



The University of Maryland College Park

OUTLOOK

February 9, 1987

News Briefs

Calling Deans, Directors and Managers

"An Overview of the Personnel Services Function...Helping Us to Help You," is the name of a seminar to be held on Feb. 25 from 9 a.m.-4 p.m. in the Maryland Room of Marie Mount Hall. Pre-registration is necessary and those planning to attend should call the employee development section at x4811. John Thompson, manager of employee relations and development for the Department of Personnel Services, says the seminar is aimed especially at new deans and their assistants, managers and directors, but that anyone may attend. "The Chancellor has made it clear that he wants everyone, particularly newcomers, to know exactly how the campus operates and what the processes are for getting things done with the least amount of difficulty," says Thompson. "We are anxious to provide departments with all the information they need to head off potential problems by making use of our services."

Outlook Mailing to Lifetime Alumni

More than 4,300 lifetime alumni of The University of Maryland will soon begin receiving copies of *Outlook* each week. Because of mailing costs, *Outlook* will be mailed via bulk rate which may delay arrival. Consequently, alumni readers may find that some calendar items may be out of date. However, we hope that UM alumni will find the articles and information in *Outlook* of interest.

'Father of the Classical Guitar' Will Perform Benefit Concert

The maestro of the classical guitar, Andres Segovia, will perform this spring at UMCP.

Segovia will play a benefit concert for the Maryland Summer Institute for the Creative and Performing Arts at 8 p.m. Wed., April 8, in the Memorial Chapel. The Spanish guitarist also will be awarded an honorary Doctor of Fine Arts degree.

Segovia, 93, is credited with bringing the guitar into the mainstream of classical music.

Joseph McLellan last year wrote in *The Washington Post*, "Segovia is the last of the giants who revolutionized music earlier in this century by putting the spotlight on previously forgotten or neglected instruments...his biography is a large segment in the total history of his instrument."

Segovia offered to perform at UMCP in appreciation of the institute's First American Classical Guitar Congress held here last summer, says institute executive director George Moquin.

The Congress had been held in honor of Segovia. The musician was unable to attend, but later indicated his desire to perform at UMCP this year, Moquin says.

Admission to the benefit concert is by invitation only.

To request an invitation, interested persons should contact the institute office at 454-5276. Because the concert is a benefit, invitation holders are asked to make a contribution of at least \$25, Moquin says. Persons making a contribution of \$100 or more will be invited to a reception following the concert.

About 1,000 seats will be available for the concert. ■

—Brian Busek



The world-famous guitar virtuoso, Andres Segovia, will perform in the Memorial Chapel on April 8th.

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University Budget Hearings Begin Next Week

On February 18 at hearings in Annapolis legislators will begin to review the University's fiscal 1988 budget which will take effect next July 1.

The House Appropriations Subcommittee will hold its first hearing Wed., Feb. 18, at 2 p.m. in Room 130, House Office Building. The Senate Budget and Taxation Committee will hold its first hearing Wed., Feb. 25 at 1 p.m. in Room 100, Senate Office Building.

If the General Assembly approves the University budget recently recommended by Gov. William Donald Schaefer in his State of the State address, College Park will receive \$245.4 million for its State-Supported Program, a 7.3 percent in-

crease over this year's operating budget. The governor's proposed budget includes \$4.2 million (1.73 percent) more than College Park requested, a good portion of which will be used for much needed repair of campus buildings.

If the University budget is approved as it now stands, the College Park Campus State Supported Program will include \$160,870,457 in General Funds, \$78,534,336 in Special Funds, and \$6,002,116 in Federal Funds. Since state law requires a balanced budget, the General Assembly is able to cut money from the governor's budget, but cannot add to it.

The proposed University budget contains approximately 4 percent for faculty merit increases. Since this in-

cludes \$1.2 million University-wide for recruitment and retention of outstanding faculty, the increase actually amounts to an average faculty and professional staff merit increment of 3.5 percent for the College Park Campus. Classified staff will receive step increases, and a 2.5 percent cost-of-living (COLA) increase for all state employees is also proposed.

The budget includes a significant new initiative—first time funding of \$5 million to be used University-wide to begin to address the long-standing and increasingly critical problem of deteriorating physical plant and infrastructure. This money marks the first phase of a proposed four-year

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RESEARCH UPDATES

Migratory Birds Take Wing in UMCP Wind Tunnel

The campus Glenn L. Martin Wind Tunnel has been used to test the aerodynamic design of aircraft, automobiles, trucks and ship hulls. It has been employed to study the effect of high winds on traffic signals, buildings, and street signs.

And for three days before Thanksgiving, it was a place where the flight of migratory birds was simulated, a research project being conducted under a cooperative agreement between the University and the Department of the Interior's Fish and Wildlife Service.

The Service, explains wind tunnel director Jewel Barlow, has been experimenting with ways of tracking migratory birds and animals by attaching small radio transmitters to them and using handheld, airborne and now satellite receivers to monitor their whereabouts.

The Service eventually hopes to launch a new program to trace the movement and location of migrating birds such as waterfowl and raptors using radio receivers aboard orbiting satellites.

However, Barlow says, scientists need to anticipate the effect transmitter size, weight and especially aerodynamic configuration might have on birds that during the course of their migration may fly hundreds or even thousands of miles.

The research at UMCP will be used to gain preliminary data on aerodynamic drag on bird bodies and the additional drag that is created by various transmitter shapes, says Mark Fuller, a wildlife biologist with the Migratory Bird Research Group of the Patuxent Wildlife Research Center in Laurel.

Using the bodies of birds that had been illegally killed by hunters and confiscated by Fish and Wildlife Service officers, Barlow, Fuller, Holliday Obrecht, another biologist from the Patuxent center, and Colin Penrychick, an expert on bird flight mechanics from the University of Miami, obtained drag measurements

on the bodies of several species that included a snow goose, a tundra swan, a bald eagle, a green-winged teal, a broad-winged hawk, and a mallard duck.

During the course of the three days of testing, Barlow says, the birds' bodies were kept frozen with necks extended to simulate their normal patterns of flight.

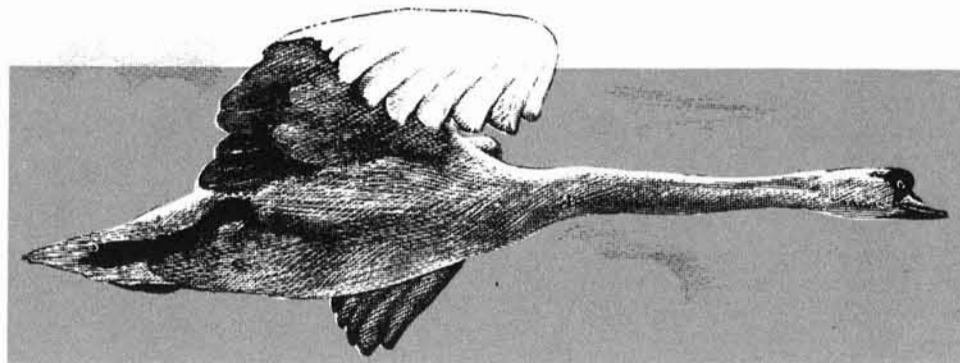
After obtaining drag on the birds in flight configuration, the researchers added transmitter models with various contours to the birds.

"In effect, we were testing the streamlining of these transmitters and their ability to decrease air resistance, or drag, on birds in simulated flight," Barlow says. "It is the first time anybody has tried to do something like this using the resources of a major wind tunnel. Initially we had to sort out just how we would measure drag. The force levels are quite small and require very precise measurements compared to most other aerodynamic studies at the tunnel. We have an ongoing and cooperative relationship with the Fish and Wildlife Service people, and as the data is analyzed we expect we will continue this project with them."

A Tid-bit from the Past

In the 1940s, the M-Book served as the campus' official student handbook. It contained a detailed code of behavior and generally took the form of graduated restrictions based on class year. Freshmen had the most restrictions and seniors the least. After World War II, when enrollment

doubled from 4,897 in 1945 to 9,792 in 1946, fewer rules remained even for freshmen. The major rules had to do with attendance (required) and behavior (spirited) at athletic events. In an effort to take a more positive tone, the M-Book contained such phrases as "Every smooth freshman would know. . ."



Broadcasts from the low power transmitters, no larger than a package of cigarettes, rely on clear, line-of-sight transmissions for reception by satellite. Depending on the type of bird to be tracked, transmitters can weigh from less than a gram with reception of only a mile or so to up to 220 grams.

Signals from the tiny broadcast station probably wouldn't carry from the Wind Tunnel Building to Outlook's Turner Building offices, Barlow says, because of trees, other buildings, vehicles and pedestrians. However, the satellite receiver can pick up its transmission from hundreds of miles away.

With this improved ability to follow migratory birds, wildlife management officials say they will be able to improve their understanding of the demographics of wildlife populations.

"Being able to track an individual bird by radio is another field technique that can be used by wildlife biologists," says the Patuxent center's Fuller. "We will be able to better identify the habitats of migrating wildfowl, to pinpoint feeding and nesting areas, and for how long they are used, and the effect adverse weather may have on migration patterns." ■

—Tom Otwell

Providing First-rate Computer Advice to Third World Managers

The Third World's use of computers is growing every day, and a UMCP international management specialist wants to insure that the leaders of these developing nations make informed decisions on their computer needs.

Marcus Ingle is coauthor of the revised edition of *Microcomputers in Development: A Manager's Guide*. He is currently the Director of UMCP's International Development Management Center, which is a research unit of the Office of International Programs housed within the College of Agriculture and the College of Life Sciences. Ingle says the book is a primer for leaders of developing nations, telling them how microcomputers are acquired, set up, and used properly. First published in 1983, this second edition appeared in November, 1986.

"Microcomputers are proliferating to all parts of the world, and there is a hype involved with that proliferation—that they will solve all of your problems," Ingle says. The goal of the book, according to Ingle, is to cut through the exaggerated claims and give managers practical information concerning what computers can do and what they cannot do.

It answers such basic questions as: Do I need a computer? How do I buy one? What software do I need? How can I get it serviced and repaired? How much will all this really cost? Such questions are taken for granted in technologically advanced nations like the United States, but are vital to managers in developing



nations. Ingle says the book makes an ex-

cellent text for management courses and that many local governments in the United States have expressed an interest in a domestic version. "It's filling a real knowledge gap," he says. ■

Case Studies of Building Failures Developed

Some 500 case histories of structural failures in buildings collected from all 50 states have been assembled in a computerized data base by UMCP civil engineers.

The information is expected to be available for use by the engineering profession and general public in April.

The data base was developed by the University's Architectural and Engineering Performance Information Center (AEPIC) under a \$50,000 grant from the National Bureau of Standards' Center for Building Technology.

"The intent," says Charles Culver, chief of the CBT Structures Division, "is to develop improved criteria for codes and standards pertaining to performance of building structures based on lessons learned from investigations of structural failures in the past. The data will be available to assist designers, manufacturers, constructors, code writers and regulatory officials, and building owners in avoiding similar future failures."

The National Bureau of Standards has been authorized by Congress to

initiate and conduct investigations to determine the causes of structural failures in buildings used or occupied by the general public, Culver notes.

Donald Vannoy, UMCP associate professor of civil engineering and co-director of AEPIC, says all case histories in the data base involve structural failures unrelated to natural events such as earthquakes, flooding or high winds. All were collected from cases that have gone through the appeals process of either state or federal courts and adjudicated by a judge or panel of judges, he adds.

"These are structural failures of buildings of all types—high rises, hotels, offices, hospitals, shopping centers, sports arenas," he says. "Because all the cases have been ruled on by the courts, they are extremely well documented, contain complete technical information and are not the subject of third-party interpretation or speculation as to the cause of the failure. That's what makes them so useful."

Those interested in contacting AEPIC for more information should call 935-5545. ■

OUTLOOK

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UMCP Expects Funding of One Third of its Capital Budget Request

If the State Legislature approves the governor's recommendations for next year's University Capital Budget, College Park will receive \$13 million in FY '88—just about one third of the \$39.9 million the University believes is necessary if it is to meet its highest priority capital improvement needs over the next year.

"This is obviously less than we hoped for and significantly less than we received this year," says Warren Kelley, who is coordinating the Capital Budget this year for the first time as part of his job in the Office of Resource Planning and Budgets.

College Park listed 24 projects as its highest priorities for funding in next year's request, but the governor recommended that just nine of the projects be funded. Money for two other projects—PCB transformer replacement and asbestos control—is scheduled to be administered by the Maryland Dept. of General Services.

With the project to convert the Bureau of Mines building to a Microbiology building now 98 percent completed, this number one priority item in the Capital Budget calls for almost \$1.4 million in funding for supplemental construction and built-in equipment for that building.

The second highest priority—a requested \$920,000 for equipment for the Veterinary Science Research Center scheduled to begin construc-

Budget Hearings Begin Next Week


continued from page 1

approximately \$20 million plan aimed at ultimately providing adequate funding for major maintenance and repair of aging facilities and refurbishing of classrooms and labs in need of upgrading.

Of the \$4.2 million in additional funding recommended by the governor, \$2 million is designated specifically for inclusion in the College Park budget for facilities renewal projects on the campus.

The governor also recommended additional funding for several other important College Park requests, including \$1,250,000 in additional funds for instructional and data processing equipment which will allow for increased academic support by the Computer Science Center and for the purchase of more instructional equipment; \$400,000 for library collection enhancement; and \$650,000 and 3 new positions to support the new Maryland Industrial Partnerships program, a non-instructional program that supports University-industry cooperation by matching funds through the College of Engineering. ■

—Roz Hiebert



UMCP CAPITAL BUDGET FOR FY 1988
(The following projects in the UMCP Capital Budget were recommended for funding by the Governor.)

PROJECT	CAMPUS REQUEST	GOVERNOR'S RECOMMENDATION
Conversion, Bureau of Mines Building to Microbiology Building	\$1,395,000 (E)	\$1,395,000 (C,E)
Veterinary Science Research Center	920,000 (E)	485,000 (E)
Animal Science / Agricultural Engineering	4,635,000 (C,E)	3,380,000 (C)
College of Business Management / School of Public Affairs	675,000 (P)	915,000 (P)
Utilities: Extension / Replacement	6,945,000 (P,C)	5,025,000 (P,C)
MFRI Vehicle Storage, Maintenance and Classroom Building	430,000 (C,E)	535,000 (C,E)
PCB Transformer Replacement	1,695,000 (C)	*
Building Safety Modifications, Phases VI and VII	1,780,000 (P,C)	300,000 (C)
Asbestos Control	1,045,000	*
McKeldin Portico: Repair and Column Replacement	340,000 (C)	340,000 (C)
MFRI Training Academy Grounds (supplemental)	766,000 (C)	700,000 (C)
(P) PLANNING	(C) CONSTRUCTION	(E) EQUIPMENT

* Funding for both Asbestos Removal and PCB Transformer Replacement will be appropriated to a central fund to be administered by the Department of General Services.

tion in May was funded for \$485,000 in the Governor's Allowance.

UMCP's third-highest priority project in the Capital Budget request is construction and equipment monies for the first phase of Animal Science/Agricultural Engineering. UMCP received just over \$3.4 million in the Governor's Allowance, for the construction portion only, rather than the \$4.6 million requested for both construction and equipment. This money will be used for two additions and renovations to parts of the building.

In one case, planning for a new building, more money was recommended than requested—the gover-

nor calls for \$915,000 rather than the \$675,000 UMCP asked for. This money will be used to begin planning a new College of Business Management/School of Public Affairs building to be located south of the Architecture building.

Another important priority in the UMCP budget request is \$6.9 million for utilities extension and replacement. In response to this almost \$7 million high priority item, the governor recommended that \$5 million be allotted to planning and construction of a number of utilities extension and replacement projects. But most of the money is targeted specifically for replacement of the campus' obsolete

underground conduit system which holds all of the campus' telephone, electrical, and data transmission lines. About \$4,685,000 will be used to replace this aging conduit system with a brand new one, a project that coincides with installation of a new telephone system in FY '88, says Kelley.

Though the budget addresses some of UMCP's most critical needs, a number of other important capital needs College Park listed as priorities once more remain unfunded in the Governor's Allowance. These include: \$1.4 million for Phase II of the North Fields development; \$825,000 in planning funds for alteration and additions to the Computer and Space Sciences building; \$285,000 to plan a multiple use academic facility; \$1.7 million in construction money for fire alarm systems installation and replacement; \$3.9 million for renovation of the Maryland Fire and Rescue Institute, known popularly as the fire station; \$1.3 million in planning money for the Plant Sciences building; \$390,000 for 3 vehicular circulation improvements; \$85,000 in planning for steam plant boiler replacement; \$730,000 for construction and equipment of the Northeast MFRI Regional Training Center; \$1.6 million for expansion of the Instructional Television System; and \$2.5 million for land acquisition.

In terms of how the crisis of "a crumbling campus" will be dealt with in the future, Kelley indicates that the approach today, versus that of two years ago, is to try to obtain more funding within the operating budget, specifically for the renewal of existing facilities, thereby gaining greater flexibility to use the money in the most efficient ways.

Kelley points to the \$2 million in new funding for facilities renewal projects included in the proposed operating budget as a major step in this direction. ■

—Roz Hiebert

General Electric Awards Scholarship Funds

The General Electric Company has announced that it will award \$50,000 to UMCP to support graduate students in computer science and engineering who plan careers in higher education.

Called the Teaching Incentive Grant, the scholarships will be awarded over five years. UMCP is one of five U.S. universities to receive such a grant from GE as part of the company's commitment to excellence in both teaching and scholarship in higher education.

The announcement was made at a campus ceremony Feb. 4 by Robert R. Hench, Vice President and General Manager, Information Processing Technology, General Electric Information Services Company, GE's Rockville-based computer network services division.

The relationship between GE and UMCP has been developed locally by Hench who was named company liaison with UMCP in 1981. GE also provides eight scholarships annually to the Computer Science Dept. and two to the College of Engineering. Last year it donated \$15,000 in aid to both graduate and undergraduate students, and recently renewed a \$20,000 grant to help support UMCP's Electric Power Education Program. GE also contributed some \$72,000 worth of equipment to the Colleges of Engineering and Journalism.

During the ceremonies, Hench was presented with the first Distinguished Service Award of the College of Engineering. Dean George Dieter said the award was established this year to recognize leadership and support

of the College.

In a related development, the General Electric Foundation announced last month that it has selected UMCP as one of 16 universities to receive a GE Foundation Minority Scholars Program scholarship, a new program aimed at improving the quality of the nation's minority engineering graduates.

The annual \$5,000 scholarship will be awarded to a minority student with a B or better average grade and enrolled fulltime in an undergraduate engineering program. Recipients will be selected after the first semester of their freshman year. The scholarship will be effective in the student's first semester of the sophomore year and will be renewable for two additional years. ■

Music Program for Young Children

A new UMCP music program will give parents a chance to help their children discover music. *A Time for Sharing: You, Your Child and Music*, is an eight-week program of participatory music activities designed for children six months to six years old. The weekly sessions include ac-

tivities involving both children and their parents. The classes, running Feb. 14-April 11, will be held on the College Park Campus and will be taught by T. Clark Saunders, a UMCP assistant music professor, and Dawn Baker, a West Virginia University associate music professor. For more information, call 454-2751 or 454-7643.

CALENDAR

February 9—February 16

MONDAY

February 9

James W. Cowan, the director of international affairs for the National Association of State Universities and Land-Grant Colleges, will speak about **The Crisis in Foreign Affairs and its Impact on University Programs** at noon in 2118 South Administration Bldg. Call x3008 for info.*

The Counseling Center will sponsor an **R&D Meeting** on "Racial Identity in the Counseling Process" featuring Janet Helms (UMCP) from noon-2 p.m. in the Testing Room of Shoemaker. Call x2931 for info.*

"Resume and SF-171 Tips," the third of four workshops on **Job Search Strategies for Minorities**, will be held from 2-4 p.m. in the Nonprint Media Services Center of Hornbake Library. Call x2813 or x4901 for info.*

Scott Wolpert (UMCP) will deliver a **Math Colloquium** titled "Cut, Paste and a Little String Theory" at 3 p.m. in 3206 Mathematics Bldg. Call x2841 for info.*

Chee Ng (UMCP and Univ. of Malaya) will discuss "Interplanetary Transport of Solar Energetic Particles" at a **Space Science Seminar** at 4:30 p.m. in 1113 Computer and Space Sciences Bldg. Call x7313 for info.*

John Carlson (UMCP) will speak about "The Ancient Maya Culture: Clues from Paint Tomb -12, Rio Azul, Guatemala" at a **History and Philosophy of Science Colloquium** at 4:15 p.m. in 1117 Francis Scott Key Hall. Call x2850 for info.*

Plasma Physics Seminar, title and speaker to be announced, 1:30 p.m., 1207 Energy Research Bldg. Call x3511 for info.*

J. David Allan (UMCP) will speak about "Sexual Selection and Swarming Behavior in Mayflies" at an **Entomology Colloquium** at 4 p.m. in 0200 Symons Hall. Call x3843 for info.*

The **Guarneri String Quartet** will conduct an open rehearsal at 7 p.m. in the Tawes Recital Hall. Call x6669 for info.*

TUESDAY

February 10

Gaurang B. Yodh (UMCP) will deliver a **Physics Colloquium** on "The Cygnus Experiment" at 4 p.m. in 1410 Physics. Call x3511 for info.*

Women's Basketball vs. Wake Forest, Cole Field House, 6:30 p.m.

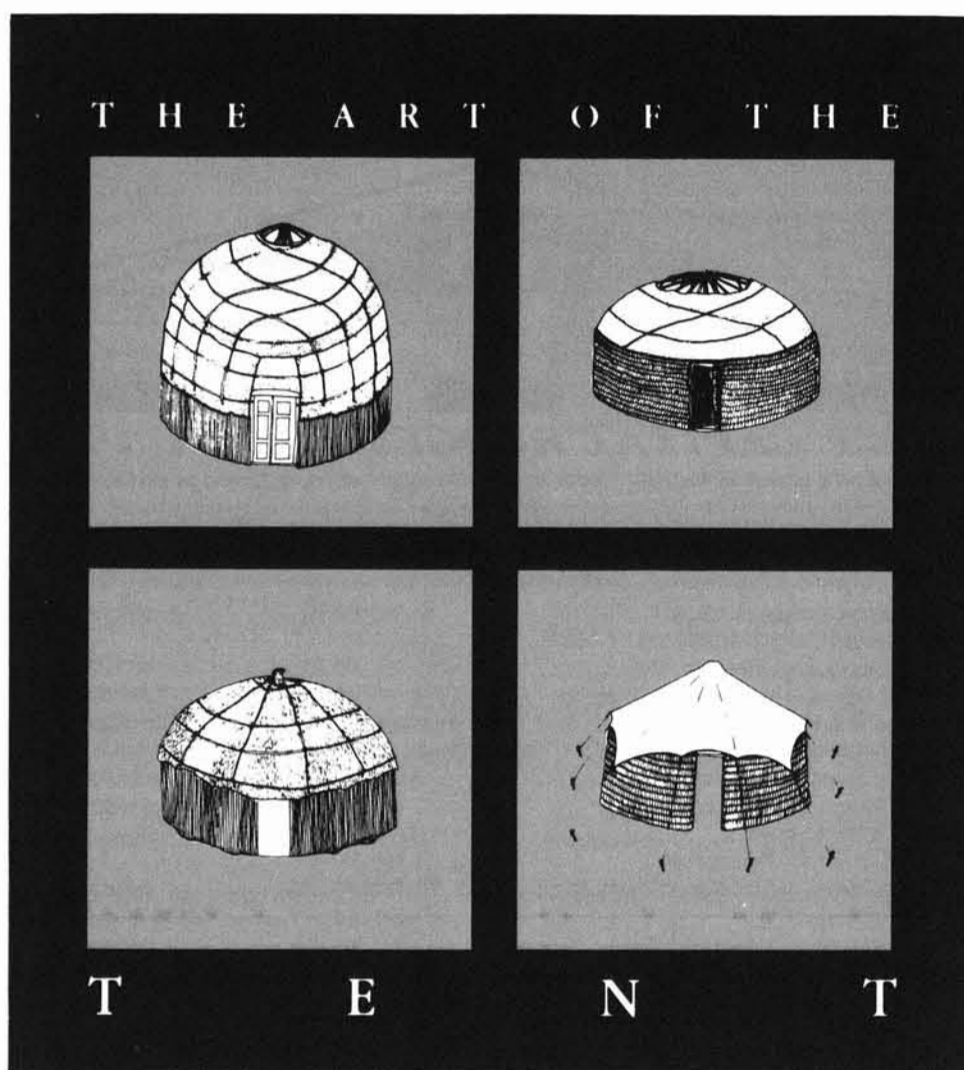
Men's Basketball vs. Georgia Tech, Cole Field House, 9 p.m.

Movie, "No Mercy," 7 and 9:30 p.m., Hoff Theater. Call x2594 for info.

WEDNESDAY

February 11

Counseling Center R&D Meeting: Barbara Jacoby and Martha Baer Wilmes of UMCP's Office of Commuter Affairs will speak about "UMap's New Face on Campus: Where it is—Where it is Going" from noon-1 p.m. in the Counseling Center Testing Room of Shoemaker Hall. Call x2932 for info.*



THE ART OF THE TENT exhibit will take place in the School of Architecture from February 6—March 6. The hours are T, W, F, 1:00-4:30 p.m., and Sunday 1:00-5:00 p.m.

In celebration of Black History Month, Harry J. Elam (UMCP) will discuss the **History of Black Theater** from Langston Hughes' "Mulatto" (1930) to Charles Fuller's "A Soldier's Play" (1982). Noon-1 p.m., 3123 South Campus Dining Hall. For info call x6790.*

UMCP's Women in Development Group will host a colloquium on **Women and Agricultural Production in Guinea-Bissau, West Africa** from noon-1:30 p.m. in the Maryland Room of Marie Mount Hall. The featured speaker is Joana Dulce Castleton, who worked for three years on the crop protection project in Guinea-Bissau. Call x3601 for info.*

Astronomy Colloquium: John B. Carlson (UMCP) will speak about "Venus and Ritual Warfare in Ancient Mesoamerica: New Light from the Maya Grolier Codex" at 4 p.m. in 1113 Computer and Space Sciences Bldg. Call x3511 for info.*

Movie, "No Mercy," 7 and 9:30 p.m., Hoff Theater. Call x2594 for info.

THURSDAY

February 12

"Job Fair Strategies," the last of four workshops on **Job Search Strategies for Minorities**, will be held from 2-4 p.m. in the Nonprint Media Services Center of Hornbake Library. Call x2813 or x4901 for info.*

Condensed Matter Seminar: M. Randeria (Cornell Univ.) will lecture on "Resonant Modes, Phonon Localization, and Thermal Anomalies in Glasses" at 3 p.m. in 4208 Physics. Call x3511 for info.*

George J. Huffman (UMCP) will speak about "Doing Meteorology in 1987:

Digital Real-Time Data and What to Do About It" in a **Meteorology Seminar** at 3:30 p.m. in the Meteorology Annex. Call x2708 for info.*

John Millson (UMCP and UCLA) will discuss "The Satake Compactification of Symmetric Spaces" at a **Math Seminar** at 4 p.m. in 1313 Mathematics Bldg. Call x2841 for info.*

Y. S. Kim (UMCP) will deliver a **Physics Seminar** on "Further Contents of Einstein's $E=mc^2$ " at 4:15 p.m. in 1410 Physics. Call x3511 for info.*

Wrestling vs. Navy, Cole Field House, 7:30 p.m.*

Movie, "Jumping Jack Flash," 7 and 9:30 p.m., Hoff Theater. Call x2594 for info.

"The Counter-Revolution in Pennsylvania, 1784-1786" will be the topic of a **History Seminar** at 8 p.m. in 1104 Stamp Student Union. Call x3795 for info.*

FRIDAY

February 13

Published Women Luncheon Series: Anne E. Imamura will discuss her forthcoming book, "Urban Japanese Housewives: At Home and in the Community," at noon in the Carriage House, Rossborough Inn. Call x3940 for reservations.

Musicologist Joshua Riskin will deliver a **Music Lecture** on "The Dispute Over Bach's Chorus—A Look at the Sources" at 12:30 p.m. in 2102 Tawes. Call x2501 for info.*

The UMCP Mental Health Service will host a **Lunch 'N Learn Conference** from 1-2 p.m. in room 3100E of the University

Health Center. Colin Frank (George Washington Univ.) will speak about "Clinical Hypnosis: The Positive Use of Dissociative States." Call x4925 for info.*

Movie, "Jumping Jack Flash," 7 and 9:30 p.m., Hoff Theater. Call x2594 for info.

Wrestling vs. Virginia, Cole Field House, 7:30 p.m.*

Midnight Movie, "Ferris Bueller's Day Off," Hoff Theater. Call x2594 for info.

SATURDAY

February 14

Gymnastics vs. West Virginia, North Gym, 2 p.m.*

Men's Basketball vs. North Carolina, Cole Field House, 4 p.m.

Movie, "Jumping Jack Flash," 7 and 9:30 p.m., Hoff Theater. Call x2594 for info.

The Music Dept. will sponsor a **Valentine's Day Concert** featuring the Aurn String Quartet from West Germany. The concert starts at 8 p.m. in the Tawes Recital Hall. Call x6669 for info.*

Midnight Movie, "Ferris Bueller's Day Off," Hoff Theater. Call x2594 for info.

SUNDAY

February 15

Richard Cionco, 1986 winner of the Homer Ulrich Distinguished Undergraduate Pianist Award, will perform a **University Community Concert** at the Tawes Recital Hall at 2 p.m. Tickets are \$6.00 and \$8.50. For more info, call x6534.

Movie, "Jumping Jack Flash," 7 and 9:30 p.m., Hoff Theater. Call x2594 for info.

MONDAY

February 16

Richard L. Hopkins (UMCP) will speak about "Long-Term Planning for Colleges of Agriculture: The Case of Burkina Faso" at an **Agricultural and Life Sciences Colloquium** from noon-1 p.m. in 2118 South Administration Bldg. Call x6407 for info.*

Math Colloquium: John Benedetto (UMCP) will discuss "The Definition of the Fourier Transform" at 3 p.m. in 3206 Mathematics Bldg. Call x2841 for info.*

Robert O'Neil (Purdue Univ.) will deliver an **Entomology Colloquium** on "Predator Search Strategy and Life History Characteristics at Low Prey Densities" at 4 p.m. in 0200 Symons Hall. Call x3843 for info.*

Women's Basketball vs. Georgia Tech, Cole Field House, 5:30 p.m.

Men's Basketball vs. Central Florida, Cole Field House, 8 p.m.

* Denotes free admission.

If you have an event you would like to include in the calendar, please submit it in writing at least 10 working days prior to the week in which the event occurs.



Affairs of the Heart

Be someone's sweetheart. Help save a life. The UMCP Health Center offers training in cardiopulmonary resuscitation (CPR) evenings from 6 to 9:30 p.m. Classes are scheduled through the end of April. For information, contact Mike Owen at 454-6513.

Lecture on Black Theater

Black theater will be the focus of an upcoming lecture by Harry Elam (Communication Arts and Theater). Elam, director of the Black Drama Workshop, will talk about black theater from the 1930s to the 1980s at noon Wed., Feb. 11, in the Nyumburu Cultural Center, 3123 South

Campus Dining Hall. In addition, students from the Black Drama Workshop will perform brief scenes from several plays. The lecture is co-sponsored by the College of Arts and Humanities and the Nyumburu Cultural Center and is part of the Collegiate Encounter Series.

ARTS AT MARYLAND

Valentine's Day—It Couldn't Have Happened in Roman Times

If Valentines had existed in ancient Rome, Valentine's Day would have been a complicated holiday.

In our day and age, the Valentine that a man sends to a female friend innocently and unambiguously says something like, "Won't you be my Valentine?"

In ancient Rome, such a Valentine for such a friendship would have demanded a twisted message along the lines of, "Won't you be my sister?" according to Judith Hallett, UMCP associate classics professor.

Modern Valentines have many socially acceptable meanings; they can be exchanged without controversy by Platonic friends as well as by lovers and spouses. The tradition indicates that all those kinds of relationships among men and women are acceptable.

The Romans had problems with men and women who wanted to be friends, says Hallett.

"The notion the Romans had is that if men and women weren't related by blood or marriage, then their relationship had to be sexual—and that meant there was some kind of impropriety involved," she says. Hallett, who studies male-female relationships in ancient societies, has presented a paper on the subject at several universities and academic conferences.

The Romans took a dim view of adultery to the degree that adulterous relationships were illegal under Augustus. If a man wanted to have a sexual relationship with a woman who was not his wife, only a slave or a prostitute was socially acceptable, Hallett says.

The dismissal of Platonic relationships appeared in the work of Roman authors from the Second and First Century B.C., she says.

The Latin word for a male friend, *amicus*, described an individual accorded respect and equality from another person. However, there was no comparable word for a woman valued as a friend. The feminine counterpart of *amicus* was *amica*, which signified a sexual companion—the sort who often accepted some kind of payment.

To avoid stigma, male and female friends used language describing a more respectable part of society to cloud the true nature of their relationship.

"Men who had women as friends often recast the relationship into familial roles," Hallett says. In the Roman literature, she has found many texts in which men describe their female friends as daughterly, sisterly or motherly.

Not everyone embraced the status quo, and one group—the love poets—had success in breaking down the sanction against male-female



relationships.

Hallett found that by the late first and early second centuries A.D., Platonic relationships had a better name in Roman literature. Poets such as Catullus wrote romantic poetry using the word *amicitia* to describe equal and respectful relationships with women. Their work helped ease the stigma attached to the male-female friendships.

"Romance often allows men and women to look at each other as equals," Hallett says. "In many romantic relationships, people chose each for reasons of attraction and affection. That implies mutual equality and friendship."

Perhaps then, Valentine's Day would have had a place in ancient Rome. A good romantic holiday might have let men and women be just friends. ■

—Brian Busek

UCC Concerts Feature Early Music Group and UMCP Pianist

UMCP's distinguished young pianist and an early music group head the University Community Concerts' playbill for the month of February.

Richard Cionco, a 22-year-old senior studying piano at UMCP, will play at 2 p.m. Sunday, Feb. 15, in Tawes Recital Hall.

The Ensemble for Early Music will perform at 3 p.m. Sunday, Feb. 22, in Tawes Recital Hall. The performance, part of UCC's 1986-87 Olde Musicke Series, will also feature a pre-concert seminar beginning at 1:30 p.m.

Cionco earned his chance to perform in a UCC concert by virtue of both his musical skill and a foot in the proverbial door.

Cionco's foot-in-the-door was his job last year as a student worker for UCC. The organization rarely features students in its concerts, but director Eva Hornyak told Cionco that she'd feature him in concert if he won the University's Homer Ulrich Distinguished Undergraduate Pianist Award.

This fall, the New Mexico native won the competition for the prize. Cionco previously has played with the Phoenix Symphony Orchestra and the Las Cruces Civic Symphony.

Cionco, who studies under professor Thomas Schumacher, will play six selections including pieces by Beethoven, Chopin and Franck.

The Ensemble for Early Music will devote its program to bawdy and satiric selections in a program entitled *Medieval Madness*. The five-member New York group has compiled selections from three major medieval works.

The *Roman de Fauvel* tells the story of a mule named Fauvel whose social rank rivals that of the pope. Written by a French clerk in the 14th Century, the poem mixes



Richard Cionco

liturgical chants and bawdy songs in a satirical story about the religious hanky-panky of the day.

Cantigas de Santa Maria are a collection of Gallician-Portuguese songs recounting miracles performed by the Virgin Mary. The songs were not originally intended as satire but, for a modern audience, fit with *Medieval Madness* because their stories are so farfetched.

The *Gambler's Mass* is a parody of the Missal that at first glance looks official and innocent. The piece is drawn from the *Carmina Burana*, a notorious group of secular Latin songs which feature gambling and drinking songs and parodies of religious songs and services.

For ticket information about both UCC concerts call 454-6534. ■

Teaching the Teachers Fine Arts

A UMCP program to prep Maryland high school teachers for their fine arts classes will continue next summer.

The Center for Renaissance and Baroque Studies was recently awarded a \$50,000 matching grant from the Maryland Humanities Council to continue its Interdisciplinary Summer Institute for Secondary School Teachers in Maryland. The matching grant will be combined with a \$50,000 grant from the Andrew W. Mellon Foundation.

The institute will conduct a three-week program designed to give secondary school teachers ideas for improving fine arts classes in their schools.

The program was started last year in response to a fine arts requirement that began in Maryland high schools in 1985, says Adele Seeff, executive director of the Center for Renaissance and Baroque Studies. In order to graduate, high school students must earn at least one credit in music, dance, theater or the visual arts.

Through the program, teachers broaden their scholarly background in the fine arts and gather ideas to use in their classes, Seeff says.

Thirty-five teachers will participate in the session which runs July 26-Aug. 14. Three UMCP professors and seven visiting professors will guide the program.

Richard Etlin (Architecture), Paul Traver (Music) and Larry Warren (Dance) are the UMCP faculty involved. Etlin is the director of the institute. ■

CLOSE UP

The Case for Black Philanthropy



DAVID TROZZO

Robert Steele

Two hundred eighteen billion dollars—not exactly chicken feed, is it?

That's how much black Americans will earn during 1987. But because the media focuses to a great extent on the deficiencies existing in the black community, few Americans—black or white—realize the extent of its economic potential.

Associate Professor of Psychology Robert Steele has been examining the economic trends of the black community for more than four years. As a clinical community psychologist, he is interested in the ways that black people use—or fail to use—the resources they possess to empower themselves.

"Because clinical psychology comes out of a medical model," Steele explains, "it tends to focus primarily on what's wrong with people rather than what's right with them. But I approach the subject from a different perspective, that of empowerment, and as such I'm more interested in strengths than in weaknesses."

This is why when Steele reads a headline stating that a 15% rate of unemployment exists among the nation's blacks, his immediate reaction is to mentally rewrite the headline to read: "85% of Nation's Blacks Are Employed." Similarly, when a television anchor-person announces that 30% of all blacks have incomes below the poverty level, Steele hears a different message—that 70% of American blacks have incomes above the poverty level.

"My point in looking at the black community's economic resources rather than its deficiencies is this," Steele says. "Black Americans need to realize that they have sustained a most effective economic boycott against themselves—and that it's time to put a halt to this boycott. Of the \$218 billion that black Americans will earn this year, only 7% will be spent with black businesses or donated in support of black causes. I believe, as do many others who study the matter, that strong measures must be taken now to

reverse this trend in black spending and charitable giving."

Steele recently completed a study of the one black owned and operated institution that has consistently and successfully utilized black economic support to achieve relative financial independence—the church. The study examines both the methods and the motivations used by the pastors of seven black congregations in the Washington, D.C. area.

"This study is a small part of a larger research program," Steele says. "Its purpose is to examine those factors that may prove helpful in designing programs for the development of strong financially self-supporting institutions within the black community."

Not surprisingly, Steele's study found that individuals who are religiously motivated are among a church's most generous supporters. "Having internalized spiritual values, it is easier for individuals to wholeheartedly accept the Biblical position on giving and increase their giving as they grow to adopt new attitudes concerning their spiritual well-being," reads the study.

"The study shows that the move toward higher giving is not a one-shot appeal, however," Steele adds. "It is up to the individual church to teach its members how to lead a more spiritual life, and to adopt tithing (the practice of committing 10% of one's annual earnings to the church) as a standard for Christian stewardship rather than emphasizing to them the general need to increase their giving."

In addition, Steele says, before people contribute to a church, they need to feel comfortable with the credibility and authority of the pastor and other church leaders. His study also makes it clear that bigger is not always better since members of small congregations tend to contribute more generously more often than parishioners of larger churches.

"This study helps create a model which can be used in developing economic strategies for the black

What's a Hug?

Associate professor of English Gene Hammond, the author of *Informative Writing* and other works, recently uncovered this data on the subject of hugs. A hug is: ecologically sound (does not upset the environment), energy efficient (saves heat), and re-

quires no special equipment. In addition, a hug makes happy days become happier, impossible days become possible. And most important, reports Hammond, a hug keeps on working to dispense its benefits even after the hug's release.

community," he says. "Just as the pastor of the successful black church has learned to recognize where the church's resources lie and how to manage those resources as well as create new ones, so too black entrepreneurs must develop similar plans. And, at the same time, the black consumer must be educated—'religiously motivated,' if you will—to the idea that he and she owes support to black businesses and black non-profit causes."

Steele is conducting related studies

of black college and university alumni financial support for the institutions from which they obtained their degrees and of black financial support of political candidates and causes. "The object is to find ways to help the black community separate itself from the notion that 'crisis management' is the only way to operate," he says. "We need definite strategies that will help us support ourselves through good times and bad times." ■

—Mercy Hardie Coogan

Len Elmore: Black Alumni Should Support Higher Education

Elmore left UMCP in 1974. For ten years he played in the National Basketball Association for the Milwaukee Bucks and both the New York Knicks and Nets, as well as several other teams. Now in his third year at Harvard Law School, after graduation this spring he will become an assistant district attorney in Kings County New York (Brooklyn).

grants and scholarships were readily available and the resulting opportunities blossomed into advancement.



Len Elmore

The University of Maryland opened its undergraduate doors to a single black student in 1954. Today, over 3,000 blacks pursue degrees of higher education at College Park.

For black Americans, the opportunity to attend college is an indispensable element of our growth as a people. Recently, greater emphasis has been placed upon the dependable and effective black colleges and universities. The pressure will only increase as the reality sets in that government grant money is drying up. Through direct contributions, donations to the United Negro College Fund, and various other funding sources, the black college structure continues to provide a number of students with the opportunity for a sound education.

Yet, as effective as these institutions may be, the resources necessary for meeting the goals of every eligible black student are not apparent. It is a safe assumption that a significant number of black high school students with college aspirations will choose to go to predominantly white institutions. Where will these young men and women get the financial aid they need? Competition for the limited scholarship dollars will result in some closed-ended awards and grants, many of which—intentionally or not—will eliminate black students from the competition. To whom should these black students look for support?

I believe that it's time to pass the plate and ensure the availability of resources for deserving black students who may choose to attend predominantly white institutions. I think it's only fitting that these students turn to black college graduates who were the beneficiaries of a more progressive period when

Regrettably, for some black alumni there is a lingering dissatisfaction with their experiences at a large white institution. Yet, it is still vitally important that they get involved in the effort to support black students who may want to attend even those "less-than-perfect" colleges and universities.

Chancellor John Slaughter has made it easier for black graduates of UMCP to support various alumni and black scholarship programs there. He is committed to doing everything in his power to make College Park a cooperative and multi-racial campus community. He also has given new emphasis to the Minority Affairs Office in an effort to provide support to students learning to cope with new and sometimes intimidating experiences. Without de-emphasizing academic standards, the campus has undertaken extensive recruitment campaigns to attract the best and brightest black (and white) students to its classrooms. Efforts like these should not exist in a vacuum.

It's time for us as black alumni to flex our influential muscle. Our children deserve that much. Money talks and apathy can take a long hike. It's only through involvement in a university's affairs that the chances to affect greater change and to cultivate greater responsiveness becomes available. ■

Just For Dads and Kids

The Center for Young Children in the College of Education conducts Saturday morning classes for dads and their two, three, and four-year old youngsters in the center's facility on the first floor of the Benjamin Bldg. Brent McBride, a teacher at the center, helps fathers to discover a variety of creative ways for interacting with their children. To find out more about the program, call McBride at 454-2341.

COLLEGE PARK PEOPLE

Behind The Scenes—After Dark

You say alarm clocks are an invention of Beelzebub—especially radio alarms and their collection of disgustingly perky sunrise disk jockeys? That early morning sunlight is an abomination to the senses? That the Supreme Court or the NFL—SOMEBODY—ought to make a law prohibiting people from talking above a whisper before noon? That the segment of the population labeled "morning personalities" should all be forced to live in Guam or Wyoming or some place equally remote?

If that's what's bothering you, what you may need is a go at the graveyard shift.



"I'm a night person. Even when I'm not working, I wouldn't dream of going to bed before 5 a.m.," says **Judy Cathey**, a library aide who for the past twelve years has minded the reading room desk at Hornbake during the midnight to 8 a.m. shift. "I know a lot of people don't understand me or people like me. The fact is, my biorhythm is such that I function best at night. Also, I'm more of a one-to-one person. I like to work on an individual basis with students who come to the library. During the day this isn't always possible due to the sheer number of people using the facilities then."

Cathey says that there are always people working in the library during her shift. Many, like her, find the late hours more suitable to study. "During the day—when I'm not sleeping—I take courses or work on my avocation, writing fiction," she says. "I'm fortunate in that my supervisor, **Ted Schlesiger**, understands and values the way I work."



"Night is our most active time," says campus police officer **Sgt. Mark Sparks**. "It's when we are most involved in what we do best—

preventing crime and responding to crimes committed. During the day we perform many service duties, such as bank runs and making out written reports. But at night we're out on patrol all over campus—in cars and on foot. We take turns on night duty and rotate monthly. This month the 11 p.m. - 7 a.m. shift belongs, in addition to Sparks, to **Cpl. John Duncan, Cpl. John Brandt, Pfc. Marylou Piernik, Pfc. Vince Johnson, Pfc. Edward Coursey, Pfc. Christopher Jagoe, Pfc. Jeff Killion, Pfc. Peter Quinn, Pvt. Mary Brock, and Pvt. Ralph Acquaviva**. These uniform officers are kept in touch with one another and the station by dispatchers **Lee Brant** and **Laura Frey**.

"I'm not sure I'd want to work nights only," says Sparks, "but it's part of the job of being a police officer. I take it as it comes."



"Our midnight to 8 a.m. shift is the one time we can get our 'batch' jobs done," explains **Gus Williams** of the Administrative Computer Center. "That's when we do work for the personnel office, the bursar's office, the motor vehicle administration and other campus offices. During the day, our computers are occupied with on-line activity from terminals all over campus."

Just who works the center's two night shifts (midnight to 8 a.m. and 4 p.m. to midnight), is determined on the basis of seniority rather than personal preference. The lower one is on the totem pole, the later the shift one pulls.

This week the center's four Hewlett-Packard 3000s and the main frame Sperry 1171 will be piloted from midnight to 8 a.m. by supervisor **Dave Cooper**, senior operator **Jeff Wilson, Cleveland Sanders, Wayne Brozyna** and **Thom**



(l-to-r) Sgt. Mark Sparks, Cpl. John Duncan and PFC Pete Quinn go over the evening paperwork.

DAVID TROZZO

Newlin. The 4-12 p.m. shift is made up of supervisor **Sydney Taitt**, senior operator **Ray Caudle, Dave Cox** and students **Alec Ott** and **Adam Hamilton**.

"We work 24 hours a day nearly every day of the year," Williams says. "You can imagine the enormous amount of administrative work that this campus generates: student bills, report cards, employee payroll, you name it."



Agnes Scott will retire from her job as a night housekeeper in Marie Mount Hall on March 31. After working nights for 30 years, she says, she's ready to become a daytime person.

"I decided long ago that I'd rather work at night," she explains, "because I prefer to use my days for other things—shopping, doctors' appointments, visiting with friends. But now, with my kids all grown and my husband disabled, I think I'm ready to become a full-time daytimer. I believe I've earned it."



"Sleep is my big problem—getting enough of it, that is," says **Charlie Elmer**, a work control specialist who for the past 13 years has been on duty handling campus emergencies from midnight to 8 a.m. "I average four hours a day but I think I could use a little more."

Elmer, who graduated from UMCP in 1971 and has been with the Dept. of Physical Plant since 1973, is the first person contacted when someone is stuck in a elevator, a pipe bursts, a steam valve pops, a lock won't work, lights suddenly go out.

"I take the call—usually from the Police or someone on the night desk at Resident Life—and pass it along to our 'reflex man,' **Vincent Klotz**. He decides whether the problem can

wait until morning or needs immediate attention. You could say that at night Klotz is in charge of the whole campus as far as maintenance is concerned...

"On weekends I keep regular hours—it's the only way to maintain a halfway decent social life. But then, talk about readjusting come Monday night! Still, I like this job. I'm not one for working under the gun and usually I don't have to. If I don't feel like filing at midnight, I do it at 4 a.m. And it's really not lonely. I'm in radio contact with supervisors of the cleaning crews and with others up and about at night. It suits me."

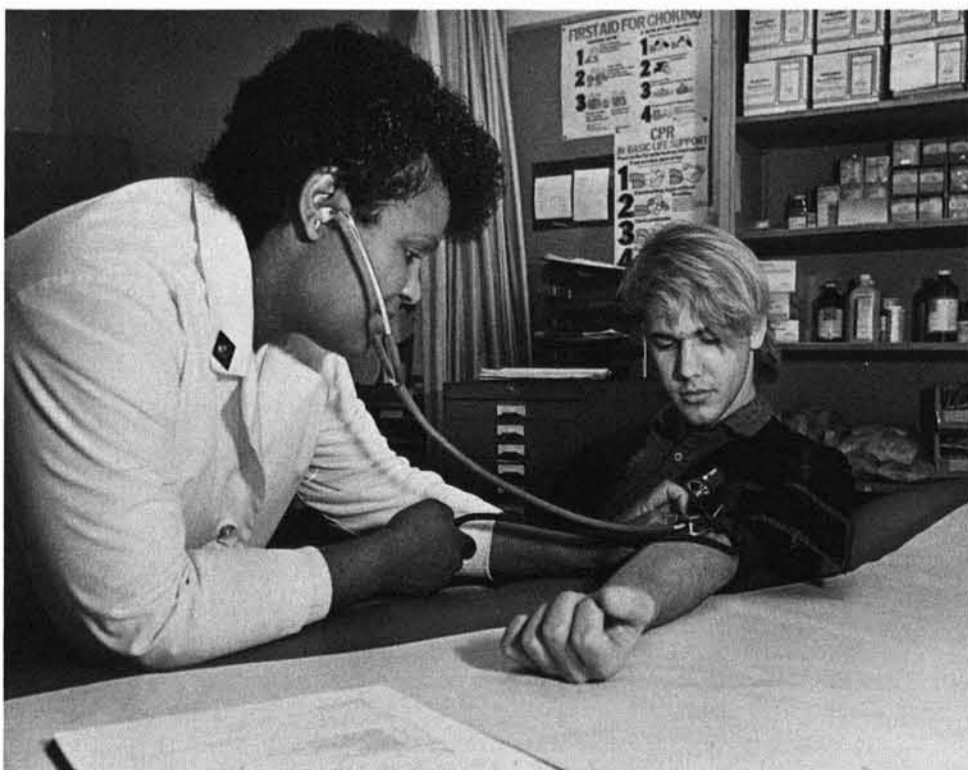


Nurse **Phyllis Mattox** began working at the Health Center just about a year ago. For ten years before coming to campus she was a night nurse in a local hospital's intensive care unit. What began as a necessity ("In the beginning I had to work nights," she says. "My daughter was young and I needed to be with her days."), is now a matter of preference.

"The night is a lot less congested than the day," she says. "We don't see nearly the volume of patients the day shift does and we have more time to spend with each person who stops in for treatment or phones for advice. I like that aspect of it very much."

"The kids we see at night are often ones with serious problems who either can't or won't come to the center during the day. Sometimes they just need someone to talk to. And sometimes they need professional help. We offer both." ■

—Mercy Hardie Coogan



(l-to-r) Clinical nurse, Phyllis Mattox, checks blood pressure of freshman Troy Fitrell at the Health Center.

DAVID TROZZO

Hats off to Physical Plant

To the men and women who spent the last week of January digging the campus out from under the Big Snow: thanks. Thanks to Lindy Kehoe and his grounds crews for operating six snow plows 24-hours-per-day for the entire week and for doing their best to make access into,

out of and around campus possible. Overall, nearly 400 grounds crew and other physical plant employees put in almost 5,000 hours of overtime during and after the two storms. In addition to scraping and plowing, workers spread approximately \$6,000 worth of salt, sand, cinders and other de-icing materials around campus.



D.P.P. Media Center

FOCUS

New Director of Development on the Fast Track

For the past three years, Brad Barwise, UMCP's new Director of Development, has driven his Porsche 911 Targa in sports car club races throughout the southeastern U.S.

It's the kind of pastime you might expect of someone who travels in the demanding and highly competitive fast lane of university fundraising.

The 37-year-old Barwise joined the Office of Institutional Advancement at the first of the year. He wears two hats—the more traditional one of the development officer, and campus Director of the Campaign for Maryland, an ambitious University-wide capital campaign now in the initial planning stages.

Barwise says his career in development is an outgrowth of his earlier jobs—director of a residential program for Cincinnati, Ohio prison inmates who had been released for educational and vocational training in the community, and executive director of a group house for adolescent boys in Providence, Rhode Island.

"Both of those jobs involved extensive fundraising to provide money to help meet the food, clothing and



T. Brad Barwise

transportation needs of the residents," he says. He also served as a parole officer and furlough counselor for the Ohio Department of Rehabilitation and Corrections and as a probation officer for the Cincinnati Court of Common Pleas.

"Every person on this campus is a fundraiser," he believes. "Whether they are members of the faculty or members of the grounds and

maintenance crew, the impression each of us makes on students, alumni, parents, or campus visitors contributes to the total development effort. I guess I still have the old social worker mentality that says whatever you do has to be part of contributing to a quality product," he says. "My job is to pull it all together."

For the last two years Barwise was Assistant Vice Chancellor and Director of Development at The University of Tennessee at Chattanooga where he directed all fundraising activities for the campus and for the independent University of Chattanooga Foundation. Prior to that, he was assistant director of development for capital campaign and director of the annual quarter million dollar giving campaign at Buena Vista College, Storm Lake, Iowa.

Barwise holds a B.A. degree in sociology from Graceland College in Lamoni, Iowa and an Ed. M. degree in personnel training and development from Cincinnati's Xavier University. He also attended the St. Paul School of Theology in Kansas City, Mo.

With assistance from associate

directors Nancy Hiles and Yolanda Pruitt, Barwise says he expects the Development Office to develop a computerized system for tracking donors and to improve and upgrade its mailing lists. In order to uncover new prospective givers, he says he hopes to be able to electronically screen all alumni records. "We want to move out of the planning stage and into the fundraising stage," he says. "Raising money is often a matter of listening to the special needs and interests of prospects and then finding a way to answer those needs. And because UMCP has so many things going on that appeal to a wide variety of potential donors, my job is that much simpler," he says.

"It's kind of like re-priming the pump. People want to return something to an institution like the University of Maryland that has had a positive and lasting impact on their lives.

And that is what makes this such an exciting place for me. Years from now there will be students attending Maryland on scholarships that we set up today." ■

—Tom Otwell

FYI

Holt Donates Papers to UM

Marjorie S. Holt, a member of the U.S. House of Representatives from 1973 until her retirement at the end of last year, has contributed her Congressional papers to the UM Libraries' Special Collection Division.

The Holt papers, which span her seven terms as Republican Congresswoman from Maryland's Fourth Congressional District, include her speeches, voting records, schedule books, bills she sponsored or co-sponsored, press clippings, photographs and political cartoons.

They also contain Holt's research files on environmental issues affecting the State of Maryland—Chesapeake Bay studies, hazardous and nuclear waste, coastal barrier islands and coastal zone fisheries, waste water and sewage treatment, solar energy, water resources and acid rain.

"The Holt collection represents another step in our continuing efforts to document Maryland political history," said Lauren R. Brown, curator of historical manuscripts and archivist in McKeldin's Special Collection Division. "We are exceedingly pleased that she has selected this University as the repository for these valuable historical documents."

The Holt papers, which total some 25 cubic feet of material, will be available for scholars and researchers as soon as they are properly catalogued, arranged and described, Brown said.

Spacecraft Control Project

A three-year project on basic research in the modeling and control of large multibody spacecraft has been established at UMCP by the Air Force

Office of Scientific Research under the Defense Dept.'s University Research Initiative program. The award for the first year is \$344,930. Led by P.S. Krishnaprasad (Electrical Engineering), a research group in the Systems Research Center hopes to develop benchmarks for selecting controls and configurations that will meet the stringent acquisition, pointing and tracking requirements for proposed large space platforms.

Lifelong Learning Conference

A two-day Lifelong Learning Research Conference will be held at UMUC's Center of Adult Education Feb. 19 and 20. The conference has been organized by the UM Dept. of Agricultural and Extension Education, the University College Center for Professional Development, and the Maryland Cooperative Extension Service. Nationally recognized experts

will focus on such topics as computers in adult education, learning theory, international organizations in the development of adult education, distance education, and agricultural extension worldwide. For info, call Sharon Walker at 985-7195.

Red-White Game Set

The annual Red-White Spring Football Game will be held in Byrd Stadium Fri., May 1 at 7:30 p.m. It will be the first spring game played at night in the stadium.

Lockard Wins Grant for MINTS

J. David Lockard (Curriculum and Instruction) has been awarded a \$18,860 federal grant under Title II of the Education for Economic Security Act to support MINTS—Maryland Information Network for Teaching Science.

New Pre-School Ed Program

Maryland residents interested in early childhood education now can take advantage of a unique curriculum offered by the College of Education's Institute for Child Study. The Institute now offers a program in Child Development Associate (CDA) training.

Established in 1975 as part of a national effort to improve the quality of pre-school child care, CDA training until now has been available primarily to participants in federally-funded programs such as Head Start. The Institute's CDA program, when fully implemented, will be one of the few in the nation open to anyone interested in the field. The program will lead to either a CDA certificate or an undergraduate and graduate degree. Trudy M. Hamby, associate research scholar at the Institute, will direct the program.

UM Alumni International's '87 Travel Program

The University's Alumni Association-International still has openings for eight exciting tours it is offering this year as a special service to alumni and friends of UM, including faculty and staff members.

1987 tours are planned to St. Maarten (March 15-22), Bermuda (May 2-9), Swiss Bavaria (June 21-29), Wimbledon (June 27-July 4), Alaska (July 7-19) and Russia (August 9-22).

Next fall the Alumni Association-International will sponsor tours of New England (October 13-19) and the Western Caribbean (November 1-15).

UMCP tennis coach Bobby Goeltz will serve as the Wimbledon tour tennis expert and will critique the matches with the touring alumni. Thomas E. Berry, associate professor of Slavic Languages and Literatures, will accompany the group touring the Soviet Union as guest lecturer.

Director of alumni programs at UMCP Leonard Raley says the tours are an excellent bargain and are packaged to appeal to wide range of interests among UM alumni.

The February 19-March 7 tour of the South Pacific is already sold out, but interested alumni and friends are

being encouraged to add their names to a waiting list for this trip, notes Joan Patterson, director of alumni travel.

The St. Maarten get-away will take place during UMCP's spring break. The package includes (at a cost of \$979 and up per person/double occupancy) roundtrip airfare, accommodations for seven nights at Maho Reef, all transfers and baggage handling between airport and hotel, and taxes, service charges and gratuities.

For more information, call Joan Patterson at the Office of Alumni Affairs at 853-3743. ■