**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 out of 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". I trek into the ethereal world of computers and computer aficionados called "cyberspace," and so are my computer-entranced friends, who think it's passe 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 diaging, she's now able to get the scoop on dad's side of the family. Then she reads 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 cyborg, 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 cyberfused." I don't know my bits from my bytes, my RAM from my ROM, and sometimes, my software from my hardware. Shouldn't I learn more before getting behind the wheel and driving in a foreign country?

It seems this is one of those cases when discretion isn't the better part of valor. I'm going to have to jump in and swim (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 institution rated in the top thirty for undergraduate programs among comparable institutions by the magazine has been 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 biomedical 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-Chapel Hill, the University of Tennessee-Chattanooga, and the University of California-Los Angeles. WMU's undergraduate program is ranked twenty-first among those of the states in the Midwest and now in the nation. WMU's undergraduate engineering program is ranked above those of the University of North Carolina-Chapel Hill, the University of Tennessee-Chattanooga, and the University of California-Los Angeles. WMU's undergraduate program is ranked twenty-first among those of the states in the Midwest and now in the nation.

The 2.8 percent increase was for all students and was up by the largest percentage of any of the state's public universities. Other schools ahead of WMU include GMI 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, the Naval Academy in Maryland (all fifth), and the U.S. Military Academy in New York (ninth).

Haworth College of Business inaugurates speaker series

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. John Zabriskie, chairman of the series and of 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-calibre 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.

"Our first two speakers are prominent representatives of Kalamazoo’s business community. Both are alumni of WMU 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 & U’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 A/B 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 been actively 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.

Broncos strike up the band for President Clinton

When President Bill Clinton got up to speak August 28 in Comstock Township, he started by expressing his appreciation for the Broncos Marching Band. "You should begin by thanking the Western Michigan University Band," he said. "They’ve been wonderful to us and we thank them very much." A few days before the visit, band director Stephen D. Grugin was contacted by a White House advance team about putting on music prior to the president’s speech at Meril Park.

"Originally, we were just asked to play before the event while people were gathering," Grugin said. "We discussed the possibility with them about playing "Hail to the Chief" and, once they came and heard us play, they wanted us to perform while the president himself would arrive as well as to play after the speech too."

WMU again enacts one of state’s lowest tuition hikes

Students attending Western Michigan University this fall are once again finding a welcome cost-cutting move. At just 2.8 percent, WMU had one of Michigan’s lowest tuition increases for the 1996-97 academic year, continuing a long effort by the University to hold down costs while maintaining quality.

Helping WMU keep the low increase were Gov. John Engler and state legislators. Engler 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 enabled 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.
Western Michigan University

Alumni's $5.9 million gift is largest on record

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 Dieter H. Haenicke announced the $5.92 million gift, made by May Stewart Haenicke of Battle Creek.

"We are delighted to receive such a generous gift," Haenicke said. "The challenges of poverty and homelessness will always be with us, and the funds raised will help us to continue our efforts to serve the people of our region and the state.

"This gift will help us to continue our work inscholarships, including the WMU wa her expre wish that the tower be 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' gift, the largest donation from an individual was $2 million made in 1992 by the late Beulah I. Kendall of Battle Creek.

Portions of the Frays donation have been designated for the School of Social Work, for a Neumann Scholarship in the name of Frays' parents, Thomas and Mary Stewart.

"Helen Frays was highly successful, wealthy, and had a lifelong commitment to the University," Haenicke said. "It would have been easy for her to forget her parents, who died many years earlier. It would have been easy for her to forget the University that granted her a bachelor of arts degree forty 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.

"As we become a mature research institution," Thompson says, "there will be larger and more long-term grants. Our researchers are 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 the University as an outstanding research institution, especially in the area of applied research."

"The University is making a significant investment in its 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 our researchers, Thompson and his staff have been organizing Washington, D.C., visits for deans, department chairpersons, and individual faculty researchers. During these visits, 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 grantors in coming years.

Many investors and donors have moved from large multi-year federal grants awarded to the University's researchers, Thompson says, to larger, more private gifts. Last fiscal year's record $12.3 million in gifts includes a substantial portion of the Frays gift announced earlier.

"This level of support really means people believe in the University and its leadership and want to invest in its future," says Keith A. Pritchett, vice president for external affairs and general counsel. "They see the past ten years, the public has given almost $80 million in gifts to the University. That's $80 million in scholarships, including the prestigious Medallion Scholarship as well as program 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 educational opportunities.

"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 last couple of years, people don't give to institutions, they give to people. We have a strong base of dedicated faculty, staff, alumni, friends and students that is extremely effective in articulating the University's needs to the community—and our donor community has generously responded.

Gifts to the arts, sciences, construction, the health care disciplines, student financial aid, and athletics all were part of this year's gift total, Pretty notes. The University's expanding array of opportunities gives people a chance to become involved in an institution they see as pro-active and on the move, he says, as well as a chance to tailor their involvement to their own interests.

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

After a decade of record grant funding and gifts soaring past previous levels, Western Michigan University's external funding support is at an all-time high and its future looks brighter than ever.

Grants during the 1995-96 fiscal year totaled $24.2 million, more than triple the previous $7.1 million record set last year by 14.4 percent. In fact, annual external grants for research have climbed by more than $20 million since 1985—with nearly $8 million in increased annual funding occurring in the past three years alone.

Meanwhile, last fiscal year's record $12.3 million in total gifts, including $11.1 million in cash and deferred cash gifts, nearly 20 percent more than the previous record set last year, while $2.1 million was received in non-cash gifts.

Better research future being built

Dr. Donald E. Thompson, vice president for research, says the 1995-96 grant report shows that a better future for research is being built at WMU.

"In the process," Thompson says, "we're building a better future for those who benefit from our applied research and the solutions to problems that our research is generating."

He credits the recent success to a host of new graduate programs that include a strong research component; a growing core of enthusiastic researchers, many of them new faculty; and a firm track record and growing reputation among funding agencies as an institution where applied research is done with great flair. He points to additional physical improvements such as the campus' new science building and the ongoing construction of the new Computing Center, which combined totaled $27 million in capital improvements.

The Frays gift is part of a number of recent successes in the fund-raising arena achieved by the University.

Earlier this month, the University announced it had finished the 1995-96 fiscal year with a record $12.3 million in gifts, the largest total in the University's history (for details see the grants and gifts story below).
Appointments, elections, and personnel changes

When Light was named provost at Kalamazoo State University, Haenicke hired Light as a professor and Haenicke was serving his second year as which wanted to know if different locations could be

reassembled with special software at their destinations and reassembled through telephone hook-ups, EFF's Internet

language, he replaces Dr. ancy S. Barrett, who accepted a

distinction. In addition to allowing networks to automatically

education degree in this field offered since 1978 (retaining its American Psychological Association accreditation), while a new master of science degree in medicine eventually will replace the baccalaureate physician assistant program established at WMU in 1972. The new Ph.D. brings the number of degree programs available at WMU to twenty-three, and the new M.S.

brings the total of master's programs to sixty-three.

Honor's, awards, and notable recognition

State Rep. Paul C. Hillisongs of Holland, speaker of the Michigan House of Representatives, was named an honorary doctor of public service degree from WMU at the December commencement. It is intended to recognize his "exceptional career in the state legislature and his devoted service to the people of Michigan." Now serving his ninth term in the House, Hillisongs was first elected in 1986. He was elected co-speaker in 1994 and speaker in the current session. He has announced his intentions to retire from the Legislature at the end of this term.

Stephen M. Keizer, B.S. '89, M.A. '91, has been named assistant director of the annual fund at Business. Keizer assists in managing and implementing the annual giving program, as well as administering the phonathon and spearheading charitable gift campaigns. He replaces Karen Stuamate, who resigned.

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, I'll soon be able to do such things as:

• Part of my nieces' favorite phrase - "a kazillion." As if that could survive a nuclear

• Retrieve any of thousands of documents, journals, and doctoral degree in counseling psychology has replaced the doctor of

• By whose call (or at least a willingness to learn bare-bones

• As its called), ARPANET, the infant networking system

• As its called), ARPANET, the infant networking system

Dubbed ARPANET, the infant networking system gradually grew, with ARPA supporting the development of rival or parallel computer networks with different types of computer networks. Some packet

• As its called), ARPANET, the infant networking system

networks, the system allows computers 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 and receive letters at the speed of a phone call," the Internet guide says. "(But) ARPAG'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."
WMU
BERNHARD CENTER
http://www.wmich.edu/bookstore/
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 • Combed cotton heavyweight crewneck with full-chest embroidery. Gear® Big Cotton™. 80% cotton/20% polyester. Natural. S,M,L,XL,XXL $39.95
12 • 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
13 • Bold traditional school seal graphic is sure to be a winner! JanSport® premium heavyweight crewneck sweatshirt. 80% cotton/20% polyester. Navy. S,M,L,XL,XXL $32.95
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

featured on the front cover
1 • 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
2 • Three-color Western Michigan design enhances this 100% cotton heavyweight T-shirt by JanSport®. Dark green. S,M,L,XL,XXL $14.95
3 • If it's a crewneck sweatshirt you're looking for—this is it! JanSport® premium heavyweight crewneck sports same great imprint as item #2. 40% cotton/60% polyester. Dark green. S,M,L,XL,XXL $32.95
4 • Show your school spirit and support the athletic department by wearing this heavyweight crewneck by JanSport®. 50% cotton/50% polyester. Oxford. M,L,XL,XXL $24.95

pictured at left
5 • Nylon "Bronco" flag by University Blanket and Flag®. White with bronco imprint. $39.95
6 • JanSport® ultralight 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. S,M,L,XL,XXL $25.95
7 • West Michigan Wolverines™ Ultra lightweight T-shirt is designed with fashion and comfort in mind. Garment washed for a relaxed fit, you can enjoy its comfort and great looks. 100% cotton. By JanSport®. Natural. M,L,XL,XXL $25.95
18. WMU Football appliqué will stand out in the crowd and so will you! JanSport® heavyweight crewneck of 50% cotton/50% polyester. Oxford. M,L,XL,XXL $36.95
19. Another great football design is featured on JanSport® premium heavyweight crewneck sweatshirt. 80% cotton/20% polyester. Oxford. S,M,L,XL,XXL $29.95
20. Gear® cotton pique heavyweight polo is enhanced with alumni embroidery on the left chest. 100% cotton. Butter. S,M,L,XL,XXL $40.00
20A. Also available but not shown, Gear® polo with embroidered “W” logo. 100% cotton. Butter. S,M,L,XL,XXL $40.00
21. Big Cotton™ heavyweight crewneck by Gear® features alumni embroidery on the left chest. 80% cotton/20% polyester. Natural. S,M,L,XL,XXL $39.95
21A. Also available but not shown, “W” embroidered logo on Gear® Big Cotton™ heavyweight crewneck. 80% cotton/20% polyester. Natural. S,M,L,XL,XXL $39.95
22. Classic “bar” embroidery is featured on the left chest of this 100% cotton T-shirt by JanSport®. White. S,M,L,XL,XXL $16.95
23. Two-color Western Michigan imprint enhances this heavyweight crewneck by JanSport®. 50% cotton/50% polyester. Ash. S,M,L,XL,XXL $24.95

25. “W” nylon flag by University Blanket and Flag®. Gold or brown. $35.95
26. 12” x 30” wool WMU pennant by Collegiate Pacific®. $8.95
27. Plush bear with his own Western Michigan T-shirt. By It’s All Greek to Me®. Brown, tan or white. $24.00
28. Alumni-top off your outfit with this pro style twill hat by University Square®. Adjustable. White. $13.95
29. Pro style wool blend WMU baseball hat by University Square®. Adjustable. White. $13.95
32. Spirit Products® insulated travel mug. Great way to carry your favorite beverage. White. $4.99
33. Great for home or office! Ceramic alumni coffee mug by Glass Mountain®. White with gold imprint. $4.95
To place an order...
Call 1-800-922-6794 or (616)387-3930
FAX (616)387-3941
Hours: Mon.-Fri. 8:00am-5:00 pm
Sat. 10:00 am-5:00pm
Method of payment...
☐ Check or money order enclosed
☐ Make checks payable to: Western Michigan University Bookstore
☐ MasterCard ☐ VISA ☐ Discover
Account #: ________________________
Signature: ________________________
Expiration: ________________________
Ship To:
NAME ____________________________
ADDRESS ____________________________
CITY ______ STATE ______ ZIP ______
PHONE ( ) ________________________

Or Mail Order Form to...
Western Michigan University Bookstore
Bernhard Center, WMU
Kalamazoo, MI 49008
Please call for immediate availability of items.

Item # Description Size Color Qty. Price Total

Subtotal
Sales Tax
Shipping and Handling
TOTAL

Order Amount Fee
Up to $30.00... $3.75
$30.01-or more ... $4.25
Express Mail available on request.
The Internet is making the grade for growing numbers of faculty, students

The global information system known as the Internet has become an indispensable tool for Western Michigan University's faculty and students. Many faculty have created Web pages to enhance their teaching methods, and administrators 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 their responses to forum discussions. Later in the semester, Kayany developed a class Web site. By writing essays about international information systems, the office of the WMU alumni association has incorporated the Web site and created their online 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 when they enroll in the class."

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. I simply cannot imagine having a student who hasn't had 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. Recent graduates of the Faculty Resource Center in University Computing Services (UCS), is WMU's "webmaster." The title is given to people who manage Web pages and are believed to have derived from the title postmaster. Rashidi notes that faculty members in departments ranging from electrical and computer engineering to political science to art are creating home pages to enhance their teaching.

"An innovative application 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 developed multiple choice quizzes for the class site that allow students to receive immediate feedback about the correct answers. He also includes in the quizzes class notes from his lectures as pictures on the Web to help students.

Dr. Seamus Conney, 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 language and a chance to comment on a quote from Shakespeare. Conney says he has received comments from students and Web surfers around the world.

Julie Papp, a biology major from Dearborn Heights, Michigan, says she was required to use the Web 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 teachers will probably be using it more often."

Every fall and winter semester since January 1995, University Continuing Education and Distance Learning Services have offered Enhancing Teaching with Technology, a series of faculty-oriented seminars that demonstrate innovative uses 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 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.

George Kohrmann, assistant director of networks for UCS, says that WMU accounts are available to all students, faculty, and staff. Students can gain access to the Internet. The only charges are for laser printing supplies and individual connections to residence hall rooms, campus apartments, or individual offices.

Given the Internet's accessibility, many offices have begun to offer services on-line. The Office of Off-Campus Life provides information on the Internet for students seeking housing off campus. The University's 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 e-mail accounts with assistance from Thom Myers.

"The Web site is a particular boon to international students. WMU's "webmaster." Webmaster has come to be more than an information resource for students. It is being incorporated in businesses and classrooms worldwide. Learning to use the Internet and all its resources will prepare students for the future," she says.

—by Wolly E. Bene, "97

WMU continuing to enhance its "virtual" 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. Prefer a personal tour of campus? No problem, the Office of Admissions and Orientation's Web site explains the different kinds of tours available and provides a handy reservation form so you can sign up for one.

The office also has put an admission's application form for the Graduate College on-line, and is working on adding a similar form for undergraduates as well as full versions of the undergraduate and graduate catalogs. Its efforts to provide comprehensive, easy-to-navigate information earned the office the 1996 National Association of Graduate Admissions Professionals' Promotional Excellence on the World Wide Web Award.

Exciting things are also happening with University Libraries, which contain complete information about library hours, branches, services, and collections. They also contain helpful services, such as a catalog search, which puts 4,000 books and more than 200,000 items at patrons' fingertips via the convenient Web interface, and more services are slated to go on-line soon.

For those who want to keep up on news and current events, the Western Herald, WMU's student newspaper, has its own home page and The Western News, the faculty/staff newspaper produced by the Office of News Services, currently has its calendar of University activities on-line. Plans are for the entire Western News to appear on the Web in the future, along with University-issued news releases.

The reach of the Internet and Web, of course, extends far beyond campus boundaries. Users can link up with resources at a host of other sites around the world, which is a particular boon to international students. WMU researchers and students also are making use of this capability (see the preceding story on this page for ways faculty and students are using the Internet); and many staff members use the Internet to work more productively as well as to globally promote the University's activities and academic programs.

"Comparisons of the Internet to the Industrial Revolution notwithstanding, it would seem likely that few technologies in history will have a more far-reaching effect on the way we live," Haenicke says. Very soon, almost every aspect of our lives will be touched by this global communication system.

"One can readily imagine major gains in medical research, worldwide environmental efforts, and even a reshaping of the way we govern," he adds. "Few things, however, are likely to change as dramatically as our educational institutions, and especially our universities."

While Haenicke doesn't envision those institutions being replaced by a "university in a computer," he does acknowledge the myriad possibilities of the "virtual" classroom. He also notes that the Internet is contributing greatly to the ability of WMU and other universities to engage in dialogue with alumni anywhere in the world.

"Many of the e-mail messages we receive are from alumni in faraway places, in Southeast Asia, the Middle East, and elsewhere, excited about the prospects of developing 'real time' relationships with our international alumni. This simply wouldn't have been possible before e-mail, the Internet, and the World Wide Web," Haenicke says.

"Just as important, the advantages of those technologies exist for an alumni in San Diego or a prospective student in the smallest town in rural Montana. Geography has no meaning on the Internet. In a real sense, we can now take Western Michigan University into the homes of alumni, prospective students, colleagues, and friends everywhere in the world."
MAILBAG

Westerner helps reader keep up to date
I am always so tired in the Westerner how Western Michigan University, or as I now, Western State Teachers College. I never got a good night's sleep, so now I don't have a long time, so all the other additions interest me.
Katherine (Gruse) Dickerson, B.A., '71

Story about universities was 'enjoyable'
The May 1996 issue of the Westerner had an article beginning on page 41, 'In the history of the Western Michigan University, and the 21st century, a form of education.' I got great enjoyment out of this piece and wanted to compliment the Westerner on this article.
The review of the history and mission of the university...Universities is presented in a very concise yet focused manner appropriate to today's scholars.
When I need to make a speech before any academic audience, I often look for a few facts to emphasize my point. None of the lexica that I usually consult when I need a quick definition of some aspect of the role of the university has as clear and concise a formulation as your article. I am saving the piece for use.
Enclosed is my check—in support of the WMU Alumni Association.
Nicholas J. Berchtold, P.E.

GREGORY-0 Gay, BBA '74, is associated with the law firm of Co., Kalamazoo, MI.

Larry D. Nuss, 76, was chosen as the first President of the International Society of Commerce as one of the first re-elections. American University Alumni of the distinguished faculty award. Larry is vice president and a security officer for Dhahran F&I, Inc., Middletown, OH.

Rebecca Kuykendall, B.A., 76, recently named as the clients of the Law Firm of and the securities. With a law degree from the University of Denver, she is a partner in the law firm of and a client of the University of Denver.

Douglas J. Ivey, 76, was chosen as the new President of the Warner Business School, the University of Denver.

Greg C. Wasserman, B.A., '77, recently named as the President of the Warner Business School, the University of Denver.

1978-1979

Douglas G. Charles, B.A., 78, recently recruited to the Faculty of the Western Business College and the University of Denver.

Greg C. Wasserman, B.A., 77, recently named as the President of the Warner Business School, the University of Denver.
Mary Steckelberger, BS, ’78, is a therapist for the CentroCon Costa Rica 505 clinic in San Isidro, Costa Rica.
Mary A. Maloney Madden, BA, ’78, MA, ’97, received the Grandville Public Schools Distinguished Service Award for 50 years of service.
John L. Weldon, BS, ’79, MBA, ’84, has been in business development at the latest in
molecule technology.
J. Towner mith, ’71, financial aid advisor emerita. July recently awarded
der the position of director of financial aid at Dartmouth College.
Beatrice Koonter, ’50, has been appointed director of financial aid and media relations at Kalamazoo College.
Greg S. Turner, ’83, is an
assistant professor at Central Missouri State University, Warrensburg.

1984-1985

Bety R. Triskit Clark, BM, ’94, served as co-chair of the club
promotions for the program for adult
mentally ill—a three-week special
and training in South Carolina.

1979-1980

Mark Hagar, MBA, ’94, was hired as manager for Full-High Wall Products, Trenholm Corp., High-

Deaths

1915-1929

Robert T. Johnson, ’25, BA ’32, was promoted to
director of sales, Deloitte & Touche, Inc., Louisville, KY.
Barry Zurell, ’81, was hired as a research and development
chemist for General Motors, Denver, CO.
Mary Clarage Vanderbeek, professor
of psychology at Grand Valley State University, is a
teacher for the Department of Psychology at Grand Valley State University.

1996

Several alumni and friends were honored at the Westerner, October 1996.

1970-1974

Evie J. Bender, ’71, was promoted to
assistant professor at Central Missouri State University, Warrensburg.

1997-1998

Gary A. Malbone, ’79, was hired as
general manager of Bryant Manufacturing, Inc., Cameron, TX.

Carries Sales, ’83, is an assistant professor of mathematics at MMU, Agawam, MA.
Katharine D. Rogers, assistant pro-

1980-1981

Rev. Kevin D. Drake, BS, ’80, was re-
cently named assistant a.s. preceptor of
Franklin Laboratorios Internacional, Per-

1995-1996

Michael R. Stodolak, BBA ’84, was
appointed as the director of sales for
North Motor Consultants, Inc., Detroit.

1995-1996

Rev. Robert H. Benedict, BBA ’56, was
appointed as the director of sales for
North Motor Consultants, Inc., Detroit.

1993-1994

John H. Greenough, ’50, has been
appointed director of public and media
relations at Kalamazoo College.

1970-1974

Ken Kennedy, ’58, was recently hired
as a research and development
chemist for General Motors, Troy, MI.

1970-1974

Rev. Robert H. Benedict, BBA ’56, was
appointed as the director of sales for
North Motor Consultants, Inc., Detroit.

1995-1996

Joyce BergLenenga, ’96, was named
as the Ferris State University’s
director of information systems at
Ferris State University.

1970-1974

Michael R. Stodolak, BBA ’84, was
appointed as the director of sales for
North Motor Consultants, Inc., Detroit.

1995-1996

Gary A. Malbone, ’79, was hired as
general manager of Bryant Manufacturing, Inc., Cameron, TX.

Continued on page 12
Alumni, friends in Japan launch drive to raise funds for WMU

Jovial twin sisters from Michigan are becoming celebrities in Japan. We western Michigan students who have become friends in Japan aren't about to budge when it comes to revealing their ages. Don't ask them when they were born or when they graduated from high school. Twins Vivian and Marrian Brown aren't about to budge 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 with wavy brown hair. The fund will go toward travel to Japan and study material for us on the Japanese language.

WMU-Amerika is a group of students, faculty, and others who have spent some time in Kalamazoo during their lives. This group numbers about 400.

About 500 Japanese Western Michigan University alumni and friends from Japan have joined in this fund-raising campaign for the University in Japan. 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.

Twin sisters, directors of operations in the Office of International Affairs, the move is highly unusual for residents of a nation with no history of promoting higher education for foreigners.

All of the money raised will support American students. The funds will go toward travel to Japan and study material for the students who spend time in Japan. The budget for the WMU alumni club in Japan.

The following successful completion of the initial endowment fund drive, the two group members have agreed to form an official WMU alumni club in Japan.

And if they have something to say, they say it—inside and outside the classroom, in a law firm or with their hands on a keyboard. Of course, they know that at age twenty-one, "Girls get married." Vivian says.

"Or changing babies' diapers," Marrian adds. "I love being a stay-at-home mother and doing that everyday." Instead, the twins taught high school and later worked as secretaries for whom now Pharmacia & Upjohn, Inc. of Kalamazoo. By the early 1970s, Vivian's chronic health condition was worsening, prompting a move to San Francisco, their permanent home since 1973. Because retiring to Kalamazoo was a priority, the Allstate insurance and the administrative assistant to the head of the Audubon, California, organization, which also includes students who have spent some time in Kalamazoo during their lives.

Vivian says, "If we don't do what we want to do, it will go to waste."

"It wasn't because we were geniuses," says Marrian, who, like her sister, couldn't want to shake the snow of Michigan and its depictions of Japanese culture. "Instead, they still roll their eyes at their late father's suggestion that "Girls get married."

When they look like they're going places.

But appearance, especially where clothes are concerned, has to be just right. "We write kids today all dress alike. It's awful. All those pants," Vivian says. "When we were little, we wore only dresses. Our parents were strict. If they have something to say, they say it—inside and outside the classroom, in a law firm or with their hands on a keyboard. Of course, they know that at age twenty-one, "Girls get married." Vivian says.

"Or changing babies' diapers," Marrian adds. "I love being a stay-at-home mother and doing that everyday." Instead, the twins taught high school and later worked as secretaries for whom now Pharmacia & Upjohn, Inc. of Kalamazoo. By the early 1970s, Vivian's chronic health condition was worsening, prompting a move to San Francisco, their permanent home since 1973. Because retiring to Kalamazoo was a priority, the Allstate insurance and the administrative assistant to the head of the Audubon, California, organization, which also includes students who have spent some time in Kalamazoo during their lives.

Vivian says, "If we don't do what we want to do, it will go to waste."

"It wasn't because we were geniuses," says Marrian, who, like her sister, couldn't want to shake the snow of Michigan and its depictions of Japanese culture. "Instead, they still roll their eyes at their late father's suggestion that "Girls get married."

When they look like they're going places. But appearance, especially where clothes are concerned, has to be just right. "We write kids today all dress alike. It's awful. All those pants," Vivian says. "When we were little, we wore only dresses. Our parents were strict. If they have something to say, they say it—inside and outside the classroom, in a law firm or with their hands on a keyboard. Of course, they know that at age twenty-one, "Girls get married." Vivian says.

"Or changing babies' diapers," Marrian adds. "I love being a stay-at-home mother and doing that everyday." Instead, the twins taught high school and later worked as secretaries for whom now Pharmacia & Upjohn, Inc. of Kalamazoo. By the early 1970s, Vivian's chronic health condition was worsening, prompting a move to San Francisco, their permanent home since 1973. Because retiring to Kalamazoo was a priority, the Allstate insurance and the administrative assistant to the head of the Audubon, California, organization, which also includes students who have spent some time in Kalamazoo during their lives.

Vivian says, "If we don't do what we want to do, it will go to waste."

"It wasn't because we were geniuses," says Marrian, who, like her sister, couldn't want to shake the snow of Michigan and its depictions of Japanese culture. "Instead, they still roll their eyes at their late father's suggestion that "Girls get married."

When they look like they're going places. But appearance, especially where clothes are concerned, has to be just right. "We write kids today all dress alike. It's awful. All those pants," Vivian says. "When we were little, we wore only dresses. Our parents were strict. If they have something to say, they say it—inside and outside the classroom, in a law firm or with their hands on a keyboard. Of course, they know that at age twenty-one, "Girls get married." Vivian says.

"Or changing babies' diapers," Marrian adds. "I love being a stay-at-home mother and doing that everyday." Instead, the twins taught high school and later worked as secretaries for whom now Pharmacia & Upjohn, Inc. of Kalamazoo. By the early 1970s, Vivian's chronic health condition was worsening, prompting a move to San Francisco, their permanent home since 1973. Because retiring to Kalamazoo was a priority, the Allstate insurance and the administrative assistant to the head of the Audubon, California, organization, which also includes students who have spent some time in Kalamazoo during their lives.

Vivian says, "If we don't do what we want to do, it will go to waste."

"It wasn't because we were geniuses," says Marrian, who, like her sister, couldn't want to shake the snow of Michigan and its depictions of Japanese culture. "Instead, they still roll their eyes at their late father's suggestion that "Girls get married."

When they look like they're going places.

But appearance, especially where clothes are concerned, has to be just right. "We write kids today all dress alike. It's awful. All those pants," Vivian says. "When we were little, we wore only dresses. Our parents were strict. If they have something to say, they say it—inside and outside the classroom, in a law firm or with their hands on a keyboard. Of course, they know that at age twenty-one, "Girls get married." Vivian says.

"Or changing babies' diapers," Marrian adds. "I love being a stay-at-home mother and doing that everyday." Instead, the twins taught high school and later worked as secretaries for whom now Pharmacia & Upjohn, Inc. of Kalamazoo. By the early 1970s, Vivian's chronic health condition was worsening, prompting a move to San Francisco, their permanent home since 1973. Because retiring to Kalamazoo was a priority, the Allstate insurance and the administrative assistant to the head of the Audubon, California, organization, which also includes students who have spent some time in Kalamazoo during their lives.

Vivian says, "If we don't do what we want to do, it will go to waste."

"It wasn't because we were geniuses," says Marrian, who, like her sister, couldn't want to shake the snow of Michigan and its depictions of Japanese culture. "Instead, they still roll their eyes at their late father's suggestion that "Girls get married."

When they look like they're going places.

But appearance, especially where clothes are concerned, has to be just right. "We write kids today all dress alike. It's awful. All those pants," Vivian says. "When we were little, we wore only dresses. Our parents were strict. If they have something to say, they say it—inside and outside the classroom, in a law firm or with their hands on a keyboard. Of course, they know that at age twenty-one, "Girls get married." Vivian says.

"Or changing babies' diapers," Marrian adds. "I love being a stay-at-home mother and doing that everyday." Instead, the twins taught high school and later worked as secretaries for whom now Pharmacia & Upjohn, Inc. of Kalamazoo. By the early 1970s, Vivian's chronic health condition was worsening, prompting a move to San Francisco, their permanent home since 1973. Because retiring to Kalamazoo was a priority, the Allstate insurance and the administrative assistant to the head of the Audubon, California, organization, which also includes students who have spent some time in Kalamazoo during their lives.

Vivian says, "If we don't do what we want to do, it will go to waste."

"It wasn't because we were geniuses," says Marrian, who, like her sister, couldn't want to shake the snow of Michigan and its depictions of Japanese culture. "Instead, they still roll their eyes at their late father's suggestion that "Girls get married."

When they look like they're going places.

But appearance, especially where clothes are concerned, has to be just right. "We write kids today all dress alike. It's awful. All those pants," Vivian says. "When we were little, we wore only dresses. Our parents were strict. If they have something to say, they say it—inside and outside the classroom, in a law firm or with their hands on a keyboard. Of course, they know that at age twenty-one, "Girls get married." Vivian says.

"Or changing babies' diapers," Marrian adds. "I love being a stay-at-home mother and doing that everyday." Instead, the twins taught high school and later worked as secretaries for whom now Pharmacia & Upjohn, Inc. of Kalamazoo. By the early 1970s, Vivian's chronic health condition was worsening, prompting a move to San Francisco, their permanent home since 1973. Because retiring to Kalamazoo was a priority, the Allstate insurance and the administrative assistant to the head of the Audubon, California, organization, which also includes students who have spent some time in Kalamazoo during their lives.

Vivian says, "If we don't do what we want to do, it will go to waste."

"It wasn't because we were geniuses," says Marrian, who, like her sister, couldn't want to shake the snow of Michigan and its depictions of Japanese culture. "Instead, they still roll their eyes at their late father's suggestion that "Girls get married."

When they look like they're going places.