



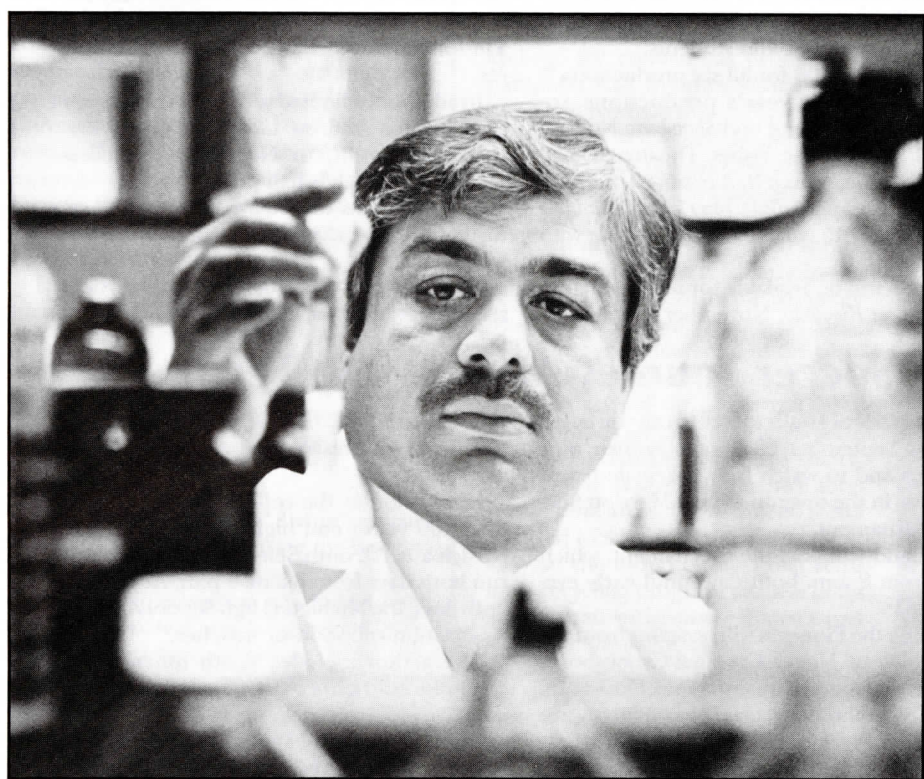
# OAKLAND UNIVERSITY

## News

A publication for faculty and staff

September 21, 1990

104 North Foundation Hall  
Rochester, MI 48309-4401



Satish Walia of the Department of Biological Sciences hopes to use microbes to eliminate dangerous PCBs from the environment.

### Environmental Cleanup of PCBs Could Start in the Test Tube

Safe and efficient use of microbes to degrade PCBs and other toxic chemicals at the problem site is the goal of some university scientists.

The researchers are also investigating the danger that these microbes may create genotoxic compounds that could pass genetic defects on to future generations of animals and humans.

Professor Satish K. Walia of the Department of Biological Sciences has received a three-year competitive renewal grant of \$348,000 from the Environmental Protection Agency to carry out his work.

Walia says his current grant is for continued study of the structural organization and regulation of PCB-degrading genes in bacteria.

The scientist has already cloned the four genes necessary to degrade PCBs. Walia and post-doctoral researcher Ashraf Kahn have also constructed gene probes that can be used in the field to monitor and detect mi-

crobial activity. Walia's lab is the only one to be successful in constructing and using gene probes in this way.

In addition, Frank Butterworth, also of biological sciences, is collaborating with Walia. The researchers use Butterworth's work on the *Drosophila* insect as a model system for testing the genotoxicity of toxic pollutants and bacterial metabolites.

The researchers are concerned with the possibility that as bacteria metabolize PCBs, oil or other potentially toxic materials, some of the intermediate compounds could also prove dangerous.

Oakland scientists say the EPA is interested in this process because a major current method of handling some toxic areas is bioremediation. This involves using naturally occurring bacteria in the area and stimulating them, or increasing their numbers to do a quicker, more efficient job of degrading the toxic pollutant.▼

— By Jim Llewellyn

### Commencement: Rewarding and Awarding

Four professors will be honored for teaching excellence and a fifth for research achievements at commencement exercises September 23.

Also cited at the 2 p.m. exercises in Baldwin Pavilion will be winners of the Undergraduate Achievement Awards and the annual Distinguished Alumni Service Award.

The following faculty members will receive \$2,500 each in recognition of their teaching excellence: Jane Bingham, School of Human and Educational Services; Ka C. Cheok, School of Engineering and Computer Science; W. Dorsey Hammond, School of Human and Educational Services; and Keith Stanovich, psychology. The funds are provided by the state.

Winner of \$2,500 for research excellence is Michael Sevilla, chemistry. The award is provided by the Oakland University Foundation.

Special allocations from the All-University Fund Drive will honor outstanding undergraduate achievement. Denise Gruz will receive \$500 in recognition of her work as an

American Studies intern at Henry Ford Museum. Her work "added a significant dimension to displays on American invention that will enrich our Michigan community," university judges said.

Seven students will earn \$100 each for their work in researching a collection of 19th and early 20th century photographs for a major Meadow Brook Art Gallery exhibition on photography's beginnings. The student winners are Eileen Binder, Margot Chobanian, Andrea Gietzen, Barbara Hallman, Julia Halpin, Margaret Hawkins and Janet Somerlott.

Fran Amos, class of 1980, will receive a plaque as winner of the 1990 Distinguished Alumni Service Award. Amos and her husband Ed are members of the university President's Club. Following graduation, Amos was instrumental in helping re-establish the alumni affiliate in the School of Business Administration, and she went on to serve that affiliate and the Board of Directors of the Alumni Association. Amos was vice president of the board for two terms.▼

### Meadow Brooks Celebrate Anniversary with Benefit Party

Come on back Betty, Tom, Aunt Rosie and Cousin Ferdinand.

Meadow Brook Theatre has a special opening night reception planned for you and its many admirers to celebrate its 25th season. While you're at it, invite the rest of the nearly three million theatre-goers who have taken their seats inside Meadow Brook during the past 24 years.

This silver anniversary season at Meadow Brook opens with a benefit performance of *Cabaret* on October 3. Also marking its 25th

anniversary is Meadow Brook Art Gallery, which presents a historical look at the theatre for its first exhibition.

The joint theatre and gallery celebration begins at 6:30 p.m. with a reception and buffet supper in the lower lobby and theatre courtyard of Wilson Hall. Desserts and gourmet coffees will be served in the art gallery for guests viewing *A Retrospective: 25 Years of Meadow Brook Theatre Stage and Costume Design*. The play will follow at 8:30 p.m.

Terence Kilburn, theatre artistic director for 20 years, and Kiichi Usui, gallery founding curator, will be honored. Hosting the event will be President Joseph E. Champagne and his wife, Emilie. Honorary chairpersons for the event will be Mr. and Mrs. Richard E. Dauch, Mr. and Mrs. James B. Fitzpatrick and Mr. and Mrs. William H. Morgan.

Tickets for the reception and play are \$75 each, \$45 of which is tax-deductible. They may be obtained by calling 370-3316 by September 26.

If you can't make it to the opening night celebration, *Cabaret* will have a regular run from October 4-28. Carl Shurr, who directed a critically acclaimed production of the show at Buffalo's Studio Arena, will direct the Meadow Brook performances. Donna Kane, who starred on Broadway this season in *Meet Me in St. Louis*, will head the *Cabaret* cast. Tickets for the play may be obtained from the theatre box office at 370-3300.

Included in the programs for all *Cabaret* performances will be a special commemorative section outlining the history of the theatre and gallery.▼

### Video Conference Looks at Racial Issues

Oakland will participate in a national discussion of racial harassment and intimidation during a videoconference on October 5.

The National Association of Student Personnel Administrators is sponsoring the videoconference. Oakland faculty, staff and students may participate from 1-3 p.m. in the Instructional Technology Center, 117 Varner.

Presenters for *Campus Responses to Racial Harassment and Intimidation* will be Dudley Woodard, Jr., vice president for student affairs at the University of Arizona, and a former Oakland administrator; Robert M. O'Neil, president of the University of Virginia; Blandina Cardenas Ramirez, director of the Office of Minority Concerns for the American Council on Education; and Beverly E. Ledbetter, vice president and general counsel for Brown University.

Open for discussion will be such topics as building a sense of community for all university residents, the balance between "fighting words" and the First Amendment, the implications for victims of intimidation, successful strategies for dealing with the problems and how campuses can begin the dialogue to improve race relations.

Attendance is free, but reservations at 370-3352 are requested due to limited seating. Oakland's sponsors for the videoconference are the Office of Equal Opportunity, the Office of Student Life, the Office of Student Affairs and the ITC.▼



### Nobel Prize Winner Visits

Professor Virinder Moudgil introduces Nobel-laureate Rosalyn Yalow to guests during a reception that preceded the annual Sigma Xi dinner. Yalow was guest of honor, giving a speech about radiation and society. She was awarded the Nobel Prize in 1977 for developing the radioimmunoassay. Her invention is used worldwide to measure substances in the blood. Moudgil, a longtime personal friend of Yalow, says her radioimmunoassay is extremely sensitive. He says its detection capabilities are similar to a person putting a teaspoon of sugar in a swimming pool and then diving in and being able to taste the sugar.

## SHES Conference to Study the Concept of 'Whole Language'

The university will host a conference for teachers, principals and curriculum coordinators on the growing popularity of "whole language" classrooms.

Participants may attend one or both sessions, October 16 and February 26. Both will run from 9 a.m.-3 p.m. in the Oakland Center.

The conference is sponsored by the Office of School and Field Services of the School of Human and Educational Services.

Sponsors say *Instructional Dimensions of a Whole Language Classroom* will explore these whole language concepts:

- Language, whether oral or written, is best learned in meaningful social contexts.
- Language arts must be integrated, particularly reading and writing instruction.
- Language is acquired and refined through meaningful use and practice.
- Language is easiest to learn when it is whole rather than fragmented or isolated.

Methodology should focus on the language and experience of the learner.

Guest lecturers for the October 16 program will be OU faculty members W.D. Hammond and R.E. Cramer. Both are authors of books concerning children's literature and spelling.

The October 16 sessions will look at *Teaching Strategies/Skills in a Whole Language Classroom*. The February 26 session will be *Practical Applications of Whole Language*. Sessions

and presenters for the February 26 program will be available later.

Participants will visit whole language classrooms in local school districts as part of the October 16 sessions.

For information, call the Office of School and Field Services, 370-3060. Deadline for the October 16 program is October 8. Registrations for the February 26 session must be in by February 19.▼

## Tickets Available for Michigan Opera

Reduced-price season tickets to the 1990-91 Michigan Opera Theatre are available to Oakland employees and students.

The cost is \$108 for all six productions, a \$168 value. This year's productions are *Rigoletto*, November 4 and *Showboat*, November 18, both at the Fisher Theatre at 6:30 p.m.; *Coppelia*, March 8, *Adriadne Auf Naxos*, April 17, *The Magic Flute*, May 1, and *Madame Butterfly*, May 15, all at Masonic Temple with an 8 p.m. start.

Tickets will be available for individual performances: *Rigoletto*, November 4, *Showboat*,

November 18, and *Madame Butterfly*, May 19, at \$24 for adults, \$23 for senior citizens and \$14 for students. These are regular \$28 tickets.

In addition, a limited number of tickets are available for Andrew Lloyd Webber's *Starlight Express* at 8 p.m. November 6. Tickets are \$16.25, which is half price.

Several blocks will be available for the return of *Les Miserables*, but dates and prices are uncertain.

The tickets are available through Pat Nicolsia, budget director, at 370-2370.▼

## OU Soccer Tourney Attracts Top Teams

Hundreds of youth soccer teams will be on campus September 22-23 to play their own matches and to watch four collegiate teams compete in the seventh annual Marriott Soccer Tournament.

Oakland will host the tournament, which runs from 8 a.m. both days until early evening.

Joining the Pioneers will be teams from the University of North Carolina-Greensboro, East Stroudsburg University and Florida Institute of Technology. Oakland's matches are scheduled for 3 p.m. Saturday against East Stroudsburg and 3 p.m. Sunday against UNC-G.

Again this year the Pioneers are fielding a nationally ranked team. Coach Gary Parsons' squad was ranked 11th in the nation with a 4-0 record entering a September 15-16 tournament in Kentucky. UNC-G was ranked first

at the same time. Trophies for the college teams will be presented at approximately 5 p.m. Sunday.

In addition to the college matches, more than 100 youth and high school teams will participate. A Youth Select Tournament will run both days from 8 a.m.-6 p.m. At 11 a.m. both days, the Michigan High School Athletic Association will sponsor matches.

The action includes youth tournament championship games at 4:45 and 6 p.m. Sunday.

Andy Glantzman, sports information director, says that if you can't be at the matches in person, you can still watch them. Sunday's high school and college matches will be taped and shown later on PASS, the cable TV sports channel. The OU-UNC game will be shown at 7 p.m. October 2 and the Troy game will be on the tube at 1 p.m. October 6.▼

## Research Shows UV Light, Drug Link in Eye Damage

Ultraviolet light has been shown to interact with certain photosensitive drugs to sometimes cause a serious side effect which damages the retina of the eye.

The scientists who have made the finding in a preliminary study are Michael Hartzler of the OU Eye Research Institute and J.D. Bradford, M.D., formerly of OU and William Beaumont Hospital. Dr. Bradford is now in the Department of Ophthalmology at the University of Arkansas.

Bradford and Hartzler have received support from William Beaumont to continue their research.

The researchers say their preliminary study implicates UV light as a possible cause for the development of the pigmentary retinopathies associated with chloroquine, chlorpromazine or thioridazine.

The drugs are among the photosensitizer class, the first being used for such diseases as malaria and lupus, while the last two are often used to treat psychosis.

The scientists note that photosensitive drugs have the ability to absorb light energy, usually in the UV and visible wavelengths, that ultimately may cause cell death.

Both researchers say a side effect sometimes seen with the use of these drugs is pigmentary retinopathy with associated potential severe vision loss.

Bradford and Hartzler explain that "the retina is the part of the eye which allows us to detect light, to have fine visual acuity and to perceive color. The retinal pigment epithelium (RPE) is an important cell layer of the retina which is necessary for keeping other portions of the retina alive and functioning properly."

Damage to the RPE can cause pigmentary changes in the retina and underlying layers of the eye.

"Many studies have been performed to determine the mechanism by which these pigmentary retinopathies occur," the researchers say, "but no single mechanism has adequately explained them."

Now, Bradford and Hartzler have completed a preliminary study showing that RPE cells grown in solutions containing chloroquine, chlorpromazine or thioridazine and also exposed to low levels of UV (366nm) light demonstrate a pronounced toxic effect on the RPE cells as compared with cells grown in the drug alone or cells exposed to the low level of light alone.▼

— By Jim Llewellyn

## Our People

Send brief items about your achievements to the News Service, 104 NFH. Items run as space allows.

### PRESENTATIONS

FRANK SCHIEBER, psychology, prepared an invited address, *Sensory and Perceptual Considerations in Designing Environments for the Elderly*, for Conference on the Universal Design of Living Environments for an Aging Population. It was sponsored by the American Association of Retired Persons at the Stein Ger-

ontological Institute in Miami. Coauthors were Drs. James Fozard, Sandra Gordon-Salant and James Weiffenbach of the National Institutes of Health.

MIRON STANO, business administration, served on a discussion panel for *Analyzing the Dimensions of the Variations in Practice Style Phenomenon: Prevalence, Cost and Impact on Quality*. It was sponsored by the Greater Detroit Area Health Council.

NAIM A. KHEIR, electrical and systems engineering, organized and moderated a panel discussion on *Computer-Aided Design Software in Control Systems Education and Research*. It was held during the 11th IFAC World Congress in Tallinn, U.S.S.R.

JAMES PAYNE, business administration, spoke on *Third World Defense Spending* at a *Great Decisions* seminar at Cranbrook Schools. He spoke at the Eastern Economics Association meeting in Cincinnati on *Money Growth Volatility and Velocity: Some Further Evidence*. He presented *Defense, Nondefense Expenditures and Inflation: An Empirical Analysis*, at the Midwest Economics Association meeting in Chicago (with Augustin Fosu and Robert Kleiman).

KEITH E. STANOVICH, psychology, delivered the keynote address at the New South Wales Conference on Learning Difficulties. It was held at Sydney University, Australia, and sponsored by the Department of Education of New South Wales. He appeared twice on ABC-N, Australian National Radio, to speak on his research on reading education and reading disability. He presented two papers at the Conference on Resourcefulness in Special Education at the University of New England in Armidale, Australia. He completed his tour of Australia by delivering a paper, *The Cognitive Consequences of Individual Differences in Exposure to Print*, to the Department of Psychology at Macquarie University in Sydney.

AUGUSTIN FOSU, business administration, presented a paper, *Cost of Living and Labor Force Participation of Married Women in Urban Labor Markets*, at the 54th annual meeting of the Midwest Economic Association in Chicago. He also chaired a session on *Poverty, Race and Unemployment*.

HOWARD SPLETE, SHES counseling, led a seminar, *Career Development Competencies in*

*the Schools*, at Colorado State University. He also presented a paper, *Effective Application of Career Information Delivery Systems in Counselor Education Programs*, at the National Occupational Information Conference in Snowbird, Utah.

### PUBLICATIONS

A paper coauthored by FATMA MILLI, engineering and computer science, has been reprinted in a book on database research, *Databases in the '90s*. The book is published by World Scientific Publishing Co. Her paper was *The R<sup>2</sup> Model: Database = Relations + Relationships*.

### HONORS

HARVEY ARNOLD, mathematical sciences,

has been appointed to a two-year term on the American Statistical Association's Committee on Award for an Outstanding Statistical Application. The association is the nation's largest statistical research society. The committee selects the winner of an annual award for the best applied statistics publication.

NAIM A. KHEIR, electrical and systems engineering, has been elected vice president for publications of the Society for Computer Simulation International. The society has two publications, a quarterly transaction and a monthly journal. He has served as the technical editor of the journal for six years.

## Jobs

For information on position openings, call the Employee Relations Department Job Hotline at 370-4500.

- Director of major gifts and planned giving, AP-18, Oakland University Foundation and Office of Development and Alumni Affairs.
- Manager of data-base administration, AP-14, Office of Computer Services.
- Senior programmer analyst, AP-7, Office of Computer Services.
- Computer facilities administrator, AP-8, School of Business Administration.
- Senior data entry operator, C-5, Office of Computer Services.
- Assistant director, AP-6, Upward Bound.
- Admissions adviser, AP-6, Office of Admissions and Scholarships.
- Assistant dean of students (multicultural development), AP-10, Office of Student Life.
- Skilled trades V, AFSCME, Campus Facilities and Operations.

The *Oakland University News* is published every other Friday during the fall and winter semesters and monthly from June-August. Editorial offices are at the News Service, 104 North Foundation Hall, Oakland University, Rochester, MI 48309-4401. The telephone is 370-3180. Copy deadline is noon Friday of the week preceding the publication date.

- James Llewellyn, senior editor and news director
- Jay Jackson, staff writer
- Rick Smith, photographer

## New Faces

Additions to the university staff include the following persons:

- LISA SMITH of Clarkston, clerk-receptionist II in the Department of Placement and Career Services.
- CHIA POH TAI of Pontiac, senior scientific analyst in the Office of Computer Services.
- CHRISTINE WYANT of Royal Oak, accounting clerk III in Meadow Brook Hall.
- LUCY CROMAS of Inlay City, a senior data entry operator in the Office of Computer Services.
- DAWN LIGHTY of Southfield, assistant women's basketball coach and intramural director.
- TANGELA OKHAGBE of Pontiac, a clerk II in the Office of Admissions and Scholarships.
- JEAN E. POKORSKI of Rochester Hills, a medical assistant at the Meadow Brook Health Enhancement Institute.
- NANCY SHADE of Shelby Township, assistant to the director/Kellogg Grant, School of Human and Educational Services.
- DEBORAH WADE of Detroit, business manager of Campus Facilities and Operations.
- DANIEL JAKOBIAK of Troy, work order system coordinator, Campus Facilities and Operations.
- JOAN KAYE of Rochester, a secretary II in the School of Human and Educational Services.
- JEFFREY MARRACCINI of Clarkston, a research administrator II in the Office of Computer Services.

- SHIRLEY MILES of Holly, a clerk II in the Office of Admissions and Scholarships.
- VICKY BILLINGTON of Detroit, a staff writer in University Relations Publications.
- JOANN CANADAY of Detroit, an adviser in the Office of Admissions and Scholarships.
- JEANNE CARTER of Clarkston, a coordinator in the Academic Skills Center.
- RENALD EELLUL of Drayton Plains, a groundskeeper I/custodian I in Campus Facilities and Operations.
- PETER GARCIA of Lincoln Park, a computer operator in the Office of Computer Services.
- MAXINE LEWIS-PERRY of Southfield, director of corporate and foundation programs in the Office of Development and Alumni Affairs.
- CANDICE MCLELLAN of Rochester, an administrative secretary in the School of Engineering and Computer Science.
- MARY MITCHELL of Oak Park, a secretary I in the Department of Rhetoric, Communications and Journalism.
- ARVILLA MOON of Novi, a program specialist in the Ken Morris Center for the Study of Labor and Work.
- PRINCE MOON of Novi, a program specialist in the Ken Morris Center for the Study of Labor and Work.
- SHAWN PERALTA of Sterling Heights, financial systems administrator/chief accountant in the Accounting Office.

## Quote

"It's one of the tragic ironies of the theatre that only one man in it can count on steady work — the night watchman."

— Tallulah Bankhead

## Bits & Pieces

### Golf Course Under Study

A second 18-hole golf course for Oakland may be on the horizon.

The horizon, in fact, is just across Adams Road from the present Katke-Cousins Golf Course. University officials are mulling the possibility of a second course to be built on university property at Adams and Avon roads. The U-shaped, undeveloped land extends east from the Adams-Avon intersection, then cuts north behind the faculty subdivision, and then heads west until it reaches Adams again.

If a new course is built, it will be strictly with donated funds, officials say. No general fund money would be diverted to a new course. Already donors have expressed an interest in funding such a project for the university, but not all of the needed funds have been identified yet.

### Anibal Fills Up Fast

The Anibal "wellness" living environment quickly filled up during the first two weeks of the academic year.

Remaining vacancies, which had been held for men, will now be occupied by female students instead because of demand.

Jean Ann Miller, assistant director for student development in the residence halls, says an informal open house will be held from 4-6:30 p.m. September 24.

### Think About Your Deposit

Employees who want to skip the monthly ritual of depositing their payroll check in person should look into direct deposit.

Barbara Gaves, payroll manager, says monthly paychecks may be deposited directly into checking or savings accounts through an electronic transfer of funds. All area banks, the OU Branch of the Michigan State University Federal Credit Union and Merrill Lynch participate in the program. The program eliminates the possibility of the check being lost or stolen.

Enrollment forms are available at the Payroll Office, 114 NFH. The deadline for enrolling or making changes is the 15th of each month, except November and December when special deadlines are announced.

Monthly paid employees who last names begin with A-K may direct questions to Marlene York, 370-3472. Employees L-Z may call Linda VanNatta, 370-3473.

### Video Conference Popular

The Division of Continuing Education hosted 115 persons from business and industry at its videoconference, *Total Quality: The Malcolm Baldrige Award Approach to Quality Management*.

Moderating was a Baldrige Award examiner, Jack M. Bourget, president of Manpower of Detroit, Inc., of Southfield, and former vice president of quality for Allied Signal. Bourget has taught in the School of Business Administration. Ted Climo of Xerox Corp. also responded to participants' questions.

Participants came from Ford Motor Co., Chrysler Corp., General Motors, Saturn Corp., Volkswagen, EDS, Arthur Anderson & Co., GKN Automotive, General Dynamics, ITT, Detroit Edison, Michigan Bell, Ameritech, Michigan Department of Commerce, Steelcase, Unisys, TRW, Voplex Corp. and various small- and medium-size manufacturing and service organizations.

Kathy Rowley of continuing education was program manager.

### Toastmasters Want You

Members of Academic Edge, the campus Toastmasters chapter, are scouting for new members.

Sheila Carpenter, AE president, said her group and members of a Rochester Toastmasters Club participated in the third annual Community Resource Expo at Rochester High School. They explained the role of the nonprofit organization in achieving excellence through communication and leadership skills. To join, call 370-3184.

# One Person's Trash is Another's Gold

The spirit of Earth Day lives on campus.

In the residence halls, students have begun a recycling program of their own. Kathy Terbrack, vice president of the Residence Halls Council, spearheaded the voluntary campaign.

"The idea was brought up to the Residence Halls Council by one of the building house councils. They wanted to start recycling," Terbrack was environmental chairperson and took on the responsibility of organizing a recycling campaign.

To get students thinking about recycling, the council has produced a pamphlet that outlines what can be done and the benefits.

Students are asked to sort their trash and place all recyclable materials in special bins. The bins are in the incinerator rooms on each floor.

Reaction so far is good, Terbrack says, although since it is early in the school year, it is difficult to gauge whether interest will continue.

The program has been in the planning stages for some time. "It was brought up before Christmas 1989 and I started looking into it. As environmental chairperson, I had weekly meetings with our maintenance foreman, Frank Moss. We discussed it and I started looking into things."

What she found out was that starting a recycling program was less of an administrative nightmare than she had thought it would be. In fact, there were few obstacles. Even Bushman Disposal Service made it simple. The company picks up the recyclables separately, then sorts and sells what it can for its own profit. The separate pickup is not charged to the university.

Getting involved in recycling was an education in itself for the biology major. "I did not know that much about recycling," she says, "as far as how it was done, what can be recycled. After meeting with Bushman's, I thought that it was feasible and it could be done. It was very realistic."

Moss and Terbrack designed the program in cooperation with Eleanor Reynolds, director of Residence Halls.

"We try to target materials that Residence Halls students would use. We wanted to make it simple for them so that they would par-

ticipate. It includes all the typing and computer paper, all their grocery bags, cardboard, glass, juice containers and metals."

Terbrack says there are plans to start promotions and contests to spur interest in recycling. She hopes students will see the value of recycling as a community-wide issue. If it's recycled, she notes, then it isn't buried in an Oakland County landfill.

Terbrack has no grand designs for a "today the residence halls, tomorrow the university" campaign. Although she'd like to see campus-wide recycling, the students will concentrate on their own area for now. "I'd like to see the residence halls program be successful before we take on something larger."

The program in the residence halls is independent of the campus-wide Recycling Task Force that Professor Paul Tomboulion, chemistry, coordinates. "He hoped that if we could get it started in smaller areas of the university, then maybe we could bring it together somehow in the end," she says.

Tomboulion says his *ad hoc* task force still meets periodically. The fact that it is not a university-sponsored group slows its work, however, since all members are volunteers who lack any authority to carry out proposals. That does not reflect a lack of sincere interest on their part, however.

"I've had offers from a number of different people, each trying to do a little piece in a different area, but there's no organized effort to pull off a campus-wide movement in any one direction."

Tomboulion lauds Terbrack's efforts at making the first move and hopes that others will follow suit. Already, University Student Congress is talking about a recycling program in the Oakland Center.

Tomboulion, who is active in several community groups that are concerned with natural resources, says one of the easiest ways to begin a recycling program is to save white paper. The demand is great for it.

"These are just little bits and pieces,"

Tomboulion says of the efforts.

Tomboulion would like to call another task force meeting for October. Anyone — students, faculty or staff — may attend. Interested persons should call Tomboulion at 370-2324 for details.

Although the task force has not met regularly, Tomboulion says, it does not mean the desire to save resources has faded. "It's not dead, it's just not moving very fast."▼



Kathy Terbrack deposits a load of recyclable trash in a specially marked barrel.

## Cutting Back on Energy Use Has Quick Cash Payoff

Energy savings for the university are like money in the bank.

In fact, the return on dollars spent for conservation devices is immediate. Rick Perhai, energy manager in Campus Facilities and Operations, estimates that if all reasonable measures were taken to save energy on campus, approximately 25 percent of the \$2.2 million spent last year on utilities could be saved.

That's just in dollar savings. Not counted are the savings in natural resources that benefit society.

"Utilities is one of the areas where we can cut some fat on wasted energy and still provide acceptable environmental conditions for the mission of the university," says Perhai, who came to Oakland six months ago from the University of Texas at Dallas.

Lights and heat are the big ticket items in the university's utilities budget. Perhai says the university has spent thousands of dollars already to install energy-saving devices. The payoff comes quickly: Last year the university spent \$300,000 less than was budgeted for utilities.

Savings come from installing more efficient reflectors in fluorescent lighting fixtures, using electronic ballasts with those lights, installing occupancy sensors to turn off lights when no one is in the room, and upgrading air-handling equipment for efficient ventilation. An air exchanger in South Foundation Hall cost \$22,000 but will save \$5,000 a year in natural gas bills, Perhai says.

"Spend some now, get a lot back in years to come," he philosophizes.

Excessive lighting is one budget killer. "A lot of times we leave lights on in rooms, thinking someone else is coming in right away, when in fact that room may not be used for another two or three hours."

That brings up a persistent myth, that it's cheaper to leave fluorescent lights on than to switch them off and restart them. "In the past," Perhai explains, "the light tubes had little starters on them. Those used a lot of energy, and we had to consider the energy consumption of the starter device. We no

longer have those starters, and in particular with the electronic ballasts, the argument is not valid at all. If you're going to be out of your office for 10 or 15 minutes or more, go ahead and turn the lights off."

New fixtures with better reflectors cost \$60,000 for North and South Foundation and Lepley Sports Center. However, Perhai says, they will save about \$24,000 a year in electricity.

So why not convert all fixtures? Perhai answers that, in many cases, rewiring and other necessary modifications would wipe out the savings.

Although his CFO office looks for ways to save energy, Perhai says, employees should not forget their role.

"Some of the simplest things people can

do are to turn off unnecessary lights, particularly on hot summer days.

"If they have 'task lighting,' they can just turn that light on at their desk, rather than have 12 fluorescent lights on. If you have one 100-watt lamp at your desk, versus say six fluorescent tubes of 35 watts each, that's 210 watts, or a savings of 110 watts."

Perhai says a simple way to save energy without running over to the thermostat is to use your curtains or blinds. "I did a little experiment and shut the shades in a corner office of O'Dowd Hall. Within one minute on my digital thermometer, I saw a 2-degree temperature drop, and the sensor was not being hit by the sun."

Perhai says he welcomes suggestions from employees and is happy to field questions.▼



Nainan Desai, left, director of plant engineering and facilities planning, and Rick Perhai, energy manager, look over some of the plans for decreasing energy consumption.

## University Loses Droll Wit of Professor Susskind

Norman Susskind had a reputation as a fighter.

Most notably, it was Dr. Susskind's determination not to let multiple sclerosis slow him down that inspired his colleagues and students. That disease may have won out physically, but those who knew him well know that Dr. Susskind's wit and sharp mind were never diminished.

Dr. Susskind, 61, died September 4 following a 30-year career with Oakland. The professor of French fought the disease and maintained his independence as long as he could. He drove to work alone in a specially equipped car, then got onto a motorized cart and went to his Wilson Hall office or to class.

Last January he decided the struggle was too much and gave up his teaching assignments.

Dr. Susskind got the final humorous word in about himself by preparing his own obituary. It read:

"Susskind, Norman. Revered professor, incomparable husband, superb father, valued and trusted friend to multitudes, erstwhile competent musician and physical paragon, irrepressible wit, and author of his own obituary. At the underripe age of 61, survived by everybody living."

Once, when asked what publications would be interested in receiving news about his activities, he wrote on his biographical

form, "The Guinness Book of Uninteresting Stuff."

Dr. Susskind held a bachelor's degree from Adelphi University and a doctorate from Yale University. He taught at Ohio State University before joining the Oakland faculty. He was author of several articles, but his most notable publication was *The French Correction*, a book on French grammar published in 1984 by Yale University Press.

Friends are invited to attend a memorial service at 10 a.m. September 22 in 201 Dodge Hall. Contributions in his memory may be made to the Detroit Chapter of the National Multiple Sclerosis Society, 26111 Evergreen, Suite 100, Southfield, 48076.▼

## Retired Ford Executive to Speak at SBA Business Forum

The retired chairman of Ford Motor Co. will provide a *Survival Kit for Business in the 21st Century* at the fifth annual Business Forum on October 8.

Donald E. Petersen will speak at noon in the Shotwell-Gustafson Pavilion. The forum

is sponsored by the SBA Student Board in cooperation with Ameritech Publishing, Inc.

Petersen is a former chairman of the board and chief executive officer at Ford, where he served for more than 40 years before retiring in March of this year.

The guest speaker is a member of the Busi-

ness Council, the Council on Competitiveness, the Chase International Advisory Council, the Business-Higher Education Forum, the Society of Automotive Engineers and the Engineering Society of Detroit.

The SBA Student Board represents Alpha Kappa Psi Fraternity, the American Marketing Association, the American Production and Inventory Control Society and the MBA Association.

Tickets are \$30 a person. A table of 10 is discounted at \$275. Reservations are requested by September 26. For information, call 370-4090.▼

## WOU Scholarship Fund Nears Goal

A \$3,500 contribution to the Critical Difference Scholarship Fund has brought the Women of Oakland University a step closer to its \$10,000 goal for the fund.

The organization awards a \$500 scholarship to a single head of household. The second award, for the fall and winter semesters of this academic year, has been made to Phyllis R. Gardner. She is a student in the School of Human and Educational Services who plans to become a teacher. Gardner was introduced to the WOU membership at its fall fashion show on September 18.

The latest contribution to the fund was made in memory of the late Diane L.S. Anderson of Tucson, Ariz., by her husband Charles and friends.

Anyone wishing to contribute to the scholarship fund may call the Gift Accounting Office, 370-2865, for details.▼

## Employee of the Month

Karen Welker, administrative secretary in the Department of Public Safety and Police, has been named Employee of the Month for September.

Welker began her employment at Oakland as a "casual employee" in the Department of Biological Sciences in April 1984. Her success in that position led to full-time employment in the Department of Placement and Career Services as a secretary II in June 1984. She later transferred with a promotion as an administrative secretary in engineering, and in September 1986 moved to public safety.

The selection committee based its decision, in part, on such nominating statements as:

- "The person filling the position of administrative secretary for public safety is often

required to wear many hats. As in Karen's case, besides being the administrative secretary, she is often a mother, counselor, adviser, peacemaker, mediator and good listener."

- "Karen's personality and human relationship skills make her a pro at the many hats she wears. Without her ability to wear these many hats, the department would often be chaos with morale at low ebb."

- "She is an excellent team builder. Karen's abilities as an administrative secretary for the department are outstanding. Her managerial skills are invaluable to the success of the department. Once again, her interpersonal relationship skills are supreme in her dealings with the law enforcement community, the general public and the university community."

Welker is also enrolled at Oakland during her free time.

Employee Recognition Award nomination forms are available in all departments, ERD and CIPO. For information, call Victoria Blackmon or Gail Ryckman at 370-3480.



Welker

The following *Microcomputer Software Regulations and Conflict-of-Interest Policy* are published annually to acquaint employees with their provisions. The *Conflict-of-Interest Policy* was approved by the OU Board of Trustees on Nov. 18, 1981.

### Microcomputer Software Regulations

The university is licensed to use numerous microcomputer software programs for its various units. The university enters into a license agreement with the owner of each program pursuant to which the university and its employees assume certain legally binding obligations.

Licensed software is intended for the use specifically authorized in such agreements and remains the intellectual property of the owner and is protected by copyright.

All employees and users of licensed software shall use the software only in accordance with the license agreement. There is no authority for an employee to violate the terms of a license agreement. To transfer possession of any copy, modification or merged portion of any licensed program, whether gratuitously or for gain, shall be deemed to be in violation of these regulations and is prohibited by Oakland University. Such conduct may also violate state and federal law.

Employees who make, acquire, or use unauthorized copies of computer software or otherwise violate these regulations shall be subject to discipline in accordance with university policy and may also be subject to personal liability.

The responsibility for complying with these regulations rests with each employee. Employees shall report any violations to their unit supervisors. Unit supervisors shall report violators for appropriate discipline.

### Conflict-of-Interest Policy Introduction

As a public trust, Oakland University must strive to insure that all transactions in which it is involved are in the public interest. Toward that end, it is proposed that the Board of Trustees approve the Conflict-of-Interest Policy statement set forth below.

### Recommendation

#### Conflict-of-Interest Policy 1. Preamble

All employees, consultants and members of the Board of Trustees (hereafter "Trustees") of Oakland University serve a public-interest role and must conduct all affairs of the university in a manner consistent with this concept. Decisions are to be made solely to promote the best interests of the university and the public good rather than to serve a personal interest.

This policy is designed to foster high ethical standards of performance by insuring that actual or apparent conflict-of-interest situations are avoided.

Nothing in this policy shall be considered to conflict with applicable State laws governing the conduct of public officers and public employees.

#### Definitions

A. Employee: As used hereafter, the term "employee" means and employee, regardless of classification or rank or a consultant to the university.

B. Financial interest: "Financial interest" means any interest, direct or indirect, in the financial success or failure of an organization or company with whom the university does business, regardless of how such interest was acquired. A "financial interest" includes owning stocks or bonds; being a partner or employee or creditor; or any other arrangement that results in an interest in or claim upon the assets or income of the company or organization.

Excluded are immaterial interests, that is, interests of such a general or insignificant nature that university transactions with the organization or company will not result in direct benefit to the individual. A "financial interest" includes any interest of the employee, Trustee, or employee or Trustee spouse; and any interest of those who are related to any of the foregoing as parents, children or siblings.

C. Gift: A gift means anything of value except as excluded below. A gift may be in the form of money, goods, entertainment services, price concessions not available to all employees or to the public, use of property or facilities, loans (except loans upon normal terms from a lending institution) or in any other form. Specifically excluded from the term "gift" are nominal advertising items or promotional materials of token value, or food consumed at a business meeting.

#### III. Statement of Policy

University employees and members of the Board of Trustees (hereafter "Trustees") should not have a personal financial interest in transactions with the university. Recognizing, however, that such interests will be on occasion unavoidable, there should be full disclosure of any such interest in advance of university action, and special approval of the transaction is required as set forth herein to insure that university welfare is the paramount consideration. The specific terms of this policy are to be interpreted in light of the broad objectives set forth in the preamble.

A. No employee or Trustee shall recommend or determine to enter into a transaction on behalf of the university when such transaction involves an organization in which the employee has a financial interest unless the provisions of Article IV are met in advance. If there is any question about whether this prohibition III A should apply, the provisions of Article IV must be followed.

B. The university shall not enter into any transaction for the purchase of any item or service (other than on employment or consulting contract) with any employee, Trustee, or employee or Trustee spouse or with anyone who is related to any of the foregoing as parent, child, or sibling.

C. Acceptance by an employee or a Trustee of a gift from an individual or organization that engages in commercial transactions with the university is prohibited. If a gift is received, it must be returned unless an acceptable statement is filed with the university president (or the Board of Trustees Audit and Finance Committee in the case of the president or a Trustee) describing the gift and

justifying its retention in terms of the university's best interests.

D. An employee or Trustee must inform the university of any outside interest, consulting service, or other relationship that might interfere with her/his internal duties or raise a question of conflict-of-interest in cases in which an employee's outside relationship substantially interferes with the employee's ability to carry out her/his job responsibilities and/or act in the university's best interests, the employee must either end the outside relationship or sever employment with the university.

E. A Trustee must abstain from voting on any matter when to do so would place or appear to place the Trustee in a conflict of interest situation. The minutes of Board meetings shall record such abstentions.

#### IV. Exceptions to this Policy

A. No employee or Trustee of the university shall have the authority to authorize, approve, ratify, or confirm any transaction which is an exception to this policy, except as provided below.

B. The president of the university or his designee may approve exceptions to this policy which involve university employees. Any such designation shall be made in writing. Exceptions involving the president or a Trustee may be approved by the Audit and Finance Committee of the Board of Trustees. Any approved exceptions to this policy must be made in writing and the reasons therefore must be documented.

C. Approval of an exception shall be based upon a finding that the transaction is fair, reasonable, and in the best interests of the university.

#### V. Role of the Purchasing Department

The Purchasing Department is empowered to delay the processing of any requisition that appears to be in violation of this policy in order to investigate the circumstances surrounding the proposed transaction. If, following investigation, the transaction still appears to be a violation, the matter will be referred to the Vice President for Finance and Administration.

Any purchase order or contract issued by the university is subject to cancellation if any university employee involved has a relationship or history of activity with the vendor that is violative of this policy. All purchase orders and contracts shall contain a clause to this effect.

#### VI. Policy Dissemination

The university will communicate this policy to Trustees and the campus community at the time of its adoption and at least annually thereafter. The policy shall be included in the university *Administrative Policies and Procedures Manual*.

Mr. Robert McGarry, Vice President for Finance and Administration, has been designated by President Champagne to handle employee requests for exceptions to this Policy. Employees who are interested in seeking exception should contact him. In the case of members of the Board of Trustees, written contact should be made with the Board Secretary, who will transmit exception requests to the Finance and Personnel Committee of the Board.

## Events

### CULTURAL

September 21-23 — Play, *for colored girls who have considered suicide/when the rainbow is enuff*, Varner Studio Theatre. Admission. Sponsored by the Association of Black Students in conjunction with the Department of Music, Theatre and Dance. Call 370-3013.

October 3 — Meadow Brook Theatre and Art Gallery 25th anniversary celebration, 6:30 p.m. reception and 8:30 performance of *Cabaret*. Reservations required by September 26. Call 370-3316.

October 4-28 — Play, *Cabaret*, Meadow Brook Theatre. Times vary. Admission. Call 370-3300.

October 4-7 — Play, *Steel Magnolias*, Varner Studio Theatre. A Varner Laboratory Theatre project sponsored by the Department of Music, Theatre and Dance. Admission. Call 370-3013.

October 3-November 11 — Exhibition, *A Retrospective: 25 Years of Meadow Brook Theatre Stage and Costume Design*. Hours vary. Free. Call 370-3005.

### ETCETERA

September 22 — Alumni Health and Fitness Day, 9 a.m.-4 p.m., Meadow Brook Health Enhancement Institute. Admission. Sponsored by Alumni Association. Call 370-2158.

September 23 — Fall commencement, 2 p.m., Baldwin Pavilion. Call 370-2190.

September 23 — MetroHillel apple picking at Blake's Orchard in Romeo, 1:30-4:30 p.m. Meet at Oakland Center north entrance. Call 370-4257 or 443-0424.

September 24 — Workshop, *Mock Interviews*, noon-1:30 p.m., Oakland Center Gold Room C. Free. Sponsored by Department of Placement and Career Services. Call 370-3250.

September 25 — Meeting and discussion, *A Fish Story: The Story of Jonah*, with Rabbi Eli Finkelman, noon, 125 Oakland Center. Sponsored by Jewish Students Organization/Hillel. Call 370-4257 or 443-0424.

September 26 — Discussion, *When Do You Cross the Line? Stereotyping of Gays, Arabs and Others in the Film and Entertainment Industry*, with Lewis Beale of the *Detroit Free Press*, noon, Oakland Center Fireside Lounge. Sponsored by Jewish Students Organization/Hillel. Call 370-4257 or 443-0424.

September 26 — Seminar, *Job Search Techniques*, 5:30-7 p.m., Oakland Center Gold Room C. Free. Sponsored by Department of Placement and Career Services. Call 370-3250.

September 29-30 — Eighth annual Michigan Civil War Collectors Show, 9 a.m.-4 p.m. Saturday and 9 a.m.-3 p.m. Sunday, Oakland Center. Admission.

October 1 — Workshop, *Dress for Success*, noon-1:30 p.m., Oakland Center Gold Rooms A-C. Free. Sponsored by Department of Placement and Career Services. Call 370-3250.

October 1 — TeleFund '90 begins, 6-9 p.m., John Dodge House. Call 370-2158 to volunteer.

October 1 — Workshop, *Mock Interviews*, 3-4:30 p.m., Oakland Center Gold Room A. Free. Sponsored by Department of Placement and Career Services. Call 370-3250.

October 1 — Seminar, *Educational Registration/Credential File Information*, 5:30-7 p.m., Oakland Center Gold Rooms A-C. Free. Sponsored by Department of Placement and Career Services. Call 370-3250.

October 3 — Videoconference, *Computer Graphics*, 11:30 a.m.-4 p.m., Varner Recital Hall. Admission (reduced for faculty and staff). Sponsored by Division of Continuing Education and the School of Engineering and Computer Science. Call 370-3120.

October 3 — Five-week seminar begins, *When Women Love Too Much*, 7:30-9 p.m., 125 Oakland Center. Admission. Sponsored by Continuum Center. Call 370-3033.

October 3 — Four-week seminar begins, *Career Building*, 7-10 p.m., Oakland Center. Admission. Sponsored by Continuum Center. Call 370-3033.

October 4 — Seminar, *Women at the Podium*, 9 a.m.-4 p.m., 126-127 Oakland Center. Admission. Sponsored by Continuum Center. Call 370-3033.

October 5 — Videoconference, *Campus Responses to Racial Harassment and Intimidation*, 1-3 p.m., Instructional Technology Center. Free, but reserve seat by calling 370-3352.

October 8 — Business Forum with Donald Petersen, noon, Shotwell-Gustafson Pavilion. Admission. Sponsored by School of Business Administration Student Board. Call 370-3286.

October 9 — Seminar, *Eliminating Self-Defeating Behavior*, 7-10 p.m., 126-127 Oakland Center. Admission. Sponsored by Continuum Center. Call 370-3033.

October 11 — Seminar, *How to Hire the Best*, 8:30 a.m.-3:30 p.m., 126-127 Oakland Center. Admission. Sponsored by Continuum Center. Call 370-3033.

October 11 — Seminar, *Trauma and Loss in Children*, 7-10 p.m., 126-127 Oakland Center. Admission. Sponsored by Continuum Center. Call 370-3033.

October 12 — Seminar, *Verbal Communication*, 9 a.m.-4 p.m., 110 O'Dowd. Admission. Sponsored by Continuum Center. Call 370-3120.

October 17 — School of Engineering and Computer Science Career Day, 11 a.m.-4 p.m., Oakland Center. Free. Call 370-3158 or 370-2217.

October 18 — *Enigma of Genesis* lecture with Lillian Bauder, 7-9 p.m., Meadow Brook Hall ballroom. Admission. Sponsored by the Division of Continuing Education. Call 370-3120.

October 19-20 — 29th annual Writers' Conference, Oakland Center and Meadow Brook Hall. Admission. Sponsored by the Division of Continuing Education. Call 370-3120.

### ATHLETICS

September 22-23 — Marriott Soccer Classic, all day, Pioneer Soccer Field. Admission. Call 370-3190.

September 29 — Soccer with Ohio Wesleyan University, 2 p.m., Pioneer Soccer Field. Free. Call 370-3190.

October 2 — Soccer with Western Michigan University, 3 p.m., Pioneer Soccer Field. Free. Call 370-3190.

October 7 — Ninth annual Rochester Apple Amble road run and fun walk, 9 a.m., Meadow Brook Health Enhancement Institute. Sign up in writing only by September 28 at MBHEI. Fee. Sponsored by OU and numerous community groups. Call 370-2020, 370-3198 or 652-5259.

### FILMS

September 21 and 23 — *House Party*, 7 and 9:30 p.m. Friday and 7 p.m. Sunday in 201 Dodge Hall. Admission. Call 370-4296.

September 28 and 30 — *Total Recall*, 7 and 9:30 p.m. Friday and 7 p.m. Sunday in 201 Dodge Hall. Admission. Call 370-4296.

October 5 and 7 — *Hunt for Red October*, 7 and 9:30 p.m. Friday and 7 p.m. Sunday in 201 Dodge Hall. Admission. Call 370-4296.