



OAKLAND UNIVERSITY

News

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A publication for faculty and staff

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Wilson Awards Cite Seniors Nykanen, Waroway

David Nykanen and Lynn M. Waroway have been named the Alfred G. and Matilda R. Wilson Award winners for 1992.

They will receive the awards at June 6 commencement. The Wilson Awards are the highest honor the university bestows on graduating seniors.

Nykanen is a member of the Honors College and will graduate with a major in political science and a minor in German. He has been involved in several campus organizations, including University Student Congress, the Student Program Board and the German Club.

Nykanen was a tutor at the Academic Skills Center, helping students in political science, economics, chemistry and German. Also within the Academic Skills Center, he served as a Peer Study Leader for the Enhanced Studies Program, which is designed to enhance the retention rates for regularly admitted minority students.

He was student cochairperson for the 1989 Black Awareness Month activities and was a student representative on the Honors College Council in 1989-90.

This spring, Nykanen was one of two Oakland students honored with Michigan Association of Governing Board awards. Nykanen plans to pursue a career in law.

"In all of your interactions you have distinguished yourself with a sincere interest in fellow students and their concerns," the resolution honoring Nykanen notes. "You exemplify in every way those attributes that make an outstanding student."

Waroway will graduate with a double major in accounting and economics. She has served as president of the Oakland Accounting Students Information Society and worked with the Volunteer Income Tax Assistance Program, which helped low-income persons complete their tax returns. She has

also been involved with the Special Olympics programs.

While at Oakland, Waroway has been a member of the Golden Key National Honor Society, Beta Alpha Psi, Beta Gamma Sigma, Omicron Delta Epsilon, the Economics and Finance Society, and the American Marketing Society.

"All of your interactions have been distinguished by commitment and energy, affecting positively all with whom you have come in contact," Waroway's resolution notes.

Nursing Board Honors Four

Four outstanding Michigan registered nurses were honored May 12 at the fourth annual Nightingale Awards dinner on campus.

The School of Nursing expected more than 400 members of the medical and nursing communities and the general public to attend the event in the Shotwell-Gustafson Pavilion.

Winners were Catherine M. Baldy, RN, BSN, MS, OCN, of Troy; Patricia A. DeMetsenare, RN, of Canton; Mary J. Denyes, RN, Ph.D., of Ann Arbor; and Denise Spencer, RN, of Sterling Heights.

Baldy is a clinical nurse specialist in hematology at Henry Ford Hospital in Detroit. She received the Nightingale Nursing Practice Award. She has cared for and counseled the critically ill at Henry Ford Hospital for more than 20 years and was named Oncology Nurse of the Year in 1981.

DeMetsenare, assistant director of nursing at Westland Convalescent Center, received the Nightingale Nursing Administration Award. She is a strong advocate of family involvement in health care. DeMetsenare has encouraged several of her licensed practical nurses to pursue RN degrees.

Denyes, assistant dean and associate professor at the Wayne State University College of Nursing, received the Nightingale Nursing Research Award. Recognized for contributions to nursing theory development and advocacy of practice-oriented research, Denyes developed a significant study on the effectiveness of nursing actions to prevent pain in young people.

Spencer, who has spent 22 years in nursing education at William Beaumont Hospital in Troy, received the Nightingale Nursing Edu-

cation Award. She provides seminars, in-service training and patient educational materials. She also designed an outpatient diabetes program.

Finalists for the two awards were Tara Gardner, a communication arts and Spanish language and literature major; Tricia Olszewski, an electrical engineering major; Todd Cook, a political science major; and Rama Madugula, a computer engineering major.

The university will also name a Human Relations Award winner. Selection of the winner had not been made by presstime.▼

More than 100 nominations of nurses throughout the Detroit metropolitan area were screened. Recipients of the prestigious Nightingale Awards each receive \$1,000 cash and a special bronze statue of Florence Nightingale, founder of modern nursing.

Nightingale was born on the ceremony date (May 12) in 1820 in Florence, Italy.

Mark Nichols, vice president of Ralph Nichols Corp., was guest speaker. Nichols understands the benefits of outstanding nursing care, since he is a kidney transplant recipient. He is a 1981 Oakland graduate, having received a degree in biology.

The Nightingale dinner was sponsored for the School of Nursing by its Board of Visitors. Board member Victoria Reins of Bloomfield Hills chaired this year's event.

"The fast-growing Nightingale Awards event spotlights both individual accomplishments of professional nurses and the vital contributions nurses make to each of us in the community," Reins said.

Reins noted the Board of Visitors sponsored the dinner as part of its support of OU's nationally recognized School of Nursing.

The Board of Visitors consists of 20 volunteers from the health-care field and others interested in nursing. The board provides support and counsel to the School of Nursing and helps promote nursing as a profession. Robert Shapiro, vice president of health care services, Perry Drug Stores, is board chairperson.▼

PAL Finds Friends in Alumni Donors

A special four-day fund-raising campaign this spring among alumni has paid off for the benefit of the Performing Arts Library.

TeleFund callers reached alumni who have either never donated to Oakland or have not in the past several years. Results exceeded expectations with the campaign raising \$4,580 from 169 donors. The goal was \$4,000. Better yet, the figure does not include any funds that may be provided as matching gifts from employers.

Anne Engle, assistant director of annual giving, said the donors were alums who either majored in Department of Music, Theatre and Dance programs, or had participated in MTD student productions. The idea, Engle said, was to identify a group of non-donor alums with something in common: in this case, an affiliation with MTD programs.

The mini-TeleFund was similar to the main TeleFund program operated each fall when thousands of alumni are contacted by phone. Many of these alumni cannot be reached, however, or decline to make a pledge. The special mini-TeleFund followed up on persons who had never made a gift to Oakland or had not made a gift in 1991. Engle decided to create the mini-TeleFund to see if the nondonors' affiliation with MTD would be enough to spark an interest in giving to the university.

"The results were overwhelming," Engle said. "Forty-three percent of the donations were first-time gifts to OU, proving that nondonors often still do have an affinity to the university."

Engle culled a list of 823 prospects. With the cooperation of volunteers from the Department of Music, Theatre and Dance, the project began.

The TeleFund was also an example of interdepartmental cooperation. Kresge Library oversees the PAL, although it is housed in Varner Hall and is used primarily by MTD students and faculty.

"The faculty of the Department of Music, Theatre and Dance considers the Performing Arts Library to be one of our most valuable assets," said Karl Boelter, department chairperson. "Providing an excellent listening and viewing experience is important to generating an interest in and comprehension of the performing arts."

The funds will purchase audio and visual equipment, including compact disc players, cassette decks, video players and other items.

Engle added that she hopes to organize similar miniTeleFunds in the future. The key to success, she said, is a commitment from the department to make the project work. That includes providing volunteer callers or funds to pay for student telemarketers.

Callers for the MTD TeleFund were Rebecca Reese, John Paul White, Virginia Ganesky, Lyle Nordstrom, James Dawson, David Daniels, Greg Patterson, Robert Facko, Lettie Alston and Boelter, all of the department; Pat Nicosia, budget director; Jeri Kring, coordinator of special and external projects, arts and sciences; Bill Marshall, Oakland Center director; and alumni Julie Granthen and Patt Meredith Pear.▼



What Would Johnny Appleseed Think?

So much for planting a seed, carefully watering it and waiting years for something to grow. Nowadays, you need a tree, you plop it into place. Some choice trees along the right-of-way on Squirrel Road have been given new homes on campus. The road-widening project will result in the loss of many other trees, but an equal number will be planted when construction is complete. Al Nordheden, landscape architect, said the university moved approximately 30 well-developed trees because the cost of moving was far less than the cost of replacing them with trees of equal size. He adds he cannot guarantee all the transplants will survive, since when a tree is moved, only 3 percent of its root system is lifted out. The effort is worth the gamble, he notes, since the trees the city of Auburn Hills will furnish as replacements will be much smaller.

Anthropologists Look at Spouse Abuse; Offer Warning Signs on Male Traits to Avoid

Wife-beating is omnipresent, under-reported and won't be curbed unless society establishes tough sanctions against the husbands, says an Oakland anthropologist.

Judith K. Brown, an expert on women's issues, is a coeditor and contributor to a new book, *Sanctions and Sanctuary*, that looks at

wife-beating in this country and other Western and nonWestern societies.

Brown calls for tough sanctions to curb wife-beating and says there must be a second societal response: shelters or places of sanctuary to aid a woman who has been subjected to abuse.

"When you are beaten, have three kids, and no money or family nearby, where do you go?" Brown asks.

The book stems from a 1987 American Anthropological Association meeting in Chicago where Brown and colleague Dorothy Counts of the University of Waterloo, Ontario, chaired the first session to ever take a cross-cultural look at wife-beating. They have been joined by a third editor in their book, Jacquelyn Campbell of Wayne State University.

Anthropologists who have studied other societies contributed to the book. The general findings: wife-beating is no respecter of societal boundaries, socioeconomic or ethnic class.

"Wife-beating is a practice that is accepted in some cultures and disapproved in others, but one which occurs with alarming frequency in almost all societies, including our own," Brown says.

Among the other findings: older women in many societies have much to say about how the younger women (the most likely subjects for beating) are treated.

What should a young woman note as danger signs in her date or prospective husband? "He displays extreme jealousy with uncontrolled temper outbursts alternating with remorse," Brown says, "or, he manipulates the relationship so as to isolate his partner and undermine her relationship to family and friends. Or he shows a need to demean his partner, to undermine her self-confidence."

Those are tell-tale signs, but Brown isn't sure that a young woman in love would really notice.

The findings tie in with another Brown book, *In Her Prime*. The book is in its second printing and was the first of its kind to look at middle-aged women in societies. Other than in America, a woman tends to gain power and prestige as she ages and her sons

and family grow, Brown says. How she regards the young women or young wives of the household can have a great bearing on how they are treated.

In nonEuro-American societies, living patterns can make a difference, Brown says. If a wife's brothers are near, the husband may realize that he will get beaten up if he abuses

Wife-beating is a practice that is accepted in some cultures and disapproved in others, but one which occurs with alarming frequency in almost all societies, including our own.

— Judith K. Brown



What the Well-Dressed Peasants Wear

Many fashionable folks are walking the streets of Oakland County these days dressed as who-knows-what, thanks to Meadow Brook Theatre. Extra costumes were sold to the public. The sale cleared out some storage room while bringing in funds for the theatre.

Showing off some of the fashionable items are, from left, Peter Hicks, Renee DiFilippo, Barbara Jenks, Greg Ulech and Kathy Richards.

her. The wife also knows she has a place to escape if she is beaten.

In our society, there are too few shelters, and living patterns result in both husband and wife living apart from relatives. This isolation from a support group increases the danger to the women, Brown says.

Brown looks at the problem from an anthropologist's point of view. She says a multidisciplinary approach is needed to explain psychological and other causes apart from societal customs. One item that stands out, she claims, is the tendency for "uppity" women — women who talk back — to get beaten.

The anthropologist says young women should be alert to dangers they can get into. "There are warning signs that can be learned," Brown claims.

Sanctions and Sanctuary has been published by Westview Press, Boulder, Colorado.▼

— By Jim Llewellyn

The Campus Register

Faculty and Staff Notes

Items about professional activities or honors may be sent to the News Service, 104 NFH. They appear as space permits.

Presentations

Two graduate students working in the laboratory of VIRINDER K. MOUDGIL, biological sciences, presented their research at the annual meeting of the Federation of American Societies of Experimental Biology, held in Anaheim, Calif. AMRITA BHAKTA presented *Does cAMP Regulate Phosphorylation of Avian Progesterone Receptor?* She is a recipient of the National Sigma Xi Graduate Research Award. MICHELLE HERMAN presented *Interaction of New Antiestrogen (ZK98299) with Mammalian Progesterone Receptor*. Part of her work was supported by a university Graduate Student Research Award.

WILLIAM FISH, human resource development, serves on the Human Investigation Committee at William Beaumont Hospital. The committee investigates the ethics of medical research projects on human subjects. He also chaired a planning committee for a regional conference on *The Church and Sexuality*.

Four members of the School of Business Administration faculty presented papers at the World Class Manufacturing Solutions Conference in Troy. It was sponsored by the SBA and the Greater Detroit APICS Chapter. AMIR HORMOZI, business administration, presented *Self-Directed Work Teams: A Strategic Necessity in the '90s*. EILEEN PEACOCK and ROBERT KLEMAN presented *Just-in-Time Inventory Techniques and Inventory to Sales Ratio: An Empirical Analysis*. FRANK P. CARDIMEN, JR. presented *Business Ethics in the Corporation: Changing Values in the Manufacturing Workplace*.

VINCENT B. KHAPOYA, political science, delivered a paper, *African Security Issues in the 1990s*, at a brown-bag seminar at the Center for Peace and Conflict Studies at Wayne State University. He also spoke on *An African Perspective on Afrocentrism* at a workshop on Afrocentrism for K-12 teachers. It was sponsored by the African Studies Center at Michigan State University.

LAURIE MASTROGIANNIS, health enhancement institute, presented *Counseling Victims of AIDS* at the Human Sexuality Conference sponsored by the Graduate Counseling Student Association at Oakland. Also at the conference, HOWARD SPLETE, education and human services, presented *Internships and Supervision*.

JILL DUNPHY, alumni relations, will chair a session on *Managing Total Quality* at the annual conference of the Michigan Advancement Council. The conference will be held May 17-18 in East Lansing.

Honors

RONALD SUDOL, rhetoric, communications and journalism, has been appointed to the committee that sets the standards and criteria for the writing section of the Michigan Teacher Competency Testing Program. The test, to be taken by prospective public school teachers beginning this year, will be administered by the state Board of Education.

In the News

- HOWARD SCHWARTZ, management and marketing, was interviewed by WBEZ radio in Chicago. He discussed the phenomenon of organizational decay and narcissism.

New Faces

Additions to the university staff in recent weeks include:

- Marsha J. Doderio of Troy, a clerk I in the School of Nursing.

Funding Opportunities

Sources of external funding are provided by the Office of Research and Academic Development. Stop by 370 SFH or call 370-3222.

Department of Energy

The department's Office of Health and Environmental Research invites preapplications for special research on the health effects of exposure to energy-related agents. Grants are \$90,000 to \$500,000 a year for up to three years. Preapplications are due May 29 and formal applications are due August 21.

Department of Education

The department seeks applications for projects to create school improvement partnerships between public schools or higher education institutions and private-sector groups. Partnerships will include at least one local education agency or higher education institution, or both, and one or more of the following: business concerns, community-based organizations, private nonprofits, museums, libraries, educational television or radio stations and appropriate state agencies. Grants average \$250,000. June 15 deadline.

National Science Foundation

The NSF invites proposals for small busi-

ness innovation research. Proposals for short-term pilot and feasibility studies to test innovative research ideas are sought. Areas of interest include physics, chemistry, materials research, mathematics, astronomy, atmospheric sciences, Earth sciences, ocean sciences, biological and neural sciences, computer and information sciences, robotics, electrical and communications systems, and education and human resources. Small science and research businesses with fewer than 500 employees are eligible to apply for funding. Up to 200 awards of \$50,000 each will be supported in this funding cycle. June 15 deadline.

Department of Defense

The department invites innovative short-term pilot and feasibility studies to test research ideas and technologies under hundreds of specific topics, from artificial intelligence to X-ray radiography. Small research firms with fewer than 500 employees are eligible to apply for funding. About 1,000 awards of \$50,000 will be funded. July 1 deadline.

Aspen Institute

The institute's Nonprofit Sector Research Fund seeks proposals for research on the role and value of nonprofits in the United States and abroad. The fund is interested in research projects that focus on the relationship of the nonprofit to democratic institutions and values, nonprofit advocacy, the role of philanthropy, nonprofit governance and public accountability, financial resources of the sector, nonprofit workforce, and the international dimensions of nonprofit and philanthropic activities. Eligible applicants are nonprofit institutions or individual researchers at nonprofit institutions. July 1 deadline.

Office of Naval Research

Applications are invited for the Young Investigator Program to support research by promising young scientists and engineers in areas that include biological, cognitive and neural sciences. Applicants must have received their graduate degrees on or after December 1, 1987, be U.S. citizens and hold tenure-track positions at U.S. colleges and universities. Awards are \$75,000 a year for three years. September 17 deadline.

Department of Justice

The National Institute of Justice invites applications for research on gangs, violent offenders, community policing, victims' services, drugs and forensic science, and evaluations of justice programs. Specific top-

ics include outgrowing gang membership; circumstances associated with criminal assault; the relationship between alcohol, drugs and specific types of violent crimes; crimes against the elderly; drug testing; and projects to advance forensic sciences and technology. Grants usually range from \$100,000 to \$250,000. Deadlines vary by topic, but most are June 3 or June 10.

National Endowment for the Humanities

Support is available for scholars to travel to particular research libraries, archives or other repositories in the United States and abroad. July 15 deadline.

National Institutes of Health

Small grants provide support for pilot projects, testing of new techniques, and high-risk research feasibility studies; conference grants provide partial support for conferences to coordinate, exchange and disseminate information related to NIH interests; research project grants provide support for health-related research in areas of the investigator's interest and competence; and program project grants support broadly based, often multidisciplinary, long-term health-related research programs of major objectives or themes. June 1 deadline.

Jobs

Information about job openings is available from the Employee Relations Department, 140 NFH.

- Executive housekeeper, miscellaneous, Sunset Terrace.
- Laboratory research technician I, C-7, Department of Biological Sciences.
- Part-time research assistant, casual, Department of Chemistry.

Reaching Us ...

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- JAMES LLEWELLYN, News Service senior editor and news director, 370-3180
- JAY JACKSON, *Oakland University News* editor, News Service staff writer, 370-4344, or E-mail at jacksonj@argo.acs.oakland.edu

Quote

"The invariable mark of wisdom is to see the miraculous in the common."

— Ralph Waldo Emerson

Bits & Pieces

Learn What's Up in Grad Study

Prospective graduate students can learn what Oakland has to offer at the annual Graduate Study Open House from 4-8 p.m. May 20.

The event will be in the Oakland Center West Crockery. Advisers from the schools and colleges will be on hand to answer questions. For details, call 370-3168.

Pioneers Get National Kudos

Senior basketball guard Jennifer Golen and junior center Stacy Lamphere have earned third-team NCAA Division II All-America players by the American Women's Sports Federation.

Golen ended her Pioneer career as the fifth-best scorer in school history at 1,445 points. She earned All-America status last year and becomes the third women's player to do so.

Lamphere was OU's top scorer with 18 points per game and was the top free-throw shooter. She placed in the top 10 nationally for three-point shots.

Send Your Kids to Camp

The Athletic Department is again offering summer camps to help boys and girls polish their skills in a variety of sports.

The 19th annual camp season opens June 14-18 with boys basketball. Other camps cover swimming, baseball, soccer and volleyball. The camps are taught by Oakland coaches and their staffs.

For camp brochures, call 370-3190.

Landscape Show Sprouts

Calling all green thumbs.

A two-day Landscape and Garden Show at Meadow Brook Hall will give homeowners a look at how professionals turn the ordinary into the unusual. The event will have seminars and demonstrations on deck construction, brick walks and patios, landscaping with water features, flower beds, and landscape problem-solving.

Speakers include Jim Wilson of the television program *Victory Gardens*, landscape historian Scott Kunst, horticulturalist Doug Chapman and Steven Still of Ohio State University.

The show runs from 8 a.m.-8 p.m. June 6 and 8 a.m.-6 p.m. June 7. Tickets are \$6 for adults each day and \$3 for children age 12 and under. Children under age 6 are free. Coupons for \$1 off admission are available at Bordine's Better Blooms and English Gardens.

The event is sponsored by Meadow Brook Hall and the Metropolitan Detroit Landscape Association. For information, call 370-3140 or 646-4992.

Alumna Named Chancellor

Betty J. (Sherman) Youngblood, who graduated from Oakland in 1965 with a bachelor's degree in political science and South Asian area studies, has been appointed chancellor of the University of Wisconsin-Superior.

Youngblood had been acting chancellor since last August. She has been with UW-Superior since January 1990, when she started as vice chancellor for academic affairs and dean of the faculty. Previously she had been vice president for academic affairs at MacMurray College in Florida, vice president of Wesley College in Delaware and an administrator at Kennesaw College in Georgia.

Youngblood holds master's and doctoral degrees from the University of Minnesota.

Offices Move to New Quarters

The beloved office trailers along Squirrel Road are about to hit the road.

The contracting and risk management staff and the environmental health and safety office have been relocated to Graham Health Center. The purchasing staff is now moving to the trailers outside Lepley Sports Center that were once used by the Detroit Lions.

The moves are necessary due to the pending widening of Squirrel Road.

Beloved?



George Stevens, dean of the School of Business Administration, left, and Amir Hormozi, right, assistant professor of operation management, talk with Eric Mittelstadt before Mittelstadt's address. He spoke at a conference on manufacturing sponsored in part by the SBA.

Speaker Tells SBA Conference: U.S. Must Fire Up Competitive Spirit

Americans need to commit themselves to a new spirit of efficiency if they wish to catch up with Asian and European competitors, says the president and chief executive officer of GMFanuc Robotics.

Eric Mittelstadt told a luncheon audience at the World Class Manufacturing Solutions Conference in Troy that increasing efficiency isn't the responsibility of manufacturing enterprises alone.

"We all need to realize that we can do things more effectively — every single one of us, in every single thing we do day by day. Whether we're industry, service companies, teachers, clericals or whatever. To me, that's the key to being successful. We all have to be competitive."

Mittelstadt was a keynote speaker at the conference, which was sponsored by the School of Business Administration and the Greater Detroit American Production and Inventory Control Society Chapter. More than 150 persons from business and industry attended to hear speakers outline concepts for improving manufacturing in the United States. Mittelstadt is also a member of the SBA Board of Visitors.

Also speaking at the conference was Gino Giocondi, vice president, special projects, for Chrysler Corp. Amir Hormozi, assistant professor of operation management, chaired the conference.

GMFanuc, which is equally owned by FANUC Ltd. of Japan and General Motors, is the largest manufacturer of industrial robots in the United States. Last year the firm installed more than 2,000 robots, bringing to 11,000 the total the company has sold since it was established in 1982.

Mittelstadt said the United States is far behind the Japanese in using robots in manufacturing. Fewer than 10 percent of all U.S. industrial companies have a robot installed, and in all, there are 40,000 in use. In Japan, more than 200,000 have been installed, and the number increases by 20 percent a year. The U.S. growth rate is 10 percent.

Use of robots, Mittelstadt said, is important for reasons beyond sales for his company. "Robotics are often credited with playing a major role in the perceived Japanese superiority in quality and productivity. The figures tell the story," he said.

Japan used 70 percent of all robots in use in the world in 1989, Mittelstadt said. Japan has 179 robots per 10,000 workers, while in the United States, the figure is 20 robots per 10,000 workers.

"It's been over 25 years since the industrial robot made its debut, yet still no more than 10 percent of American manufacturing firms have one," Mittelstadt said.

"It is imperative that our entire country realize that industrial automation is an essential objective for everyone — not just industry, not just labor — but for everyone."

Mittelstadt is not shy about learning what competitors are doing and then trying to do it better. "One of the primary characteristics of Japanese culture is that they take ideas from wherever they can find them, adapt them, improve them, and do it better. We have to do that, too."

Government must recognize there is a gap in manufacturing capabilities, Mittelstadt said, and provide incentives for American manufacturers to compete fairly with foreigners.

"Until we understand fully the consequences of losing our competitive edge, there is little likelihood we'll make the business decisions or receive the governmental support needed to make the changes that will bring us up to par with more competitive nations," he said. "Essentially, the message is this: Without dramatic improvement in our industrial infrastructure, the United States is on its way to becoming an underdeveloped nation plagued by such chronic problems as high inflation and debilitating import duties."

Mittelstadt said the United States can become more competitive, if it wants to. "We can spend all the time we want bashing other people, but that isn't going to solve any of the problems we've got at home. We have the capability to do it. Let's just get going."

Mittelstadt said part of what makes manufacturing world class is management, labor and suppliers working in concert. From the design stages to when completed products roll off the line, everyone must be committed to the same goals.

"We all need to get back to understanding each other and trusting that there's no one here that doesn't want to do the best job they can," he said. "Then we can go ahead and challenge everyone to do the best job they can and give them the tools to do it. Then there isn't any limit to where we can go."

Mittelstadt said the robotics industry has a future outside the automobile industry. Non-automotive robotics accounted for 5 percent of the U.S. business 10 years ago, but now the market share is nearing 50 percent. However, Mittelstadt noted, the Japanese are already ahead in that regard, too.▼

Fishing for Answers to the Zebra Mussel Puzzle

Pumping the stomachs of yellow perch and maintaining a fish pond of zebra mussels and sheephead is hardly your normal summer job.

But for Sarah Rautio, an Oakland graduate student, the job relates to her career path and to major research goals.

The 24-year-old master's student has won a \$24,000 grant from the Department of Natural Resources to conduct her work. Rautio is assisted by marine biologist Doug Hunter, her thesis adviser, as OU biologists and the DNR Fisheries Research Division collaborate on a two-year project.

The two goals are to look at the effect of zebra mussels on bottom-feeding fish like the yellow perch, and to see at what rate large sheephead will consume mussels and provide a possible check on their growth.

The student scientist has stocked a special pond at the fisheries station on South River Road in Mt. Clemens. "We will be

comparing the growth of yellow perch in cages with and without zebra mussels," Rautio explains.

A positive outcome of the study is very possibly the finding that "zebra mussels create conditions that are ideal for the proliferation of perch food organisms and benefit the perch population as a result," Rautio says.

Rautio has spent the spring seining for yellow perch and making trips into Ohio to come back with zebra mussels and sheephead. The sheephead is a species of little commercial value.

The zebra mussel came into the Great Lakes from Europe without a known natural predator, but it is now known that the sheephead will eat the mussel, Rautio says.

Rautio will spend the summer monitoring the sediment content in the pond cages and will pump the stomachs of the yellow perch to check on the invertebrates they have consumed. She says "a small spray bot-

tle apparatus is used to pump water into a fish's stomach so it will give up its food content." The perch is not harmed.

DNR biologists explain that the harvest of yellow perch is depressed in most areas of the Great Lakes, probably due in large part to degraded lake bottom communities or organisms.

Rautio says it is known that mussels continuously filter particulate matter from water, and it is assumed that they will have a direct impact on the food chain in areas where mussels are found in great numbers.

Rautio will monitor results through October; the project will conclude in summer 1993. Rautio had worked directly for the DNR for three previous summers and has taken classes from Hunter.

Rautio hopes to do research for the government or another agency. She wants to work outdoors doing biological work in the Great Lakes.▼

— By Jim Llewellyn



Chef Steven Machlay has definite ideas about what a first-class food service should include. He's drawing numerous plaudits for his imagination and dedication to quality from visitors to Meadow Brook Hall.

Chef on a Mission

Like Mom, He Wants You to Eat Your Veggies

Fresh means something to Steven Machlay.

As in fresh herbs, the kind he grows in a little dirt patch outside the kitchen door of Meadow Brook Hall. Lunches and dinners at the hall these days have a decidedly noninstitutional look and taste, and that's a reflection of Machlay's personal philosophy about meal preparation.

Machlay is chef of Meadow Brook Hall, and from all indications, his ideas have

piqued the curiosity of more than just a few diners. Flowers with dinner? Not unusual, unless you're talking about the edible kind Machlay might place on a salad.

"Most people don't eat enough vegetables," Machlay says, explaining why he creates meals that are sources of vitamins, minerals and conversation starters. "If I can make a salad a more enticing part of the meal, then maybe they'll start eating more vegetables. It's a part of the diet that most people tend to ignore."

You don't survive as chef at Meadow Brook Hall on salads alone, and Machlay's talents extend beyond. What sets him apart is his personality and style, which from outward appearances would seem as natural a fit with the hall as Lee Iacocca would be tooling around town in a Toyota.

One day you might find the free-spirited 31-year-old chef arriving at work in ripped jeans and tennis shoes. A few hours later he's bowing before appreciative university donors at a major dinner, looking like someone who stepped out of the kitchen at the Whitney.

No wonder, because Machlay did.

Machlay is employed by Cregar Enterprises, which contracts with Meadow Brook Hall as food service operator. The chef is a native of Orchard Lake who got his formal training at Columbia College in California and the Culinary Institute of America in New York City. He later worked at various Detroit-area restaurants, including the Whitney, where he was sous chef.

Machlay takes his business seriously. He describes the possibilities of what can be done with food with the same passion an artist would a blank canvas and a palette of pastel colors. He speaks of "we," referring to assistants who help cook and prepare foods. Yet he quickly adds he is not an "executive chef" who sits in the office, merely ordering foods.

"I don't consider myself an executive chef, because I work and I cook," he says. "On my business card, it says 'chef.'"

What Machlay is working at is making Meadow Brook Hall famous for its food. "We are not doing prefab foods," Machlay says, showing visitors around the original kitchen that Matilda Wilson built. "We do everything the best way we can. We make all our own stocks and sauces. Our focus here is to offer the finest food available for a reasonable price. Processed food, in my mind, is taboo."

Most meals are prepared for conference groups and special catered dinners, since Meadow Brook Hall is not operated as a restaurant. Machlay says he's happy to prepare whatever a group wants, regardless if it's on the standard menu. The menu, however, includes such dinners as epigrammes of duck with Grand Marnier and air-cured beef bruschetta. These are not your pop-it-in-the-microwave and eat meals.

"Meadow Brook Hall has the affluent customers who we can offer this kind of menu," Machlay says. It's not unusual for him to be called out to the dining room by guests who want to know about the food preparation.

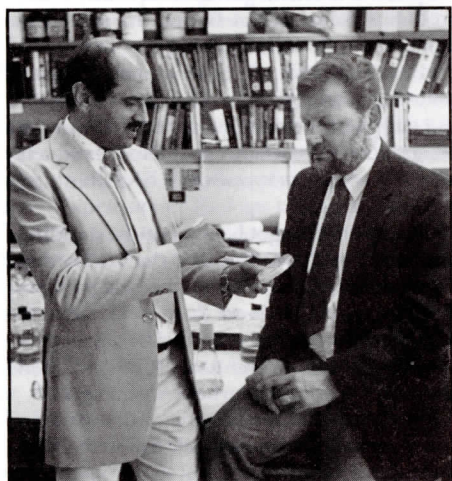
Food that is not served may wind up in a different form on another day. Leftover watermelon was reincarnated as watermelon sorbet; fresh rolls turned up in bread pudding. Machlay has also been known to personally take leftover food to the Pontiac Rescue Mission rather than toss it out.

In July and August, the hall will again open for daily lunch service. Machlay is considering daily features, such as pasta du jour, "just to keep everything changing and generate interest."

Noon-hour diners may find fava beans, parsnips and other vegetables and herbs awaiting them. That suits Machlay.

"I try to surprise people," he says. ▽

— By Jay Jackson



Philip Harriman, right, of the National Science Foundation Division of Molecular and Cellular Biosciences visited laboratories in the Department of Biological Sciences recently, and spoke later at a seminar about procedures for faculty members to follow in obtaining federal funds. Rasul Chaudhry, associate professor, showed Harriman through the laboratories.

Events

SPECIAL HOURS

The Oakland Center has announced special hours for Memorial Day weekend. The building will be open from 7 a.m.-midnight May 22-23 and 7 a.m.-9 p.m. May 24. The building will be closed May 25.

MAY

Until May 17 — Play, *Ain't Misbehavin'*, Meadow Brook Theatre. Times vary. Admission. Call 370-3300.

19 — Seminar, *Total Quality Management and Customer Orientation*, 8 a.m.-noon, Oakland Center Oakland Room. Free. Sponsored by Employee Relations Department. Call 370-3492.

19 — Bible study group, noon-1 p.m., 125 Oakland Center. Free. Call Victoria Y. Junior, 370-3480.

20 — Lecture, *Perspectives on Art*, on conservation and framing of prints, 7-9 p.m., Meadow Brook Hall Carriage House. Admission. Sponsored by Division of Continuing Education. Call 370-3120.

20 — Graduate Study Open House, 4-8 p.m., Oakland Center West Crockery. Free. Call 370-3168.

26 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

JUNE

1-2 — Gehringer Golf Classic fund-raiser for Meadow Brook Hall and Athletic Department, all day, Katke-Cousins Golf Course. Admission. Call 370-3140.

2 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

6 — Commencement ceremonies, at Baldwin Pavilion: 10 a.m., School of Education and Human Services, 1 p.m.; School of Business Administration; 4 p.m., College of Arts and Sciences, School of Health Sciences and Bachelor of General Studies; 7:30 p.m., School of Engineering and Computer Science. At Meadow Brook Theatre: 1 p.m., School of Nursing.

6-7 — Meadow Brook Landscape and Garden Show, all day, grounds of Meadow Brook Hall. Sponsored by MBH and the Metropolitan Detroit Landscape Association. Admission. Call 370-3140.

9 — Personal appointments with TIAA/CREF retirement counselor. Call Staff Benefits Office, 370-3483.

9 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

16 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

20-21 — Meadow Brook Art Fair, 10 a.m.-6 p.m., East Campus area. Free. Sponsored by Meadow Brook Art Gallery. Call 370-3005.

23 — Bible study group, noon-1 p.m., Oakland Center Lower Annex. Free. Call Victoria Y. Junior, 370-3480.

30 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

JULY

2 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

7 — Bible study group, noon-1 p.m., Oakland Center Meadow Brook Room. Free. Call Victoria Y. Junior, 370-3480.

8 — Personal appointments with TIAA/CREF retirement counselor. Call Staff Benefits Office, 370-3483.

14 — Bible study group, noon-1 p.m., 140 NFH. Free. Call Victoria Y. Junior, 370-3480.

21 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

22 — Mormon Tabernacle Choir concert, 8 p.m., Meadow Brook Music Festival. Admission. Call 645-6666.

28 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

AUGUST

2 — Concours d'Elegance classic car show, 9 a.m.-4 p.m., Meadow Brook Hall. Admission. Call 370-3140.

4 — Bible study group, noon-1 p.m., Oakland Center Meadow Brook Room. Free. Call Victoria Y. Junior, 370-3480.

11 — Bible study group, noon-1 p.m., Oakland Center Lower Annex. Free. Call Victoria Y. Junior, 370-3480.

11 — Personal appointments with TIAA/CREF retirement counselor. Call Staff Benefits Office, 370-3483.

15-16 — Art at Meadow Brook, all day, Meadow Brook Hall. Free. Call 370-3140.

18 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

25 — Bible study group, noon-1 p.m., Oakland Center Faculty Lounge. Free. Call Victoria Y. Junior, 370-3480.

MEADOW BROOK MUSIC FESTIVAL

The following concerts at Meadow Brook Music Festival are produced by Olympia Arenas, Inc./Brass Ring. All concerts begin at 8 p.m. Prices are listed as pavilion first, followed by lawn. For information, call or visit any TicketMaster outlet.

Jerry Seinfeld, June 12, \$30/\$17.50

Dolly Parton, June 19, \$27.50/\$17.50

Ray Charles, June 20, \$27.50/\$15

Frankie Valli and the Four Seasons, David Clayton Thomas and Blood, Sweat & Tears, June 21, \$25/\$15

Crosby, Stills & Nash, June 26-27, \$27.50/\$17.50

Drifters, Coasters, Platters, Shirelles, Crystals (with fireworks show), July 3, \$22.50/\$15

John Lee Hooker and Robert Cray with the Memphis Horns, July 5, \$27.50/\$15

Arlo Guthrie and Pete Seeger, July 9, \$25/\$15

Righteous Brothers, July 12, \$27.50/\$17.50

Victor Borge, July 16, \$27.50/\$15

Marky Mark & the Funky Bunch, July 18, \$25/\$15

Laser spectacular with the DSO, July 24-25, \$22.50/\$12.50

George Benson, July 29, \$25/\$15

Santana, July 30, \$27.50/\$17.50

Seals & Crofts and Little River Band, July 31, \$25/\$15

Mitzi Gaynor, August 5, \$27.50/\$15

Everly Brothers and Dion, August 6, \$22.50/\$15

Kenny Rogers, August 7, \$32.50/\$17.50

George Thorogood and the Destroyers, August 13, \$25/\$15

Highwaymen: Willie Nelson, Johnny Cash, Kris Kristofferson and Waylon Jennings, August 18, \$27.50/\$17.50

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