

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

Volume 22, Number 27

April 4, 1996



SILVER ANNIVERSARY — The Administrative Professional Association celebrated its 25th anniversary with a luncheon March 28 in the Fetzer Center. Admiring a poster featuring historical photographs of the organization were, from left: Charles G. (Bud) Donnelly, associate dean of students, who was the APA's first president; and APA Service Award recipients Michele C. McLaughlin-Dondero, English, chairperson of the membership committee, and Tony E. Griffin, WMUK, current APA president. Also winning awards were: Robert W. Sprick, WMU apartments, who received the Outstanding Professional Award; and George Fierro, admissions and orientation, who received the Outstanding New Professional Award. Griffin also announced that the organization has reached the funding threshold so that the first APA Scholarship will go to a child of a member of the organization this fall.

Dedication ceremony for Gill Stadium Club April 6

Dedication ceremonies for the John Gill Stadium Club have been scheduled for Saturday, April 6, during halftime of WMU's spring football game in Waldo Stadium. The game starts at 1 p.m.

The Board of Trustees March 15 approved a resolution naming the open seating area at the top of the Stadium Clubhouse in Gill's honor. Gill, 97, is a former student athlete, football coach and athletics administrator known affectionately as "Mr. Bronco" whose association with WMU spans most of this century.

The board's action recognized the successful fund-raising efforts of WMU alumni and friends, which brought in \$100,000 for improvements to reduce the effects of bad weather. Improvements will include enclosing the area behind the open seating in glass and heating it.

Leaders of the fund-raising effort, which established the "Salute to John Gill" fund, include Rolla Anderson, Dick Bryck, Budd Norris, Ed Rossi and Suds Sumney. Anderson, Bryck and Rossi played on Gill's football teams.

Gill was a student athlete at WMU in 1919-23, earning 13 letters in baseball, basketball, football and track — the second most letters in Bronco history. He was a football coach and administrator from 1928 to 1969, when he retired as associate athletics director. He gave the Broncos their nickname in 1939.

During his head coaching years, from 1942 to 1952, Gill never had a losing season. He was inducted into the WMU Athletic Hall of Fame as a charter member in 1973 and the Mid-American Conference Hall of Fame in 1994.

"We hope that many of John's friends can join us April 6 as we celebrate and recognize his many years of dedicated and loyal service to WMU," said Keith A. Pretty, vice president for external affairs and general counsel and president of the WMU Foundation.

Pretty said a larger dedication ceremony is being planned for the first fall home football game, which is scheduled for Aug. 29.

EPA inks agreement with WMU for safer packaging

WMU researchers are developing an environmentally safe process for printing the potato chip bag of the future under a new project funded by the U.S. Environmental Protection Agency.

The project, supported by a \$174,936 award from the EPA to WMU's Department of Paper and Printing Science and Engineering, will utilize printing industry cooperation, WMU research capability and the desire for a cleaner environment to help the industry switch to environmentally friendly inks. A variety of consumer products could be affected by the project. They include snack food and candy wrappers and frozen food bags as well as a host of other packaging products.

While current printing technology produces such packaging products that are consumer friendly and approved by the U.S. Food and Drug Administration, the process used to print the products is hazardous to the environment and requires heavy industry investment in anti-pollution technology.

"More than 90 percent of these products are currently printed using solvent-based inks made of volatile organic compounds, which pose a risk to the environment as well as possible risk to workers," says John D. Serafano, who directs WMU's Printing Pilot Plant and also will direct the year-long EPA Project. "We'll be doing research that could eliminate or reduce the use of those inks, saving industry money in cleanup costs and protecting the environment. Everybody wins."

Serafano says that the project will focus on providing data for industry that will assess the environmental risk and production costs of water-based or ultraviolet-cured inks when compared with the solvent-based inks that are now the industry standard for flexography. Flexography is a process that involves printing from a raised image on plates made from a soft plastic material and using highly fluid and quick-drying inks. The process is used to print thousands of consumer packaging products.

"The technology already exists for re-

Senate action a sign of progress in efforts to gain recognition in state budget process

The University continues to make progress in efforts to secure recognition of its unique status in the state appropriations process, said Keith A. Pretty, vice president for external affairs and general counsel.

The state Senate last week approved an increase of \$606,000 in base funding for WMU as well as \$110,000 in tuition waivers for Native American students for the 1996-97 fiscal year.

"We appreciate the Senate recognizing the merits of our case, and this is certainly a step in the right direction," Pretty said. "The legislation now goes to the House, where we hope for an even stronger response to our case."

President Haenicke has been seeking to convince lawmakers that WMU deserves a larger increase in state appropriations than the 4 percent recommended in the executive budget. That would give WMU a state appropriation of \$101.6 million.

In a presentation Feb. 23 at a Senate budget hearing in Kalamazoo, the president made the case that WMU is among the state's top four public universities in a variety of measures but ranks only seventh in state appropriations per student.

WMU is the state's only public Doc-

toral I university, as classified by the Carnegie Foundation for the Advancement of Teaching. It ranks fourth in enrollment, graduate enrollment, graduate degrees granted, external research funding, international graduate enrollment and private fund raising.

A WMU delegation is scheduled to appear at a hearing before the House Appropriations Subcommittee on Higher Education May 8. Final legislative action is expected in mid to late June.

Award nominations sought

The Selection Committee of the Staff Service Excellence Awards Program is seeking nominations for the quarterly Staff Service Excellence Awards that will be presented for outstanding service during the months of January, February and March.

The awards are presented to staff whose service exceeds the requirements of just a "good job." Those selected will be presented with a commemorative certificate and a \$50 gift certificate to a designated University facility.

Nominations may be submitted to Anne E. Thompson, human resources, until Tuesday, April 16.

placing solvent-based inks," Serafano says. "We'll actually be developing the technical information and outreach products about that technology so that flexographic printers can make more environmentally informed decisions about the ink technologies they use in their facilities. We'll obtain that information through laboratory runs in our Printing Pilot Plant and in case study runs at about 15 actual printing companies around the country."

The data collected in the testing will be compiled into what Serafano calls a "bible" for companies interested in using the new technology — a volume called a Cleaner Technologies Substitute Assessment. The inks will be compared for risk levels in the areas of air pollution, water waste, solid waste and impact on worker health. The volume also will include comparisons of supply and labor costs and savings in pollution cleanup costs. The cleanup costs saved may be substantial, Serafano notes, since a solvent recovery system for a single printing plant typically starts at about \$500,000.

The grant was made through the EPA's Design for the Environment Program, which fosters information exchange and research on risk reduction and pollution prevention opportunities by securing the voluntary cooperation of industry, public interest groups, government agencies and academic institutions. The grant to WMU involves the work of major printing industry professional organizations, individual printers and suppliers, and two academic institutions.

Serafano will be assisted in gathering data by Gerald Wouch, paper and printing science and engineering, a team of undergraduate students and one graduate student. Once the data has been gathered, WMU researchers will work with researchers at the University of Tennessee to develop the assessment publication. Press time and materials will be donated by the printing industry, and a number of industry and professional association representatives have formed a steering committee to guide the work.

"There is an industry-wide concern relating to environmental consciousness," Serafano says. "This is a way to address that concern by investing in research and technology rather than implementing new government regulations. Use of the information we gather will be purely voluntary."

Serafano says the testing is a very complicated project and one that could be successfully carried out in only a few locations around the country. Industry representatives involved in the project indicated they wanted a neutral organization with printing expertise to carry out the work and EPA officials asked WMU's Department of Paper and Printing Science and Engineering to do the job.

The project is now in the design phase and pilot studies at WMU will be the next step in the research process.

Did you know?

■ WMU's Printing Pilot Plant in the Printing Management and Research Center in Welborn Hall each year uses about 20 tons or some 1,000 miles of rolled paper in its printing research projects. All of the paper used is recycled.

■ The Printing Pilot Plant, which is equipped with state-of-the-art printing equipment in four major printing technologies, has printed products using about 5,000 different ink formulas in more than 1,000 colors. Printing research has involved products ranging from newspaper advertising inserts and candy wrappers to linoleum and catalogs.

■ With its Paper and Printing Pilot Plants, WMU is the only university in the world that can take wood chips, convert them to pulp, make paper and print on the paper, all on one campus.



SENIOR SCHOLAR — Among the 43 top seniors honored during the 16th annual Presidential Scholars Convocation March 28 was one student who was recognized by two departments. Jocelyn R. Poorman of Boiling Springs, Pa., center, was named a Presidential Scholar in Anthropology and in English. She is pictured with, from left: Mary Anne Bunda, president of the Faculty Senate; her faculty guest Edward (Mike) Jayne, English; her faculty guest Robert I. Sundick, chairperson of anthropology; and President Haenicke. Poorman plans to attend graduate school and specialize in biological anthropology.

Grant total approaching last year's record amount

More than \$2.7 million in grants was awarded to the University during January and February, pushing the year's grant total to more than \$19 million, the Board of Trustees learned at its March 15 meeting.

January awards of \$1,478,199 and February awards of \$1,274,516 brought the total of grants received for the fiscal year-to-date to \$19,005,757. With four months still to go in the 1995-96 fiscal year, the grant total is just \$2.1 million away from the record \$21.1 million mark reached at the close of the 1994-95 fiscal year.

The largest award received during the two-month period was a \$666,666 grant from the city of Battle Creek to support construction of new facilities at Battle Creek's W.K. Kellogg Airport to house WMU's School of Aviation Sciences. The award is part of a total of \$5.6 million in tax-increment financing funds previously pledged by the city to support the work. Renovation of the airport terminal began in late March. Renovation of the former Federal Aviation Administration hangar and construction of a new classroom building will begin in the next few months. The school expects to move to its new facilities in 1997.

The report also highlighted a series of major federal grants to the University totaling more than \$1 million. The largest of those was a new \$602,250 award from the National Aeronautics and Space Administration to Daniel J. Dorney, mechanical and aeronautical engineering. The grant will provide Dorney with computing time on NASA's Cray C90 supercomputers and on an IBM computing system made up of several hundred computers. The research project is a cooperative venture involving WMU, NASA's Ames Research Center in Mountain View, Calif., and Pratt & Whitney, a leading manufacturer of both commercial and military jet aircraft engines. Dorney will study the flow through a Pratt & Whitney compressor by simulating that flow on up to 150 computers simultaneously.

A \$91,350 award from the U.S. De-

partment of Health and Human Services' National Institutes of Health will fund the first of five years of study aimed at understanding the biological mechanisms that trigger the explosive growth of cancers. Bruce E. Bejcek, biological sciences, will be the principal investigator for the project (see related story on this page).

A \$381,285 grant from the National Science Foundation to the Department of Mathematics and Statistics will fund a mathematics education initiative to provide 30 Michigan teachers with intensive training in mathematics and teaching methods. The teachers who complete the program will earn master's degrees in mathematics education. They will be ready to assume mentoring positions with their peers and play future leadership roles in the state's mathematics education efforts. Directed by Christian R. Hirsch, Yousef Alavi and Laura R. VanZoest, all mathematics and statistics, the project features annual summer institutes and academic year capstone courses.

Mathematics education also was the focus of a major state grant reported to the trustees. The Michigan Department of Education awarded \$156,405 to the Department of Mathematics and Statistics to support and strengthen the University's current preservice program for training future high school mathematics teachers. The program is directed by Christine Browning, Dwayne E. Channel, both mathematics and statistics, and VanZoest.

State funding also was awarded to con-

Biological sciences researcher examines cancer growth genes under NIH grant

Understanding how normal growth genes change to trigger the explosive growth of cancers is the goal of a new \$506,458 federal grant to a WMU researcher.

Bruce E. Bejcek, biological sciences, has been named the recipient of a five-year First Independent Research Support and Transition award from the National Institutes of Health. The FIRST program provides grants to initiate research by investigators who have not previously received NIH support. Funding for the first year of Bejcek's work, totaling \$91,350, was received in February.

Bejcek's research will focus on oncogenes — genes that, for reasons not yet understood, are inappropriately activated, leading to uncontrolled cell growth. The genes, Bejcek says, occur normally in humans and have a normal function. When inappropriately activated, however, they lead to cancers of the uterus, brain and kidneys as well as other common cancers.

"Understanding the mechanisms by which tumors are established has been a major goal of the biological sciences for many years," Bejcek notes. In the mid-

1970s, researchers discovered that oncogenes were derived from normal cellular counterparts and that cancer in humans evolved from normal cells whose gene expression was altered or mutated. That led to the discovery of many genes that are involved in tumor formation.

Bejcek will examine a class of those genes that causes uncontrolled growth in normal cells. The oncogenes he will study produce a growth factor that activates or "switches on" a number of proteins in the cell, causing the abnormal growth of tumors in the affected tissue.

Working with tissue cultures grown in Petri dishes, he will compare the effects of the oncogenes' growth factor with the effects of a normal, non-cancerous growth factor that the body produces for such tasks as healing injuries. The normal growth factor also activates specific cell proteins, he says, but it results in much more controlled cell growth. Both growth factors will be introduced to the same types of tissue culture cells and he will attempt to pinpoint the cell proteins activated by each.

"No one is sure which proteins the oncogene switches on that are not activated by the normal growth factor," he says. "I'll be trying to identify those proteins."

The work is basic research aimed at understanding how oncogenes cause cancer. Bejcek says the information he hopes to gather on the genes could have the potential for wide application. It may someday lead to the creation of cancer-fighting drugs that are more tumor specific than current drugs, which often attack healthy cells as well as tumor cells.

Year-to-date gifts up over 1994-95 total for period

More than \$1.5 million in current and deferred cash gifts was received by the University during January and February, according to a report to the Board of Trustees at its March 15 meeting.

January gifts totaling \$1,425,224 and February gifts of \$165,226 brought the year-to-date total of gifts received to \$5,688,578. That amount is higher than the previous year's total for the same period by \$260,202, or 4.8 percent.

Major gifts noted in the two-month report included a \$20,000 donation from Carmel Provencal of Fort Lauderdale, Fla. It was added to a \$20,000 charitable gift annuity she established in 1995. Provencal, a 1948 alumna of the University, established the annuity to create the Carmel Elliot Provencal Endowment Fund for Music Therapy. That endowment has been designated for unrestricted use by WMU's Music Therapy Clinic, which offers outpatient treatment to Kalamazoo area clients as well as training for students planning careers as music therapists.

Also noted on the report was a \$30,000 gift from an anonymous Kalamazoo area friend of the University. The gift, which was made through the Kalamazoo Foundation, has been designated for use by WMU's Office of International Affairs.

An anonymous gift from a Japanese donor also was reported. The \$10,000 gift will be added to the previously established WMU Friends in Japan Endowment. Plans for use of that endowment have not yet been finalized.

Soccer coach selected

Katherine Bing O'Shaughnessy has been named WMU's first varsity women's soccer coach.

For the past two seasons, she has been an assistant coach and recruiting coordinator at Butler University and girls' program director and under 19 premier coach for the Saints FC Soccer Club of Indianapolis. Butler won the 1995 Midwestern Collegiate Conference title with a perfect 6-0 record.

O'Shaughnessy also has coached high school soccer. She is a 1990 graduate of Connecticut College, where she was the soccer team captain, an All-New England selection and the school's career scoring leader. She earned her master's degree from Indiana University.

Wiener co-edits orientation and mobility book

William R. Wiener, chairperson of blind rehabilitation, is co-editor of the second edition of "Foundations of Orientation and Mobility."

The volume is published by AFB Press of the American Foundation for the Blind. The updated edition contains more information on low vision, aging, multiple disabilities, adaptive technology, accessibility and program design. It includes new research as well as new information from an international perspective.

Contributions from more than 30 eminent experts make the text one of the most important resource and reference tools in the orientation and mobility field.

In addition to editing the text, Wiener co-wrote two chapters: "Audition of the Traveler Who Is Visually Impaired" and "The Profession of Orientation and Mobility." David A. Guth, blind rehabilitation, also co-wrote a chapter on "Perception and the Control of Locomotion."

A faculty member since 1986, Wiener



Wiener

serves as the chairperson of the editorial advisory board of the Journal of Visual Impairment and Blindness. The journal publishes articles and information relevant to all age groups.

Galligan earns award for contributions to review

Edward L. Galligan, emeritus in English, has been awarded the Robert B. Heilman Prize for excellence in book reviewing in The Sewanee Review in 1995.

The prize, which includes a \$500 award, is given in honor of Robert B. Heilman, the distinguished critic and scholar, who is professor emeritus of English at Washington State University and who has been for many years a contributor to and an advisory editor of the journal. Last year's prize, the inaugural one, went to the Canadian scholar and critic George Woodcock.

The Sewanee Review is the oldest continuously published literary quarterly in the country. It has been published at the University of the South in Sewanee, Tenn., since 1892.

Galligan has published more than a dozen reviews and critical essays in the review since retiring as chairperson of the Department of English in January 1989.

WESTERN MICHIGAN UNIVERSITY WESTERN NEWS

Editor: Ruth A. Stevens; Staff Writers: Cheryl P. Roland, Julie D. Paavola; Photographer: Neil G. Rankin.

Western News (USPS 362-210) is published by News Services, B-207 Ellsworth Hall, Western Michigan University, 1201 Oliver St., Kalamazoo, MI 49008-5165, weekly during fall and winter semesters and bi-weekly during spring and summer sessions, except during vacation periods. Second class postage paid at Kalamazoo, MI 49008-5165.

Postmaster: Send address changes to Western News, News Services, Western Michigan University, 1201 Oliver St., Kalamazoo, MI 49008-5165.

Western News is distributed without charge to faculty and staff members, retirees and friends of the University, and is available at several campus locations.

Deadline: Items to be considered for publication should be submitted to News Services by noon Tuesday of the week of publication. Offices that receive too many copies — or too few copies — are asked to call 387-4100. WMU is an equal opportunity/employer/affirmative action institution.

WMU joins Direction Center in Grand Rapids

WMU is the newest partner in Direction Center of Grand Rapids, a management resource for nonprofit organizations.

Upon recommendation by President Haenicke, the Board of Trustees March 15 approved participation in the center.

"We assessed the relative benefit to the institution that would come from our partnership," Haenicke told the board. "We think it would be beneficial in the area of fostering volunteerism, in which we are strongly engaged with our student groups, and in the area of our public administration program. So we see very good connections."

"We also think it would be just one more aspect for us to be active in the Grand Rapids community," he continued. "We are active in many other aspects and this would round it off appropriately."

Direction Center was created five years ago through a consortium between the Heart of West Michigan United Way, the Grand Rapids Foundation and Grand Valley State University. The Frey Foundation of Grand Rapids also recently became a partner.

"These community institutions recognized a need for nonprofit organizations to have high quality, low cost professional consulting, training and research services that would enhance their operations, governance and leadership capacities," said Barbara A. Greene, president of the center, who made a presentation at the board meeting. "Direction Center is able to provide these services today, in large part, through a large pool of community volunteer professionals and through the use of higher education faculty and students."

In 1995, the center provided services to nearly 1,300 nonprofit agencies in West Michigan. Examples include strategic planning, market research, management training and consultation, proposal or grant application critiquing and diversity training.

Danny H. Thompson, social work, and James R. Sanders, educational leadership, already have provided services to Direc-

tion Center. In addition, James L. Schultz, WMU Grand Rapids Regional Center, serves as a trustee of the center.

WMU's participation represents a \$25,000 annual commitment of cash or in-kind contributions such as facilities, professional expertise and equipment.

Retirement reception set

Current and former Sara Swickard Preschool families and friends are invited to attend a retirement reception honoring Anne Cline and Nancy Crowell, retired teachers, Saturday, April 13. The event will run from 11 a.m. to 2 p.m. in 242 Bernhard Center. Crowell retired in September with 21 years of service and Cline is retiring this month with 17 years of service.

Senior projects presented

A height-adjustable jet ski service stand and a bus location system for the blind are among the projects that will be presented Tuesday, April 9, at the 18th Conference on Senior Engineering Design Projects.

The event will run from 9 a.m. to 5 p.m. in the Bernhard Center. It is sponsored by the College of Engineering and Applied Sciences.

Seniors in engineering will present the results of 88 projects they have completed to solve problems facing business and industry.

Human resources

Many employees may have a new zip code due to changes being made by the U.S. Post Office. A new 49024 zip code region is being created and some residents in the 49002 and 49008 regions have been sent a notice from postal authorities informing them of a change in their zip code and/or mailing city.

The human resources information systems office has sent a memo to all employees living in the 49002 and 49008 zip code regions asking for help in keeping their files current. If your mailing address is being changed, be sure to complete and return that memo to information systems as soon as possible. Or, send information systems a note including your name, social security number and full address with the new mailing city and/or zip code. You may also call the office at 7-3622 to update your address.

baries, 95/96-452, 4/2-4/8/96.

(R) **Assistant Professor** (Academic Year; Tenure Track), I-30, Health, Physical Education and Recreation, 95/96-454, 4/2-4/8/96.

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

(N) New

(R) Replacement

WMU is an EO/AA employer

Libraries

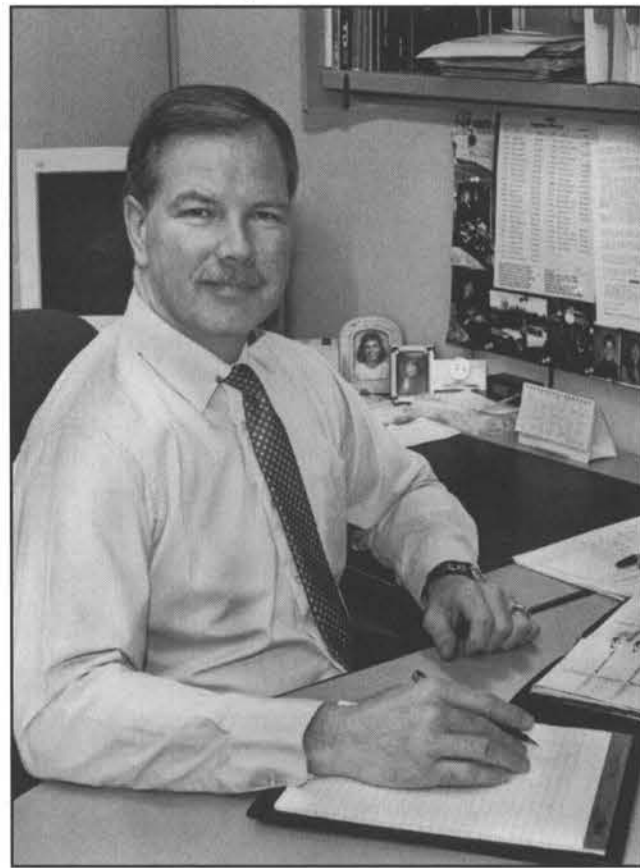
Multimedia has finally arrived at the Education Library in Sangren Hall.

What is multimedia software? Essentially, it is software that uses the power of today's multimedia desktop computers to present information enhanced by sound, color illustrations, animation and often full motion video.

Such software also may utilize hypertext links. This means if you are reading an article in a multimedia encyclopedia about the Civil War and highlighted text refers to Abraham Lincoln, simply click the mouse on highlighted "Lincoln" in the text and you'll immediately be shown the article about Abraham Lincoln.

This new multimedia collection offers students and faculty an opportunity to gain some hands-on experience with the new technology that's finding its way into schools, homes and offices. A cross section of materials is available, including "Microsoft Encarta 95," an electronic encyclopedia. "Just Grama and Me" and "Tor-

On campus



GIVING BACK TO WMU — Charitable bequests, living trusts, gift annuities and endowments might sound like mumbo jumbo to those not familiar with the field. But to Kenneth J. DeVries, those terms are what working at WMU is all about. The director of planned giving services for the WMU Foundation, he has experience in all those aspects of major and planned giving as well as with life insurance, real estate, stock and charitable remainder trusts. An attorney who has worked for 20 years in private practice and in association with nonprofit organizations, DeVries has focused on charitable gift development and the administration of gift plans for the past 10

years. He joined the WMU staff in 1989 and says he enjoys the relationships that he has developed in the course of his work with alumni and friends of WMU around the country as well as with faculty and staff with whom he routinely interacts. "Anyone who ever has any questions or is just plain curious about planned and deferred giving concepts and opportunities should not hesitate to call me," he says. "I love to talk about the possibilities." DeVries is a member of the National Committee on Planned Giving and immediate past president of the West Michigan Planned Giving Group. He currently serves as a board director and fund-raising committee chairperson for the Mattawan Public Education Foundation. A graduate of the Kalamazoo Christian Schools, WMU and Cooley Law School, DeVries is married with two children and lives in Mattawan. When not at work, he enjoys spending time at Lake Michigan and undertaking landscaping projects around his home.

Zest for Life

Spring programs offered

There are several Zest for Life programs being offered this spring to help you achieve your fitness goals and to promote good health and well-being.

Total Fitness-Aerobics, Aqua Fitness-Water Exercise and Stretch and Strengthen for Fitness classes are being held at various times throughout the week starting May 6 (see the ZFL brochure for days, times and locations).

Swim Technique and Conditioning again will be offered from 12:05 to 12:50 p.m. Mondays and Wednesdays (May 6-June 19) at Gabel Pool. This unique program is designed to help each individual improve stroke technique and learn new skills.

The Zest for Life Fitness Room in 15 Oakland Gym will continue to offer individualized orientations for Zesters who are just getting started or for those who would like some personal instruction. Stop in and speak to an exercise science specialist between 11:30 a.m. and 1:30 p.m. Monday through Friday or between 4 and 6 p.m. Monday through Thursday.

Yoga, Stretch and Tone, a relaxing class

set to music, will continue to meet from 5:30 to 6:30 p.m. Mondays in 16 Oakland Gym. Tai Chi again will be available from 5:20 to 6:30 p.m. Wednesdays in 16 Oakland Gym. Tai Chi is an ancient Chinese exercise that uses slow and controlled movements while emphasizing relaxation. It involves physical exercises, will power, visualization and study in concentration.

Children can learn to swim

WMU employees may enroll their children in the Learn to Swim program this spring at the Student Recreation Center pool. Children 4 to 10 years of age are eligible for participation in the American Red Cross pre-beginner and beginner swimming classes.

Each class is taught by a certified instructor and meets six times for 40 minutes each. Classes meet Saturday mornings May 11 through June 15 and cost \$30. Pre-beginner classes run from 10:30 to 11:10 a.m. and the beginner class is scheduled for 11:20 a.m. to noon.

Watch the Western News for the summer session class offerings. For questions about Learn to Swim, call 7-3543.

Exchange

FOR RENT — Cottage one-half hour from Kalamazoo. Quiet, two decks, sleeps 4-6. Beautiful location on lake linked to three other lakes, good fishing, with fishing boat and canoe. \$250 per week. Call 375-9335.

Jobs

The following list of vacancies is currently being posted through the Job Opportunity Program by employment services in the Department of Human Resources. Interested benefits-eligible employees can apply for any of these positions (bargaining or non-bargaining) by submitting a job opportunity transfer application during the posting period, or may contact an employment services staff member for assistance in identifying themselves as candidates for these openings.

S-01 and S-02 clerical positions are not required to be posted. For persons interested in faculty positions, there are openings in selected fields. A letter of application should be submitted to the appropriate dean or chairperson.

(R) **Grounds Laborer I**, M-2, Physical Plant-Landscape Services, 95/96-448, 4/2-4/8/96.

(R) **Clerk II**, S-03, Public Safety, 95/96-449, 4/2-4/8/96.

(N) **Assistant Professor** (Academic Year; One-Year Term), I-30, English, 95/96-450, 4/2-4/8/96.

(N) **Assistant/Associate Professor** (Tenure Track), I-30/20, University Li-

Media

George Robeck, communication, discusses how politicians use non-verbal communication on "Focus," a five-minute interview produced by news services. "Focus" is scheduled to air at 6:10 a.m. Saturday, April 6, on WKPR-AM (1420). "Focus" is also used on a regular basis by WKZO-AM (590), WKMI-AM (1360) and several other radio stations around Michigan.

toise and the Hare" are multilingual living children's books that include animation and sound. These texts can be opened in English, Spanish or Japanese. The books will read to a child or allow the child to read unassisted.

Aimed at children ages 6 through 12, "Math Blaster" is a multimedia math teacher. Using a game format, this title teaches children problem solving and mental math skills. The deLorme "Street Atlas USA," a street atlas covering virtually every city and town in the United States allows searching by street name, telephone area code, zip code or place name. Maps also may be printed.

"Global Explorer," a CD-ROM based world atlas, allows users to explore countries and includes information on industry, agriculture and air distances between places. The "Mayo Clinic Family Health Guide" provides detailed information on diseases, fitness, health, medical terminology and human anatomy as well as advice on treatment. This source includes

animation, full color illustrations, audio narration and full motion video. Library users interested in physiology or disorders related to special education will find this source useful.

The "Gettysburg Interactive Battle Simulation" recreates the famous Civil War battle and allows users to play the part of either Confederate General Lee or Union General Meade. Users can direct troops and artillery and alter the outcome of the battle. The software accounts for terrain and other variables the participants faced during the actual battle in July 1864. Icons represent various military units that took part in the conflict. Extensive help is available on line and the program can run a built-in demonstration. Students of U.S. history will find this package of interest.

Overall, the power of multimedia is changing the way in which we view, access and utilize information. Stop by the Education Library, 3300 Sangren Hall, for more information.

Calendar

The master calendar maintained by news services for use in Western News is available through Gopher on the VMScluster. Currently, there are three calendars available: April events; May events; and future events, which run from June through December. To view the calendars, type Gopher at the system prompt. At the next menu, choose 2. Western Michigan University, then choose 5. Campus Calendar. You will find options for 1. This Month's Events, 2. Next Month's Events and 3. Future Events.

Thursday, April 4

Display of third annual Clothesline Project to increase awareness of sexual and relationship violence, Promenade Tent, 10 a.m.-4 p.m.
(and 5) Exhibition, graphic design by Brian Edlefson, Nissa Grayson and Steve McClard, BFA candidates, Student Art Gallery, East Hall, weekdays, 10 a.m.-5 p.m.; closing reception, Friday, April 5, 6-9 p.m.
(thru 12) Exhibition, painting, printmaking and fine press books by Jeff Abshear, MFA candidate, Gallery II, Sangren Hall, weekdays, 10 a.m.-5 p.m.
"A Gathering of Women," Faculty Dining Room, Bernhard Center Public Cafeteria, noon-1 p.m.
Concert, Opera Workshop, Dalton Center Recital Hall, noon.
Mathematics and statistics colloquium, "The 15 Puzzle and Generalizations," David C. Murphy, senior mathematics major, Commons Room, sixth floor, Everett Tower, 4 p.m.; refreshments, 3:45 p.m.
Student recital, Daniel W. Smith, bass-baritone, Dalton Center Recital Hall, 5:30 p.m.
Student recital, Duncan McMillan, piano/jazz, Dalton Center Lecture Hall, 6 p.m.
Visiting Scholars and Artists Program lecture, "Understanding and Teaching Complex Thinking Skills," Frederick Reif, distinguished service professor, Center for Innovation in Learning and Departments of Physics and Psychology, Carnegie-Mellon University, 1110 Rood Hall, 7:30 p.m.
Concert, Trombone Choir and Tuba/Euphonium Ensemble, Dalton Center Recital Hall, 8 p.m.

Friday, April 5

Women's tennis, WMU vs. Bowling Green State University, Sorensen Courts, 1 p.m.
(and 6) Softball doubleheader, WMU vs. Ball State University, Ebert Field: April 5, 2 p.m.; and April 6, noon.
Doctoral oral examination, "An Account of Expert Phylogenetic Tree Construction from the Problem-Solving Research Tradition in Science Education," Steven D. Brewer, science studies, 303 Moore Hall, 2 p.m.
Student recital, Carrie Bursch and Lee Kiang Lim, both piano, Dalton Center Lecture Hall, 6 p.m.
Student recital, David Krosschell and Edward Schoendorff, both trombone, Dalton Center Recital Hall, 8 p.m.

Saturday, April 6

Football, Brown and Gold spring game, featuring halftime dedication of the John Gill Stadium Club, Waldo Stadium, 1 p.m.; *Bronco Touchdown Club pre-game luncheon, 11:30 a.m. — for reservations call 7-3100.
Women's tennis, WMU vs. Miami University, Sorensen Courts, 1 p.m.
(and 7) Baseball doubleheader, WMU vs. Ohio University, Hyames Field, 1 p.m.

Monday, April 8

(thru 12) Exhibition, sculpture by Bill Walther, MFA candidate, graphic design by Joe Priebe, BFA candidate, and photography by Ian Collazo, BFA candidate, Student Art Gallery, East Hall, weekdays, 10 a.m.-5 p.m.; closing receptions, Friday, April 12: Walther, 5-7 p.m.; and Priebe and Collazo, 7-9 p.m.
17th annual Music Therapy Clinic Concert, Dalton Center Recital Hall, 7 p.m.
Student recital, Sarah Osterman, piano, Dalton Center Lecture Hall, 7 p.m.
Student recital, Stephan Moore, composition, Dalton Center Multi-Media Room, 8 p.m.

Tuesday, April 9

18th Conference on Senior Engineering Design Projects, Bernhard Center, 9 a.m.-5 p.m.
Visiting Scholars and Artists Program lecture, "Atomic Physics with Synchrotron Radiation: Past, Present and Future," Francois Willeumier, director, Atomic and Ionic Spectroscopic Laboratory, the University of Paris-Sud, 1110 Rood Hall, 4 p.m.
Student recital, Beth Pitts, violin, Dalton Center Lecture Hall, 6 p.m.
Faculty recital, "Incident in the Slickrock," composer Jim Schwall, music, Dalton Center Multi-Media Room, 7 p.m.
Concert, Western Winds and Graduate Chamber Winds, Dalton Center Recital Hall, 8:15 p.m.

Noted physicist to speak here April 9-10

An expert in atomic and molecular physics will present two lectures at the University Tuesday and Wednesday, April 9-10.

Francois Willeumier, director of the Atomic and Ionic Spectroscopic Laboratory at the University of Paris-Sud, will lead a physics colloquium at 4 p.m. Tuesday on "Atomic Physics with Synchrotron Radiation: Past, Present and Future." At 4:15 p.m. Wednesday, he will give a public lecture on "Light Sources for Science and Technology." Both talks are free and will take place in 1110 Rood Hall.

He is expected to discuss the impact of light sources in the environment and their application in technology and science.

Willeumier helped start the French Synchrotron Radiation Facility in the early 1970s and has been in his present position since 1987. He has edited six books, written 120 articles or chapters in journals and books, presented 143 invited talks, participated in 102 conference presentations and helped organize 23 international conferences.

His lectures are being sponsored by the Visiting Scholars and Artists Program and coordinated by the Department of Physics. For more information, persons may contact Nora Berrah, physics, at 7-4955.

The Visiting Scholars and Artists Program was established in 1960 and has supported some 500 visits by scholars and artists representing more than 65 academic

disciplines. The chairperson of the committee that oversees the program is Linda L. Dannison, chairperson of family and consumer sciences.

April 11 News is last issue

The April 11 Western News will be the last issue for the winter semester. The first issue of the spring session will be published Thursday, May 2. The deadline for each issue is at noon on the Tuesday preceding the publication date.

Placement day planned for those in education field

Graduating seniors and alumni will have an opportunity to seek employment in the field of education at the eighth annual Teacher Placement Day Monday, April 15.

The event will run from 9 a.m. to 4 p.m. in the East Ballroom of the Bernhard Center. More than 70 representatives from school districts throughout the United States will be seeking teachers, administrators, psychologists, counselors, social workers and coaches as well as occupational, physical and speech therapists.

Teacher Placement Day is sponsored by career services and is open to the public free of charge. No pre-registration is required. Candidates should come in appropriate interview dress with plenty of resumes for distribution to employers.



PROFESSORS OF THE DAY — John Schreuder, president and chief operating officer of First of America Bank, was one of three business executives who become short-term faculty members at WMU during the Haworth College of Business' annual Professors of the Day Program March 20. Schreuder spoke here in an accountancy class. In addition to leading classes, the guest lecturers attended a luncheon in their honor. Also participating were executives from First of America Services in the Department of Business Information Systems and River City Plastic Inc. in the Department of Management.

Wednesday, April 10

Baseball doubleheader, WMU vs. Central Michigan University, Hyames Field, 1 p.m.
School of Music Convocation Series, annual honors convocation, Dalton Center Recital Hall, 2 p.m.
Visiting Scholars and Artists Program lecture, "Light Sources for Science and Technology," Francois Willeumier, director, Atomic and Ionic Spectroscopic Laboratory, the University of Paris-Sud, 1110 Rood Hall, 4:15 p.m.
Student recital, Dennis DeSantis and Joseph DiPonio, both composition, Dalton Center Multi-Media Room, 7 p.m.
Concert, University Chorale, Dalton Center Recital Hall, 8 p.m.
Student recital, Russell Brown Brass Quintet, Kanley Chapel, 8 p.m.

Thursday, April 11

"A Gathering of Women," Faculty Dining Room, Bernhard Center Public Cafeteria, noon-1 p.m.
Mathematics and statistics colloquium, "Cyclic Encounters of the Right Kind and Combinatorial Conversions," Michelle L. Schultz, doctoral student in mathematics, Commons Room, sixth floor, Everett Tower, 4 p.m.; refreshments, 3:45 p.m.
Student recital, Sandra Kessler and Miranda Moore, both trombone, Dalton Center Lecture Hall, 6 p.m.
*(thru 13) University Theatre production, "The World Goes 'Round," Multi-Form Theatre, Gilmore Theatre Complex, April 11-12, 8 p.m.; and April 13, 2 and 8 p.m.
*Concert, GCII, Dalton Center Recital Hall, 8 p.m.
Student recital, Randon Chisnell, composition, Dalton Center Multi-Media Room, 8 p.m.

*Admission charged

Eminent scholars recruited for center board

Seven internationally known medieval studies scholars have been named to the first advisory board of WMU's Richard Rawlinson Center for Anglo-Saxon Studies and Manuscript Research.

The board will meet each May at the International Congress on Medieval Studies, says Paul E. Szarmach, director of WMU's Medieval Institute, which plays host to that international event. Board members, he says, will be charged with overseeing development of the new center as it expands its collections, maintains its links with international research projects and supports special lectures, programs and courses.

Selected for four-year terms on the board were: Antonette diPaolo Healey of the University of Toronto, who directs the Dictionary of Old English, the field's most prestigious research project; Catherine Karkov of Miami University of Ohio, an expert in Anglo-Saxon archaeology; and D.G. Scragg, director of the Manchester Centre of Anglo-Saxon Studies at the University of Manchester, England, the world's only other Anglo-Saxon study center.

Serving three-year terms on the new board will be: Michelle Brown of London, one of the British Library's major manuscript scholars; Kevin S. Kiernan of the University of Kentucky, who co-directs the "Electronic Beowulf" project with Szarmach; Hans Sauer of the Technical University of Dresden, Germany, who is co-editor of the journal, Anglia; and Patrick Wormald, a major Anglo-Saxon historian from Christ Church College at Oxford University, England.

Serving as secretary to the board this year will be Timothy C. Graham, a re-

searcher from Cambridge, England, who is a visiting scholar to WMU's Medieval Institute.

The Rawlinson Center, part of the Medieval Institute, was established in 1994 to foster teaching and research in the history and culture of Anglo-Saxon England and in the broader field of manuscript studies.

The center is named for an 18th century scholar who founded and endowed the Chair of Anglo-Saxon Study at Oxford. Rawlinson was a prominent teacher, author and collector who was a contemporary of Isaac Newton and a bishop of the Church of England. The center was funded by David R. Tashjian and Georgian Rawlinson Tashjian of Cupertino, Calif., to honor her ancestor and to recognize his contributions to the academic life of the English-speaking world.

Major efforts of the center include serving as one of three home sites for the "Electronic Beowulf" project, which focuses on digital imaging of the ancient manuscript for research and teaching. The other two bases for the project are the British Library and the University of Kentucky. The Rawlinson Center also publishes the Old English Newsletter as well as "Sources of Anglo-Saxon Literary Culture," a reference tool that catalogs scholarly sources in the field.

Starting this year, the center will play a major role in the annual International Congress on Medieval Studies by organizing sessions on Anglo-Saxon studies and sponsoring a Richard Rawlinson Congress Speaker to address Anglo-Saxon issues outside the field of literature. The speaker at this year's May 9-12 congress will be board member Patrick Wormald.