Internet anxiety shouldn't prevent us from venturing into cyberspace

No, you can't punch up my "home page" on the World Wide Web. You can't even e-mail me or act me outside the office. I confess—I'm a late bloomer.

I've dragged my feet when it comes to venturing onto the infamous Internet, that burgeoning "information superhighway" of globally interconnected computer networks. But the future is here, as they say, and I can't avoid it any longer.

My job is beginning to require more than "electronic mail" treks into the ethereal world of computers and computer aficionados called "cyberspace," and so are my computer-enthralled friends, who think it's passé to pick up the telephone when they want to contact me at home.

Even my mom's getting into the act. After fifteen years of digging, she isn't able to get the scoop on dad's side of the family. Then she read somewhere that the Internet is loaded with genealogy information. Now success seems to be just around the corner—after all, I have a computer in the house!

The water's fine, I think

So, I've begun taking my first faltering trips into a well-populated but alien world. An estimated 40 million people worldwide can and do access the Internet, and the number increases every day. These cyber surfers are engaged in everything from corresponding with clients via electronic mail, researching databases, and arranging air travel to buying clothes, finding dates, and keeping track of the latest Star Trek collectibles.

Meanwhile, I've been battling a fear of becoming lost in cyberspace. "I'll turn into a cybersnib, losing all track of time as I ferret out tantalizing tidbits of information," I kept thinking. "Or, worse, I'll find myself hopelessly adrift in an endless maze of incoherent roadways and incomprehensible road signs, terrified of moving lest I take a wrong turn and crash computers across the Midwest."

In the words of a distinguished friend of mine, "I'm cybersurfing." "I don't know where I am or if I'm at home. How do I find your address?" "Or is it surf?" sometime, so it might as well be now. Besides, mom's wondering why it's taking me so long to finally unravel the mystery of our ancestry.

Step one was getting my feet wet by learning some key concepts. Rather than drive over to Waldo Library—my usual modus operandi—I used my office computer and my employee access to Western Michigan University's campus network to take a spin on the Internet.

Two days of trial and error and three computer crashes later, I managed to find and print out some helpful information, including several FAQ (frequently asked questions) pages and the Electronic Frontier Foundation's Guide to the Internet (formerly The Big Dummy's Guide to the Internet) by Adam Gaffin.

I don't know where this stuff came from, but it's mine now.

Continued on page 4
U.S. News and World Report says

WMU’s engineering college among nation’s best

Western Michigan University’s College of Engineering and Applied Sciences has been named one of the nation’s top thirty for undergraduate programs among comparable institutions by U.S. News and World Report magazine. Meanwhile, for the seventh year in a row, the magazine has ranked the University among the country’s top 229 national universities. The only other Michigan public universities on the list are the University of Michigan, Michigan State University, Michigan Technological University, and Wayne State University.

“This is continued evidence that WMU is one of the state’s top five public universities,” President Diether H. Haenicke says. “In many significant measures, including enrollment, graduate enrollment, research support, and private giving, we are clearly the state’s fourth ranking public university.”

This is only the second year that the magazine, which has rated colleges and universities for the past ten years, has ranked undergraduate engineering programs. WMU’s program is ranked nineteenth.

“We are delighted with this significant recognition,” says Dr. Leonard R. Lamberson, dean of the College of Engineering and Applied Sciences. “It reflects the progress we have achieved in making our programs among the best in the Midwest and now in the nation.”

The college offers programs in aeronautical engineering, computer engineering, construction engineering and management, electrical engineering, industrial engineering, materials engineering, and mechanical engineering. Plans are under way for programs in chemical engineering and petroleum engineering.

The college also offers specialized programs in paper science and engineering, printing, engineering technology, and aviation. The college introduced a manufacturing engineering program in Muskegon.

WMU’s undergraduate engineering program is ranked above those of the University of North Carolina-Charlotte, the University of Tennessee-Chattanooga, and the University of Texas-San Antonio, among others.

Sharing WMU’s nineteenth ranking are the University of Michigan-Dearborn, Miami University of Ohio, California State Polytechnic University-Pomona, San Jose State University, and California State University-Los Angeles as well as the U.S. Coast Guard Academy in Connecticut and the U.S. Merchant Marine Academy in New York.

The list is headed by Cooper Union in New York, Rose-Hulman Institute of Technology in Indiana, Harvey Mudd College in California, and California State Polytechnic University-San Luis Obispo. In this order, the list included GM Engineering and Management Institute in Flint (eleventh) as well as Rochester Institute of Technology in New York, the U.S. Air Force Academy in Colorado, Rose Polytechnic Institute in Indiana, and the U.S. Military Academy in New York (ninth).

Some of the country’s top business, education, and government leaders are bringing their expertise and experience to Western Michigan University and Southwest Michigan through a speaker series that the Haworth College of Business debuted this fall.

“The college is helping WMU perform its function as a vehicle for discussing and communicating important societal developments by examining one of the most critical developments occurring today—the accelerating rate of global change,” says Dr. Diether H. Haenicke, chairman of the series and the Department of Finance and Commercial Law.

“Our new Distinguished Speaker Series is stimulating discussion of that key trend, and our ability to attract such high-caliber participants is just one indicator of the quality and stature of our business programs,” the series began September 18 with a presentation by John L. Zabriskie, Ph.D., president and chief executive officer of Pharmacia & Upjohn Inc. The next scheduled speaker is Daniel R. Smith, B.B.A. ’55, former chairman and chief executive officer of First of America Bank Corp. Smith will speak November 20.

Other first two speakers are prominent representatives of Kalamazoo’s business community. Both are alumni of the university, and the industries they represent, have undergone changes during the past decade which have radically altered their companies’ roles,” Korth says. “We asked them to discuss their involvement in these changes and the outlook for their industries, focusing on developments impacting Southwest Michigan. Future speakers will address additional topics of regional interest.”

Zabriskie works at P & I’s corporate management center in London. He served as chairman of the board and chief executive officer of The Upjohn Company from January 1994 until its merger with Pharmacia AB in November 1995. Prior to joining Upjohn, he had spent his entire career with Merck, holding several officer positions in sales, marketing, public affairs, and manufacturing. In his last position, he was executive vice president of Merck & Co. and president of Merck Manufacturing Division.

Smith, who retired in May, was a director with First of America Bank in Michigan and Florida before becoming president of First of America Bank-Michigan in 1977. He was named First of America Bank Corp. president in 1982 and chairman and CEO three years later. A nationally known member of the banking community, he served as president of the American Bankers Association in 1993-94 and has consistently been involved in numerous state and national banking-related organizations.

For information about Smith’s presentation, call WMU’s toll-free InfoLine at (888) WMU-INFO.

WMU again enacts one of state’s lowest tuition hikes

Students attending Western Michigan University this fall are once again finding great value.

At just 2.8 percent, WMU had one of Michigan’s lowest tuition increases for the 1996-97 academic year, continuing a long effort to hold University to below cost increases while maintaining quality.

Helping WMU keep the increase low were Gov. John Engler and state legislators who signed legislation this year that gave WMU a 6.3 percent increase in state appropriations.

“WMU has consistently sought to keep costs as low as possible for our students,” President Diether H. Haenicke says of the tuition increase. “We believe that, as a public institution, we must remain accessible to as many students as possible.”

The 2.8 percent increase was for all students and included in-state undergraduate students to qualify for a $250 tuition tax credit from the state. In addition, WMU froze room-and-board rates for all students last year and for all returning students this year.

The legislature’s appropriations increase for WMU was up by the largest percentage of any of the state’s doctoral or research universities.

“To say that I’m pleased and grateful would be an understatement,” Haenicke says. He also acknowledges the special help of the University’s Legislative Advocacy Network, which is made up of alumni and other friends who contact elected representatives on behalf of WMU.
A 1934 graduate who was a former school teacher and social worker has given Western Michigan University the largest single gift in the institution’s history.

President Diether H. Haenicke announced the $5.72 million gift from the late Helen Stewart Frays during naming ceremonies September 20 for Stewart Tower, the clock tower that connects Waldo Library and the Computing Center on campus.

The clock tower was named as a tribute to Frays’ parents, Thomas and Mary Stewart Frays, a lifelong resident of Kalamazoo, who supported our University with gifts of $1 million or more," Haenicke said.

"There are apparently no limits to the loyalty and generosity bestowed on Western Michigan University by its alumni and friends, and we are deeply gratified."

Previously, the largest gift to the University was a $5 million donation made in 1989 by the Haworth family and Haworth Inc. of Holland. That gift remains the largest single corporate contribution in University history. Before the Frays donation, the largest donation from an individual was $2 million made in 1992 by the late Beatrice Frays of Portage Creek.

Portions of the Frays donation have been designated for the School of Social Work, for a Professorship in the name of Frays’ late mother, and for unrestricted University endowment.

"Helen Frays was highly successful, wealthy, and admired for her love of the arts and people with long life," Haenicke said. "It would have been easy for her to forget her parents, who died many years earlier. It would have been easy to forget the University that granted her a bachelor of arts degree sixty years after her death. Helen Frays forgot neither.

In this one act, she demonstrated her lifelong loyalty to both her parents and to her alma mater."

WMU reaches new highs in amount of grant funds awarded, gifts received

"As we become a mature research institution," Thompson says, "there will be larger and more long-term grants. Our researchers have awarded large grants originally because of their skills. People have now had the opportunity to see the results of such research and have come to recognize us as an outstanding research institution, especially in the area of applied research."

He notes also that a number of interdisciplinary research centers and institutes have blossomed across campus in recent years, bringing established researchers and new faculty members together in the research enterprise and attracting the attention and funding of both industry and government agencies.

In an effort to make even more funding agencies aware of the capabilities of WMU researchers, Thompson and his staff have been organizing Washington, D.C., visits for deans, department chairpersons, and individual faculty researchers. During the trips, they interact with people who run some of the top funding agencies and get a feel for issues and topics that will most interest the granting agencies in coming years.

"Many in tomorrow through gifts

Awareness of WMU’s many capabilities, as well as its many needs, has already been growing significantly among the ranks of the thousands of donors who are contributing to the University through private giving.

Last fiscal year’s record $12.3 million in gifts (which includes a substantial portion of the Frays gift announced earlier) dramatically demonstrates the point.

"This level of support really says how people believe in University and its leadership and want to invest in its future," says Keith A. Pretty, vice president for external affairs and general counsel.

"During the last ten years, the public has given almost $84 million in gifts to the University. That’s $84 million in scholarships, including the prestigious Medalion Scholarship, as well as programs support and construction assistance that didn’t exist before.

Pretty notes that last year’s gifts were made to a wide variety of academic programs and initiatives. That’s a further indicator of the University’s wide support in the state and around the country, he says, as well as a residual effect of the Campaign for Excellence, a capital campaign that ended in 1992 after raising $62 million.

Awareness, commitment continues

But although a few pledges made during that campaign were part of this year’s gift total, Pretty explains that the greatest impact on current gift levels resulted from the campaign raising awareness about WMU’s needs and strengthening people’s commitment to enhancing education.

"This University has a relatively short tenure in the business of seeking private support," Pretty notes. "But the level of enthusiasm generated here in the past previou level, We tern Michigan

Thomson says significant components to the grant total included a 91 percent increase in federal grant funding over last year, a 25 percent increase in the number of awards of $500,000 or more since 1994-95, and funds from large, multi-year federal grants awarded to WMU researchers during the 1990s.

Frays, a longtime member of WMU’s President’s Circle of major benefactors, was employed for six years as a teacher in the Sturgis, Michigan, public schools and for thirty-five years as a social worker in what is now the Michigan Family Independence Agency. Her husband, Alvin W. Frays, who died in 1978, was an attorney and real estate developer. In publishing other projects, he developed the Maple Hill Mall across the city’s west side.

The tower was named as a tribute to Frays’ parents, Thomas and Mary Stewart Frays, a lifelong resident of Kalamazoo, who supported our University with gifts of $1 million or more," Haenicke said.

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University News in Brief

Appointments, elections, and personnel changes

Dr. Timothy Light has been named acting provost of the University of Alabama. Light, a Kalamaoo native, has been a WMU faculty member since 1991 and a special assistant to the university's national affairs to President Dether H. Haenicke since 1993. He received a bachelor's degree in math from the University, bachelor of divinity degree from Union Theological Seminary, master's degree in administration from Columbia University's Teaching College, and doctoral degree in linguistics from Cornell University. An expert in Chinese language, he recently assumed a position as provost and vice president for academic affairs at the University of Alabama.

Light held several teaching and administrative positions at the Chinese University of Hong Kong and the University of Arizona. Then in 1989, while Haenicke was a dean at Ohio State University, Haenicke hired Light as a professor and department chairperson. Their paths crossed again in 1996 when Light was named provost at Kalamaoo and Haenicke was serving his second year as WMU's president. Light went on to serve as Kalamaoo College's acting president in 1989-90 and as president of Middlebury College for a year. He was named a visiting professor at WMU in 1991, appointed a tenured professor in 1992, and tapped by Haenicke in 1993 to help boost WMU's international activities.

• Dr. F. William McCarty, professor of finance and commercial law, has been appointed to a one-year term as interim dean of the College of Business. McCarty has been a faculty member in the college's Department of Finance and Commercial Law since 1970 and served as chairperson of the department from 1985 to 1994. He replaces Dr. David Vellenga, who resigned this June.

• Stephen M. Keizer, B.S. '89, M.A. '91, has been named assistant district director of the annual fund evaluation department. Keizer assists in managing and implementing the annual giving program, as well as administering the phonathon and spearheading class reunion gift campaigns. He replaces Karen Santamaria, who resigned.

Departments, programs, and academic activities

A bachelor of science degree in manufacturing engineering, designed to supply Muskegon and area manufacturers with the kind of engineers they need, began accepting students this fall. Representatives from WMU, Muskegon Community College, and Muskegon area manufacturers worked for two years to plan the program. It seeks to develop students who can take a product from design or manufacture to manufacturing process, especially in the area of metal forming and shaping, with which most Muskegon County manufacturers are concerned. The college's 12-hour minimum program is fully integrated with NCC—freshmen and sophomores take sixty credit hours of courses from NCC and take their remaining courses from WMU's Honors Education Center.

The master of science degree in engineering management is being offered at WMU's Sangren Hall headquarters in Holland, Michigan, and exclusively for the firm's employees. The venture, the first of its kind for both Prince and WMU, is for engineers who want to augment their technical skills with management skills. The thirty-hour program is offered at WMU's main campus in Kalamazoo and at the university's regional centers in Grand Rapids and Muskegon. In developing the program, WMU administrators have tailored three classes specifically to meet the needs of Prince employees.

The College of Education has been reaccredited under new, performance-oriented standards of the National Council for Accreditation of Teacher Education. This means that WMU-trained teachers will have been prepared according to accepted national standards of excellence that are compatible with emerging state licensing requirements. It also means the college's programs meet high standards in such areas as program excellence and quality of faculty and graduates.

The master of public administration degree, one of the largest such programs in the Midwest and country, has been endorsed by the Council on Postsecondary Education and Accreditation of the National Association of Schools of Public Affairs and Administration. The program will be accredited for seven years and be included on the association's Annual Roster of Accredited Programs. Out of 132 institutional members, 37 have programs like WMU's that are seeking accreditation. Many of these programs are self-help efforts by APA through its main campus in Kalamazoo as well as through regional centers in Battle Creek, Grand Rapids, and Lansing.

Two popular degree programs are changing to keep pace with graduates' professional needs. A doctor of philosophy degree in counseling psychology has replaced the doctor of education degree in this field offered since 1976 (retaining its American Psychological Association accreditation), while a new master of science degree in medicine was approved. The new bachelor of science to physician assistant program established at WMU in 1972. The new Ph.D. brings the number of doctorate programs available at WMU to twenty-three, and the new M.S. brings the total of master's programs to sixty-three.

Honors, awards, and notable recognition

• State Rep. Paul C. Hilligons of Holland, speaker of the Michigan House of Representatives, was accepted into the College of Fellows of the American Theatre. Hilligons, who retired from WMU in 1992, was honored for his contributions in the field of creative drama for children. The College of Fellows recognizes distinguished service to the theater profession and each year inducts a small number of individuals whose work has received national attention.

• Sangren Hall's Reading Center and Clinic has been named for its former director, Dorothy J. McGinnis, professor emerita of English. McGinnis, who retired from WMU in 1996, is nationally known for her work in diagnosing and treating reading problems and was a pioneer in the field of reading development for adults. She taught at WMU for eleven years; founded Reading Horizons, an international professional journal that is published at WMU; played a major role in establishing the university's master's program in the teaching of reading; and won a WMU Alumni Association Teaching Excellence Award in 1972.

Internet anxiety shouldn't prevent us from venturing into cyberspace

Thirty years in the making

So far I've gained a sense for what the Internet can and can't do as well as how it came into being. According to the Internet Guide, the first idea was developed so soon be do such things as:

• Stay in touch with friends, relatives, and colleagues around the world, at a fraction of the cost of phone calls or even air travel.

• Discuss everything from archeology to zoology (and presumably genealogy) with people in several different languages.

• Tap into thousands of information databases and libraries worldwide.

• Share scores of thousands of documents, journals, books, and computer programs.

• Stay up to date with wire-news service and reports on official international news.

• Take a "virtual" visit to potential vacation spots and plan a specific trip.

• Play live, "real-time" games with dozens of other people at once (What will the boss say?)

The possibilities seem endless, giving substance to one of my early ideas, so soon be do such things as "a million kilobits.

So how was such a miraculous system born? Researchers in the 1960s were experimenting with linking their computers through telephone hook-ups. EFP's Internet guide says. The effort was funded by the U.S. Army's Defense Advanced Research Projects Agency (ARPA), which wanted to know if different locations could be linked using a new technology called "packet switching."

Previous networking efforts required a line between each computer. ARPA's new approach connected networks in a new way: allowed data to be broken down into packets, transmitted piecemeal over several different communication lines, and assembled at their destination.

In addition to allowing networks to automatically route data around downed circuits or computers, this system allows computer users to share data and researchers to exchange electronic mail (e-mail).

"In itself, e-mail was something of a revolution, offering the ability to send data or letters at the speed of a phone call," the Internet guide says. "But ARPA's goal wasn't the creation of today's international computer-using community, it was development of a data network that could survive a nuclear attack."

Dubbed ARPANET, the infant networking system gradually grew, with ARPA supporting the development of new or pre-existing data packets over a variety of different types of computer networks. Some packet switching enthusiasts figured out how to connect to ARPANET on their own, circumventing the high cost of access and the government's stringent regulations.

Academics had early on realized the value of interconnecting their computer networks for research and advanced computing purposes. But they were more interested in sharing information with other researchers as a way to solve security issues. Rather than join ARPANET, they developed their own network, NSFNET.

A modern plus of plenty persisting

Eventually, the two huge networks connected with each other, sparking the birth of connected networks forming the Internet's backbone today. Nearly 10 million host computers serve as the Internet's backbone, while computer networks, businesses and groups are also using the Internet to connect, share information, and reach a large number of people, including those in remote areas.

For those whose employers don't offer Internet access, however, a wide range of commercial providers are available. Many of these providers offer a range of services, from around-the-world e-mail and participation in newsgroups (specialized online bulletin boards) to full Internet access and tools for navigating the World Wide Web, which is the easiest and most simple way to travel the Internet. You're charged a monthly rate for many of these services, but your actual surfing costs often no more than a local phone call.

So, what about the nagging fears that are preventing you from going for a test drive? Well, that handy Internet guide has helped put things in perspective for me, particularly on the hardware front.

"As you surf the Internet, your computer may freeze, your screen may erupt into a mass of gibberish. You may think you've just disabled a million-dollar computer system somehow—or essayed your own personal computer," the guide says. "But as long as you and your computer are harder than the phone line, you'll be okay. Relax. You can no more break the Net than you can break the phone wire. If worse comes to worst, you can turn off your computer. Then take a deep breath, and dial right back in."

By Jeanne Baron, M.A. '89

Continued from page 1
WMU
BERNHARD CENTER
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800-922-6794
9 • JanSport® 100% cotton heavyweight T-shirt features a great looking two-color design. Oxford: S,M,L,XL,XXL $14.95

10 • Big Cotton™ heavyweight crewneck by Gear®. Combed cotton crew with full-chest embroidery. 80% cotton/20% polyester. Butter: S,M,L,XL,XXL $44.95

11 • JanSport® premium heavyweight crewneck sweatshirt is enhanced with embroidery on the left chest. 100% cotton. White: M,L,XL,XXL $25.95

12 • JanSport® premium heavyweight crewneck sweatshirt with full-chest embroidery. Gear® Big Cotton™. Oxford: S,M,L,XL,XXL $29.95

13 • Stand out in a crowd wearing this two-color WMU imprint. JanSport® premium heavyweight crewneck sweatshirt. 80% cotton/20% polyester. Oxford: S,M,L,XL,XXL $29.95

14 • Support the hockey team by sporting this great looking WMU hockey crewneck sweatshirt by JanSport®. 80% cotton/20% polyester. Oxford: S,M,L,XL,XXL $29.95

15 • Functional and comfortable is this long-sleeved T-shirt by JanSport®. Enhanced with embroidery on the left chest. 100% cotton. White: M,L,XL,XXL $25.95

16 • Bold WMU hockey applique featured on JanSport® heavyweight crewneck sweatshirt. 50% cotton/50% polyester. Oxford: M,L,XL,XXL $36.95

17 • Gear® Big Cotton™ heavyweight crewneck is enhanced with full-chest sports embroidery. Football, hockey or women’s volleyball only. Please Specify. Natural: S,M,L,XL,XXL $49.95

18 • Wool felt letters and embroidery are combined to create this chiseled look on a JanSport® premium heavyweight crewneck. 80% cotton/20% polyester. Oxford or navy: M,L,XL,XXL $42.95

19 • Three-color Western Michigan design enhances this 100% cotton heavyweight T-shirt by JanSport®. Dark green. S,M,L,XL,XXL $14.95

20 • If it’s a crewneck sweatshirt you’re looking for—this is it! JanSport® premium heavyweight crewneck sweatshirts same great imprint as item #2. 40% cotton/60% polyester. Dark green. S,M,L,XL,XXL $32.95

21 • Show your school spirit and support the athletic department by wearing this heavy- weight crewneck by JanSport®. 50% cotton/50% polyester. Oxford: M,L,XL,XXL $24.95

22 • Wool felt letters and embroidery are combined to create this chiseled look on a JanSport® premium heavyweight crewneck. 80% cotton/20% polyester. Oxford or navy: M,L,XL,XXL $42.95

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25 • Show your school spirit and support the athletic department by wearing this heavy- weight crewneck by JanSport®. 50% cotton/50% polyester. Oxford: M,L,XL,XXL $24.95

picted at left

5 • “Bronco” flag by University Blanket and Flag®. White with bronco imprint. $39.95

6 • JanSport® ultra weight long-sleeved T-shirt is enhanced with Western Michigan University full chest embroidery. Rugged construction and sleeves that push up easily for year-round versatility withstands seasons of wear. 100% cotton. Dark green or navy: M,L,XL,XXL $25.95

7 • Dynamically styled pique henley by JanSport® includes a drop split tail, back locker patch and handsome four-button placket. Narrow rib-knit trim and durable coverstitch detailing can withstand any activity. Natural: M,L,XL,XXL $35.95

8 • Weathered long-sleeved T-shirt is designed with fashion and comfort in mind. Garment-washed for a relaxed fit, you can enjoy its comfort and great look. 100% cotton. By JanSport®. Natural: M,L,XL,XXL $25.95
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Shipping & Handling
The Internet is making the grade for growing numbers of faculty, students

The global information system known as the Internet has many advantages for Western Michigan University's faculty and students. Many faculty have created Web pages to enhance their teaching, and many institutions now offer services to students through the Internet.

Dr. Joseph Kayany, assistant professor of communication, first began using Internet resources to teach his international telecommunications class. He encouraged his students to e-mail him frequently and to post the assignments to spark interesting discussions. Later in the semester, Kayany developed a class Web site. By writing essays about international telecommunication systems, the office announced its availability to the Web site and created their own Web pages.

"By the end of the semester, we had a document created by the instructor and the students," Kayany says. "Now I have an on-line resource which I can use for my next batch of international telecommunication students with almost no set-up time."

For Kayany, World Wide Web documents are primarily a class resource, but he believes students must be exposed to on-line communication right from the start.

"If learning to use the library is essential, so is learning to use the Internet," he adds. Deidre Popovich, a junior from Wakefield, Michigan, says she used the Web pages developed by Kayany to review for the tests, and she enjoys the class newsgroup.

"Dr. Kayany puts all the main ideas for the course on his Web site," Popovich says. "It's a good way to review for the tests."

She adds that the class newsgroup is an easy way to voice questions, although she does not have the opportunity to say in class. She also uses the Internet when she has to do research for a paper or project.

"The Internet is great! More professors should start integrating the Net into their classes," Popovich says. Rashidi notes faculty members who are using the Web in other ways, but some have yet to have the opportunity to say in class. She also uses the Internet when she needs help to research a paper or project.

"An innovative approach is Dr. Dean Johnson's use of the Web as a computer-assisted instructional tool for his electrical engineering introductory course," Rashidi says.

Johnson, associate professor of electrical and computer engineering, has applied multiple choice quizzes for the class site that allow students to receive immediate feedback about the correct answers. He also has a page in his class, which contains notes from his lectures as pictures on the Web to help students.

Dr. Seamus Cooney, professor of English, provides another innovative example with his nature of poetry course. In addition to poems and the course syllabus appearing on-line, the site includes notes on English poetry by the class and a link to commentary on a quote from Shakespeare. Cooney says he has received comments from students and Web surfers around the world.

Julie Papp, a biology major from Dearborn Heights, Michigan, says she used the site for her mythology class. "I probably would not have played around with the Internet if I hadn't had to use it for my class," Papp says. "It's fun and I think professors will probably be using it more often."

Every fall and winter semester since January 1995, Undergraduate Faculty Development Services have offered Enhancing Teaching with Technology, a series of faculty-oriented seminars that demonstrate integrated applications of the Web and other computer technology. They joined forces this spring to create the week-long Enhancing Teaching with Technology Institute, which allowed faculty members to explore techniques in more depth and featured faculty who are successfully using technology in the classroom as well as in workshops. Participants could make immediate applications to their own course materials.

Given the many benefits of computers and the Internet, WMU has long supported making such technology available to the campus community. Students in particular have benefited from the numerous computer laboratories set up across campus and in residence halls and from the special data lines installed in residence hall rooms. By plugging in their personal computers or using a laboratory computer, students have access to the Internet, a variety of software on the University's mainframe computer, and WMU's affiliations with computer networks like Michnet, the statewide network.

"Dr. George Kohrmann, assistant director of networks for UCS, says that WMU accounts are available to all students, faculty, and staff, and they can access residence hall bedrooms, campus apartments, or individual offices.

"Given the Internet's accessibility, many offices have put their services on-line. The Office of Off-Campus Life provides information on the Internet for students seeking housing off campus. The Office of Computing Services is a mainframe computer system, including listings of rental units and rooms, carpooling and share-a-ride information, and a buy-and-sell database.

- The Office of Student Life currently has several registered student organizations that have their own home pages. For example, the basketball team has their own pages. The office also has put an admissions application on the Internet. The office of news services, currently has its calendar of news releases.

- The Office of Admissions and Orientation has an extensive bank of information on the WMU Web pages, including sites for Bronco sports and a promotion on the Westerner, October 1996.

- The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services.

UCS, as you might expect, has an extensive bank of information on the web, everything from profiles of its staff members to suggestions on e-mail etiquette and a form to register for UCS workshops.

For prospective students and their parents, a tour of campus buildings is available, featuring pictures of various facilities along with brief descriptions of them. They also contain helpful services, such as information about library hours, branches, services, and other information on the WMU Web site.

- The WMU Office of Admissions and Orientation's office of news services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services. The WMU Computing Services Office of News Services, currently has its calendar of pages to enhance their "on-line" information, services.

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Assistant professor of electrical engineering and computer science, holds an integrated supply management major and is an active member of the WMU Student Government. She says she uses the Internet to access the most recent information on the topics she is teaching in her classes.

"I'm finding it to be a great tool to enhance the learning of my students," she says. "I use the Internet to find current news articles, reference material, and even complete books on my topics of interest."

"I've found that students can access information on the Internet that is not available through other sources," she says. "They can access databases that are not available on-campus or through other sources."
1945-1949

Barbara Lett Simmons, BA 49, was elected the Director of Columba's General Alumni Association on the Democratic National Committee. She was the first woman to coach a northern League basketball team, playing center on the St. Lawrence University basketball team in 1948. During her career, Coach Simmons served as associate coach, head coach and league teams, coached in the major leagues, and managed minor league teams.

1950-1954

D. Louis Christensen, BA 53, in May was named 1995 Director of the Office for International Education at the Institute for International Education, the host institution of the Bencherich Foundation.

1955-1959

Marilyn R. Conrad, BS 57, retired in December and joined the staff of Whirlpool Corporation, Benton Harbor, Michigan. She was appointed by the President of the Labor Force Task Force which, during her tenure as director, was recognized for its outstanding record of achievement.

1960-1964

Terwilliger played for five major league teams, including the Toronto Blue Jays and the Baltimore Orioles, and was named to the 1996-97 All-Star team.

1965-1969

Phyllis E. Biggins, BA 65, was named as a program administrator for American University's Institute for the Study of Children and Technology, Pine Lake, New York. She is working to develop educational programs that are targeted at children with disabilities.

1970-1974

John M. Bane, BS 70, is a candidate for Governor of the State of Oregon. He is the son of Oregon State Senator John B. Bane.

1975-1979

George A._ENUMERATION, BS 75, was named president of the National Association of University Student Teachers. He is a former member of the National Association of University Student Teachers. He is a former member of the National Association of University Student Teachers.

1980-1984

Jane Rodesiler Norton, BA 65, was recently elected as a trustee of the Westerner, October 1996. She is the wife of the late James Rodesiler, son of the late James Rodesiler, Jr.

1985-1989

Laura Hill, BS 85, is the Director of the Center for the Study of Education and Technology at Michigan State University. She is a former member of the National Association of University Student Teachers.

1990-1994

John D. Carter, BBA 78, is employed by the U.S. Department of Commerce, Washington, D.C. He is a former member of the National Association of University Student Teachers.

1995-1999

Gary Hettiger, BS 90, was recently named as a partner in the law firm of Jones, Day, Reavis & Pogue.

2000-2004

Susan Schackard Bevan, BS 85, was named as a professor of sociology at the University of California, Berkeley. She is a former member of the National Association of University Student Teachers.

2005-2009

Joanne T. Teed, BS 97, was named as an associate professor of English at the University of California, Berkeley. She is a former member of the National Association of University Student Teachers.

2010-2014

John D. Culliton, BBA 69, is employed by the U.S. Department of Commerce, Washington, D.C. He is a former member of the National Association of University Student Teachers.

2015-2019

Gary J. Kropp, BA 74, is a project manager for the National Security Agency. He is a former member of the National Association of University Student Teachers.

2020-2024

Donald G. Southall, BS 74, is a project manager for the National Security Agency. He is a former member of the National Association of University Student Teachers.

Mailbag

Westerner helps reader keep up to date

I am always happy to see the Westerner in my morning paper. It is a great way to keep up with what is happening in the Western Michigan University. However, I do not always have time to read the paper. Is there a way I can keep up with the latest news?

Kathryn (Grues) Dickerson, B.A., J. T.

Story about universities was "enjoyable"

The May 1996 issue of the Westerner had an article about the role of the university. It was very well written and enjoyable. I would like to see more articles like this in the future.

Gary J. Kropp, BA 74, is a project manager for the National Security Agency. He is a former member of the National Association of University Student Teachers.

Lily D. Davis, BA 76, was chosen as the recipient of the 1996 Harry L. Bane Award for Outstanding Achievement in the field of Women's Studies.

Gary J. Kropp, BA 74, is a project manager for the National Security Agency. He is a former member of the National Association of University Student Teachers.

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Mary Steinhilper Becher, BS '78, is a therapist for the Centro Costa Counseling and Consulting Center in Beverly Hills, CA.

Mary A. Maloof Malden, BA '74, MA '97, received the Grandville Public Schools Retirees Club Distinguished Service award in 1995.

Margaret L. Dickson, BS '79, MBA '80, has 14 years with the U.S. Army, joined ER, Inc. as a least development engineer and later was promoted to director of software development and technology leadership development in Huntsville, AL...

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Jovial twin sisters from Michigan are becoming celebrities in California

Don't ask them when they were born or when they graduated from high school. Twins Vivian and Marrian Brown aren't about to brudge when it comes to revealing their age. Even their piano teacher of ten years doesn't know.

"We're twenty-one-plus," says the perky retirees, both of whom have business degrees from Western Michigan University.

Image is a part, after all, for the identical pair who have become San Francisco's unofficial mascots. Called the San Francisco Twins, they've gained national attention starring in commercials and on billboards for everything from Reebok athletic shoes to IBM. But the show is hardly over.

Around town, the self-proclaimed clothes horses are known for their perfectly matched outfits and overlapping hair that has earned them the nicknames "Chip and Dale."

But no matter how much they smile and giggle, don't take these sissies for pushovers.

"We do what we want to do," Vivian says. "If we don't want to do it—no way."

Alumni, friends in Japan launch drive to raise funds for WMU

About 500 Japanese Western Michigan University alumni and friends have launched a fund-raising campaign for the University in the Japanese. "The WMU Friends in Japan Endowment Fund," believed to be the first WMU fund organized outside of the United States, is intended to promote understanding of Japan and the Japanese among members of the WMU community.

"This fund has four goals," director of operations in the Office of International Affairs, the move is highly aboard. "It will be used for study abroad during the past thirty-four years. The Kalamazoo Kai is made up primarily of Kalamazoo graduates, visiting faculty members, graduates of Kalamazoo College and Kalamazoo Valley Community College, and others who have spent some time in Kalamazoo during their lives. This group numbers about 400."

Following the successful completion of the initial endowment fund drive, the two groups hope to form an official WMU alumni club in Japan.

If and when they do say it—"including opinion pieces (informed guesses), safe they (for it), and subsidized housing (there's too much of it)"

Their own clothing—right down to the accessories—is all custom. When you can do in their lives."

"We've lived in the same rent-controlled apartment on the Hill since 1975, sharing a bedroom with (what else) twin beds. Each day, they rise at 9:00 a.m. in time to watch "The Price is Right" at 10:00. When Marrian can't cook dinner, they often eat "like they're going places.""

"Their own clothing—right down to the accessories—is all custom. When you can do in their lives."

All of the money raised will support American students. The funds will go toward travel to Japan and study in Japan. The drive is sponsored by two Japanese groups in the Office of International Affairs, the move is highly abroad. "It will be used for study abroad during the past thirty-four years. The Kalamazoo Kai is made up primarily of Kalamazoo graduates, visiting faculty members, graduates of Kalamazoo College and Kalamazoo Valley Community College, and others who have spent some time in Kalamazoo during their lives. This group numbers about 400."

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Classnotes

Tari VanderMeer Reinink, BBA '83, in April was promoted to manager global cosmetics corporation, of Ernst & Young, New York, N.Y. She specializes in multinational taxation.

Mike Sefka, BSE '83, in May was promoted to plant manager-per- sonnel supervisor for Kellogg Co., Battle Creek, Mich.

Paula Phelan, BSE '90, MBE '95, recently completed the requirements for becoming a professional engineer in Michigan.

Gary P. Lanoce, BS '86, is now manager for Bemis Manufacturing Paper Co., Hackensack, N.J.

A. Steven Olason, M.D. '85, is a vice president and a consulting partner for Management Development Consultants, Inc., Mil- waukee, Wisc. Schroeder is an assis- tant professor in the Department of Psychology at Kalamazoo College, Kalamazoo, Wisc. WI.

James L. Walls, BSE '81, was recently named associate director of housing at Grand Valley State U- niversity, Allendale, Mich.

Alan Rain, BEd 97, was recently selected as the Michigan State Univer- sity Outstanding Educator, an award given for exemplary use of technology practices in education by Apple Com- pany. Inc. through its Apple Digi- nished Education Program. Rain is assistant headmaster for school de- velopment at Bremer Academy, Walkerville, Mich.

Serenesh Carbull Constable- lin, BA '97, M.M '97, has joined Families in Society, Family, Ltd., Lake Bluff, Ill. Constablelin is an B- level caseworker at the Following the successful completion of the initial endowment fund drive, the two groups hope to form an official WMU alumni club in Japan.