).

Next year, undergraduate students in WMU's integrated supply management program also will have opportunities to study at Vaxjo University in Sweden, the Norwegian School of Management in Oslo and the Haarlem Business School in the Netherlands.

Vellenga's proposed curriculum revisions are at various stages of development, but he wants his college to offer a general education course for sophomores titled "Introduction to International Business."

Such a course could tap the expertise of several faculty members, including Zahir A. Quraeshi, marketing. He is the co-editor of three books on international business and he is currently on the editorial board of "Advances in International Marketing," "The Journal of Global Business" and "The Journal of Teaching in International Business." He also is editor of a new publication, the "Journal of Asia-Pacific Business."

Quraeshi, McCarty and Roger Tang, accountancy, holder of the Upjohn Chair of Business Administration, are directors of a federally funded grant project focusing on international business (*see related story on this page*). As part of that project, the college organized a workshop and a conference on international trade.

Three candidates to speak

Three candidates for director of the Medieval Institute will be on campus in the coming weeks for interviews. The person selected will replace Otto Grundler, who will retire from that position Dec. 31.

Each candidate will make a public presentation on the topic "My Research in the Context of Medieval Studies Today" in 110 Walwood Hall.

The candidates and the dates of their appearances are:

- Evelyn Vitz, professor of French at New York University, 10:30 a.m. Tuesday, June 14;
- Paul E. Szarmach, professor of English at the State University of New York at Binghamton, 3:30 p.m. Thursday, June 16; and
- Richard K. Emmerson, professor of English at Western Washington University, 3:30 p.m. Monday, June 20.

Additional information on the candidates is available by calling Thomas Seiler, Medieval Institute, at 7-8754 or e-mailing him at seiler@wmich.edu.

Award boosts second year of efforts to improve international business focus, trade opportunities

Faculty members in the Haworth College of Business have been awarded a \$41,494 federal grant to fund a second year of efforts to improve the international business focus at the University and to enhance trade opportunities for area firms.

The award, from the U.S. Department of Education, will be used to continue a project, the International Business Education Program, which focuses on expanded faculty and student opportunities in the area of international business as well as enhanced trade information for area business persons through a workshop and a major international conference. The project involves the efforts of West Michigan business, civic and government leaders as well as a number of faculty members in the Haworth College of Business and other colleges and units at the University.

F. William McCarty, chairperson of finance and commercial law, Zahir A. Quraeshi, marketing, and Roger Tang, accountancy, holder of the Upjohn Chair of Business Administration, are directors of the project. It was implemented last year with federal funding as well as assistance from a number of area firms. This year, that funding

financed an export workshop for about 75 area business persons interested in trading with Canada and Mexico as well as a conference for more than 120 trade and cultural specialists from 15 states and six countries on U.S./Canadian/Mexican relations and the North American Free Trade Agreement.

During the second year of the grant, several initiatives begun under the first year's funding will continue. Student exchanges and internships with firms that participate in international business ventures, faculty research and travel opportunities and funds for the development of new international business classes are included in the grant.

The three main objectives of the project are: to develop international business expertise in the business faculty; to enhance the undergraduate and graduate business programs by improving the international content of courses already offered and by developing new courses; and to enhance the exporting interests of small- and medium-sized firms in the area.

Major activities during the coming year will include a day-long workshop in March 1995 that focuses on export opportunities for area firms and a two-day conference in May 1995 on trade and investment linkages with the Asia/Pacific region.

A number of area firms have agreed to participate in the project during its second year. They include: Dill Instruments Inc., the Durametall Corp., First of America Corp., Humphrey Products and Interkal Inc., all of Kalamazoo; Haworth Inc. of Holland; I.I. Stanley Inc. of Battle Creek; and the Grand Rapids law firm of Varnum, Riddering, Schmidt & Howlett. Other cooperating organizations include the CEO Council, the Kalamazoo County Chamber of Commerce, the Kalamazoo International Trade Council, the U.S. Department of Commerce's International Trade Administration and the office of Congressman Fred Upton.

Besides supporting and participating in conferences and workshops, local business and civic leaders are expected to serve on advisory committees to help the University incorporate international business into the curriculum.

Federal grant funds exchange with Latvia

A new federal grant awarded to WMU will give four Latvian students and four American students a headstart on careers in international business.

The Haworth College of Business received \$57,879 from the U.S. Information Agency to take part in its President's University Student Exchange. The award will launch an exchange of undergraduate business students between WMU and two Latvian universities that will bring four Latvian students to WMU to study for a year and send four WMU-sponsored American students to Latvia for one or two semesters.

Both sets of students will study business and examine their host country's business culture. They also will get practical experience by working as interns.

Lowell E. Crow, associate dean for research and graduate programs in the Haworth College of Business, will direct the program, which also will utilize the resources of the Kalamazoo Latvian community, the Latvian Study Center and WMU's Office of International Affairs.

"WMU and the Kalamazoo area are in a unique position to do something like this because of the strong existing Latvian ties," Crow says. "That's why we proposed this linkage."

Kalamazoo became home to many Latvians who fled their homeland during and after World War II and the city is known as a center for Latvian culture and studies. Beginning in 1966, WMU responded to requests from the Latvian community by offering Latvian language and culture courses during special summer sessions. That program eventually evolved into a Latvian Studies Program, which in 1981 became part of the University's Department of Languages and Linguistics.

The Latvian Study Center was constructed near the campus in 1982 and has been privately maintained by the Latvian community to support students in the Latvian Studies Program and enhance the cultural connections with the community.

Under the new exchange program, two students from the University of Latvia and two from Rigas Technical University, both located in Latvia's capital city of Riga, will arrive at WMU this fall. They will stay for two semesters and, during their second semester, will be placed as interns with companies in the Kalamazoo area. The students will live at the Latvian Study Center and will have Latvian host families who will help them adjust to life in the United States.

American students going to Latvia will be selected in the coming months and must already be able to speak Latvian. They will begin their studies in Latvia during the fall semesters of 1994 or 1995. Two of the American students will spend one semester in Latvia and two will spend two semesters. Crow is currently working with the American Chamber of Commerce/Latvia to identify American companies with Latvian offices in which the American students can complete internships while they are in that country.

The USIA grant and support from the Latvian Study Center will cover the Latvian students' school expenses for a year, travel to and from the United States and room and board. The grant also will provide funds to supplement the American students' travel, living and schooling costs in Latvia.

For more information about the exchange or details on how to apply for the program, persons should contact Crow at 7-5050.

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Center earns award for work in the community

The Center for Developmentally Disabled Adults was recognized May 16 with a special contribution award for its work in integrating its clients into active roles in the community.

Community Advocates, a Kalamazoo advocacy group for developmentally disabled and retarded persons that is affiliated with the Association for Retarded Citizens, recognized CDDA with a special contribution award for "person centered programming" at its annual awards banquet. The award recognizes the center's efforts to restructure its programs to encourage clients to participate in community life.

Currently, 50 of the center's 130 clients are involved as volunteers in community activities that range from doing recycling work at WMU to grooming horses at an area stable. The efforts to foster such involvement began seven years ago and were intensified in 1992 when the center hired Kathy Bartholomeuw-Lorimer of Chicago, a nationally known expert on community participation, to act as a consultant to the CDDA and help design an organized plan for matching client interests with the needs of the community.

Once a client is placed as a volunteer in the community, center staff members provide the needed support, such as transporta-

tion, to help the client maintain the connection.

In honoring the center's efforts, the Community Advocates cited the CDDA staff for "demonstrating that the level of one's disability is no criterion for admission into the community."

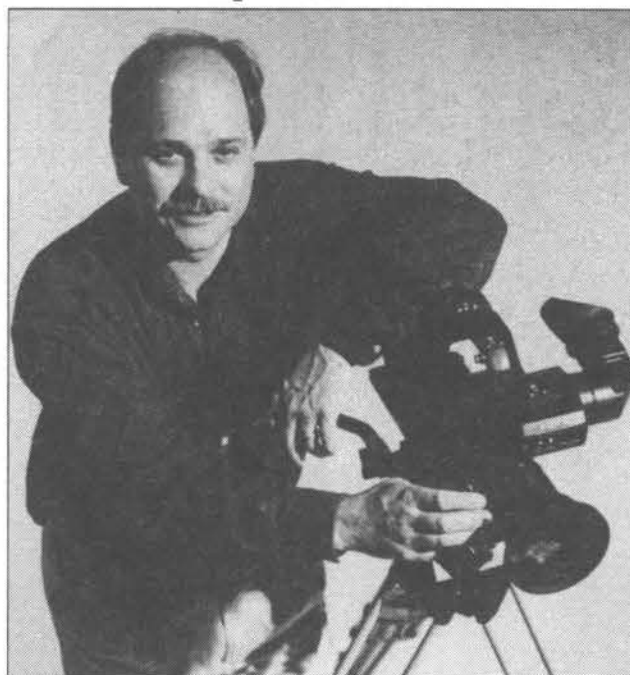
Carlson assists with project

Sharon L. Carlson, University archives and regional history collections, is one of 12 persons selected by the Bureau of Michigan History to assist with the Documenting Michigan Architecture Project, a planning effort to help preserve the state's architectural heritage.

The project's goal is to establish a plan to educate professionals involved in designing, constructing and developing buildings and the sites where they are located about the need to preserve records for future generations.

Carlson and other archivists, historians, preservationists and architects from around the state are charged with preparing recommendations on appraisal strategies for state archival and manuscript repositories by June 1995. The group also will select an initial listing of 50 to 100 significant design structures, firms, styles or individuals whose records should be preserved.

On campus



CHANGING CHANNELS—After 14 years in the human services field, Stephen L. Kettner decided it was time for a change. So he began pursuing a master's degree in communication at WMU, started working as a video production coordinator at the Kalamazoo Cable Access Center and eventually landed a job three years ago as a producer/director in media services. He works with clients both on campus and off campus on video productions, handling everything from script writing to shooting to editing. "Basically, I coordinate video produc-

tions from concept to completion," he says. Kettner, who gravitates more toward remote types of shooting, says he enjoys working with clients, especially faculty members at WMU. "I ask clients to look at us more like storytellers than button pushers," he says. "They are the content experts, while we advise them on how to best convey their message." Much of Kettner's recent work has been on productions promoting the University and its programs. Last year, a video he produced and directed under a grant from the Michigan Department of Education's Office of Minority Equity was recognized in several national and international film and video festivals. Kettner, who also teaches part-time in the Department of Communication, emulates one of the great filmmakers in some of his productions. Like Alfred Hitchcock, Kettner sometimes makes secret cameo appearances in his work. "I like the creative aspect of this job—that was the main reason I switched careers," he says. "I enjoy the satisfaction of seeing an end-product coming out of a collaborative effort."

Human resources

Public safety to take ID pictures

Effective Monday, June 6, the Department of Human Resources will no longer have the equipment for creating faculty and staff University photo ID cards. All employee ID cards will be created by the Department of Public Safety.

If you need a new or replacement ID, you may go to the WMU Police Station at 511 Monroe St., where the card will be created and issued to you. Hours are 8 a.m. to 5 p.m. Mondays through Fridays.

You also may have your picture taken at the

Public Safety Annex on the corner of West Michigan and Marion. Your ID card will then be created by the public safety Monroe Street office. Hours at the annex are 8:30 a.m. to 4:30 p.m. Mondays through Fridays.

Although appointments are not necessary, it's a good idea to call before planning to have your picture taken at either office to be assured all equipment is up and running: Police Station, 7-5555; Public Safety Annex, 7-4609.

Libraries

A new feature recently has been added to the WMU libraries DATAQUEST I databases, available on the WESTNET system.

When searching these databases through remote access, it is possible to print citations with abstracts continuously or download these records using the "pd" (for print/download) command. This eliminates the need to print or download a screen at a time if a continuous printout or downloaded file is preferred. This procedure has been tested and works well with select communication software, such as Procomm, but the outcome will vary depending on what communication software is being used.

Typing the command "pd" at the Search prompt in DATAQUEST I will bring up a series of screens with prompts for completing the command. The elements that need to be entered are: search number (or set number); type of field labels (1 for "short" labels must be chosen to print/download properly); format desired (short, medium or long versions of the records); and document or range of documents to be printed/downloaded.

It is necessary to activate your printer or downloading function in your communication software before completing the "pd" command in order to print/capture records. This feature is only available through remote access, and is not operational at public terminals within the libraries. To print at library terminals, you must use the <print screen> key as usual.

For specific directions and further information on this new feature, see library guide L1.316 (Printing/Downloading in DATAQUEST I) available at the WMU libraries reference desks.

Exchange

FOR SALE—Toddler items: car booster seat, Little Tykes slide—\$10 each; Little Tykes swing, two potty chairs, Little Tykes chair booster—\$5 each; call 7-5840 or 628-4650.

FOR SALE—Samsonite Pullman 26-inch hardsided suitcase; also a 20-inch one; both like new. Arrow shirts, 15x32, never worn. Man's shoes, Nunn-Bush 8C, never worn. Call 343-2146.

Media

Two faculty members will be guests in the coming weeks on "Focus," a five-minute interview produced by news services. "Focus" is scheduled to air on these Saturdays at 6:10 a.m. on WKPR-AM (1420) with the following speakers and topics: Ross Gregory, history, on D-Day, June 4; and Eldor C. Quandt, chairperson of geography, on planning family vacations, June 11.

Obituaries

Bernadine P. Branchaw, business information systems, died of cancer May 20 in Lockport, Ill. She was 61.

Branchaw earned her bachelor's degree from the College of St. Francis in Joliet, Ill., and her master's and doctoral degrees from Northern Illinois University.

She joined the WMU faculty in 1971 and taught undergraduate classes on such topics as business communication, office organization, report writing and secretarial administration as well as graduate methods courses. In 1987, she was one of two WMU faculty members honored for their contributions by the Michigan Association of Governing Boards.

Over the past 18 years, Branchaw wrote 14 books on business communication with her colleague, Joel P. Bowman, interim chairperson of business information systems. They also were active in consulting, with more than 20 years of experience conducting communication workshops and seminars. The two were well known speakers both locally and nationally.

Also active in professional organizations, Branchaw was a life member of the Association for Business Communication. She had served on numerous committees for the organization since joining it in 1975 and was elected president in 1992. She received several major awards from the association for her contributions.

Branchaw also was known for her service to local organizations. She had been a member of the Zonta Club of Kalamazoo, a busi-



Branchaw

ness and professional women's service organization, since 1974 and served as its president in 1976 and 1977. From 1973 to 1986, she proctored the Certified Professional Secretary Examination at WMU and was closely affiliated with the local chapter of Professional Secretaries International. She also was the organizer of the annual Seminar for Office Personnel at WMU, which celebrated its 22nd year in March.

Memorial contributions may be made to the Bernadine Branchaw Scholarship Fund in care of the WMU Foundation. Persons should include fund number 21-821142 with their contribution.

Lois E. VanDenBerg, emerita in directed teaching, died May 22 in Kalamazoo. She was 77.

A WMU graduate, VanDenBerg began her career teaching in one-room schools in Ionia and Eaton counties. She joined the former Division of Field Services at WMU as an elementary consultant in 1950 after earning her master's degree from the University of Michigan. She later joined the faculty in the College of Education and she retired from the University in 1975.

VanDenBerg organized and served as president of the Epsilon Chapter of Delta Kappa Gamma professional education sorority in Ionia. She also served as president and treasurer of WMU's Homer L.J. Carter Reading Council and on the editorial board of Reading Horizons.

She was a member of the First Baptist Church of Kalamazoo, the Weavers Guild and the Embroiderers Guild.

Memorial contributions may be made to the Epsilon Chapter of the Delta Kappa Gamma Scholarship Fund or the First Baptist Church Memorial Fund.

Media services

"Thinking About the Holocaust: Dr. Gerald Markle," a program produced by media services from the WMU Forum series, has been added to the University videotape/film library. This 30-minute program features a discussion with Gerald E. Markle, sociology, about historical details of the Holocaust.

Other recent videotape additions include: "Test-Taking Without Fear," which illustrates advice for students to reduce the anxiety of test-taking; "An Examination of the Clinton Presidency: A Conversation with Marvin Kalb," which features a panel discussion analysis of the Clinton administration's first year; "Reaching Learners Through Tele-

communications," which features a discussion of the authors of the book by the same title; "Buddhism, Man and Nature," which captures the thought behind Buddhism with sensitive photography of nature interwoven with similar scenes from Chinese and Japanese painting; and "The River Ran Red," which chronicles the bitter labor conflict in 1892 that erupted at Carnegie Works in Homestead, Pa.

To arrange for a loan of these videotapes, contact the Media Resource Center in Sangren Hall at 7-5070.

Jobs

The following list of vacancies is currently being posted through the Job Opportunity Program by employment services in the Department of Human Resources. Interested benefits eligible employees should submit a job opportunity transfer application or sign the appropriate bid sheet during the posting period.

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

For persons interested in faculty positions, there are openings in selected fields. A letter of application should be submitted to the appropriate dean or chairperson.

(R) **Clerk III**, S-04, Student Financial Aid and Scholarships, 93/94-366, 5/31-6/6/94.

(R) **Secretary II**, S-05, Evaluation Center, 93/94-367, 5/31-6/6/94.

(R) **Coordinator**, P-02, Student Life, 93/94-363, 5/31-6/6/94.

(R) **Manager (LAN Systems)**, X-05, University Computing Services, 93/94-369, 5/31-6/6/94.

(R) **Director**, Executive Official, Human Resources, 93/94-368, 5/31-6/6/94.

(R) **Associate Professor**, I-20, Paper and Printing Science and Engineering, 93/94-365, 5/31-6/6/94.

(N) **Associate Professor** (Temporary, 1 Year), I-20, Aviation Sciences, 93/94-364, 5/31-6/6/94.

(R) **Instructor** (Temporary, 1 Year), I-40, Finance and Commercial Law, 93/94-359, 5/31-6/6/94.

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

(N) New

(R) Replacement

WMU is an EO/AA employer

New information technology to be showcased at June 13 Telecity Expo in Fetzer Center

The public has been invited to take a free ride on the information superhighway at Telecity Expo from 10 a.m. to 8 p.m. Monday, June 13, at the Fetzer Center.

The event is being organized by the Forum for Kalamazoo County. Its sponsors include Ameritech, Borgess Medical Center, Bronson Methodist Hospital, Cablevision of Michigan, the cities of Kalamazoo and Portage, First of America Bank-Michigan, Kalamazoo County, the Kalamazoo Gazette, the Upjohn Co., Northern Telecom and WMU.

"A wide variety of exhibits will reflect the many exciting uses of the world's new information technology," said Allene Dietrich, executive director of the forum. "Participants will get hands-on experience with what the telephones, televisions and computers of today and tomorrow can offer us."

For example, those who attend the event can send electronic mail directly to the White House and read official White House documents, Dietrich said. Other exhibits will reflect the classroom of tomorrow and health

Candidates for nursing job here for interviews in June

Two candidates for director of the new School of Nursing will be on campus in the coming weeks for interviews.

Each candidate will make a public presentation at 4:30 p.m. in the Fetzer Center. A reception will follow.

The candidates, the dates of their appearances and the topics of their presentations are:

- Bianca M. Chambers, professor and chairperson of the Department of Community Health Nursing in the Indiana University School of Nursing, Wednesday, June 15, on "Health Care Reform and Its Implications for Nursing"; and
- Bernardine M. Lacey, a nurse educator for the Howard University College of Medicine and project director for the university's College of Nursing homeless project, Tuesday, June 21, on "Nursing's Social Mandate and Its Effect on the Education of Nurses" or "Health Care Reform and Its Implications for Nursing."

Additional information on the candidates is available by calling the College of Health and Human Services at 7-2656.

care information advances.

"Ameritech and Northern Telecom will present displays to show their versions of what the completely connected community will be like," said Hugh Anderson, chairperson of the Telecity Expo steering committee. "It's a chance to see what it might be like with everybody connected by computer to everybody else."

The expo springs from the Greater Kalamazoo Telecity USA Project, a three-year-old effort to bring education, government and business together to shape the community's response to what some are calling the "information revolution."

The project is headed by Andrew S. Targowski of WMU's Department of Business Information Systems. It consists of more than 100 volunteers who are organized into about 15 task forces.

"We can expect implementation of the Telecity concept to take place over the next one to five years, with some parts being available sooner and some later," Targowski said. "During that time our community could spend between \$5 million and \$20 million, some by private companies and some by public agencies."

Telecity is unique in the nation, Targowski says, "because it is user driven rather than vendor driven. We've had a lot of support from individuals, governments and institutions."

Telecity so far includes planned or designed networks in such areas as business; health care; education; and community information. It also includes a multi-channel home television network; a geographical information system; and a system for sharing information with other communities.

Some of the exhibits that are planned throughout the day at Telecity Expo will involve WMU departments, including demonstrations of the Kalamazoo Satellite Teleport, which can send a live television signal virtually anywhere in the world; of WMU's satellite-delivered master of business administration degree program; and of a proposed local higher education cable channel. The Office of Student Life will demonstrate its student information kiosk and the Office of Distance Learning and Department of Communication will be involved in presentations on the use of video and video networking.



TQM AT THE TOP—Members of the Quality Council, a part of the University's Total Quality Management initiative, learned about statistical methods used to measure improvement during a three-day session last month at the Gilmore House. Pictured are, from left, President Haenicke; Don Brodie, a consultant with the Paul Hertz Group of Miami, the vendor selected to assist in the TQM pilot project; Robert M. Beam, vice president for business and finance; and Theresa A. Powell, vice president for student affairs. The Quality Council, which consists of the president and vice presidents, is receiving the same training being given to the pilot group of eight WMU departments participating in the project. Council members have been going through the training sessions first in order to make any modifications to customize the program to WMU and to act as coaches and mentors for those in the pilot group.

Grotzinger honored by University of Illinois

Laurel A. Grotzinger, University libraries, has been selected as the 1994 recipient of the Distinguished Alumna Award by the University of Illinois Graduate School of Library and Information Science Alumni Association.



Grotzinger

She received the award May 15 at the annual commencement ceremonies of the school in Urbana-Champaign. She was honored for her "longtime achievements in library education and library history, including her special research on Katharine Sharp."

Grotzinger, who holds master's and doctoral degrees from Illinois, joined the WMU School of Librarianship faculty in 1964. During her tenure, she served as assistant director, acting director and interim director

of the school and was instrumental in developing several associated degrees in the library science program.

In 1966, her book titled "The Power and the Dignity: Librarianship and Katharine Sharp" was published. It has been recognized as an outstanding study of a unique turn-of-the-century educator and librarian.

Grotzinger was appointed dean of the Graduate College and chief research officer in 1978. She returned to the faculty in the University libraries in 1993.

Coffee planned for Belson

A retirement coffee honoring Beverly A. Belson, University ombudsman, is scheduled for 9 to 11 a.m. Wednesday, June 15, in 218 Bernhard Center. The University community is invited to attend.

Calendar

Thursday, June 2

(thru 10) Exhibition, "Michigan Lighthouses," aerial photographic perspective by John L. Wagner, East Lansing photographer/pilot, Department of Human Resources, 1240 Seibert Administration Building, weekdays, 8 a.m.-noon and 1-5 p.m.

*University computing services workshops, 2033 University Computing Center: "Introduction to Microsoft Word for Macintosh," 9-11 a.m.; and "Introduction to Aldus Pagemaker for Macintosh," 3-5 p.m.; call 7-5430 for registration information.

Meeting, Faculty Senate, Fetzer Center, 7 p.m.

Friday, June 3

Student employment referral service "Internship Search Workshop," career services conference room, first floor, Ellsworth Hall, 11 a.m.; registration preferred by calling 7-2725.

*University computing services workshop, "Introduction to Microsoft Excel (MAC)," 2033 University Computing Center, 12:30-3 p.m.; call 7-5430 for registration information.

Monday, June 6

*University computing services workshop, "Macintosh System 7," 2033 University Computing Center, 12:30-2:30 p.m.; call 7-5430 for registration information.

Tuesday, June 7

*University computing services workshop, "Electronic Mail Using PMDF Mail for VMS," 2033 University Computing Center, 12:30-3 p.m.; call 7-5430 for registration information.

Wednesday, June 8

*University computing services workshop, "Electronic Mail Using Pegasus for DOS and Windows (LANS)," 2033 University Computing Center, 3-5 p.m.; call 7-5430 for registration information.

Friday, June 10

*University computing services workshops, 2033 University Computing Center: "Thinking of Buying a Microcomputer?," 9-11 a.m.; and "Introduction to File Transfer Protocol," 12:30-2:30 p.m.; call 7-5430 for registration information.

Annual Academy of Volunteers dinner, Fetzer Center, 6:30 p.m.; call 7-8700 for reservations.

Monday, June 13

*University computing services workshops: (and 15 and 17) "SAS Basics," 2063 Kohrman Hall, 11 a.m.-1 p.m.; and "Electronic Conferences," 2033 University Computing Center, 12:30-2:30 p.m.; call 7-5430 for registration information.

Telecity Expo, Fetzer Center, 10 a.m.-8 p.m.

Tuesday, June 14

Student employment referral service "Internship Search Workshop," career services conference room, first floor, Ellsworth Hall, 9 a.m.; registration preferred by calling 7-2725.

Presentation by candidate for director of the Medieval Institute, "My Research in the Context of Medieval Studies Today," Evelyn Vitz, professor of French, New York University, 110 Walwood Hall, 10:30 a.m.

*University computing services workshop, "Graphic Display of Information," 2033 Univer-

sity Computing Center, 12:30-2:30 p.m.; call 7-5430 for registration information.

Wednesday, June 15

Retirement coffee honoring Beverly A. Belson, University ombudsman, 218 Bernhard Center, 9-11 a.m.

Graduate College writing workshop for the preparation of doctoral dissertations, specialist projects and master's theses, Graduate College Conference Room, Seibert Administration Building, 10 a.m.; call 7-3569 to register.

Presentation by candidate for director of the School of Nursing, "Health Care Reform and Its Implications for Nursing," Bianca M. Chambers, professor and chairperson, Department of Community Health Nursing, Indiana University School of Nursing, Fetzer Center, 4:30 p.m.; reception follows.

Thursday, June 16

*University computing services workshops, 2033 University Computing Center: "Introduction to the Internet," 9-11:30 a.m.; and "Macintosh Graphics," 12:30-2:30 p.m.; call 7-5430 for registration information.

Presentation by candidate for director of the Medieval Institute, "My Research in the Context of Medieval Studies Today," Paul E. Szarmach, professor of English, State University of New York at Binghamton, 110 Walwood Hall, 3:30 p.m.

*Admission charged

Centers for Excellence (Continued from page one)

sciences, and will involve researchers from that department as well as from the Department of Chemistry and the Center for Electron Microscopy. They will focus on studying how environmental pollutants affect cell function and produce genetic changes in cells — processes that can result in cancer, cardiovascular disease, neurological problems and birth defects. Signal transduction refers to the mechanisms by which chemical agents or biological molecules initiate action within the cell.

According to Jackson, the group will be studying a number of environmental pollutants commonly found in Southwest Michigan to determine how each affects cells, organisms and the whole ecosystem. Heavy metals such as mercury, cadmium and chromium and other toxic compounds will be

examined, with each researcher tackling the problem from his or her own area of specialty. Plant and insect defense mechanisms as well as human and animal cell responses will be studied in an attempt to find common links in the ways organisms respond to environmental stress.

"We have a number of people working successfully, but independently, in these areas," Jackson says. "National funding is going to multi-disciplinary, focused research groups and this will help us get that kind of team rolling here."

The new funding will help the team hire graduate and undergraduate research assistants, allow it to travel to the national funding agencies and support consultation visits by scientists from other institutions who are working in the area of signal transduction.