

# OUTLOOK

**The University of Maryland College Park**

February 16, 1987

## News Briefs

### UMCP to Host State Legislators

The campus will play host to Maryland lawmakers during Legislators Basketball Day, Sun., Feb. 22. The annual event begins at noon with a basketball game in Cole Field House between members of the Maryland Senate and House of Delegates and UMCP administrators.

### New State's Attorney to give Black History Talk

Alexander Williams, former professor of law at Howard University and newly elected State's Attorney for Prince George's County, will be the guest speaker at a lecture Feb. 19, 2-4 p.m. in the Nyumburu Cultural Center located in the South Campus Dining Hall. Williams, the first black person to be elected to the state's attorney office in P.G. County, will speak on black political advancements in Maryland and the opportunities available for black people in the county. The lecture is free.

### Coach Wade to Speak

"Black Athletes: The Image vs. the Reality," is the topic of a free program to be held Fri., Feb. 20, in the Tortuga Room of the Stamp Student Union from 11 to 1 p.m. basketball coach Bob Wade, UMCP Academic Counselor John Bowman, football player Azizuddin Abdor-Ra'ooof and lawyer Michael A. Powell will speak.

### Professorship Endowed

William E. Mayer, who earned both his bachelors and MBA degrees from UMCP in 1966 and 1967, has established a permanent endowment fund to support a professorship in his name in the College of Business and Management. The endowment will provide annual income in perpetuity to support the work of a nationally-recognized senior scholar in the field of finance. Mayer has agreed to provide an annual contribution of at least \$50,000 in order to build the total support for the professorship to \$500,000.

## UMCP Reaccredited by the Middle States Association



which the team used as the basis for its extensive examination of the Campus.

In its letter to Chancellor John B. Slaughter reaffirming College Park's accreditation, the Commission commended the Campus for the quality of this self-study document, produced after a year of weekly meetings by almost one hundred UMCP faculty, staff and students.

The recommendations in the 34-page report produced by the Commission's evaluation team concur for the most part with those contained in UMCP's self-evaluation.

Referring to this document, Dr. C. Peter Magrath, president of the University of Missouri and chair of the evaluation team, stated in his report to the commission: "We leave our study and visit of this university impressed by the self-study effort it has developed and convinced that, if imaginatively used, it can serve as a vehicle for continuing improvement. The great strength of the study is both its candor and the sweep of issues it examines. Indeed, we urge the administration to disseminate the study widely to all faculty in order to promote structured discussion of the questions it raises. Even more, we believe that the self-study and accreditation visit can, and should, lead to the implementation of a more complete and structured planning and educational priority setting effort than currently is in place. We sense, moreover, that the leaders of the campus, and its senior faculty, are eager to move ahead in this direction."

*continued on page 3*

The University of Maryland College Park has received good news. After a wide-ranging examination which included a major self-assessment and an intensive on-site visit by an evaluation team, the Campus has been reaccredited—without any conditions.

The reaccreditation of the Campus was conducted by the Commission on Higher Education of the Middle States Association of Colleges and Schools. It was part of a complex process which takes place every ten years. In its notification that the Campus has been reaccredited, the

Middle States Commission also requested that a report be completed by October 15, 1988 to detail further steps that the Campus is taking to strengthen academic control of inter-collegiate athletics. The Commission also noted that the Periodic Review Report due October 1, 1991, will be expected to reflect the results of priority setting in the institutional planning and budgeting process.

As a major part of the reaccreditation process, last fall UMCP completed a major 155-page report: "The Middle States Self-Study: The University of Maryland College Park,"

## Contel Corp. Becomes Partner With Systems Research Center

The Contel Corporation became an industrial sustaining partner of the University's Systems Research Center (SRC) last Monday when the first installment of an annual \$200,000 Contel grant was presented to UM President John Toll.

The presentation was made by William Kamachaitis, Contel's Executive Vice President and President of the company's Fairfax, Virginia-based Federal Systems Sector.

"This is an important milestone for Contel in its partnership with education," he said. "By supporting the Systems Research Center and the effort to identify challenging and relevant technical problems, we are helping to attract the finest minds in the technology arena. It is this technology partnership between industry and university that will forge

strong ties to keep America in the forefront of the competitive world market."

The Systems Research Center is a joint government-industry-academic endeavor aimed at maintaining U.S. leadership in vital areas of engineering technology. Its primary research theme is the promotion of basic study in the applications and implications of advanced computer technology in the engineering design of high performance, complex automatic control and communications systems.

The Federal Systems Sector serves U.S. and foreign governments at the national level having needs for complex telecommunications and data processing systems and services.

As an industrial sustaining partner, Contel will be involved with the SRC

in three specific research programs—Wideband Detection Techniques, Survivable Network Routing and Integrated Services, and Artificial Intelligence and Software Engineering: Using Knowledge to Guide Re-use.

The company also will have a seat on both the SRC's Research and Administrative Councils and will be able to name at least one Resident Research Fellow to the Center.

In accepting the Contel grant on behalf of the University, President Toll called the Contel-SRC affiliation a national model for other partnerships between industry, government and universities. "Increasing the number of such affiliations with industry positions The University of Maryland on the cutting edge of research in this country," he said. ■

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**RESEARCH UPDATES**

# Soybeans, International Trade on Floppy Disks

Imagine. You're sitting at a computer terminal in New Orleans. You are at the hub of frenzied activity in the high-powered world of international trade. And you are bombarded with decisions that you, and only you, can make.

Should you buy, sell, stand firm? Do you need insurance to cover those cargo vessels, ready to dock somewhere in Japan where terrorists have threatened to blow up the harbor? What do you do now that the truckers are on strike and the news from Chicago says get that shipment through or lose your shirt?

This isn't a scene from one of Ivan Boesky's latest flights of fancy. Rather it is the latest brainchild of agricultural economists Earl Brown and Richard Levins. Brown is recognized nationally for his educational efforts in international trade, Levins for his work in computer applications in agriculture.

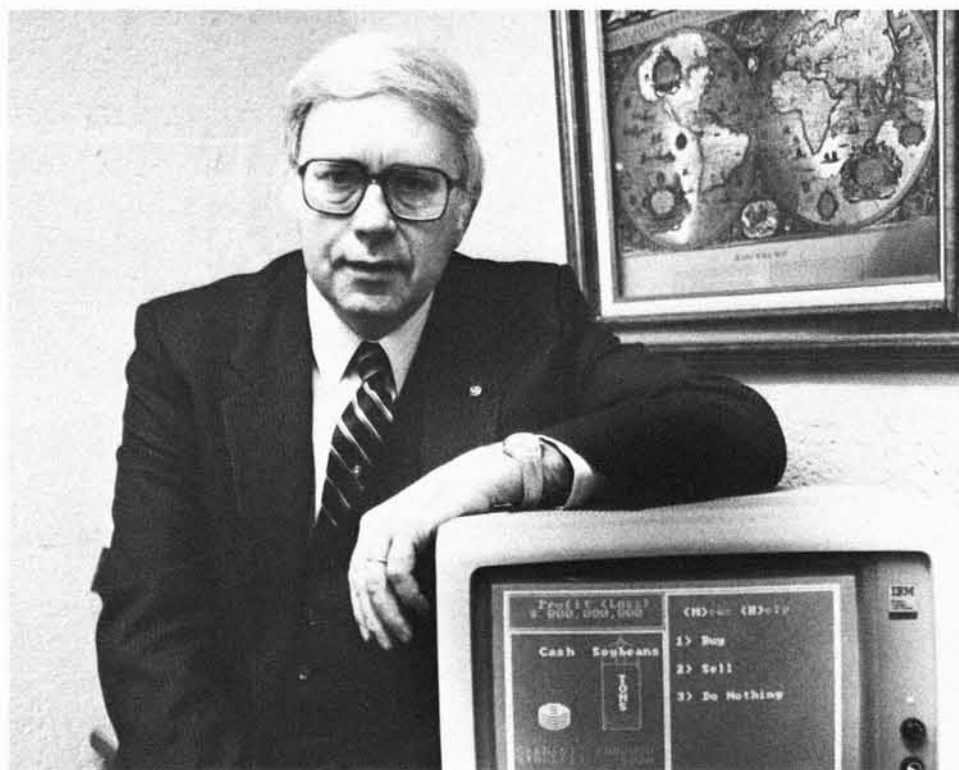
If necessity is the mother of invention, then innovation certainly must be the father.

At least that's how Brown describes how he came up with the idea for SOYBEAN TRADER, a computer game that is more than a game—it's a deadly serious educational tool.

"As an educator, my task was to find a way to make a complex subject easier to understand and, at the same time, interesting to a broad audience," says Brown.

He didn't want to go the traditional route. "You know, just write another manuscript and hope someone reads it and learns something about international trade."

In fact, the \$200,000 grant Brown received from the U.S. Department of Agriculture and other groups was contingent upon finding innovative ways to educate students and farmers about international trade—not exactly the kind of subject that causes swarming behavior among those two groups.



Dr. Earl Brown

But SOYBEAN TRADER has, indeed, caused a mild sensation among students, farmers and interested parties in other states besides Maryland.

"The idea behind SOYBEAN TRADER is to teach basic principles of international trade. I wanted to strike a balance between a fun, but useless computer game and sterile education," says Brown.

The result is the equivalent of two to three weeks of a college course, crammed onto a floppy disk, that still manages to be fun.

Adds Brown: "And realistic. The kinds of situations you as a player will face are right out of real-life situations an international trader in soybeans faces."

The program, which will run on any IBM-PC or compatible with 256K of memory and a color graphics adapter, has three large databases, according to Brown. So the chances of running into identical situations every time you sit down to play the game are pretty slim, he says.

"SOYBEAN TRADER is a reinforc-

ing mechanism to learning," Brown stresses. "If you just sit down and play the game 10 or 15 times, you will pick up some of the subtle nuances of international trade."

"The game works best when you use it in conjunction with classroom instruction or workshops," he says.

Brown—who says his educational philosophy is "the most opportune time to learn something is when you need to know it"—has shipped complimentary copies of the game to every state's Cooperative Extension Service.

Here, in Maryland, the game is catching on with this state's farmers—a group whose future is increasingly dependent on understanding the complexities of international trade, and one of Brown's real target audiences for education.

"When we tested an earlier version of the game at the Maryland State Fair, the kids were initially attracted to the color graphics. Kids today seem to be uninhibited about computers."

Soon, however, adds Brown, "farmers and other adults started moving in on the kids, losing their inhibitions about computers, especially when they learned how easy it was to play."

What's in store for the future? "We're working now on a new computer game for commodities trading," says Brown. "And a national satellite feed for a teleconference on international trade in February."

Maybe it's a good thing Ivan Boesky didn't have his fingers in this one. ■

—Skip Myers

## Graduate Student Giveaway in the College of Education

Each year UMCP's Center for Educational Research and Development (CERD) gives away graduate students to those in need.

The giveaway is known as the "CERD Associates" competition, and the needy are professors in the College of Education.

The Center is the unit of the College of Education that distributes research money received from the state of Maryland. In the case of the CERD Associates, funds are earmarked for a limited number of graduate assistantships to aid faculty in their research. According to John Guthrie, CERD director and professor in the Department of Curriculum and Instruction, the state provided \$30,000 for these assistantships this year.

Established in 1981, the competition is open to all faculty members in the College. Professors submit research proposals to CERD in the fall; the assistantships are then awarded for the rest of the academic year. According to Guthrie, individual grants this year ranged from \$7,000 to \$9,000, depending on the level of

graduate student required—M.A. or Ph.D.

Guthrie says that because of the competition involved, the winning proposals "represent some of the best research in education in the College—in the field as well."

People and projects winning support this year are:

- Steve Graham, assistant professor in the Department of Special Education, is studying the writing habits of learning disabled students. These students, he says, are often unable to plan independently and write the essays and stories they are assigned in school.

Graham hopes his research will result in a workable method that can be used to teach these students how to think through and organize their essays before they sit down to write, evaluate their progress as they write, and to work without constant supervision.

- Paul Markham, assistant professor in the Department of Curriculum and Instruction, is looking at the best approach for teaching vocabulary to

students for whom English is a second language. Is it better for these students to learn new words in English by reviewing definitions and synonyms, or learning them in the context of selected readings? How is retention affected in the short term and the long term?

- Stephen Porges, professor in the Department of Human Development, is working on validating a teacher rating scale to detect behavioral problems associated with students' attentional disorders in elementary school classrooms. The rating scale was designed by Porges in the early 1980s for high school students and adults in Illinois schools.

- Jeri Benson, associate professor in the Department of Measurement, Statistics, and Evaluation, is doing a statistical study using the LISREL computer program. Benson is evaluating the strength of LISREL when using imperfect data. The study will have implications for testing theoretical models in the fields of psychology, sociology, economics, marketing and education. ■

## OUTLOOK

Outlook is published weekly during the academic year by the Office of Institutional Advancement for the faculty and staff of The University of Maryland College Park Campus.

**A.H. Edwards**, Vice Chancellor for Institutional Advancement  
**Roz Hiebert**, Director of Public Information & Editor  
**Mercy Coogan**, Production Editor  
**Tom Otwell**, **Tim McDonough**,  
**Brian Busek**, Staff Writers  
**Stuart Hales**, Student Intern

**John T. Consoli**, Designer & Coordinator  
**Stephen A. Darrou**, Design & Production  
**Margaret A. Hall**, Design & Production  
**Eric Moore**, Student Intern  
**Al Danegger**, Contributing Photography

Letters to the editor, story suggestions, campus information and calendar items are welcome. Send to Roz Hiebert, Editor OUTLOOK, 2101 Turner Building, through campus mail or to The University of Maryland, College Park, MD 20742. Our telephone number is (301) 454-5335.







### PRELUDE Wins Gold Award

The University of Maryland's admissions recruitment publication PRELUDE won a gold award (first place) in the category of student viewbooks for schools over 10,000 students in the 2nd Annual Admissions Advertising Awards competition. This year's competition by the Admissions Marketing Report drew

more than 500 entries from over 200 colleges, universities and technical schools around the country. Second place was awarded to West Virginia University.

PRELUDE is designed and produced at the College Park Campus by the Office of Institutional Advancement, Creative Services, for the Office of Undergraduate Admissions.

### Graduate Students Honored

UMCP's topflight graduate students this week will receive recognition for their contributions to the University. The UMCP Graduate School is hosting a program and reception for graduate students holding major fellowships on Tues., Feb. 17, in the Art/Sociology Building. The program begins at 3:30 p.m. in Room 2003 Art/Sociology Building with the reception following in the Atrium of the Art/Sociology Building.

## College of Education to Unveil Work of Art Depicting Its History

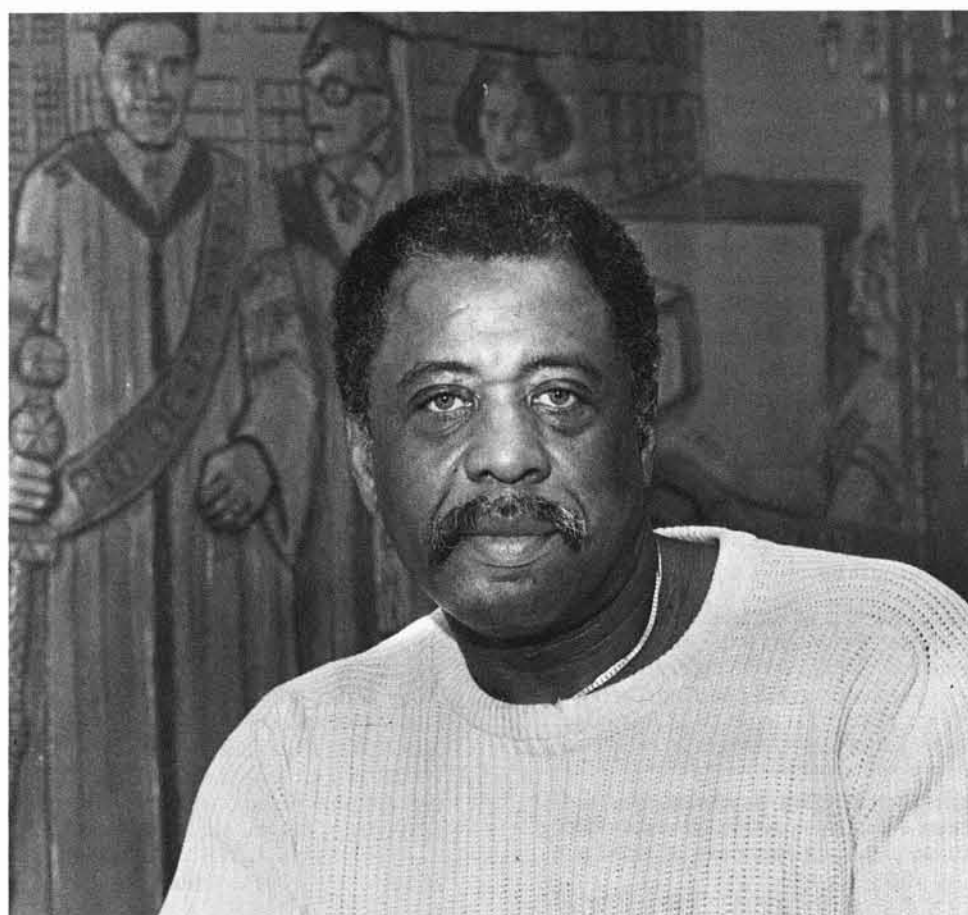
Faculty and students of the College of Education are anxiously awaiting the unveiling of a frieze depicting the history of education that will hang in the north lobby of the Benjamin Building.

The 4 by 16-foot frieze is a gift to the College by Randall J. Craig, associate professor of art education in the Department of Curriculum and Instruction. Craig is well known, especially in his home city of Baltimore, as an influential black artist and sculptor.

The unveiling ceremony, scheduled as part of the College's celebration of Black History Month, will take place in the Benjamin Building on Feb. 24, at 4:30 p.m. Chancellor John Slaughter and Joel Carrington, member of the Board of Regents and a 1970 alumnus of the College, will speak at the ceremony. Dean Dale Scannell will accept Craig's work on behalf of the College. A reception and display of the artist's other works will follow. The frieze traces the history of education from the time of Aristotle to the most recent efforts by the College in the state of Maryland.

Scannell says the work will be a lasting gift to the College. "It symbolizes education in our culture over a long period of time and recognizes the important leaders that have made significant contributions to the development of education."

Associate Dean C. Raymond Anderson is also pleased. "We think it is a very nice rendering of the history of



Randall J. Craig standing in front of a portion of his frieze, entitled "History of the College of Education," which will be dedicated on February 24th in the north lobby of the Benjamin Bldg.

education in one 16-foot frieze," he says. "I personally believe its presence lends a bit of class to an otherwise quiet building."

Craig, who came up with the idea of creating the piece for the lobby, says his purpose was twofold: "One,

to help with the buildings beautification; the other was to give a visual statement on the important stages of teaching."

Craig says the work, entitled "The History of the College of Education," represents different stages in the

development of education—influential philosophies, leaders, and events. A likeness of the late Harold R.W. Benjamin, renowned education scholar and dean of the College from 1941-1949, is featured prominently in the work. The frieze has the look of bronze, but is actually made of resin and fiberglass.

"It's a multi-cultural piece," Craig says. "There are Black persons, Asian persons, handicapped persons, Anglo-Saxon persons—it depicts the range of groups in a multi-cultural display." Craig credits Robert Risinger, professor emeritus of education, with providing much of the historical background necessary for the frieze. Clark Mestor, a doctoral student in art education, assisted in its creation.

Though he is well versed in the use of resin and fiberglass, Craig says the frieze was a challenge. "It's different from other things that I've done—it's a large piece—the challenge was to fill up that wall."

Acha Debela, lecturer of African and Afro-American art at UMES, has said of Craig's work: "The lifelike representations and the unique congruity of elements used in his art are profoundly expressive. His preference of the human subject is obvious ... his familiarity with the material, combined with his artistic skill, shows a convincing perfection allowing a strong statement ..."

Anderson says the draped artwork in the north lobby has caused a stir. "There's a lot of curiosity on the part of the faculty and students about what exactly is behind that curtain down there. It's creating some mystery and excitement—but no peeks!" ■

—Tim McDonough

## UMCP Passes Reaccreditation Process

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Magrath also complimented the University for the cooperation the team had received from top administrators, the Regents, faculty, staff and students. He said, "If any one characteristic impressed us, it was their openness and candor in discussing issues with us—and with themselves. These of course are signs of a healthy institution, and we believe that the University of Maryland College Park, despite the challenges before it, is a healthy and significant American university."

Reviewing the evaluation team's report at the Feb. 6 Board of Regents meeting, Vice Chancellor for Academic Affairs and Provost William E. Kirwan noted that the report supported most of UMCP's self-study recommendations. He also pointed out that in one respect the report's recommendation differed from that of the self-study.

"The team did not support the recommendation for the creation of an Honors College. The Campus was asked to reassess the feasibility and desirability of such a college," said

Kirwan.

The Commission's report, much like the self-study, provides observations and recommendations on the following: traditional duties and new challenges; curricular reforms; quality of campus life; governing, financing, and managing the campus; the need for an integrated master plan; academic computing issues; library resources and facilities.

It supports the Chancellor's aim to make quality undergraduate education one of the top goals of the campus by emphasizing the importance of the undergraduate experience early in its narrative. Recommending increased interaction among students, faculty, and administrators, it also suggests the possibility that freshmen remain as "pre-majors" for their first year on campus and highlights the need for the campus to strengthen its advising and retention programs.

The report also applauds UMCP's interest in reforming the undergraduate curriculum, encourages continued investigation of feasible approaches for including foreign

language studies in the education experience of students, and discusses actions which might be effective in improving the quality of campus life.

It supports the need for enhanced funding, better coordination and management of campus information technology, increasing computing support staff, greater integration of library and computing services, and encouraging the State to grant the Campus greater autonomy and independence in the management of its own financial affairs.

The report focuses particular attention on improving administrative efficiency in its discussion of the need for the Campus to have an integrated master plan. But it makes the observation that "College Park's first tier graduate and research aspirations are inconsistent with its organizational/capital/support infrastructure. The infrastructure necessary to support a distinguished research university includes computing facilities, a data communications system, a particular kind of library, certain academic support services, a highly

professional administrative staff, and a modern physical plant (not necessarily new, but modern). Without a master plan for rebuilding this infrastructure at UMCP, the possibility of slipping into the broad "second tier" of state universities is far from remote, in research and graduate studies as well as in undergraduate education."

The strengths—and weaknesses—of College Park are amply discussed in the report, and College Park's progress since its last accreditation is summarized well by Magrath, who says, "...the team is heartened by the progress being made by the University of Maryland College Park in recent years, even as we believe—and its candid self-study confirms this—that changes and improvements must be made if it is to fulfill its aspirations."

Copies of the Middle State's evaluation report may be found in the libraries and in departmental and dean's offices. ■

—Roz Hiebert



## CALENDAR

### February 16—February 23

#### MONDAY

##### February 16

Richard L. Hopkins (UMCP) will speak about "Long-Term Planning for Colleges of Agriculture: The Case of Burkina Faso (West Africa)" at an **International Development 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) 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.

#### TUESDAY

##### February 17

**MacArthur Speaker Series:** Nancy Lubin (Office of Technology Assessment) will discuss "Soviet Central Asia" from noon-1:30 p.m. in the Morrill Hall student lounge. Call x4344 for info.\*

**Public Affairs Seminar:** Mary J. Cochran, director of finance and administration at the Washington Suburban Sanitary Commission, will speak about "What Does it Mean to be a Chartered

Financial Analyst in the Public Sector?" from 3-5 p.m. in the student lounge of Morrill Hall. Call x3250 for info.\*

Max Dresden (SUNY-Stony Brook) will deliver a **Physics Colloquium** on "Statistical Mechanics and Cellular Automata" at 4 p.m. in Z-1410 Physics Bldg. Call x3511 for info.\*

**Movie,** "She's Gotta' Have It," Hoff Theater, 7 p.m. and 9:30 p.m. Call x2594 for info.

**University Theatre Production,** "Ubu Roi," Pugliese Theatre, 8 p.m. Call x2201 for info.

#### WEDNESDAY

##### February 18

Stephen B. Thomas (UMCP) will talk about "Alcohol and Drug Abuse Prevention for American Blacks: Targeting the Message" at a **Counseling Center R&D Meeting** from noon-1 p.m. in the Testing Room of Shoemaker Hall. Call x2932 for info.\*

**Agricultural and Extension Education Seminar:** Peter Jarvis (U. of Surrey, England) will deliver "A Sociological Perspective on Adult Learning Theory" from 12:15-1:30 p.m. in 0115 Symons Hall. Call x4933 for info.\*

**The Aurn String Quartet** of West Germany will present a free concert in the Music Library of Hornbake at 12:30 p.m. Call x6669 for info.\*

**Astronomy Colloquium:** Don Ellison (UMCP) will discuss "The Efficiency of Fermi Shock Acceleration: Theory and Observations" at 4 p.m. in 1113 Computer and Space Sciences Bldg. Call x3511 for info.\*

**University Theatre Production,** "Ubu Roi," Pugliese Theatre, 8 p.m. Call x2201 for info.

**Men's Basketball** vs. UMBC, Cole Field House, 8 p.m.

**Movie,** "She's Gotta' Have It," Hoff Theater, 7 p.m. and 9:30 p.m. Call x2594 for info.

#### THURSDAY

##### February 19

**Meteorology Seminar:** Gerald R. North (Texas A&M) will discuss "A Strategy for Measuring Tropical Rain from Space" at 3:30 p.m. in the Meteorology Annex. Call x2708 for info.\*

The **Graduate Student Association** will meet at 4 p.m. in 0102 Francis Scott Key Hall to discuss graduate housing and legal aid for students. Call x4205 for info.\*

Rebecca Herb (UMCP) will deliver a **Math Seminar** on "The Results of Casselman-Milicic on Asymptotics" at 4 p.m. in 1313 Mathematics Bldg. Call x2841 for info.\*

**Physics Seminar:** Sankar Das-Sarma (UMCP) will talk about "Numerical Simulation of Non-Equilibrium Processes: Crystal Growth, Epitaxy and Surface Diffusion" at 4:15 p.m. in 1410 Physics Bldg. Call x3511 for info.\*

**University Theatre Production,** "Ubu Roi," Pugliese Theatre, 8 p.m. Call x2201 for info.

**Movie,** "About Last Night," Hoff Theater, 7 p.m. and 9:30 p.m. Call x2594 for info.

#### FRIDAY

##### February 20

The UMCP chapter of **Sigma Xi**, the national honorary of the biological sciences, will host a colloquium by Hugh Sisler on the "Mode of Action of Antifungal Compounds" from 11:30 a.m.-1:30 p.m. in 1208 Zoology/Psychology Bldg. Call x5063 for info.\*

Domingos Lobo (D.C. Dept. of Human Services) will discuss "The Paraphernalia of Cocaine Use" at a **Lunch 'N Learn Conference** sponsored by the UMCP Mental Health Service. The conference is in 3100E of the Health Center from 1-2 p.m. Call x4925 for info.\*

"U.S. Policy in Central America: Its Impact on the Labor Movement Here and There" will be the topic of a **General Honors Colloquium** at 2 p.m. in 0110 Hornbake Library. Call x2532 for info.\*

**Institute for Advanced Computer Studies:** Donald Norman will lecture on "The Psychology of Everyday Things" at 3 p.m. in 2324 Computer and Space Sciences Bldg. Call x1808 for info.\*

**University Theatre Production,** "Ubu Roi," Pugliese Theatre, 8 p.m. Call x2201 for info.

**Movie,** "About Last Night," Hoff Theater, 7 p.m. and 9:30 p.m. Call x2594 for info.

**Midnight Movie,** "The Gods Must Be Crazy," Hoff Theater. Call x2594 for info.

#### Free Dance Class Available

The UMCP Dance Department will present a day of **free** classes on Sat., Feb. 21, from 9 a.m. to 5 p.m. Modern dance technique, improvisation, and repertory classes will be offered as well as an informal performance of student and faculty works. Participants should bring a bag lunch and meet in Temporary Bldg. EE. For more information, call Alvin Mayes at 454-4056.

#### SATURDAY

##### February 21

**Wrestling** vs. Clemson, Cole Field House, 1 p.m.\*

**Gymnastics** vs. UNC-Radford and Florida, Cole Field House, 7 p.m.\*

**University Theatre Production,** "Ubu Roi," Pugliese Theatre, 8 p.m. Call x2201 for info.

**Movie,** "About Last Night," Hoff Theater, 7 p.m. and 9:30 p.m. Call x2594 for info.

**Midnight Movie,** "The Gods Must Be Crazy," Hoff Theater. Call x2594 for info.

#### SUNDAY

##### February 22

**University Theatre Production,** "Ubu Roi," Pugliese Theatre, 8 p.m. Call x2201 for info.

The Ensemble for Early Music will present a **University Community Concert** titled "Medieval Madness" at 3 p.m. in the Auditorium of the Center for Adult Education. A seminar will precede the concert at 1:30 p.m. Tickets are \$13 and \$11.50. Call x6534 for info.\*

**Men's Basketball** vs. Wake Forest, Cole Field House, 4 p.m.

**Movie,** "About Last Night," Hoff Theater, 7 p.m. and 9:30 p.m. Call x2594 for info.

#### MONDAY

##### February 23

The Economics Dept. will host an **International Trade and Development Workshop** on "Safeguards Policy and a Conservative Social Welfare Function" featuring Alan Deardorff (U. of Michigan) at 3:30 p.m. in Q2106 Tydings. Call x3447 for info.\*

James W. Jones (U. of Florida) will speak about "Applying Models to Improve Crop and Pest Management" at an **Entomology Colloquium** at 4 p.m. in 0200 Symons Hall. Call x5875 for info.\*

**Computer Science Lecture:** Nancy Martin of SoftPert Systems (Nashua, N.H.) will discuss "The Software Engineering of Expert Systems" at 4 p.m. in 2324 Computer Science Center. Call x4255 for info.\*

**History and Philosophy of Science Colloquium:** William Wallace (Catholic U.) will talk about "Galileo and the Aristotelians" at 4:15 p.m. in 1117 Francis Scott Key Hall. Call x2850 for info.\*

Channon Price (UMCP) will deliver a **Space Science Seminar** on "Lion Roars and Mirror Waves" at 4:30 p.m. in 1113 Computer and Space Sciences Bldg. Call x7313 for info.\*

\* 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 the event occurs.

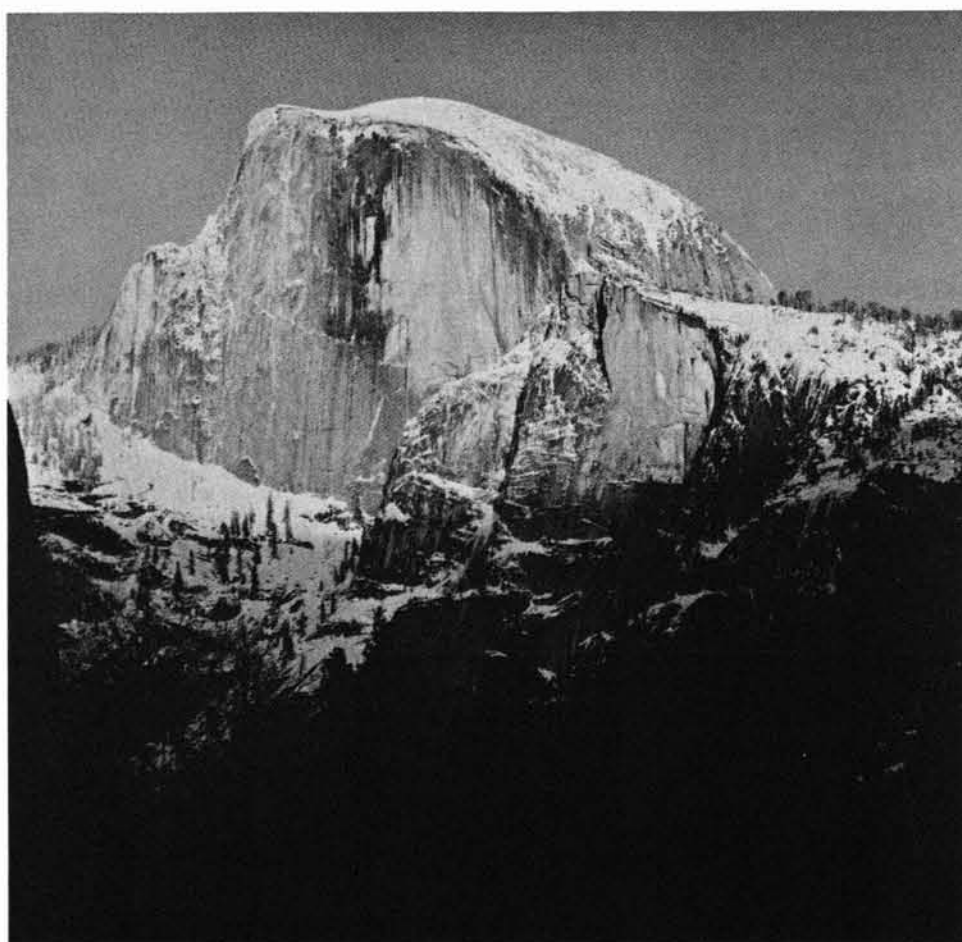


Photo by Dick Dull

Photography exhibit is being held in the Parents Association Art Gallery from January 28—April 17.



# Original Music by UMCP Composer

An original composition by Larry Moss (Music) will be performed this week by the Aurn Quartet, a string quartet of West German students studying this year at UMCP. They will play Moss' String Quartet #3 in a concert at 12:30 p.m. Wed., Feb. 18, in the music library on the third floor of Hornbake Library. Moss wrote the piece, which was commissioned by the Kindler Foundation, in 1981. The concert is free.

## Tickets on Sale for Tolomeo

Tickets are on sale for the spring production of Handel's *Tolomeo* by The University of Maryland Opera Theatre. The opera will be performed at 8 p.m. April 11, 13 and 15 and at 2 p.m., April 14, in Tawes Recital Hall. Nicholas McGegan, musical director of the Philharmonia Baroque

Orchestra in San Francisco, is the guest director and conductor for the production. The Smithsonian Concerto Grosso will perform as guest artists. *Tolomeo* will be presented under the auspices of the Center for Baroque and Renaissance Studies and the Maryland Handel Festival. For ticket information call 454-7271.

## ARTS AT MARYLAND

# Elam Switches from Topical to Traditional for Play



Sketches of costumes for University Theatre's production of *Love's Labor's Lost*.

Nothing revolutionary will happen in the University Theatre's production of *Love's Labor's Lost*, but it's a radical departure for director Harry Elam Jr.

Elam, assistant professor of Communication Arts and Theatre, specializes in social, political and revolutionary theater. *Love's Labor's Lost*, which opens at 8 p.m. Thursday, Feb. 26, in Tawes Theatre, is Elam's first Shakespearean production.

The play is a comedy set in a kingdom in which the court has decided to change its lifestyle. The king and his nobles have vowed to give up easy living and devote themselves to a more earnest way of life.

They pledge to cut themselves off from such pleasures as drink and

women for three years to concentrate on higher pursuits. Just as they make their commitment to a monastic lifestyle, a beautiful princess and her court arrive from France.

The men are captivated by the women and begin a comic struggle between their vows and their desires.

In preparing his first Shakespearean play for the stage, Elam has confronted such challenges as unfamiliar language and obscure references.

Elam has had to tutor his actors in the proper articulation of Shakespearean verse.

"The most important part of it is that they get the meaning across. They need to be clear on how Shakespeare set up his words to accomplish his goals.

"If you speak to get across the meaning, the poetry of the play will

come through," he says.

In looking at the script, Elam found the play filled with references topical to Shakespeare's time but incomprehensible to today's audience. Elam dealt with that problem by trimming the script.

An occasional solution to the latter problem is modernizing the play by working in contemporary references and dressing the cast in modern costumes. However, Elam considered it important to keep his production historically accurate.

One reason *Love's Labor's Lost* was chosen for the Theatre's season was to give student costume designers a chance to work on an historical production. Master's candidate Julia Weiss is designing the show's costumes as her senior thesis.

For the costumes, she subtly used a playing card motif—symbolic of

the games the characters play with other. The French women have the familiar hearts, clubs, spades and diamonds of French playing cards worked into their costumes. Hints of the coins, piques, bundles and chalice that are featured on Spanish playing cards are blended into the men's costumes.

Elam has enjoyed his work with Shakespearean comedy.

"The message is a simple one — that one has to live life and not cut himself off from any part of it. The message isn't profoundly political, but I think the audience will find it fun."

Time and dates for the play are: 8 p.m. Feb. 26-28 and March 5-7 and 2 p.m. March 1 in Tawes Theatre.

For ticket information call 454-2201. ■

—Brian Busek

## Journal Writing Turns Artist into Author

For more than 25 years Anne Truitt had devoted herself to sculptures and paintings when a major retrospective in 1973-74 made her step back from her work.

A retrospective is a shock for an artist, Truitt says, recalling her feelings about the retrospective exhibited at the Whitney Museum of American Art in New York and the Corcoran Gallery of Art in Washington, D.C.

"All your works of art are dragged back into the light of day. You are forced to go back over ground you thought you'd never cross again."

After the retrospective, she felt a need to consider what might have been unexamined when she distilled certain experiences into her work.

In response, she turned to a blank notebook.

The UMCP art professor began writing in her notebook about art, memories, children, places, the changing seasons—wherever her life led her thoughts. The exercise achieved her immediate goal.

"I learned from myself. The ground under my feet became more solid," Truitt says.

But there was much more to it. Her contemplation of her life went beyond herself, touching on ideas that attracted the attention of an editor at Pantheon Books.

Pantheon published her writing in *Daybook: The Journal of an Artist*, in 1982. This fall, Viking Penguin published a second work by Truitt, *Turn: The Journal of an Artist*.

*Turn* includes Truitt's writings from a period beginning in the summer of 1982 and ending in the autumn of 1984. The theme is the

turns that her life took during that time. She explores changes in her family, work, and perspective.

In a recent review of *Turn* in the *Washington Post* Nancy Mairs wrote: "Truitt's is just the sort of companionship I seek out: even-tempered, self-affirming, deliberate, alive to the nuances of nature and the human spirit. At her best, she uses her artist's eye to hold two worlds (the world of artifice and the natural world) in a single interpenetrating vision."

Truitt finds interesting grounds for comparison between her two diverse disciplines.

Much more time passes between the completion and release of a manuscript than the completion and showing of an artwork, Truitt says. This time lag gives a writer more of a chance to distance herself from a manuscript than an artist has to distance herself from a work of art.

In addition, Truitt finds her writing is often more accessible to people than her art.

"The response is entirely different. People find my sculpture difficult to look at and understand. I received hundreds of letters from people across the country about *Daybook*. If you write a book in plain English, it's understandable (to its audience) and that's gratifying."

Truitt is able to write without neglecting her other work in the process.

"I can do both until I get to the point where I go back and work with the manuscript. When I start working on that, I find I can't do anything but that." ■



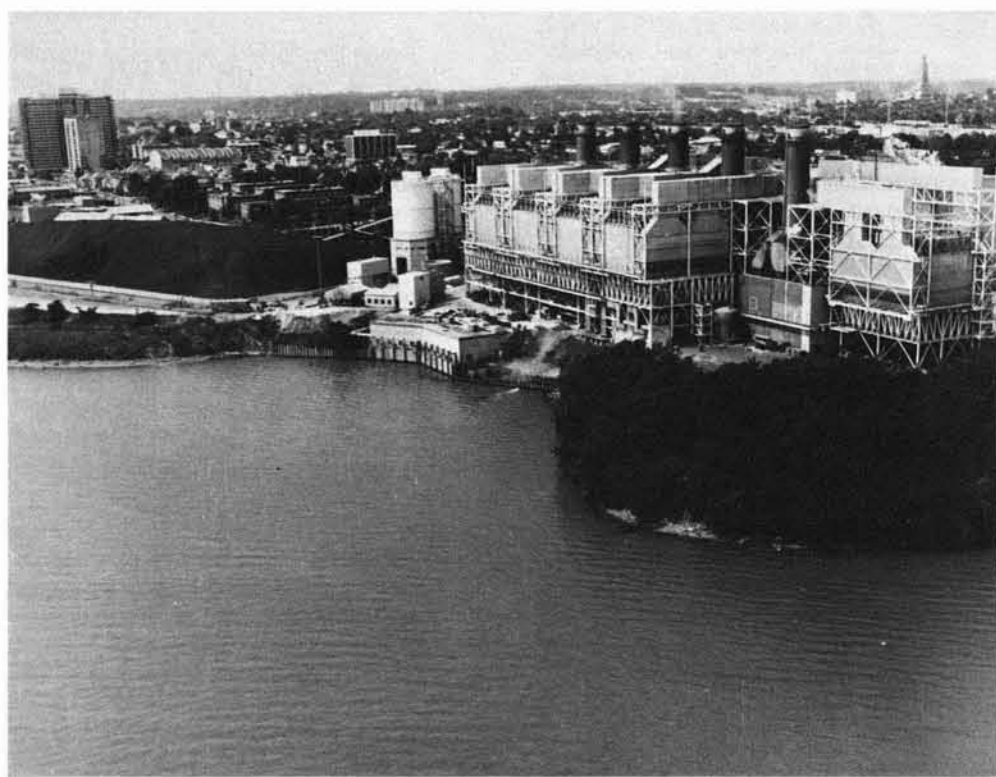
### Where Students Call Home

Where do UMCP students come from? According to a study released last month by the Office of Institutional Studies, the answer is all counties in Maryland, 49 states in the Union, and more than 100 foreign countries. The leading Maryland counties are Montgomery, Prince George's, Anne Arundel, and

Baltimore County respectively. The four leading states outside Maryland are New York, New Jersey, Pennsylvania, and Virginia. Foreign countries with the largest number of students at UMCP are China (Taiwan), India, Republic of Korea, People's Republic of China, Iran, and Vietnam.

## CLOSE UP

# Generating Interest in Power Engineering



PEPCO's Potomac River Generating Station in Alexandria, Va.

"Most Americans tend to take electric power for granted," says electrical engineering professor Fawzi Emad. "We plug an appliance into an outlet and turn it on without giving much thought to how the energy that makes it operate is generated and distributed."

During a recent storm, Emad says, a falling tree knocked down PEPCO lines in his neighborhood. "Although we lost electricity in the house, my son immediately said: 'Dad, let's turn on the television and see what happened.'"

Emad and colleague Isaak Mayergoyz have developed a power engineering program within the Dept. of Electrical Engineering which attracts some 50 students each semester.

"Electrical engineering is a very diverse area of engineering, and it is very difficult to find room for power engineering courses in the required curriculum," notes Mayergoyz. "It was for that reason that we made the decision to establish the power program courses open to both undergraduate and graduate students. This approach provides the opportunity to take advantage of the solid background the students have in mathematics, circuit theory, and electromagnetic theory and to concentrate the material in the power courses," he says. "Such an approach also allows us to attract students who are interested in power, and this, in turn, promotes the quality of power education."

The power industry itself has seen the need to insure that an adequate supply of trained engineers are available. "It is the number one priority," says Emad. "The industry feels the need to encourage the development of programs to supply

trained manpower for future needs."

Support for the UMCP program has come from both the University and the electric power industry through grants from Bechtel Power Corp., Baltimore Gas and Electric Co., Virginia Electric Power Co., the General Electric Foundation, and Potomac Electric Power Co.

"We are not just training our students to find and hold jobs, but training them with applied knowledge that will equip them to change with the changing dynamics of the industry," Emad says.

Power companies have public relations problems. All too often the public perception is of a huge organization bent on collecting money, raising rates and boiling fish in rivers, notes Mayergoyz.

"One of the purposes of the power engineering program is to change this perception and to emphasize that electric power is the marvel of our century, that people are so used to electric power availability and reliability that they tend to take it for granted. Whenever there is a break in the power supply, our normal mode of life is severely disrupted," he says.

"Conventional fossil fuel-burning power plants are monumental in size," says Emad. "They can burn as much as 50,000 gallons of fuel-per-hour. When we take our students to visit these facilities, they are exposed to real life. Students can see that economizing on fuel consumption, even by one percent, could represent the equivalent of a full-time engineer's annual salary, or more."

Students have visited a BG&E power plant and the Possum Point Power Station of the Virginia Power Company. These visits, Emad notes, helped the students understand the practical implications of the theory they studied in class.

Power engineering is an integral part of the education of electrical engineers, Mayergoyz says. The program currently offers four courses: "Electrical Power System Components" for students interested in learning about transformers, synchronous generators and induction motors used in industry; "Power

Systems," the representation, analysis and stability of power systems; "Stability of Power Systems," stability analysis; and "Electronic Circuits for Nuclear Reactor Instrumentation," the basic understanding of nuclear radiation and radiation detection. An electrical machines laboratory, which focuses on experiments with machines under transient and steady state conditions, is also offered.

Research is a part of the program as well. Researchers have developed a new analytical technique for the calculation of eddy currents in ferromagnetic conductors. The technique has been developed and applied to the calculation of eddy current losses in steel laminations subjected to rotating magnetic fields which occur in many types of electrical machinery and other devices. The evaluation of losses caused by these fields is of importance in the power area. Other research has focused on stability of power systems.

Faculty members in the program include Eyad Abed, who joined the Electrical Engineering Dept. as assistant professor in 1983. He received his undergraduate education at MIT and his Ph.D. from the University of California, Berkeley. His area of expertise is the control and stability of power systems.

Development of these courses was coordinated with representatives of the power companies who also serve on a power engineering steering committee which meets annually to discuss the current status of the power program and ways of increasing its responsiveness to the needs of the industry.

Additional cooperation includes the decision by BG&E to award annually two scholarships to freshmen who intend to take courses in the power area, the awards continuing for four years for each student.

During the past three years, Emad says, the program has had a significant impact on the Electrical Engineering Department and the power engineering community as a whole. It has promoted education and research in the area, has resulted in mutually beneficial cooperation between the power companies in the community and the University, and has produced electrical engineering graduates with sound backgrounds in power engineering. ■

—Tom Otwell



PEPCO's Chalk Point Generating Station on the Patuxent River in Prince George's County, Md.

All photos courtesy of: Les Henig, PEPCO



### Maryland at a Glance: 1987 UM Profile Available

The new, 1987 pocket-sized profile of The University of Maryland system's five campuses, Center for Environmental and Estuarine Studies, Agricultural Experiment Station and Cooperative Extension Service is available from the Office of University Relations, Central Administration.

The profile, which unfolds to a two-sided 12"x18" sheet, provides an informative and informal look at the University, essential facts about each campus, vital statistics, and a brief history. The profile is a useful means of introducing UM to those unfamiliar with the system and its many resources. For information and copies, call 853-3739.

## COLLEGE PARK PEOPLE

# A Tale of Two Women



DAVID TROZZO

### IN THE SPOTLIGHT: Anne Kirk

Judy Young and Anne Kirk don't know one another. They both work on campus, albeit on opposite sides of "the route." Young is a Sec. II for the Office of Minority Student Education; Kirk is the supervisor of inventory accounts in general stores, which is part of the procurement and supply department.

In many ways the two women present stark contrasts: Young is black, under thirty, a UMCP employee for two years. Kirk, on the other hand, is white, older than thirty and has worked here for the past decade.

"This is such an exciting office," Young says of OMSE. "Our purpose is to offer support, especially academic support, to minority students. We provide great tutoring opportunities as well as a warm and friendly place for young people to meet, talk and relax. I really enjoy the one-on-one contact with students."

"We run a busy operation here," Kirk says, "and do over a million dollars in transactions each year. Nearly all supplies—pencils, tissue, light bulbs, typewriter ribbons, teaspoons, napkins, work gloves, hand soap, and on-and-on—required by our campus, UMES and UMBC are ordered from this office. Most of my work is done with a computer and the telephone. We have the system down pat."

Yet, despite their obvious differences, Kirk and Young have a common bond—one they share with many other women not only on this campus but all over the country: single parenthood.

"Deanna is five years old," says Young of her daughter. "I was 20 when she was born. I guess we're both sort of growing up together. All I know is that she is my inspiration.

I want so much for her."

Kirk says, "I've been single since 1976. My oldest son Jason is fifteen. Paul is twelve. They are wonderful kids and we're very close. In the beginning, though, it was so difficult for the three of us. Sometimes I wonder how we made it through."

How Young and Kirk have and continue to "make it through" is another common thread they share. For one thing, the two possess certain important inner resources, including a rich sense of humor and sure-fire survival instincts. Kirk, for example, recalls the early years after her divorce when her bi-weekly paycheck was a pittance and her



DAVID TROZZO

### IN THE SPOTLIGHT: Judy Young

family's diet consisted primarily of beans.

"Now it's funny," she laughs, "but back then I use to worry that the boys weren't getting a decent diet. And would you believe it? They both still love beans—any and all kinds of beans."

Young says, "I have big plans for Deanna and me. After I graduate from Maryland—I've been taking courses since I've started working here and now I'm a junior—I hope to get a job that involves economic forecasting or sales. Mainly I want to make enough money to support my daughter and myself. I want to be able to afford good schools and a

quality life for the two of us. Some people may say this sounds awfully idealistic. I say that I'm a person who is willing to work very hard to achieve my goals."

Young and Kirk speak freely about the down side of being a single parent—especially those moments when the kids let on that they resent or regret their father's absence from the family. This is particularly true in Kirk's case since her sons are well into that wilderness called the teenage years. It's tempting, she says, to overcompensate for the sense of loss her boys feel by relaxing basic discipline.

"I know I've been guilty of letting up on rules as a way of showing the kids that I understand what they're going through," Kirk adds, "and other women I know have done the same thing. I think you can't do that, however. Kids need discipline, love and a lot of stability."

Young says, "Being a working single parent means that you have to teach children early to learn to give and take. They have to understand sooner than other kids, I guess, that they are not the center of the universe. In the long run this can be a plus, however. At five my daughter is already very independent."

Of course, most of the time Kirk and Young aren't thinking about being single parents with full-time jobs. Both are upbeat by nature individuals whose busy lives are enriched by good friends and supportive family members. As Young neatly puts it: "I prefer to look at the many good things in my life. My child, my health, my job, my future plans and others. I've already proved that I can deal with the difficulties." ■

—Mercy Hardie Coogan

## BFSA Looking For New Members

Keep your eyes and ears open, the Black Faculty and Staff Association is alive and well, says BFSA president Jerry L. Lewis.

Founded 17 years ago, the BFSA today continues to speak and act on behalf of the more than 850 black classified and associate staff and faculty employees on campus. But unlike the past when much of the organization's emphasis was on faculty concerns, today's BFSA is also strongly interested in drawing black classified and associate staff, as well as students, into the group.

"We share a very similar experience on the campus regardless of our rank," Lewis says. "Bringing our expertise together as scholars, maintenance personnel, technicians, lawyers, office workers, and other jobs makes for a voice capable of commanding attention. Working together as a team, we can make a difference. BFSA is trying to develop

strategies to address the concerns of the black community on campus. We cannot resolve all of the concerns, but we can certainly make a difference."

One effort instituted this year by BFSA to increase the organization's effectiveness is the mentorship program. Black first year students are assigned a classified or associate staff or faculty member who offers help and advice in adjusting to life on a large college campus that is predominantly white.

BFSA is planning a June conference which will provide a forum for blacks and others to address the concerns of black students, faculty and staff who work, live and learn in institutions similar to UMCP.

To join BFSA or to learn more about the organization, call Judy Johnson (x5811) or Sharon Fries (x2925). ■



### Don't Leave UMCP Without It!

Qualifying UMCP faculty, associate and classified staff have an opportunity to join the American Express Corporate Card program. The card will be issued at no cost to the holder, and no fees or interest charges of any kind will be imposed by American Express as long as the account is properly maintained.

The card is being offered chiefly to assist UMCP personnel to separate University-related travel expenses from personal expenses. However,

use of the card is not limited to University business.

The card has demonstrated its effectiveness at a number of major universities as a means for simplifying travel record keeping and for meeting costs. For the UMCP campus, its use can help contain administrative costs by minimizing the need for cash advances.

Payments of amounts due on the card are solely and entirely the cardholder's personal obligation. American Express reviews the creditworthiness of all card applicants. To apply for a card, pick up an application at the Travel Services Office, South Administration Bldg., Room 3125.

## FYI



Victor Basili

### Computer Science Department at 20

In the spring of 1967 computer science became a degree-granting program at UMCP for the first time. To mark the 20th anniversary of this campus milestone, the Department of Computer Science will host a three-day Open House, Mon. through Wed., March 9-11. Each day will have a different focus.

Computer science education will be the theme for March 9. High school students from Maryland and Washington, D.C. have been invited to tour the facilities of the Computer Science Center and other campus computer laboratories. They will have a chance to learn more about the UMCP computer science education program and to meet and talk with faculty members and students.

On Tues., March 10, community college and area college and universi-

ty as well as UMCP administrators will tour the facilities and attend forums and informal sessions devoted to discussions of trends in computer science. The goal is to develop a dialogue between academic units and academic institutions about future directions in the field of computer science.

Representatives from industry and government will join faculty members and friends on Wed., March 11 in a ceremony recognizing contributions by various agencies and corporations to the development of the department's research programs. An evening banquet will conclude the three-day 20th anniversary celebration.

For additional information about the event, contact Nancy Lindley, the Open House Committee, at 454-2002.

### Honor Society Members Sought

Sigma Circle of Omicron Delta Kappa, the national leadership honor society, is now accepting applications for membership. Established at UMCP in 1927, the society recognizes men and women who have attained a high standard of efficiency in collegiate activities. ODK recognizes achievement in areas of scholarship, athletics, social, service, religious activities and campus government, journalism, speech and the mass media, and creative and performing arts.

For information, contact the Office of the Vice Chancellor for Student Affairs, 454-5783.

### New Asst. Comptroller Named

Edward C. Waskiewicz has been appointed the new Assistant Comptroller for Contract and Grant Accounting. He is responsible for cost accounting, contract and grant accounting, accounting for loan funds, endowment funds, plant funds and for inventory control. He was formerly director of contract and grant administration at Vanderbilt University and has served as comptroller of the Wilmington (Del.) Housing Authority and associate director of contract and grant administration at the University of Delaware. His campus office is Rm. 3107, South Administration Bldg., and his phone number is 454-6812.

### Student Awards for Good Works

The Experiential Learning Programs Office is taking applications for the Robinson Student Humanitarian Achievement Award. The award is designed to recognize students who have made outstanding contributions to public service through humanitarian efforts in the past year and to support them in carrying out a project to address social needs within a community. Four students from UMCP will receive awards of \$1,500 each to carry out a humanitarian project. The application deadline is Feb. 20. Award winners will be announced in April. For more information call 454-4767.

### Criteria Changed for Kehoe and Kesler Awards

Campus Recreation Services, formerly Intramural Sports and Recreation, has announced new criteria for the James H. Kehoe and Ethel Kesler awards.

Since 1982, the awards have emphasized achievement, sportsmanship and program involvement. Starting this year the award will recognize "the highest degree of voluntary service to the recreational needs" of students and staff at UMCP.

Nick Kovalakides, CRS director, says the change was made to highlight the efforts of staff volunteers. The awards will be presented at Campus Activities' Annual Awards Banquet in early April. Nomination forms are available in 1104 Armory. The deadline is Feb. 24.

### Preschool Applications Open

The Center for Young Children, located in the College of Education, is now accepting applications for the 1987-88 school year. The Center offers preschool and kindergarten classes for three to five-year-old children of faculty, staff and UMCP students as well as families in the community. Classes meet for 2½ hours daily, five days a week. The Center's schedule coincides with that of the University. Selection for classes begins in March. For more information contact the Center at 454-2341.

## FOCUS

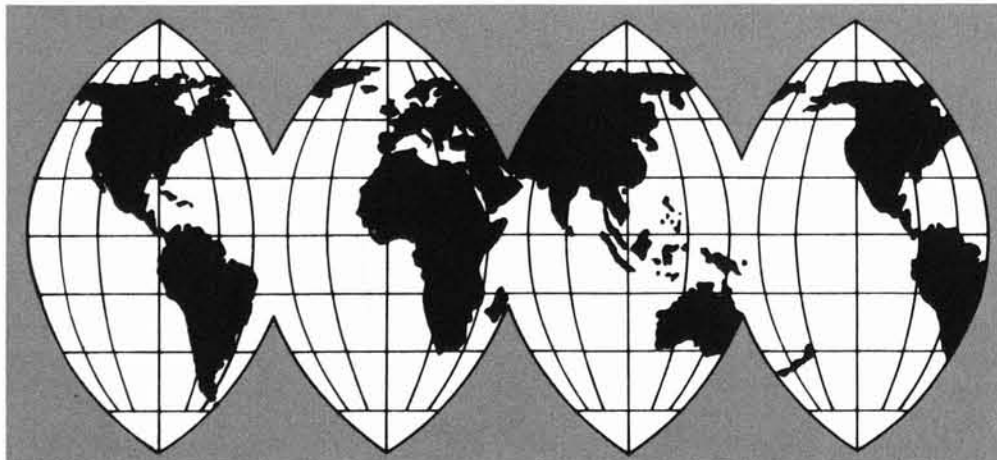
# Looking at Maryland Through International Eyes

What is it that brings students from all over the world to The University of Maryland College Park?

According to a survey of international students released last month, 48% decided to attend UMCP because of the variety of academic programs offered. At least half of those surveyed said they will use these programs to obtain graduate degrees.

These statistics are part of the findings of the survey, "Attitudes and Perceptions of Incoming International Students" conducted for UMCP's Counseling Center by staff members Susan Boyer and William Sedlacek. Boyer, a doctoral student majoring in Counseling Psychology, and Sedlacek, the center's assistant director and an associate professor in the Department of Counseling and Personnel Services, interviewed 164 international students entering the College Park Campus during the Fall of 1985 and January 1986. The survey was conducted with the help of the Office of International Education Services.

The authors say the study provides UMCP faculty and staff with invaluable information they can use



when setting student policy.

"As a group they represent hard-working students who take their education seriously," Boyer says of those surveyed. "There are a lot of difficulties coming to another country and pursuing a degree. The University should take into consideration these difficulties, and whenever possible, try to ease their adjustment."

Though academic variety was the biggest incentive for international students to leave their homes for the College Park Campus, other reasons

were mentioned as well. Some 9% said UMCP was closer to home than other schools. Another 7% mentioned the school's proximity to Washington. Though the student sample was evenly divided between graduate and undergraduate students, a full 87% said their final academic goal was advanced graduate degrees—these included M.A., Ph.D., medicine, and law. Only 11% expected their highest academic degree to be a bachelor's. When asked what the hardest part of adjusting to college would be, 24% responded,

"meeting financial expenses." Other challenges listed were earning satisfactory grades (14%) and studying efficiently (10%).

The study provides a glimpse at the type of international student who attends Maryland. Men made up the majority of those surveyed. Some 60% of the students came from South or East Asia, 17% from Europe, 11% from the Middle East, 5% from Latin America, and 2% from Africa. Three-quarters of these students had lived in the United States less than a year.

Sedlacek says the findings will help break down not only racial and cultural stereotypes associated with international students, but also the notion that all students are the same no matter where they come from. "The important thing is that international students have some similarities to and some differences from other students. It's important that we look at those so that we can design our programs in some optimal way." ■

—Tim McDonough