

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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University Breaks Ground for Plant Sciences Building

Last week, university officials broke ground for the new \$26.3 million, seven-story Plant Sciences Building that will provide sophisticated research and instructional facilities and house the Departments of Entomology and Horticulture and the Center for Agricultural Biotechnology.

Slated for completion in March 1995, the new Plant Sciences Building will be located on the corner of Regents and Field House Drives, and will become the newest building on Hornbake Plaza in the center of the College Park campus.

In welcoming several dignitaries, faculty, staff, alumni and industry friends in attendance, President William Kirwan noted "it is rewarding to see the land-grant mission of instruction, research and service being fulfilled in this new structure, and by the units it will house. Agriculture and the life sciences are the foundation upon which this university was founded and the commitment to the land-grant mission and these units has never been stronger at College Park."

The seven-story building will have 185,000 square feet of which 102,300 square feet is dedicated to specialized research space, as well as contemporary classrooms, electronic studios, lecture halls, and interactive student-oriented areas.

The first floor of the building will be dedicated to instruction and includes two satellite uplink, teleconferencing rooms with work stations for state-of-the-art technology-aided teaching. There will also be two large

lecture halls, four teaching laboratories, 18 classrooms and a student lounge.

The second floor will house the Department of Horticulture with approximately 23,000 net square footage (n.s.f.) for research and administrative offices. In the adjoining Landscape Architecture Wing there will be four electronic design studios, a construction laboratory and a computer visualization laboratory. Each student will

have 24-hour access to a RISC-based (reduced instruction set computing) computer work station. Each student drawing table will be connected to the campus main-frame, with access to the Internet. The recommended platform will either be the Silicon Graphics Elan work station or the new IBM/Motorola/Apple Power PC. High level output devices, including a large format color plotter and the new Nikon color printer will be made available. Many universities have brought the electronic connection to every student drawing table. The university's program will be the first design-oriented program to supply work stations. Horticulture has additional facilities on the ground level including a bank of state-of-the-art growth chambers



Architectural rendering of the new Plant Sciences Building

for experimental purposes.

Entomology research laboratories and faculty offices take up the entire 15,000 n.s.f. on the 3rd floor with additional research space and administration of 16,000 n.s.f. on the 4th floor.

The fifth and sixth floors, totaling 22,000 n.s.f. will be home to the Center for Agricultural Biotechnology of the Maryland Biotechnology Institute. The floors are composed of research modules, each with a laboratory, lab support room, and office for the use of CAB faculty, as well as several members of the Agronomy Department. The two floors are connected with an open interior stair, a

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Alumnus Leo Van Munching Jr. Gives \$5 Million To Name Building

College of Business and Management alumnus Leo Van Munching Jr. has pledged to give the university \$5 million over the next three years to help defray the construction cost of the new building—now called Van Munching Hall—that houses the business school and the School of Public Affairs. The gift is the largest ever received by the university from a single donor.

Van Munching is the president of Van Munching & Co., Inc., the sole importer of Heineken and Amstel Light beers, which are brewed and bottled in the Netherlands. He graduated from the business school in 1950 and went to work in the company that was started by Leo Van Munching Sr. in 1946. Today Heineken is the nation's leading imported beer.

"This gift is my way of repaying the University of Maryland for the warm welcome and fine education it provided me and many other veterans immediately following the end of World War II," Van Munching said. "I like what the University of Maryland stands for and I think anyone in position to help higher education should do so."

Leo and Peggy Van Munching visited College Park for the first time in over 30 years last May. After a luncheon at the president's home, the couple were given the grand tour of campus by business school Dean William Mayer and President Kirwan. Afterwards, the Van Munchings expressed their desire to make a \$5

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Health Center Sponsors Free Health Fair on August 11

Faculty and staff can receive free health evaluations from 10 a.m. to 5 p.m. at the University Health Center on August 11. Services offered during the Faculty and Staff Health Fair include cholesterol, blood pressure, glaucoma and colon cancer screenings, vision and hearing testing, breast and testicular exams, head and neck massages, stress reduction workshops and information booths. There will also be prizes and refreshments. Call 314-8091 for more information.

University Breaks Ground for New Computer and Space Sciences Building

Golden shovels have been in demand on campus. In addition to the Plant Sciences ceremony on July 12, ground was broken for the new Computer and Space Sciences Building on July 2.

The new building will house much of the Computer Science Center and part of the Department of Meteorology—one of the most intensive users of computing technology on campus.

"This new building will be a nerve center for electronic information for the campus and for the state of Maryland," explains Computer Science Center Director Glen Ricart. "We are creating a rich information environ-

ment for the College Park campus with electronic access to the library, our technical reports, and thousands of pages of information about the campus and the state."

Once completed in 1995, electronic information will be accessible to university scholars, Maryland businesses and citizens over a new Maryland information superhighway through dial-up modems and public library access terminals, says Ricart.

On hand to help celebrate the groundbreaking were President William Kirwan, Ricart, and Richard Herman, Dean of the College of Mathematical and Physical Sciences.

Letter to the Editor

I am writing to make a correction to the article "Business Faculty Make Teaching Evaluations Available to Students" (*OUTLOOK*, June 21, 1993, p. 7). The writer states that student evaluations of courses "have always been privileged information, available only to department chairs, the dean and individual faculty members."

While this may have been the case in the College of Business and Management, it isn't true at the College of Library and Information Services. Course evaluations have been made readily available to CLIS students for more than ten years. Copies of evaluations are on file in the CLIS Library. The evaluation form elicits information about course components, such as text, readings, class sessions, assignments; strong points and areas that need improvement; and the student's overall reaction to the course. Students are encouraged to consult the evaluations as well as other sources of information in planning their programs of study.

Another practice at CLIS is to send copies of the evaluations to adjunct lecturers, who otherwise might not have an opportunity to read the evaluations while the experience of teaching the course is still fresh. Comments from the adjuncts indicate that they appreciate this service.

Student evaluations are valuable in the ongoing process of improving the educational program at CLIS, a task that involves the entire community—administration, faculty, and students.

—Diane Barlow,
assistant dean, CLIS

Engineering Courses on Air

The university's Instructional Television System (ITV) has begun broadcasting engineering courses to two sites in Southern Maryland—the St. Charles Center in Waldorf and the Naval Air Station at Patuxent.

Using sophisticated microwave technology, the university is able to broadcast courses as they are being taught on campus. Students at the two remote locations not only see and hear the instructors at the university, but each has a microphone so that they may talk to the instructors in real time.

The ITV system offers more than 100 academic courses per year, most-

ly upper level undergraduate and graduate courses in engineering and computer science. A remote ITV student can, without coming to College Park, earn a master's degree in electrical engineering, mechanical engineering, reliability engineering, computer science, or engineering management.

Extending the broadcast courses to the two Southern Maryland sites required extending the range of the four channel microwave system of the university to reach the two locations. The project took about nine months to plan and two months to implement.

Plant Sciences Groundbreaking

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(L-R) J. Landon Reeve, Paul Mazzocchi, Rita Colwell, Louis Goldstein, William Kirwan, Arthur Dorman, Steny Hoyer, Donald Langenberg and Robert Walker, participated in the Plant Sciences Building ground breaking.

modern architectural feature to encourage communication among researchers.

The Plant Sciences Building was designed as a joint venture between Ballinger of Philadelphia and Richter, Cornbrooks and Gribble, Inc. of Balti-

more. The \$26.3 million contract was awarded to Chas. H. Tompkins Company of Washington, D.C.

Joining President Kirwan at the groundbreaking ceremony were Donald Langenberg, chancellor of the University of Maryland System; Rita Colwell, president of the Maryland Biotechnology Institute; Robert Walker, secretary of the Maryland Department of Agriculture; J. Landon Reeve IV, a member of the College of Agriculture Dean's Advisory Board and the Horticulture Advisory Council.

Paul Mazzocchi, dean of the College of Life Sciences and interim dean for the College of Agriculture, served as master of ceremonies for the day. He noted that "this new, state-of-the-art, facility will allow the three units housed in it to serve the many-fold needs of our students and the citizens of Maryland. The support of Governor Schaefer and the Maryland legislature in the project is greatly appreciated."

—Gail Yeiser

OUTLOOK

OUTLOOK is the weekly faculty-staff newspaper serving the College Park campus community.

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UNIVERSITY OF MARYLAND AT COLLEGE PARK

Alfresco Dining With Ants

The Third Annual Faculty, Staff and Student Picnic will be held on Friday, September 3, from 11:30 a.m. to 1:30 p.m. on McKeldin Mall. There will be games, activities, prizes and food. For more information, call 405-4402.

Infants Put On "Thinking Caps"

Are children born with personalities? Does extreme inhibition in infants predict emotional problems in adulthood? These are just a few of the questions that Nathan Fox, a pioneer in the field of infant studies, is trying to answer.

Fox, a professor of human development in the College of Education, measures the brain activity and development of infants as young as two days old with an electroencephalogram (EEG) cap designed especially for his biological research into child development.

Using brainwave patterns recorded through the EEG cap, Fox currently is studying brain maturation of

children under one year of age to determine if certain parts of the brain change in synchronicity with the ability to complete certain developmental tasks.

He also is using these brainwave patterns to prove that innate predispositions seen in infants have a physiological basis in the brain.

"What this means is that parents are not solely responsible for their infant's behavior," says Fox.

A Harvard-trained developmental psychologist, Fox's child development expertise is well documented in the more than 50 book chapters and journal articles he has authored. He has addressed numerous audiences,

including the National Institute of Mental Health and the National Institute of Child Health and Development, and has served as a consultant to the U.S. Consumer Product Safety Commission on the safety of infant and child toys and furniture.

—Beth Workman

AT&T Donates Networked Language Instruction Lab

University students and faculty will benefit from an AT&T donation of more than \$100,000 for a networked computer lab to enhance the teaching of foreign languages.

Designed for use as an interactive classroom as well as an individual study facility, the networked, computer-controlled audio/video language lab will be used for process-oriented writing instruction, such as electronic dialogue journals and anonymous peer editing. It will also provide students with the ability to become involved in long-distance collaborative projects via electronic mail.

The university was one of 61 institutions in the U.S. and overseas to receive computer gifts through the AT&T Equipment Donation Program. AT&T is scheduled to install the facility in Jimenez Hall on October 15, and it will likely be ready for use in November.

The lab's pilot project will involve Japanese and French language classes taught by Jim Unger, chair of Hebrew and East Asian Languages, and Celeste Kinginger, assistant professor in French and Italian, both of whom authored the original grant proposal.

"The AT&T lab is being integrated into a comprehensive technology plan for language instruction on campus," says Donna Hamilton, associate dean in Arts & Humanities and chair of the college's Language Technology Task Force. "It's a wonderful facility."

University Hosts National Summer Science Institute

The university is one of four sites nationwide hosting this year's Summer Institute for Middle School Science Teachers from July 11 to 31.

Part of a three-year National Science Foundation (NSF) grant to the National Science Teachers Association (NSTA), the summer institutes are sponsored by NSTA and the Association of Presidential Awardees in Science Teaching (APAST), which includes teachers who have been selected by their states as being exemplary in working with students in science.

The summer institutes, which are also being simultaneously hosted at other sites in Oregon, Indiana, and Massachusetts, involve a university science educator who serves as the institute director, with the actual teaching being done by four presidential award-winning teachers.

While these teachers are selected by their individual states, the award is given to them personally by the President of the United States at a ceremony held annually in Washington, D.C. With such fine teaching leadership, the institutes have become very popular; only 10 percent of 300 applicants receive admission to each three-week institute.

"These are the years that young people begin to make decisions about pursuing science as a career," says David Lockard, the summer institute director who also directs the university's International Clearinghouse on Science and Mathematics Curricular Developments. "I am pleased to see the National Science Foundation recognize this crucial period by helping to produce well-trained middle school science teachers."

University-State Effort Provides Mental Health Services for Elderly

The findings of a state survey on mental health services for elderly people were presented Friday, June 18, during "Where We Are: Where We Need To Be. Coordinating Mental Health Services for Older Persons," an interagency state conference held in Crownsville, Md.

The survey, which was conducted by College Park's Center on Aging, found that understaffing, along with a lack of staff knowledge of and clear responsibility for mental health services to senior citizens, are major barriers to providing these services. One hundred health, mental health, aging and social service professionals across the state completed the survey.

Sponsored by the Maryland Office on Aging the Mental Hygiene

Administration of the Department of Health and Mental Hygiene and the university's Center on Aging, the working conference reviewed survey findings and discussed models of excellence in interagency coordination. It also joined together for working sessions participants from the state's five regions to discuss ways agencies can better coordinate efforts and resources to effectively provide mental health services to Maryland's senior citizens.

"Our hope is that by bringing local agency directors together to discuss the survey findings and the models of coordination we have identified as being most effective, we will see coordination enhanced within each region and each jurisdiction of the

state," said Laura Wilson, director of the Center on Aging.

Only 34 percent of the survey respondents indicated that their agency had a staff person specifically responsible for coordination of mental health services for older persons, and 63 percent said there were no plans to develop such a position. Finances were cited as the most important factor in correcting the situation.

Conference findings and recommendations, including legislative action, will be presented to the state's Interagency Committee on Aging Services in September, 1993.

—Beth Workman

Employee Graduates Work Where They Learn

Besides being proud of these graduation pictures, Kathleen Maroney and Laura Nichols have a lot in common.



Kathleen Maroney with her children Brian, Charlene and Emily (far right).

About 25 years ago, both women stopped their education to get married, begin families and go to work. Though they always intended to finish their degrees, they found the demands of work and eventually being single parents were too difficult to overcome. Until, that is, they began working where they learned.

"It was a conscious decision for me," says Maroney, administrative assistant to University Health Center Director Margaret Bridwell. After several attempts at juggling work and school, "I knew I had to simplify my life by working closer to my education," she says.

In the last three and a half years, Maroney has taken two or three classes a semester at University College until she earned her bachelor's degree in psychology this spring. She also became involved in clerical staff

issues, quit smoking, and often had lunch with her daughter, Emily, one of her three children and a senior marketing major here at College Park.

Last semester, she even survived a dreaded course in statistics, though the "B" she earned kept her from graduating with a perfect 4.0 grade point average.

Nichols, too, had difficulty finishing a degree until she came to work at the university, first in the microbiology department and then in the Women's Studies Program, where she's been the department secretary since 1987.

"Getting my degree was a real challenge," says Nichols, who recalls competing with her kids for the home computer when they all had papers to write. "But my family was very supportive and helped a lot."

In raising four children—the oldest, Shelley, is a junior English major in the Honors Program here—Nichols was naturally attracted to the family studies department where she earned a bachelor's of science degree last spring and was honored as the department's outstanding senior. Her only regret was that in finishing the 53 credits she needed to graduate, her 3.6 grade point average was just seven credits shy of the required 60 to graduate with academic recognition.

Maroney and Nichols are just two of the 109 classified employees who earned degrees from College Park or University College last year. Overall, 136 classified staff, 82 associate staff and 103 faculty took classes at College Park in the spring, according to Rita Rock, coordinator of the Tuition

Remission Program. Rock also estimates that approximately 440 employees use their remission benefits to take classes at University College and other University of Maryland institutions each semester.

For employees thinking about going back to school or starting up, the Counseling Center's Returning Students Program offers a one credit orientation course each semester and sponsors a weekly "Coffee and Conversation" support group on Mondays from 12 to 2 p.m. There's also a special panel discussion at the spring Personnel Practices Conference that features employees who have gone back to school and graduated.

While Maroney and Nichols both acknowledge the supportive environment created by their supervisors and departments, they also know of many classified staff who would return to school if their education were encouraged more.

"Little things like telling employees they can only take classes at lunchtime or shouldn't talk about their classes at work can make the remission benefit difficult to use," says Nichols. "With no pay raise in three years and a longer work week, encouraging someone's education helps morale."

With their own morale sky-high after reaching a long-sought-after goal, both Maroney and Nichols admit they're not exactly sure what's next. Graduate school is a possibility, but now they're enjoying work and the break from classes.

"I feel as if I can do anything now," says Maroney. "I like that."

—John Fritz



Laura Nichols with her children (l-r) Shelley, Catherine, John and James.

UMS Conference Will Address Faculty Roles and Rewards

Faculty and staff from University of Maryland System (UMS) institutions, together with representatives from area community colleges and private institutions, will meet on Thursday, September 2, to discuss faculty roles and rewards—how teaching, research, and community service should be weighed in considerations of promotion and tenure.

The conference, "Faculty Roles and Rewards: Research, Teaching, Service Redefined," to be held at Towson State University Union, will inaugurate in Maryland an important debate that could determine the direction of higher education in the twenty-first century.

The terms of this debate were highlighted in Carnegie Foundation President Ernest Boyer's best-selling 1990 report, *Scholarship Reconsidered: Priorities of the Professoriate*, which questioned the practice of promoting faculty primarily on the basis of

research and publication and advocated more emphasis on teaching and service. It also revealed that a substantial number of faculty, even those at research universities, favored a more equal balance between research and other priorities.

These issues were also the subject of the 1993 annual conference of the American Association for Higher Education (AAHE), underscoring their priority on the nation's higher education agenda. The AAHE is co-sponsoring the Towson Conference with UMS.

The Towson conference aims to offer maximum opportunity for faculty involvement. A keynote speaker (to be announced) will place the issues in historical perspective; then a panel will attempt to lay out the issues of research, teaching, and scholarship at different institutions. Group discussion of these topics will follow, arranged so every participant

will encounter every topic. The conference event will conclude with a wrap-up session which sets goals and recommends an action agenda.

Registration for the conference is \$25, which includes a light breakfast and lunch. A member of the UMS Board of Regents will speak at lunch.

UMS institutions have agreed to sponsor a limited number of representatives from each campus. According to College Park's Associate Provost Bruce Fretz, Academic Affairs has agreed to pay the registration fee for one representative from each department or college. Faculty wishing to attend should contact their department chairs.

Those with expertise on research, teaching, and service issues are needed to serve as panelists, facilitators, recorders, and resource people. To offer your services, please call John Brain at (410) 830-3468.

Who's Who In Development

Reporting to Kathryn Costello, vice president for Institutional Advancement, Bill Lynerd, assistant vice president for Development has overall management responsibility. Senior development officers include Kim Borsavage (Engineering), Nancy Hiles (Public Affairs, Architecture and Behavioral and Social Sciences) and Yolanda Pruitt (Arts and Humanities and Computer, Mathematical and Physical Sciences). Development officers who carry other duties in their respective units are Suzanne Beicken (Music), Rose Ann Fraistat (Concert Society), Mary Holland (Libraries), Frank Quine (Journalism) and Jo Schram (Business and Management). Development directors include Jan George (Annual Giving) Deborah Read (Planned Giving), Tom Hiles, with Assistant Director Fritz Schroeder (Corporate and Foundation Relations), Marc Jaffe (Resource Development), Patty Wang (Stewardship and Donor Relations) and Tim Pula (Annual Fund).

DEVELOPMENT

What Does Development Develop?

Recently, *The Chronicle of Higher Education* cited a study by the National Association of State Budget Officers which reported that since 1989-90, higher education's share of total state expenditures has dropped from 12.2 percent to 11.5 percent.

Amidst this national decline in support for public higher education, many state colleges and universities have become more sophisticated in their attempts to develop non-governmental support.

While the overall levels of giving to major private colleges and universities still exceed that of publics, the Council for Financial Aid to Education recently indicated that donors' views are changing. Among a core group of 114 public and 66 private research universities (termed Research I institutions), CFAE reported an increase of more than 10 percent in support for public universities, compared to just three percent among private universities from FY '91 to FY '92. Twenty years ago, private R1 universities raised \$9 (per student) for every \$1 raised at a public R1 university. In FY'92, privates raised less than \$5.

Here at College Park, total private support in FY '92 was \$18,140,842. Final figures are not available for FY '93, but that total will be surpassed, according to Bill Lynerd, assistant vice president for development.

FY '93 Highlights

- University awarded \$1.3 million by the Howard Hughes Medical Institute to become part of the nation's largest privately-funded effort to support and revitalize undergraduate science education.

- College Park becomes one of nine colleges and universities selected to receive an award in IBM's Total Quality Management University Competition. The \$1.3 million award will be used to accelerate the teaching, research and use of TQM principles.

- College of Journalism awarded a start-up grant of \$200,000 from the Annie E. Casey Foundation to establish the Casey Journalism Center for Children and Families, which will help improve journalistic coverage of issues and public policy related to children.

- A \$400,000 commitment from Jeffrey and Lily Chen, president and vice president, respectively, of General Sciences Corporation, establishes a scholarship fund for outstanding students in physics, earth and space sciences.

- Former Terrapin and current NBA basketball star Walt Williams gives university \$125,000 to establish minority scholarship in the name of his father, Walter Williams, Sr.

"Total private giving has remained fairly constant during the past four years, despite a very tough economy and numerous budget cuts resulting in a considerable reduction in funds available for fund raising purposes," says Lynerd.

With the chief responsibility for generating non-governmental support for the university, the Office of Development works with the president, vice-presidents, deans, faculty and others on campus, to help raise support to meet priorities established by the president and deans.

Lynerd stresses that, as part of the Office of Institutional Advancement (OIA), his office's success is tied to a synergistic relationship with OIA's other units: alumni affairs, public information, university publications and special events.

Within the Office of Development, the staff consists of major gift officers who focus on specific colleges within College Park's campus as well as annual fund, corporate/foundation and planned giving officers who assist with gifts across all college lines. The office also has staff who work on identifying and researching major gift prospects, and who handle the stewardship of gifts and donor relations.

Private gifts to the university are used for many purposes, says Lynerd. In FY '92, for example, of the total cash and "in-kind" gifts made, 15 percent came in for scholarships, 10 percent for restricted endowments, 34 percent for research, 5 percent "in-kind" (such as equipment, art work, books, etc.) and 36 percent for other restricted purposes.

—John Fritz



Bill Lynerd

Campaigns at College Park

- For the overall University of Maryland System Campaign which concludes in December of this year, College Park was asked to raise \$100 million. Currently, the amount raised in pledges and in cash exceeds more than \$120 million.

- The College of Engineering will kick off its Centennial Campaign in September; to date more than \$8 million has been raised.

- Still in the planning stages is a campaign to raise support in connection with the new Center for the Performing Arts which has been approved for construction on College Park's campus. Although parts of the

Center will be named for generous contributors, funds raised will be programmatic since the building costs will be met through other sources.

- Each year, College Park faculty and staff are asked to contribute, financially, to programs here. Although final figures are not yet available, these contributions were running more than 15 percent ahead of last year, despite some challenging economic times. Gifts are made for a wide range of purposes, and are an important demonstration of care and concern for the quality of programs available to our students.

Van Munching Hall

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million contribution to the university.

"This is a remarkable gift from an alumnus who has achieved great success since leaving College Park," says President William Kirwan. "It is extremely gratifying to know that Leo Van Munching holds the university in such high regard for the education he received here. The naming of this facility and the munificence of the gift serves as a reminder to all of us in education of the enormous positive impact we can have on young people in the formative stages of their lives."

"Leo Van Munching is a very straightforward man," Mayer said. "After the campus tour he got right to the point: 'We both know why I'm here, Bill. I want to help the school.' He wanted to do something that would have a long-term benefit for the business school, and agreed with me that the naming gift would cer-

tainly accomplish that objective. He is obviously proud of Maryland, and we are proud to be associated with the Van Munching name."

Van Munching Hall will be dedicated on October 16, 1993 as part of the university's Homecoming Celebration. Many members of the Van Munching clan—which includes eight children and their spouses and children, and Leo's sister Anne Van Munching Wilsey and her family—plan to attend the ceremony. Anne Wilsey graduated from College Park in 1947 with a degree in education.

"I'm a very private person, just ask Peggy," Van Munching said. "I'm not looking for all kinds of applause for making this gift to the university's business school. I admit I'm pleased that the new building will bear the family name, but more for the sake of my children and my sister's children than for me."

—Mercy Coogan



Leo Van Munching Jr.

National Ion Beam Lithography Center Established

On June 30, the state of Maryland's Board of Public Works announced it was allocating \$250,000 to the university to help establish a new national center of excellence for ion beam lithography research.

Ion beam lithography, an advanced high-technology method of manufacturing electronic microchips, has significant potential advantages over current optical lithography chip-making techniques. It could become the technology used to manufacture the next generation of high density microchips for high-speed computer and communications systems. Accordingly, the technology holds great promise for economic development in the state of Maryland, building on capabilities already existing at the university in engineering and information technologies.

Development of the ion beam

lithography program at College Park is the result of efforts by the university, the Governor's office, the Maryland Congressional delegation, the Maryland Department of Economic and Employment Development, and a consortium of high-technology businesses headquartered in the state of Maryland.

U.S. Senator Barbara Mikulski and U.S. Congressional Representatives Helen Bentley (District 2) and Steny Hoyer (District 5) were instrumental in helping the university to obtain a \$7.5 million grant from the U.S. Department of Defense last year to help establish the ion beam lithography program.

"We are delighted

to acknowledge the support of the Board of Public Works for this exciting new program," said President William Kirwan, in response to the announcement of state support for the program. "With the initiation of this center and the related efforts of industry, the state of Maryland will become the national focal point of ion beam lithography research and development."

—Gary Stephenson



Kirwan Receives Award

President William Kirwan received the first Maryland University Club Award, established to recognize individuals who have made a significant and sustained contribution to the Maryland University Club.

As the official occupant of the historic Rossborough Inn, the club's primary purpose is to stimulate community spirit among university faculty, staff, and alumni through programs of an intellectual and social nature.

In presenting the award to Kirwan, club president Lawrence Gordon noted that Kirwan's long-standing support has been essential for the club to not only survive, but flourish, during the past several years. Current membership is approximately 500, roughly twice the 1986 membership.

For more information concerning the Maryland University Club, contact either Randi Dutch, the club's manager (at 314-8013) or Vonnice Franda, executive coordinator to the club's Board of Governors (at 314-8015).

Do Hormones Influence Monogamy?

The prairie vole, a mouse-like pest common throughout the midwestern U.S., may hold a key to understanding monogamy.

In an article published in the June 1993 issue of *Scientific American*, C. Sue Carter, professor of zoology at College Park and Lowell Getz, chair of the department of ecology, ethology, and evolution at the University of Illinois, describe their results based on 15 years of studying the behavior of prairie voles.

Unlike most rodents, prairie voles form long-lasting pair bonds, and both parents share in raising their young—rare behavior in the animal kingdom where only about three percent of mammals are monogamous.

Carter's studies have focused on the roles of two hormones—oxytocin and vasopressin—in monogamy.

"Many chemicals could affect social behavior," she notes. "Our results from work with voles suggest that oxytocin and vasopressin are part of a complex biochemical cocktail that may alter social interactions, including behaviors such as social preferences and aggression."

Prairie voles engage in prolonged periods of mating—30 to 40 hours—long past the time needed to ensure pregnancy. These extended periods may, according to Carter, help to facilitate the formation of monogamous social bonds between the animals. And, unlike other voles, prairie voles remain highly social toward their mates, even during nonreproductive periods. Carter has shown that prairie voles often touch and remain near their sexual partner.

"It has been shown that oxytocin is released during birth, lactation and sexual interactions," says Carter. "In

sheep there is evidence that oxytocin promotes maternal bonding. Work in my laboratory by Jessie R. Williams has shown that prairie voles form distinct pair bonds which are facilitated by sexual interactions."

But this friendliness does not extend to strangers. After mating, both males and females become exceptionally aggressive toward unfamiliar members of their own sex.

"In addition to developing a strong attachment to their sexual partner, males that have mated become capable of lethal aggression," Carter says. She hypothesizes that vasopressin, which increases this territoriality in other rodents and which is structurally similar to oxytocin, increases post-coital, territorial aggression in prairie voles as well. This hypothesis has now been experimentally confirmed by James Winslow and Thomas Insel at the National Institute of Mental Health.

But Carter cautions that the results of her research are too preliminary to draw any conclusions regarding human monogamy.

"Our work on the behavioral effects of oxytocin and vasopressin is new and it is certainly too early to assume that monogamy in voles will tell us anything about human monogamy," she points out. "However, this research could have imme-

diate value if it increases our awareness of the potential behavioral effects of hormones like vasopressin and oxytocin which are widely used in medicine. For example, vasopressin is prescribed to treat bed wetting children and oxytocin is often used to induce childbirth or facilitate breast feeding. Because oxytocin is normally released during lactation, even the apparently benign decision by a new mother to feed an infant with a bottle, versus breast feeding, creates a different neuroendocrine state in the mother, and possibly, in the infant as well. Animal research could provide vital clues to those chemicals that are particularly powerful in affecting behavior."

—Gary Stephenson

University Group Travels to Jerusalem for Peace Conference

Last month while Arab and Israeli negotiators worked to hammer out official peace agreements in Washington, a dozen College Park students, faculty and staff members journeyed to Jerusalem to help broker greater understanding between a group of Palestinian and Israeli students.

The Jerusalem conference, which focused on religion and peace in the Israeli-Palestinian conflict, was part of the "Religion and Peace Project" being sponsored by the university's Center for International Development and Conflict Management (CIDCM).

Students and faculty from three of the region's universities—Hebrew, Bir Zeit and Bethlehem—also participated in the meeting and represented the three faiths involved in the conflict. Jerusalem's Hebrew University has a predominantly Israeli Jewish population, while Bir Zeit and Bethlehem universities, located on the West Bank, serve mostly Muslim and Christian Palestinians, respectively. The College Park group visited all three universities before the start of the official conference, held June 16-17.

The Maryland delegation included university chaplain Holly Ulmer, a Presbyterian minister, and Gloria Bouis, program director in the Office of Human Relations, in addition to CIDCM staff members and Jewish, Muslim and Christian students.

Members of the group intend to put their Jerusalem experience to good use when they return to College Park. CIDCM Director Edy Kaufman will highlight the project as part of

Diversity Week in October and Bouis hopes to use her experience in Jerusalem in dealing with sometimes bitter disputes between Jewish and Arab students. Three of the Maryland students—Hoda Atia, Brian Hardy and Amir Jahansir—will write academic papers connected with their visit.

The meeting followed the first Religion and Peace Project retreat held last February in Port Deposit, Maryland. This April, CIDCM plans to hold another conference in College Park, hosting academics from the three Middle Eastern universities.

Organizers said they are elated by their success in getting Israeli and Palestinian students together under a single roof, communicating non-antagonistically.

Meetings between Israeli Jewish students and Palestinian students from the Occupied Territories are quite rare, often being jeopardized by the area's volatile politics. The conference's focus on religion and the participation by American students may have helped dilute the antipathy potentially surrounding such an event, says CIDCM Director Edy Kaufman.

"[Religion] was a good cover for the Arab students to come," says Kaufman. "If I had called it 'Conference on the Two-State Solution,' it would have been too politicized." As it stood, representation from the Palestinian universities, over 20 students, far outstripped that from Hebrew University.

In addition to contending with

general tension between the Palestinians and Israelis, the project was constantly challenged by specific political conditions of the moment. Kaufman calls dealing with such difficulties, "working in real time."

Due to fears of terrorist attacks against Western tourists, for example, organizers at the last minute scrapped a planned second phase of the conference to be held in Cairo immediately after the Jerusalem meeting. Universities in the Egyptian capital which were due to host the project faxed warnings to Kaufman saying they could not vouch for the safety of the group following the Egyptian government's June 13 hanging of the first of 22 alleged Muslim terrorists who have been sentenced to death.

Conference organizers also had to deal with Israel's closure of the West Bank and Gaza, which since March has prohibited Palestinian residents of the territories from entering Israel and East Jerusalem, the site of the meeting. Up until the first day of the conference, it was unclear whether the Israeli military authorities on the West Bank would issue permits to Bir Zeit students to attend the meeting.

Last-minute permits were issued, however, and the students attending the conference were treated to an array of discussion groups, lively role-play exercises and lectures. The speakers, both ecclesiastic and academic, included CIDCM Fellows Jay Rothman and Shukri Abed, and Bir Zeit professor Sari Nusseibeh, who is a member of the official Palestinian negotiating team.

—Solly Granatstein



Edy Kaufman

Kudos To...

From time to time, OUTLOOK runs this section calling attention to the accomplishments, awards and achievements of College Park faculty, staff, and students. Kudos to...is compiled from memos, letters, phone calls, and departmental newsletters. We'd like to hear from you. Send information, and a black and white photo, if possible, to OUTLOOK, attn: Kudos, 2nd floor, Turner Building.

Matthew Bell, School of Architecture, who has received a 1993 National Endowment for the Arts grant to host the Mayors' Institute on City Design for the next three years.

Harold McWhinnie, College of Education, who will be spending the month of August as a resident fellow at the Virginia Center for the Arts in Sweet Briar, working on developing a series of paintings and drawings based on images of Spanish artist Joan Miro, which have been entered into a computer over this past year. The work will be exhibited in a show in March 1994.

Ian Mather, Department of Animal Sciences, who was presented with the 1993 American Cyanamid Award on June 15, at the 88th Annual Meeting of the American Dairy Science Association awards ceremony. The award recognized his contributions in lactational physiology and molecular biology.

Cyril Ponnampereuma, Laboratory of Chemical Evolution, who has been awarded the 1993 Harold Urey Prize and the Academy Medal, from The Academy of Creative Endeavors in Moscow, for his outstanding contribution to the study of the origin of life.

Natasha Saje, Ph.D. candidate, who is the author of two poems, "Game" and "Eating Crab with Bob and Jim" which are included in the current issue of *Shenandoah*, The Washington and Lee University Review.



While in Washington to give a speech in memory of colleague Andrei Sakharov, Askar Akaev, president of the Republic of Kirgizstan and a former physics professor, visited the campus on May 21 at the invitation of Roald Sagdeev, director of the university's East-West Space Science Center. During his visit, he met with President Kirwan, explored areas of cooperation with university researchers and delivered a morning lecture.

Faculty Will Incorporate Substance Abuse Prevention Into Courses

Studies have shown that faculty members have a tremendous amount of influence among students regarding alcohol and other drug issues. This is why the Caring Coalition, College Park's alcohol and other drug prevention project, has awarded five curriculum infusion mini-grants for the development of academic modules regarding substance abuse and prevention.

Incorporated into existing courses that will be offered in the Fall 1993 semester, the modules are an excellent way to reach College Park's more than 18,000 undergraduates who do not live on campus and often miss out on extracurricular prevention activities. The five curriculum infusion mini-grant awards are as follows:

- Lois Vietri, Government and Politics, will have students in her GVPT 170 class study the effects of drug use on American society and social institutions in general; GVPT 479A students will receive a general overview of the degenerative effects that alcohol and other drugs had on the U.S. war efforts in Vietnam and the Persian Gulf.

- Albert Gardner, Human Development, will have students in EDHD 413 develop alcohol and other drug prevention materials and make presentations for high school and middle school adolescents.

- April Hardison, Business and Management, will integrate issues relating to substance abuse into the theme of traffic safety. Her BMGT 370 class discussions and debates

will focus on such issues as employee drug testing, sensationalism by the media, employee assistance programs and less stringent foreign airline regulations.

- David Weinstein, American Studies, will critique the media image of drug and alcohol abuse as an inner-city problem, analyze casual suburban users who deny substance abuse problems, and study the social, political, economic, and cultural reasons for drug laws in AMST 201.

- Robert Perry, English, will have students in his ENGL 494 business writing course prepare formal letters of inquiry, research key issues, and prepare collaborative reports on a range of topics related to substance abuse.

The Caring Coalition and the mini-grants are sponsored by a Funds for the Improvement of Post-Secondary Education (FIPSE) grant from the U.S. Department of Education.

The coalition is an umbrella organization of campus departments, groups, and individuals committed to strengthening substance abuse prevention activities.

—Jody Gann

University's Masters Swimmers Cross the Bay



College Park Masters Swim Club members (l-r) are: Cheryl Wagner, Laudie Baer, Bob Lazzaro, Bob Chambers, Bob Harper and Frank DeBernardo.

Twelve members of the university's Masters Swim Club were among the 505 people who completed the Great Chesapeake Bay Swim on Sunday, June 13. The 4.4 mile course began at Sandy Point State Park and ended at Pier One Landing on Kent Island.

Rolf Stottman, 19, of the univer-

sity's varsity swim team, finished 8th overall in a field of 521 competitors, with a time of 1 hour, 38 minutes and 41 seconds. This time gave Stottman first place in his age group of 15-19 year old men.

Susan Altman, 30, placed 18th with a time of 1:42:05, securing the third place position for women; last

year she was the first woman to cross the line.

Other members and their times include Bob Chambers (1:56:03), Bob Lazzaro (1:56:35), Tom Horton (2:12:02), Doug Wiley (2:14:30), Frank DeBernardo (2:21:25), Debbie Morrin (2:35:59), Bob Harper (2:37:28), Sarah Millham (2:41:24), Jennifer Bildman (2:53:24) and Cheryl Wagner (2:57:25).

The Masters Swim Club practices five times each week on campus and is open to all members of the university community. Swimmers vary in speed, age, and ability and workouts are geared toward each person's level and goals. For more information, call Jim Wenhold at 314-7031.

Nominations Sought for PG's "Women of Achievement"

Nominations of exemplary women are being sought for inclusion in a book entitled, *Women of Achievement in Prince George's County History*. The book will chronicle the lives of generations of women who have made significant contributions to the quality of life in the county and is scheduled to be published in March 1994 in conjunction with Women's History Month. The pro-

ject is being organized by the Prince George's Planning Board, the Maryland-National Capital Park and Planning Commission for Women and the Prince George's County Government. Nomination forms are available at county libraries and community centers. The deadline for receipt of nominations is September 15. For more information, call 952-4813.

Next Issue is September 7

This is the last summer issue of *OUTLOOK*. The next issue will be published on Tuesday, September 7, after which *OUTLOOK* will resume its weekly Monday publication schedule during the semester.

If you have story ideas or issues you would like to see covered in *OUTLOOK*, please contact John Fritz at 405-4629 or jfritz@umdacc.umd.edu.

