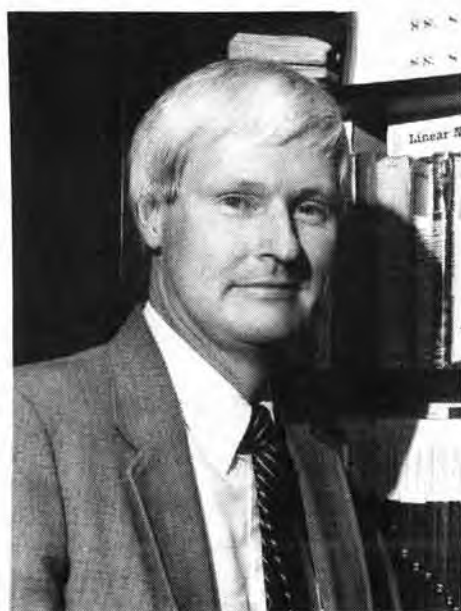


# Outlook

The University of Maryland at College Park Faculty and Staff Weekly Newspaper • Volume 8 Number 31 • July 18, 1994

## Second Century of Engineering Begins with William Destler



William Destler

William Destler, currently professor and chairman of electrical engineering, has been named dean of engineering.

An international authority in the areas of advanced microwave devices and accelerator technology, Destler will oversee the Glenn L. Martin Institute of Technology and the A. James Clark School of Engineering, the research and education units that formerly comprised the university's College of Engineering.

"I believe that the College of Engineering is poised to join the ranks

of the most distinguished schools in the nation," Destler said. "The recent [\$15 million] gift by A. James Clark will allow the college to build on its rapidly growing national reputation for innovation in undergraduate engineering education, and I look forward to leading those efforts."

Destler succeeds George Dieter, who retired in May after 17 years as dean, a period that saw tremendous growth and success in research, technological development, and education in the college.

"Bill Destler's commitment to education, outreach and research, coupled with his worldwide acclaim and experience in electrical engineering, will help propel engineering at Maryland into a position of national leadership," said President William E. Kirwan. "He will build upon the impressive legacy of achievement left by George Dieter, a legacy that has benefitted thousands of current and former engineering students over the past 17 years."

Destler has already left his mark on the university during 21 years in a variety of positions, beginning in 1973 with a two-year stint as a research associate with the Electron Ring Accelerator Group. Following that, he spent five years as an assistant professor and five years as an associate professor of

—continued on page 2

## Thomas Fretz, '64 Alumnus, Heads College of Agriculture

Thomas A. Fretz, associate dean and director of the Iowa Agriculture and Home Economics Experiment Station at Iowa State University, has been named dean of the College of Agriculture. He succeeds Craig Oliver, who has served as interim dean since October 1993.

Fretz, who has held positions in research, teaching and extension at institutions in Ohio, Georgia, Virginia and Iowa, will assume his responsibilities on or before Oct. 1.

"Tom Fretz has had a remarkable and distinguished career in all facets of agriculture," said President William E. Kirwan. "His experience and his vision for the role of agriculture in the 21st century are essential to the continued growth and success of not only the college, but also the State of Maryland's

—continued on page 5



Thomas Fretz



## University Sweeps Hybrid Electric Vehicle Challenge

The university's Hybrid Electric Vehicle, designed to get 70 miles per gallon and reduce emissions while retaining performance, won all 10 categories, including "Best Overall," at the 1994 Hybrid Electric Vehicle Challenge in Southfield, Mich.

The car, with its power-assist engine, was rated most efficient hybrid electric vehicle; lowest emissions; best technical report; excellence in safety; best use of an alternative fuel; best range; best overall performance on an alternative fuel; best overall performance; and best engineering design. Maryland's car was the only Saturn conversion to pass the emissions test.

"It was a very impressive showing of our vehicle," said David Holloway, professor of mechanical engineering and supervisor of the project. "The head of the U.S. Department of Energy's hybrid electric vehicle program said it was a 'fantastic job,' and everybody who saw it was extremely impressed with the quality and attention to detail that our students had."

Holloway said that one of the judges, a GM engineer, told him "I do conversions at GM, and ours don't look half as good as yours."

In a power-assist vehicle, an internal or external combustion engine (fueled by a methanol/gasoline combination) must provide the primary source of power, while an electric drivetrain provides auxiliary power during acceleration, high-load situations and other instances requiring peak power. Because power-assist HEVs never need to be plugged in, recharging facilities are unnecessary, which is good news for those who believe recharging needs will be too expensive and keep electric cars from becoming a reality.

In addition, power-assist HEVs pro-

vide high fuel economy, produce low emissions, employ smaller engines and therefore weigh less than electric vehicles, and are the least expensive and the easiest HEV technology to implement.

The car, a converted Saturn SL2 sedan donated by the Saturn Corporation, was "rolled-out" May 17 on the College of Engineering Building's front lawn. It then left for a grueling round of tests in Ann Arbor, Mich., culminating in the June competition against similar cars from 12 North American colleges and universities.

The 1994 Hybrid Electric Vehicle Challenge was sponsored by the U.S. Department of Energy, Natural Resources of Canada, the Saturn Corporation and the Society of Automotive Engineers. Technical objectives of the challenge included significant improvements in fuel economy, reductions in emissions, and conventional levels of performance and comfort.

Holloway said the car will be taken to the GM Technical Center in August for a five-day battery of emissions tests. He said that the car is being used as a "test bed" for this particular class of vehicle.

"We want to move forward and use it as a research tool to further explore the concept," he said. "We have a system that worked, but I think we can probably make it work a lot better with some development time and experimental data."

As for the 60 or so students who worked day and night to complete the car, Holloway has only the highest praise. "They are just a wonderfully talented group of people that worked extremely hard and worked very smart, basically until they dropped," he said. "It all came together at the end, and they just did a beautiful job."



## Israeli and Palestinian Profs Search for Common Ground

Both sides of the nearly 100-year dispute between Israel and Palestine came face to face this summer in a College Park classroom. Two professors from both sides of the Green Line teamed up to teach a course aimed at building bridges to peace.

The principals in the unique teaching experiment were Edy Kaufman, an Israeli and director of the Center for International Development and Conflict Management (CIDCM), and Manuel Hassassian, a Palestinian who is a professor of political science at Bethlehem University in the West Bank.

They came to class armed with the powerful, historical perspectives of their two peoples. Together they examined the depths of the struggle, the possibilities for peace and the implications for other conflicts around the world.

In spite of the recent Cairo Accords, the concept of an Israeli and a Palestinian collaborating on anything may still be difficult for many people to conceive. Kaufman and Hassassian say, however, that they have been working together on issues of mutual coexistence and harmony since the height of the Intifada.

"We firmly believe that academics should be in the forefront of building bridges to peace in situations of conflict," says Kaufman, formerly director of the Harry S. Truman Institute for the Advancement of Peace at Hebrew University in Israel. "If the academics, the intellectuals, can't talk to each other, how can we expect it of people

in the marketplace?"

Developing strategies to advance the process of mutual understanding was the main objective of the course, "Conflict Resolution: The Israeli-Palestinian Experiment." Some 28 students, many representing some of the world's most volatile hot spots, including Pakistan, Iran and Palestine, signed on for the twice-weekly sessions which ended July 14.

Hassassian, a resident of the West Bank active in Palestinian politics, notes that in the past, restrictions against interaction between Palestinians and Israelis were not as rigid in the intellectual community.

"We have worked over the years in these settings to overcome many of the psychological barriers and stereotypical images that we have about each other," he says. "Teaching this course at Maryland [was] a natural and innovative consummation of this process."

Kaufman says the successful course set the foundation for similar projects centered around other major conflicts, such as those in Sri Lanka, Ireland and the former Yugoslavia. He says he sees great potential in advancing the CIDCM "Partners in Conflict" concept of attracting scholars from opposite sides of ethnopolitical conflicts for joint teaching and research efforts.

For the past two years, CIDCM has sponsored several workshops in the U.S. and the Middle East which allowed interactions between Israeli and Palestinian students and educators.

## Serenity House: Support for Recovering Addicts

In 1990, a chemically-dependent student came to Roger Segalla Jr. and told the resident director of his dilemma. The student was a recovering addict whose roommate smoked and drank.

He also knew another student across campus who was in the same situation and wanted to know if the two could become roommates.

Thus the idea for the Serenity House was born.

Located on South Campus, Serenity House is a living option for those students who are recovering from either alcohol or drug dependency. It is co-sponsored by the University Health Center's Office of Substance Abuse and the Department of Resident Life. The names of students living in Serenity House are kept confidential.

Serenity House students must have remained sober for at least three months prior to moving in. And once students have committed to the program they must follow several guidelines.

For example, the use of alcohol or other drugs by residents or their guests is not allowed. In addition, Serenity House residents must attend monthly house meetings and weekly support group gatherings based on the 12-step format of Alcoholics Anonymous.

These meetings allow the students to develop relationships based on recovery and maintaining sobriety.

"We want an environment that is free of alcohol and drugs," says Segalla, who is the director of Substance Abuse Programs at the health center. "Being

in recovery is not easy, especially in a college environment, and this allows them to share strength and hope."

While the Serenity House program is one of only a handful of its kind in the United States, Segalla says he believes it could take advantage of even more resources at UMCP. In particular, he says he would like to see faculty members become involved with the program.

"There are recovering faculty on this campus that Serenity House would like to seek," he says. "We would like to have faculty sponsors who are in recovery."

## Destler Named Engineering Dean

*continued from page 1*

electrical engineering, before being named professor in 1985 and chairman of electrical engineering in 1986.

As chairman, Destler oversaw the development of one of the largest and most productive electrical engineering departments in the nation. In terms of degrees granted and research expenditures, the department has consistently ranked in the top five percent of the 200 electrical engineering programs nationwide.

With an annual research budget of more than \$15 million, the department conducts a plethora of research activities in conjunction with several affiliated research centers such as the Institute for Systems Research (ISR) and the Institute for Plasma Research (IPR).

It is accomplishments such as these, a combination of powerful educational

## End quote

What's the best movie that you have seen, or hope to see, this summer?



"The one I want to see the most is 'The Flintstones.' It looks like it was done really well. It's neat to watch them take cartoon characters and put real people in their places."

—Traci Van Buren, Senior, Department of English

"The best movie that I watched was at home last week. I rented 'Indochine.' It won an Academy Award for the best 1992 foreign film. It was very historical, took place prior to our involvement in Vietnam. I enjoyed it thoroughly, even though it had subtitles. I didn't know that when I rented it. I thought it was a very good movie."

—Jane Graham, Assistant Director, Records and Registrations



"I've been in New York City for six months, so I've been going to Broadway shows. I saw Diana Rigg do 'Medea,' and that was excellent. I also saw the New York City Ballet do 'A Midsummer Night's Dream,' by Shakespeare, and it was beautiful fluff. It's sort of a silly play anyway, but they had spectacular sets and excellent dancers. If you're living in New York, Broadway's the thing to do. But now I don't have much money."

—Lindley Darden, Professor of Philosophy

"'Forrest Gump.' Because movies are 'like a box of chocolates—you never know what you're going to get.' I'm the only Gump I know of in the whole county. I'm required to see it. My IQ's a tad higher than 72, though."

—Thomas "Clay" Gump, Telecommunications Engineer, Communication and Business Services



## CORRECTION

In the June 20 issue of *OUTLOOK*, the cover story titled "Robert Hampton Appointed to New Associate Provost Position," failed to note that Hampton earned his Ph.D. from the University of Michigan.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

## Outlook

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

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## Maryland Women are Better Educated and Living Longer

Women in Maryland are better educated and hold more executive, managerial and professional positions now than in 1980, according to a report released in late June. A greater percentage also find themselves heading households.

"Profile of Maryland Women: 1980-1990," was compiled by university sociologist Joan Kahn with the Economic Affairs and Demographic Issues Committee of the Maryland Commission for Women. Using data from the 1980 and 1990 United States Census, the report includes statistical information and descriptions of trends regarding education, labor force participation, occupational status, marriage and childbearing patterns, poverty, age and race.

In addition to presenting data for the state as a whole, Kahn, who is a member of the university's Center on Population, Gender and Social Inequality, individually profiles each of the state's 23 counties and the city of Baltimore, and breaks the information out by race.

Highlights of the report include:

- Women are better educated now than they were in 1980. The proportion of women over 25 years old with less than a high school education has dropped from 33 percent in 1980 to 22 percent in 1990, and the proportion who have attended college has increased from 38 percent to 48 percent.

- African American women continue to be better educated than African American men, while white men continue to be better educated than white women.

- There are more women in the workforce, and more working mothers. The percentage of women in the workforce increased from 55 percent in 1980 to 63 percent in 1990. In 1980, about half of the women with children under age 6 were employed; by 1990 that number had grown to two-thirds.

- Women are moving into increasingly higher status occupations. The proportion of women executive, managerial and professional occupations increased from 25 percent of employed women in 1980 to 33 percent in 1990. However, 40 percent of working women remain concentrated in sales and administrative support occupations.

- There are more women heading households. Between 1980 and 1990, the proportion of Maryland families headed by women increased from 16 percent to 28 percent. While the proportion of white female-headed families remained constant at 12 percent, the proportion of African American families headed by women increased from 37 percent in 1980 to 41 percent in 1990.

- Family poverty rates are more than three times higher for female-headed families (21 percent) than for all families in general (6 percent). Among female-headed families with children, poverty rates were considerably higher among African Americans (42 percent) than among whites (25 percent).

- Although family poverty rates declined for the state as a whole, they increased among female-headed households in one-third of all counties: Allegany, Caroline, Queen Anne's

Somerset, Talbot, Washington, Wicomico and Worcester.

- Maryland's female population is aging. The proportion of women over the age of 65 grew from 11 percent in 1980 to 13 percent in 1990. More than one-third of these women lived alone in 1990.

The Maryland Commission for Women is the state agency mandated to study and review the status of women throughout the state. "The work of the commission can best be described as a continuum that began in 1965 with the first study ever done on the state of Maryland women," says Esther Weisman of the commission, who also noted that the commission published status reports in 1975 and 1985. "This report was not only needed to measure the demographic and socioeconomic changes experienced by Maryland women between 1980 and 1990, but to serve as a vital planning tool for public and private institutions," says Weisman.

"It is reassuring to see positive national trends, such as increased educational attainment, reflected throughout the state of Maryland," says Kahn, who also recognizes in the data disturbing variations according to county.

"The profiles from each of the counties and Baltimore city show a great diversity of experience across the state, with counties on the Eastern Shore and in western Maryland seeing a marked worsening of economic conditions compared with the more centrally located areas."

—Joan Kahn



**"It is reassuring to see positive national trends, such as increased educational attainment, reflected throughout the state of Maryland."**

## University Helps State Leaders Build a Better Government

For innovation to occur, there must be commitment from management and employees, a clear vision of the innovation (which must be customer-driven), and a paradigm shift, or a change in fundamental beliefs.

These are the conclusions of approximately 70 Maryland state government leaders, including two of Governor Schaefer's cabinet secretaries, who recently attended the seminar "Reinventing State Government," cosponsored by the College of Business and Management's Office of Executive Programs and the School of Public Affairs.

"Government must continually reevaluate what it's doing and how it's doing it if we are to meet the changing needs of our citizens," said Gov. Schaefer. "This seminar helped to identify new approaches to make government more effective and efficient."

But was government ever invented? Tom McKewen, retired director of the Maryland Environmental Service and the Maryland Department of Health, suggested during the morning panel discussion that government was never invented, but was, and still is to a certain extent, a reaction. McKewen advised inventing a better form of government by decentralizing decision-making, allowing individual agencies to take greater responsibility for their goals.

Fellow panelist Fred Puddester, deputy secretary, Department of Budget and Fiscal Planning, agreed with

McKewen and vowed that his department would try to "get out of the way" of individual agencies. Panelist Joe Burruss, assistant secretary, Department of Economic and Employment Development (DEED), also believes in individuality, and said he had experienced success by letting employees see the "big picture," not just a small piece of it.

Also on the panel, moderated by Lenneal Henderson, senior fellow, the William Donald Schaefer Center for Public Policy, were: The Honorable Joseph Adler, secretary, Department of Personnel; Mike Langrehr, chief of information technology, Department of Budget and Fiscal Planning; and Lois Whitaker, deputy secretary of operations, Department of Human Resources.

In addition to putting greater emphasis on individuals and agencies, seminar participants suggested that personnel systems be restructured so that innovation is rewarded and encouraged rather than discouraged, that a commitment be made to staff development, and that everyone in government work smarter rather than harder.

But not all is bad, and after a luncheon speech by quality management expert Scot Faulkner, president of the Farragut Management Institute in Washington, D.C., the state leaders participated in a workshop, led by School of Public Affairs Dean Michael Nacht, and came up with many examples of how Maryland's government has

already undergone some successful reinvention.

Examples of money-saving reinvention include the removal of trash cans from state parks, DEED employees painting their own offices, and an

increase in privatization and outsourcing. To cut down on fraud, driving licenses are now digitized. And to improve health, smoking is increasingly banned or restricted in public buildings.



### Visitor Number 50,000

When Johnnie Carr walked into the Visitor Center at 3:30 p.m., June 22nd, he was simply seeking information about continuing education courses. But much to his surprise, Carr had the honor of being the center's 50,000th visitor since opening day, Sept. 4, 1990. The Baltimorean received a poster of UMCP, presented here by Kerri Howard, right, a senior who has worked at the center since January 1994.



## Calendar July 18-August 31

### Arts

**Rosborough Festival Piano Recital:** Mon., July 18, 8:30 p.m., Tawes Theatre. Also part of the University of Maryland International William Kapell Piano Festival and Competition. 5-6548.

**Rosborough Festival Piano Recital:** Tue., July 19, Maribeth Gowen, 10-11:30 a.m., UMUC Center of Adult Education Auditorium. Also part of the University of Maryland International William Kapell Piano Festival and Competition. 5-5545.

**Rosborough Festival Piano Recital:** Tue., July 19, Barry Douglas, 8:30 p.m., Tawes Theatre. Also part of the University of Maryland International William Kapell Piano Festival and Competition. 5-6548.

**Rosborough Festival Recital:** Wed., July 20, Angela Cheng, pianist, with The Colorado Quartet, 8:30 p.m., Tawes Theatre. Also part of the University of Maryland International William Kapell Piano Festival and Competition. 5-6548.

**Rosborough Festival Piano Recital:** Thu., July 21, Nelson Freire, 8:30 p.m., Tawes Theatre. Also part of the University of Maryland International William Kapell Piano Festival and Competition. 5-6548.

**Rosborough Festival Piano Recital:** Fri., July 22, Horacio Gutierrez, 8:30 p.m., Tawes Theatre. Also part of the University of Maryland International William Kapell Piano Festival and Competition. 5-6548.

**University of Maryland International William Kapell Piano Festival and Competition:** Sat., July 23, recitals by finalists and performance by the National Symphony Orchestra, 8:30 pm, Kennedy Center Concert Hall. 5-6548.

### Miscellaneous

**First Day of Classes—Summer Session II:** Mon., July 18, contact Gene Ferrick, Academic Affairs, if you have any questions. 5-5252.

**Peer Computer Training:** Mon., July 18, "Intro to Macintosh," 6-9 p.m.,

3332 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Tue., July 19, "Intro to Wordperfect Windows," 6-9 p.m., 3330 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Tue., July 19, "Intro to MacWrite," 6-9 p.m., 3332 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Wed., July 20, "Intro to PageMaker," 6-9 p.m., 3332 Computer and Space Sciences. \$5. 5-2941.\*

**University of Maryland International William Kapell Piano Festival and Competition Awards Luncheon:** Thu., July 21, Friends of MSICPA, 11:30 a.m., UMUC Center of Adult Education. 5-6548.

**Peer Computer Training:** Mon., Aug. 1, "Information Resources," 6-9 p.m., 4352 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Tue., Aug. 2, "Intro to Quattro Pro Windows," 6-9 p.m., 3330 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Thu., Aug. 4, "Intro to Windows," 6-9 p.m.,

3330 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Mon., Aug. 8, "Intro to WordPerfect Windows," 6-9 p.m., 3330 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Tue., Aug. 9, "Intro to Microsoft Word," 6-9 p.m., 3332 Computer and Space Sciences. \$5. 5-2941.\*

**Peer Computer Training:** Thu., Aug. 11, "Intro to Quattro Pro Windows," 6-9 p.m., 3330 Computer and Space Sciences. \$5. 5-2941.\*

**Last Day of Classes—Summer Session II:** Fri., Aug. 26, contact Gene Ferrick, Academic Affairs, if you have any questions. 5-5252.

**First Day of Classes, Fall Semester 1994:** Wed., Aug. 31, contact Gene Ferrick, Academic Affairs, if you have any questions. 5-5252.

#### Calendar Guide

Calendar phone numbers listed as 4-xxxx or 5-xxxx stand for the prefix 314- or 405- respectively. Events are free and open to the public unless noted by an asterisk (\*). For more information, call 405-4628.

## Here's to

**Victor Basili and Marvin Zelkowitz**, professors of computer science, for winning the Institute of Electrical and Electronic Engineering Computer Society's Software Engineering Institute Award for Software Process Achievement by collaborating with scientists from the NASA Goddard Space Flight Center and the Computer Science Corporation on the Software Engineering Laboratory (SEL). The SEL was established in 1976 within the Flight Dynamics Division of NASA/GSFC to investigate software engineering technologies applicable to flight dynamics problems. The triumvirate works to develop software to operate spacecraft, through pilot studies and case studies.

**Steven Edwards**, director of the Maryland Fire and Rescue Institute, for being unanimously elected to the Safety Equipment Institute's Board of Directors. SEI is a nonprofit operation that exists to certify a broad range of safety equipment, including helmets, hard hats and protective eyewear.

**Beverly Greenfeig and Barbara Goldberg**, both counselors in the Counseling Center and co-coordinators of the Returning Students Program, for receiving the 1993 Outstanding Contribution by a Student Development Professional Award presented by the American College Personnel Association. The Returning Students Program was among the first university programs for adult students in the nation.

**Elmina Hilsenrath**, assistant professor of landscape architecture, for receiving a contract from the Department of Natural Resources to prepare the second edition of the state



Victor Basili

Forest Conservation Manual. The Department for Horticulture and Landscape Architecture will be developing case studies demonstrating forest conservation procedures and preparing new computer drawn graphics for the manual.

**Harold McWhinnie**, associate professor in the Department of Curriculum and Instruction, who has been invited for a summer in residence in 1995 by the Tyrone Guthrie Centre at Annaghmakerrig, Ireland. McWhinnie will spend the summer developing his computer based art and design, involving the use of appropriation, i.e. images taken from the works of other artists (such as Vincent Van Gogh) by means of videodisc and the computer.

**E. Lander Medlin**, assistant director for administrative and general services, Physical Plant, who has been elected Vice President for Education Programs of APPA: the Association of Higher Education Facilities Officers. Her two-year term began earlier this month.

**Neil Ratliff**, head of the Music Library, who has been awarded a Fulbright grant in Greece for a five-



Beverly Greenfeig and Barbara Goldberg

month period beginning September 1994. During this time, Ratliff will be responsible for establishing a music library in the two-year-old Athens Concert Hall. The library facility will be known as the Library of the Society of the Friends of Music of the Athens Concert Hall.

**University Publications**, Office of Institutional Advancement, which won five awards from the Council for Advancement and Support of Education.

The publications group won gold medals for: Periodical Staff Writing, *College Park Magazine*, the university's alumni magazine; Discover the Reality, the Office of Undergraduate Admissions' viewbook, used to recruit prospective students; and Honors and Scholars, the Office of Undergraduate Admissions' recruitment tool for academically talented prospective students.

Bronze medals were awarded for College Park Scholars, the Office of Undergraduate Studies' brochure introducing the new program for the Class of '98, and for In Society and On Campus, a brochure for the College of Behavioral and Social Sciences.



Steven Edwards



Neil Ratliff



# Par Excellence

## University's Links Suit Golfers to a Tee

10:00 on a Thursday morning and it's already hot and muggy. But the summer soup hasn't deterred this dedicated group of leisure athletes for whom weather is rarely a factor.

Like your friendly mailman, neither rain, snow, sleet nor hail (or, in this case, heat) will



prevent a golfer from getting the job done. Hitting the links, that is.

Decked out in the signature bright colors and plaids of the sport, complete with tasseled cleats and visors, these a.m. golfers are feeling refreshed after 18 holes. And they'll be back in a week to do it all again—if not before.

That's because every Thursday, from 7:30 to 9:30 a.m., is Women's Day. And the course that affords these women this luxury is none other than the University of Maryland Golf Course. [The men get their fair turn on Wednesdays.]

Located just off University Boulevard, across from the stadium entrance, the university's golf course is a hidden treasure for those who have yet to discover it. But clearly many already have.

The club boasts 268 members, including alumni, faculty, staff and friends/non-affiliates of the university. And judging by the nearly full lot, and the bustling clubhouse and pro shop this particular weekday morning, the place is not lacking for players.

On an average day, says Tom Hanna, director of golf operations and coach of the university golf team, the course sees some 200 to 225 golfers. "The number is tremendous on weekends," says Hanna. From dawn to nearly dusk, he says, the pace is steady.

Duffers and pros alike use the par 71

course. Recently ranked 31st in a metro listing of the toughest public courses in Maryland, the university course is open to faculty, staff and students, says Hanna, who encourages all to use it. "You get quality golf here. And it's not too expensive or out of reach," he says.

Hanna, a Maryland alumnus who played on Maryland's golf team in the late '60s, says the course is a tremendous asset to the university. "Less than 30 major universities have an 18-hole golf course within walking distance of the campus," he says.

And for those who merely want to practice their strokes, there is a lighted driving range which remains open daily until 9 p.m. Should you feel the need for some lessons in the sport, there are five PGA professionals on staff, plus Hanna. A half-hour lesson costs \$30.

Hanna returned to Maryland and the golf course in 1991, hired by then Athletic Director Andy Geiger, he says, because of his expertise in agronomics. Roughly translated that's the science of land management.

"Since then, we've turned the place around," says Hanna. "The quality of the course and play is so much better."

According to Hanna, the course was built in the early 1950s on land previously designated a Nike missile site. An old structure on the grounds, for years used as the starter shed, at one time served as an anti-ammunition shed. As a student, Hanna lived on the golf course. "There was a dorm on site then, back where the locker rooms and cart room are," says Hanna. "That's where the athletes lived."

Funding for the course came from money the football team earned as participants in two Orange Bowls. Originally, it was slated to be only a nine-hole course, says Hanna, but when the university links opened for business in 1954, there were 18 holes.

"Normally, these days, it takes six to eight months to build an 18-hole golf course," says Hanna. "Back then, it took two years."

Maintaining the course and keeping it in good playing condition is a constant project. Fortunately, the course generates enough revenue to pay for the various ongoing projects.

A \$500,000 irrigation system was



This gazebo, which serves as the starter shed at the university's 18-hole golf course, is a recent gift from the Maryland Senior Men's Golf Association.

installed and the grass is being replaced through a process called "sprigging."

"You lift the grass by the roots, shake off the dirt until it's clean, set it in a slit and two weeks later you have good, new grass," says Hanna.

Tough winters, such as the one Marylanders recently endured, make such projects necessary.

Other new changes include the completely remodeled pro shop. "It's fully stocked and well maintained now," says Hanna. Everything from the requisite golf hats and shirts to complete sets of clubs are sold there.

The most recent addition to the course is a gazebo which serves as the new starter shed. According to Hanna, the Senior Men's Golf Association, led by Dick Gola, donated the gazebo after raising \$1,500. The split rail fence that lines the entrance road, says Hanna, is also a gift of the Senior Men's group.

For now, golf course memberships are closed, but Hanna says they hope to open them up again in the future. However, the course is accessible to the public on a pay daily basis. The cost—see chart below—is reasonable.

STUDENTS	FACULTY/STAFF	GENERAL PUBLIC
Weekend: \$13	Weekend: \$20	Weekend: \$26
Weekday: \$11	Weekday: \$17.50	Weekday: \$22

\* After 4 p.m. daily, until dark, the cost is only \$13. Students get a discounted rate of \$11.

And even students can afford to hit these links.

In fact, by 11:30 a.m. this particular Thursday morning, a group of coeds, dressed in less typical, but perhaps more practical and cooler clothing, are putting on the 18th hole. More golfers, male and female, are arriving and signing in to play.

It's time to tee off.

For more information about the university golf course, call 403-4299.

—JENNIFER HAWES



# New Agriculture Dean

*continued from page 1*

agricultural industry and economy.

"The university and, in fact, the agricultural community of this state, also owe a great debt of gratitude to Craig Oliver for his tireless work on behalf of the college during this crucial interim period," he added.

A 1964 horticulture graduate of College Park, the Buffalo, N.Y., native said he is eager to get started.

"I really look forward to joining the faculty and administration of the University of Maryland at College Park and I am excited about some of the challenges and opportunities that lie ahead for the College of Agriculture,

Cooperative Extension Service and the Maryland Agricultural Experiment Station," he said.

Fretz said he intends to focus on the critical issues facing agriculture including sustainability of the land, natural resources of the state, water quality issues, and continued growth and expansion of Maryland's number one industry—agriculture.

"I think there are also opportunities for the college to continue to develop, grow and provide support in areas of the basic biological sciences, which are really the fundamental backbone for many of the things we do in agriculture," he said. "I also feel very strongly

that we need to continue to focus on issues related to rural development, through extension, research and teaching, to see how new technologies affect the rural parts of the population."

Additionally, he wants to focus on the value-adding industries of the state, such as food processing, nursery, landscaping and turf industries.

Fretz gained his bachelor's degree in horticulture from UMCP in 1964. He earned his master's degree in horticulture and his Ph.D. in plant science from the University of Delaware in 1966 and 1970, respectively.

Fretz's current responsibility is the administration, coordination and man-

agement of the Iowa Agricultural Experiment Station. He has been associate dean and director since August 1989. Previously, he was interim director of international development in the College of Agriculture and Life Sciences at Virginia Tech where he was responsible for the management of programs in Haiti, Mali, Senegal and Zambia.

Prior to that, he spent eight years as professor and head of the department of horticulture at Virginia Tech. He has also held past appointments in horticulture departments at Kansas State University, The Ohio State University and the University of Georgia.



# Earthly Delights

*Archaeologists Dig up the Past in Historical Annapolis*

Equipped with a trowel, Caryn DiStéfano digs with precision through the dirt. In the soft, orangish clay, she unearths a lump that seems harder than the others. Fingering off more of the soil, a shape begins to appear.

"It's part of a horse-shoe," says John Seidel, assistant professor of anthropology, who has been carefully watching her.

DiStéfano begins to scrape the piece with her trowel, but Seidel quickly warns her: "Don't clean it in the field." Instead, he takes the item and places it into a labelled artifact bag.

To show what these shapes result in, Seidel removes a handful of artifacts from the bag and holds them in his hand, explaining the significance of the bones and sherds of ceramics and glass.

"We can date this pipe stem by measuring the size of its bore," he says. "Different time periods had different sizes."

DiStéfano, a senior anthropology major, is earning credit at the Field School in Historical Archaeology (Anthropology 498), located in Annapolis.

A six-week, eight-credit summer course, the field school has been excavating in the historic district of Annapolis since 1981 and has completed more than 30 different excavations.

Cosponsored by the Historic Annapolis Foundation, the City of Annapolis and the university's Department of Anthropology, the project educates volunteers as well.

This summer, the field school is running two digs: one at the County Courthouse on Church Circle, and the other at the Bordley-Randall House on State Circle.

The courthouse dig is part of the practical side of archaeology, explains Lynn Jones, an anthropology graduate student and assistant site supervisor at the Bordley-Randall House dig. There

are county regulations that protect archaeological and historic sites.

Digging began at the courthouse six weeks before the field school at Bordley-Randall opened and, already, intact remains of several different settlements have been found. Six inches down the excavators found evidence of a turn-of-the-century African American community, an integrated neighborhood beneath that, and several 18th century house remains. Also unearthed were numerous artifacts from the 17th century, when Annapolis was founded.

The courthouse crew opens the dig to the public. And on two different Sundays, they explained their work to



John Seidel studies a sampling of artifacts from the Annapolis dig.



Meg Noonan and Lukas Strout sift out smaller fragments.

the local churchgoers.

Chris Matthews, who is working on his dissertation at Columbia University, is site director at the Bordley-Randall House and leads a public tour at least once a week. From the beginning, the major thrust of Archaeology in Annapolis has been to involve the public, Matthews says.

Philip Dodds, the current owner of the Bordley-Randall house, finds the excavation bringing him closer to his home. "It's hard to live in a house like this and not get caught in its history," Dodds says.

Built sometime between 1713 and 1717, the original owners of the Bordley-Randall House were wealthy planters from Kent County. Thomas Bordley became Attorney General of the Colony of Maryland, as did his son, Stephen. Alexander Randall, a U.S. congressman from Maryland, became identified with the house when he bought it in 1847. The current owners are part of the Weems family, who bought it in the 1920s.

"We want to know what happened here," Matthews says. "This house is 500 feet from the Maryland State House and has been oriented physically to it for 300 years. We want to know why. What can we learn about [the former residents] and their ties to state power?



Tracy Perreten and Sara Claggett use trowels to search through the dirt.

In order to do this, we're trying to reconstruct the landscapes, the role of African Americans in the house and how all these changed from 1720 to now."

Matthews says there may have been a terraced garden in the backyard in the 18th century, a device for commanding power. In several trenches, they are trying to locate the terraces by studying the soil's stratigraphy, or its layers of soil as denoted by color and content. They're also taking soil samples to see

covered this way. This is all part of a neo classical house and landscape Randall created.

Lynn Jones, who is also a staff archaeologist for the Historic Annapolis Foundation, is looking for evidence that may help her understand the lives of African Americans in Annapolis. Evidence of African traditions from 1800 has been found at other sites in the past by the field school and she is focusing her research on it.

Throughout the year, students and volunteers scrub, sort, label and bag the artifacts. Each kind of ceramic, glass, nail or bone will be given a computer code and entered into a program that will help analyze each piece's significance in the history of the site.

And while they're in the field, detailed records of their work are kept. Photographs of each layer of excavated soil, drawings, maps and surveys are all required to do an archaeological excavation correctly.

To sum up the importance of the two excavations, Mark Leone, professor of anthropology, says, "Both digs show how the topography of the town was shaped to point to places of power, or to disguise them. The adventure is in seeing that our picturesque historic state capital has used its famous buildings, trees, and streets to manage power deliberately.

"Annapolis has been designed to manage people in two different ways over three centuries. And the record of these efforts is archaeological."

—STEPHEN SOBEK



Zoe Burkholder and Sondra Silver carefully work the soil.



Katie Riemer "digs" her work.



# Take note

## Professionals Master Engineering

To help practicing engineers meet the demands of their rapidly changing field, the A. James Clark School of Engineering will begin offering a Professional Master of Engineering program this fall.

The 30 credit-hour program will be an affordable way to give practicing engineers a comprehensive offering of engineering courses in specializations ranging from reliability engineering and electronic packaging to aerodynamics and propulsion. Departments participating include aerospace, civil, electrical, fire protection, mechanical, reliability and systems engineering, said Patrick Cunniff, professor of mechanical engineering and acting associate dean of the new program.

Cunniff said that because of the downsizing of the nation's defense establishment, many of the state's engineers are being forced to reevaluate their careers. The program is intended for technically trained individuals with baccalaureate degrees in engineering, computer science, and related fields who are currently pursuing engineering careers.

The goal of the program is to enroll 400 students during the 1994-95 school year. That number should increase to 800 for the 1995-96 school year, and should level out at 1,000 students beginning with the 1996-97 school year.

Initially, classes will be offered at College Park and Shady Grove, with additional areas throughout Maryland proposed for later dates.

## An Exceptional Exploration

Thirty outstanding high school juniors and seniors got an inside look at food production, the environment, and agriculture in EXPLORE AG '94, a new program launched this summer by the College of Agriculture, the Governor and the Secretary of Agriculture.

The Governor's Summer Scholars Program in Agriculture and Natural Resources, which ran during the last week of June, was designed to expose high school students to opportunities for higher education and careers in agriculture (Maryland's largest economic industry), food and natural resources. Activities, on and off campus, included everything from bird brain cell imaging and computer farming simulation games to tours of egg laying and robotic milking operations. The students also toured a nursery, aquaculture lab and a crab process facility, and explored legislative and environmental issues as they relate to agriculture.

Participants began the week with hands-on laboratory activities at College Park involving such diverse topics as soil and water quality, wildlife management, diet management and the quality control and testing of ice cream. Participants and faculty then went on field trips to connect the laboratory exercises to real-life settings.

A visit to Annapolis for a legislative discussion and a stream walk on the Eastern Shore were also part of the EXPLORE AG program.

The participants, who were students

entering 11th or 12th grade next fall, were chosen from schools throughout Maryland based on their academic qualifications, extracurricular activities and plans for future study and careers.

## Defenders of Diversity Honored

The university's Lesbian and Gay Staff and Faculty Association recently presented its first two Defenders of Diversity Awards to Hank Dobin, former chair of the 1993-94 College Park Senate, and Art Eckstein, chair of the Senate's Human Relations Committee. The two faculty members were instrumental in the senate's recent passage of three resolutions to extend benefits to domestic partners of both heterosexual and gay and lesbian employees.

A large number of colleges and universities offer domestic partner benefits, including Arizona, Brown, Chicago, Colorado, Columbia, Georgia State, Harvard, Iowa State, MIT, Michigan, Minnesota, Ohio State, Pennsylvania, Princeton, Stanford, Texas, Vermont, Wisconsin and Yale.

## A Scholarly Orientation

A special orientation to the College Park Scholars (CPS) program was held in June for the approximately 250 incoming freshmen, second semester freshmen and sophomores who will begin the program this fall.

The students were able to take placement exams, meet with advisors, go on a campus tour and learn more about what to expect in the fall.

Students chosen for this program were selected on the basis of academic talent (at least a 3.0 GPA and 1100 SAT score) and expressed interest in one of the four focus areas: College Park Scholars in International Studies, College Park Scholars in Life Sciences, College Park Artists and College Park Scholars in Science, Technology and Society.

Among the activities were introductions to the CPS Artists and CPS Science, Technology and Society programs. Professor Edward Walters, director of the artists program, arranged for a short musical performance followed by a group discussion of the musical. Professor Vincent Brannigan, director of the science program, held a mock court session on a product liability case that involved decisions about scientific and social responsibility. Expert witnesses presented evidence and students were assigned to jury panels to decide the case.

Parents also attended many of the activities.

## Sailor Assists Surfers

Maryland residents can now surf the information superhighway for free thanks to a new state-run gopher site called Sailor.

Tested through the Computer Science Center here at the university, this project of the state's library system was originally known as the "Seymour Puppy" project. It is now in the process of moving to the Enoch Pratt Free Library in Baltimore. Local phone numbers will be offered on a county by county basis over the next three months, enabling users to dial in toll free.

Sailor will have a 192-phone line capacity and will also offer e-mail, telnet and Usenet hookups. The gopher

site's start-up and first year of operation will be federally funded as the project is intended to become part of the Clinton Administration's National Research and Education Network.

Ronald Larsen, associate director of Information Technology and Ronald Borgenicht, systems analyst for the Computer Science Center, both assisted the state in getting Sailor up and running.

## 2,000 Compete in National History Day

Eight individuals and six groups emerged winners out of 2,000 students from 47 states who competed in the National History Day competition at the university in June. The competition begins each fall with 450,000 students and 50,000 teachers at the local level, and culminates at the national competition held every summer at the University of Maryland at College Park.

The students competed in four main categories: historical papers, historical projects (similar to science fair projects), media entries on video or slide-with-sound, and performances based on original scripts they researched and wrote themselves. Each category has junior and senior levels as well as group and individual divisions. This year's theme was "Geography and History." First, second and third place prizes of \$1,000, \$500 and \$250, respectively, were presented in addition to numerous special awards.

"This is good news in education," said Gordon McKinney, director of National History Day. "Here we had 2,000 young people and 500 teachers who are excelling in education. They are not into violence or drugs. They are doing thoughtful, highly creative work that clearly demonstrates their devotion to learning. This year's competition was an impressive showing of talent."

This year marked National History Day's 20th Anniversary. The competition has its roots in a local history contest established at Case Western Reserve University in Cleveland, Ohio, in 1974. Supported by a grant from the National Endowment for the Humanities, the contest expanded to encompass all of Ohio by 1976. During the following three years, the contest was replicated in Kentucky, Indiana and Iowa, and a regional competition was held in Cincinnati. By 1980, a dozen additional states became members of a national organization and the first national competition was held at Georgetown University.

Since 1981, the national contest has been held at UMCP. In 1992, the National History Day organization moved its national offices and headquarters to the university.

## Science Whiz Awarded Key Scholarship

Nathan Moody, of Cumberland, was recently honored at a luncheon for his academic achievement in the field of physics. Moody, who was named national champion of the 1994 Junior Science and Humanities Symposium, received a four-year scholarship from the University of Maryland through the prestigious Francis Scott Key Scholarship Award and begins studies this fall.

The event was cosponsored by the university, the Allegany County Chamber of Commerce and Maryland

# In brief

**Crash Course in Comets**—The Astronomy Department will hold a series of special open house programs at the UMCP observatory on July 18, 19 and 20, from 8 p.m. to 10 p.m., to view Comet Shoemaker-Levy 9's crash into the planet Jupiter. Astronomers will be present to talk about the collision and to answer questions. Weather permitting, there will be telescope viewing of Jupiter—a great sight even without the collision. And in celebration of the first lunar landing, on July 20 those at the observatory will be able to view the moon through telescopes. For more information, call 405-1512.

**Come to the Fair**—On Wednesday, Aug. 10, from 10:30 a.m. to 3:30 p.m., the University Health Center invites you to the second annual faculty/staff health fair. Events include: vision screening, glaucoma testing, blood pressure screening, testicular self exam instruction, and information on smoking cessation, colon cancer, skin care, and exercise/fitness. All events are free. Stop by to learn more about what the Health Center can offer you. Call 314-8128 for more information.

**Career Movers**—The Job Referral Service has moved to the Career Center, located on the third floor of the Hornbake Library-South Wing. With the exception of College Work Study and Community Service Learning positions, the development of part-time, temporary and summer student employment opportunities on- and off-campus will be administered by the Career Center. The staff and operations of the Job Referral Service will be moved from 0119 Hornbake to the Career Center suite (3121 Hornbake) in early August. For further information, call 314-8324.

Speaker of the House Casper Taylor Jr.

In his keynote address Taylor applauded Moody's achievements and praised the university's academic program.

## Rewarding African Studies

The Committee of Africa and Africa in the Americas awarded 16 grants to faculty and graduate students for the 1994-95 academic year. The awards will provide support for research and scholarly activities on issues related to Africa and the African diaspora. The faculty winners are: A. Lynn Bolles, associate professor of women's studies; Robert Jackson, associate professor of human nutrition and food science; Ollie Johnson, lecturer in government and politics; Nicole King, lecturer in English; Robert Levine, associate professor of English; Shirley Logan, associate professor of English; and Lorna Shaw, associate professor of speech.

The graduate student winners are: Anne Carroll, English; Christina Clarke, art history; Lazaro Lima, Spanish; Kevin Meehan, comparative literature; Sujata Moorti, journalism; Katherine Rodowsky, English; Marie Jenkins Schwartz, history; Donald Shaffer, history; and Psyche Williams, American studies.



# Looking Back

*Professor Emeritus Rescues Historical Photos of UM Past*



Leeland Scott

In retirement, Leeland Scott relies on two hearing aids and a snappy wit. When recounting the story of his College Park beginnings, the professor emeritus of horticulture is prickly. "War had broken out. They took whoever they could get to be on staff."

Scott arrived at Maryland in 1941 with a wife and two little girls after teaching for 10 years at Clemson State. These days, he works—or putters—at his office in Holzapfel Hall once a week.

It was in the attic of Holzapfel that Scott came across two boxes of historic prints of the university and turn-of-the-century glass photographic plates. So he called Anne Turkos, associate curator of archives and manuscripts to see if she might be interested.

The photographs on this page are just a few of the many Scott saved from



"This is a tug-of-war, across Paint Branch Creek, between the freshman and sophomore class in the early 1900s. You can tell who the freshmen are. They wore beanies."

the trash. Now catalogued and snugly packed in boxes in the archival attic that is the Maryland Room, they constitute a part of the university's vast photographic history. As we speed along to the end of the century, *Outlook* will feature a regular "Time Capsules" column to recapture College Park's past.

This retrospective is narrated by Leeland Scott, a man who says he doesn't quite go back to glass plates but doggone close to it.



"This photo was taken at the groundbreaking for the new horticulture building in 1932. Mark Shoemaker was here to be a design person but became Curley Byrd's handyman. He was his chauffeur as well. Byrd was a night person. The lights were on in his office all night. Sometimes he would have an idea and wake Shoemaker in the middle of the night, and drag him out of his bed."

"Byrd thought a building ought to have columns and presto, it had columns to make it like all the other buildings with columns. Byrd deserves a lot of credit—or not a lot of credit if you don't like columns."



"This is Thomas White in 1905, the father of Richard White, who worked at the university, and the grandfather of Dick White, who works in grounds maintenance today."



"Founders gate was a stone wall, two feet high and 18 inches thick, built from the gateway to the Rossborough in 1916 from debris remaining from the barracks that burned in the main building fire of 1912. The other stones were thrown into Paint Branch Creek, south of the present south gate."



"A temporary dining/recreation hall was erected after the great fire. Known as Splinter Hall by cadets, it served until the dining hall was built in 1928."



"This photo was taken at about the turn-of-the-century. It has a funny name: Special corn party. Before the [cooperative] extension service that the university now operates, they had demonstrations by lecturers who traveled by train to give information to farmers around the state."



"At the crossroads where the Metro Station is today."



"Traffic in College Park in the early 1900s."