Digging for Bargains at the New Terrapin Trader, page 3
University Recognizes Long Time Employees, page 6
Meet Nathan Moody, High School Prodigy, page 8

Outlook

The University of Maryland at College Park Faculty and Staff Weekly Newspaper • Volume 8 Number 29 • May 23, 1994

Dedicated Archives

The National Archives at College Park, home to billions of federal documents and records, was dedicated on May 12. The $289.6 million building is expected to attract researchers from around the world who will study historical items as diverse as the maps from Lewis and Clark's Northwest expedition, Eva Braun's personal snapshots of Adolf Hitler, or the coffee mug Liberace gave President Nixon. Archives II contains 691,572 feet of records storage, 104,200 square feet of laboratories, 520 miles of shelving and 10,828 map cases. The National Archives building in Washington, D.C. will continue to house the Declaration of Independence, genealogy exhibits and pre-World War II government records.

University Assesses Athletics for NCAA Peer-Review Program

The National Collegiate Athletic Association is now requiring schools to perform a periodic self review to determine the financial and ethical state of their athletic programs. The university has volunteered to be part of the first round of the program, which will determine if the NCAA will grant accreditation to College Park's athletic department.

"The president has said to us that we've had a lot of changes in the nature, character and direction of the intercollegiate athletic program since 1987, and we'd like to use this opportunity to assess the effectiveness of those changes," says Charles Sturtz, vice president of administrative affairs.

The process began in February with President William E. Kirwan appointing a steering committee, chaired by Sturtz, that will follow the steps laid out by the NCAA in the "Self-Study Instrument," its map for the procedure. It was designed to make sure that sports programs at colleges and universities stay free of corruption.

The steering committee is divided into four different sub-committees: Governance and Commitment to Rules Compliance, chaired by Professor of Journalism Ben Holman; Academic Integrity, chaired by Professor and Director of Criminal Justice and Criminology Charles Wellford; Fiscal Integrity, chaired by Assistant Vice President for Administrative Affairs Samuel Lawrence; and Commitment to Equity, chaired by President's Legal Staff Counsel Susan Bayly. As well as administrators, the steering committee and its subcommittees include faculty, staff and students.

The Self-Study Instrument is a series of questions for each area that address the condition of the athletics program and how it fits into the university's educational mission. Steps for improvement must also be addressed by each subcommittee.

"We have to examine these items in our own context," Sturtz says. "We can add to them, but we elected not to."

—continued on page 4

Builder A. James Clark Donates $15 Million to Engineering

College Renamed A. James Clark School of Engineering

A. James Clark

A. James Clark, who went from hitchhiking to class at College Park to building a national construction giant, has donated $15 million to the College of Engineering, which will be renamed in his honor.

The gift, which is the largest ever received by a Maryland public university, was announced Thursday, May 19, coinciding with the unveiling of a monument commemorating the College of Engineering's centennial. The event was held at the East entrance to the Engineering Classroom Building just off Campus Drive.

Henceforth, the academic components of the College of Engineering will be known as the A. James Clark School of Engineering.

The gift will help propel the engineering programs to preeminent status nationally, said President William E. Kirwan. He added that through this gift Clark will do for engineering education what Glenn L. Martin did for engineering research some 50 years ago.

"Just as Glenn L. Martin provided the building blocks for the college's outstanding research programs in place today, A. James Clark will ensure that university engineering students develop the skills necessary to tackle the complex technical and societal problems of tomorrow," Kirwan said. "We are deeply grateful for Mr. Clark's generosity which will significantly affect the course of engineering education for generations to come."

Martin, aviation pioneer and founder of the Glenn L. Martin Company, made a gift of $1.7 million in 1944 on the 50th anniversary of the establishment of engineering at College Park. The Glenn L. Martin Institute of Technology was named in his honor.

Clark, who attended the College of Engineering on a state scholarship, was a member of the first senior class to graduate from the engineering complex constructed with the Martin endowment. After graduating in 1950, he went to work for The George Hyman Construction Company, which built the complex and is now the largest subsidiary of The Clark Construction Group, Inc. (CCG).

"My relationship with the University of Maryland has been a long and rewarding one — first as a student, then as a contractor for many of the university's buildings, and now as a member of the Board of Visitors," Clark said. "During that time I have watched with great pride as the College of Engineering, under the leadership of Dean George Dieter, has taken its place among our nation's leading engineering schools.

"Now, in this era of intense global competition, it is more important than ever for our state and our country to ensure the highest quality education for the engineers of the future," he added. "My hope is that this unrestricted gift will help make this possible."

During the 44 years he has been involved with The George Hyman Construction Company, Clark has transformed it from a small regional construction firm into a national giant. Today, he is chairman of the board of Clark Enterprises, Inc. (CEI), a holding company he established in 1972 to oversee the management of a variety of business interests such as real estate, communications and commercial and residential construction.

Clark is also chairman of the board and president of CCG, the holding company of CEI's construction-related concerns. CCG is one of the nation's largest building contractors with annual revenues of $1 billion. The company's

—continued on page 2

Defense Grant Boosts Semiconductor Research

The university has been awarded a $7.5 million grant from the Department of Defense that will help develop a new generation of high speed semiconductors in addition to helping the U.S. recapture lost ground in computer chip making.

The grant will allow the university to establish the Laboratory for Ion Beam Research and Applications (LIBRA). The principal goal of the venture is to investigate the use of high brightness ion beams for advanced chip making, overcoming the limitations of the currently used optical techniques and increasing the speed of current semiconductors more than tenfold.

Additionally, an annual $250,000 appropriation from the State of Maryland has allowed the university to hire two internationally known experts in the area of ion beam technology. John Melngailis, formerly of the Massachusetts Institute of Technology, is one of the leading authorities on ion-beam assisted processing of electronic materials. Jon Orloff, formerly of the Oregon Graduate Institute, is internationally renowned for his research on ion sources and ion optics.

The U.S. controls about seven percent of the lithography market worldwide, said William W. Destler, LIBRA's principal investigator and project director. He said this grant and the establishment of the lab represent an opportunity for the U.S. to regain a high-technology leadership position in "an extremely important field."

Computer chips are currently made in a photo-lithographic process by shining light through a stencil onto a chemically treated silicon wafer.

Unfortunately, because normal light is diffracted as it passes through a narrow slit, there is a limit to the amount of information that can be projected onto the wafer.

X-rays are being explored as one solution but they suffer from their principal feature—they penetrate materials, making it difficult to develop stencils that will block the X-rays. Ions, atoms that are stripped of one or more of their electrons, do not suffer from diffraction nor do they penetrate the stencil, giving researchers the capability of writing extremely fine features on the chips.

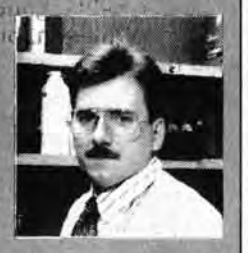
Destler said ion beams are already used widely in the repair of chips. If they prove as reliable as expected, they could have far-ranging applications in areas such as micromachining, which is the construction of microscopic sensors and motors. He added that even if X-ray lithography proves reliable, ion beams would still probably be used to make the stencil or mask.

The work of Destler, Melngailis and Orloff will be complemented by an existing group of university faculty members, research specialists and technical staff with expertise in high brightness beam sources and optics. The project is a collaborative venture between the Department of Electrical Engineering and the Institute for Plasma Research (IPR).

Destler added that the project received strong support from U.S. Sen. Barbara Mikulski, U.S. Rep.Steny Hoyer and U.S. Rep. and Maryland gubernatorial candidate Helen Delich Bentley.

Endquote

How important is athletics to the university?



"I think it's very important. It adds another element to college life. It develops a community atmosphere. You can see that with the basketball program. As the team started winning, the entire campus rallied around them. Athletics is a common bond between diverse groups of students."

—Todd Hobin, video coordinator, Intercollegiate Athletics

"I think it's more important than education because it's the biggest department. It has the most money. When the budget cuts came around, the education programs were cut, but nothing was cut from athletics. I think education should come first."

—Carole Hankins, accounts payable clerk, Accounts Payable

"It's very important for several reasons. I am a student and for me and many of my friends, athletics was a primary reason for choosing to come to school here. I was accepted at Hopkins and Loyola but I chose to come here for the engineering program and the big sports program. Athletics gets the university good media coverage, especially when the Terrapins get into the "Sweet Sixteen." Maybe the money from the NCAA and TV appearances doesn't go to academics, but it supports scholarships for athletes. A lot of people complain that athletics and academics don't go hand–in–hand, but as long as the sports program isn't taking away resources, I don't see the problem."

—Todd Coen, clerical assistant, Department of Resident Life

Freshman Writing Course Undergoes Revisions

Freshmen at the university are learning how to write the old fashioned way. Through a recently revised freshmen writing curriculum based heavily on classic rhetoric, students are learning to articulate and communicate their arguments by studying classic orators such as Aristotle, Socrates and Plato.

The program marks a drastic change from traditional college composition courses that focus primarily on personal essays and literary criticism.

Jeanne Fahnestock, a professor of English and the "intellectual architect" of the program, designed the course to be more difficult and to better prepare students for academic writing. "Students were expected to go from writing personal essays in composition to writing in-depth research papers in other courses," she said.

The new curriculum includes linked writing assignments that force students to explore issues of their choice, learn all sides of an argument, and defend one position in the end. In the process, the freshmen also gain a formal introduction to the library and computer facilities on campus.

"There is definitely a general turn to argumentation in the teaching of writing," Fahnestock said. "We're asking students to stake a claim and maintain it with good reasons."

Fahnestock was recently honored for her work. She received the Maryland Association for Higher Education 1994 Outstanding Educator Award in the administrator category, one of only three granted by the association annually.

These drastic curriculum changes also required a modification in the training program for faculty members. New teaching assistants must defer teaching until their second semester of graduate school, enabling them to take a training course for teaching freshman writing. The end result is a more competent and confident teaching force.

Fahnestock was instrumental in developing another major writing curriculum at the university, in the early 1980s, called the Professional Writing Program. The program involves courses that provide practical, job-related skills taught by working professionals, many of whom come from outside academia. It is a model program nationwide, and is commonly referred to as "The Maryland Model" in education circles.

The two writing programs combined serve 8,000 students a year through more than 350 courses.

Clark Donates $15 Million

continued from page 1

buildings have left an indelible impression across the country, especially in the Baltimore/ Washington area. Included are such prominent projects as L'Enfant Plaza, the east and west wings of the National Museum of Natural History, the World Bank headquarters, the critically acclaimed Baltimore baseball stadium, Oriole Park at Camden Yards and the U.S. Air Arena (formerly the Capital Center).

More recent projects include a $675 million convention center expansion in Chicago, a $300 million convention center in Los Angeles and the newly opened National Archives Building at College Park.

"I am proud to salute Jim Clark for his outstanding support of the university," said Maryland Governor William Donald Schaefer. "I know Mr. Clark personally — he has given selflessly to many public endeavors. Maryland would not be where it is today without the kind of energy, know-how and generosity that Mr. Clark has demonstrated."

George Dieter, dean of the College of Engineering, said that future deans of engineering will face vastly different challenges than those of today, adding that the Clark endowment, which will be unrestricted in its use, will allow the A. James Clark School of Engineering to stay "on the cutting edge of engineering education." Current priorities at the school include: on-going curricular reform and faculty development; a commitment to state-of-the-art student labs and classrooms; recruitment and retention of distinguished faculty; recruitment and retention of outstanding students with special emphasis on women and minorities; and enhanced opportunities for leadership development and career services.

"We are very fortunate to have an alumnus like Jim Clark," Dieter said. "He is a wonderful example for alumni now and in the future of an individual who has achieved enormous success and credits his alma mater for starting him in the right direction.

"His involvement in the University of Maryland did not end upon his graduation," Dieter added. "Early in his career, he was employed on jobs at the university; his companies hire our graduates; he was instrumental in launching a new degree program in construction engineering and management, and now he has established a fund that will significantly enhance engineering education now and in perpetuity."

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Outlook

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

Vice President for Institutional Advancement
Kathryn Costello

Director of Public Information
Roland King

Director of University Publications
Judith Bair

Editor
Jennifer Hawes

Design & Layout
Kerstin Neteler

Assistant Editor
Rita Sutter

Photography
Al Danegger

Editorial Intern
Stephen Sobek

Production Interns
Jennifer Grogan
Regan Gradet
A. Kadry Cisse'

Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least two weeks before the Monday of publication. Send material to Editor, *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4629. Electronic mail address is jhawes@umdacc.umd.edu. Fax number is (301)314-9344.

Printed on Recycled Paper

Terrapin Trader Opens for Business

Continuous Improvement Team Makes it a Reality

Going, going, gone. That's typical talk for an auction, but it could be the song they sing at the Terrapin Trader, the university's new surplus property operation, which opened for business on May 17. With thousands of items for sale at bargain prices, merchandise is sure to move quickly.

Located in the Physical Distribution Center at the end of Rossborough Lane, the Terrapin Trader is a showroom filled with everything surplus, from filing cabinets to scientific equipment, retrieved from department attics and closets. This abundance of used but useful property is available at a reduced cost to the campus community.

Everything is priced and on display, Tuesdays through Fridays, from 10 a.m. to 3 p.m.

The Terrapin Trader was created to assist the university in avoiding unnecessary purchases and storage by facilitating the reuse of surplus property through a central location on campus. Departments can have their surplus items quickly and easily removed—at no charge—and earn money from the sale of the items.

Currently there are more than 2,000 items in the showroom, says Vickie McCaleb, assistant director of procurement and supply. Finds include used desks, filing cabinets, book cases, computers, typewriters, audio visual equipment, photocopiers, and some scientific equipment. "We check the equipment before putting it on the floor to make sure that it works," says McCaleb, "but we aren't offering any warranties." Potential buyers will be able to plug in equipment and test it themselves at the showroom, she says.

Computers are priced from $25 to $350, based on computer "blue book" prices. And, on opening day, Terrapin Trader chair prices started at $5 and ran as high as $350 for "a gorgeous leather recliner," says McCaleb. The advice of other surplus operations was sought in pricing items, she says. "We feel we've done a good job on setting reasonable prices."

For departments whose closets and hallways are packed with no longer needed items, the Terrapin Trader is a much welcomed solution to the clutter. In the past, says McCaleb, departments completed request forms through procurement. "In essence, it was a paper process to request bidders for items on surplus," she says.

One of the major problems with the old system, McCaleb says, was that it was paper intensive and took too long. "It took more than 74 days to process a surplus property disposal request," she says. And, in many cases, the process resulted in items that the departments couldn't get rid of. "[The items] stayed around and got stored in department attics and closets," she says.

"We're providing a central location to purchase used items," says McCaleb. "That didn't exist before. It's an ongoing quick and easy process for departments to dispose of their surplus."

One year ago, the Surplus Property Continuous Improvement Team was formed to look at how the university handles those items no longer needed by its departments. Led by McCaleb, the team included Steve Edwards, Academic Computing Center; Geno Schnell, Continuous Improvement Office; Jim Robinson, Environmental Safety, Paula Noll, Bursar's Office; and Paul Taylor, E and A Services.

The Physical Distribution Center, located on Rossborough Lane, opened last August, but was officially dedicated on May 16. It houses the new Terrapin Trader.

Initially, the team went through a Continuous Quality Improvement (CQI) process, says McCaleb. Members talked to current users of the surplus property process and interviewed 40 people on campus as well as 18 others at surplus property operations throughout the U.S. and Canada. "We were one of the first CQI teams to finish our project," she says. Working closely with Larry Walton, manager of the Physical Distribution Center, the team worked to develop the solution as well as the procedures, says McCaleb.

The team also is responsible for creating the Terrapin Trader name. "We created a name that identified it with the university and gave the connotation of things of value being traded," says McCaleb.

Supervising the Terrapin Trader is Mike Painter, whom McCaleb calls "the miracle man." According to McCaleb, Painter took a minimum of 18 truckloads of surplus items and organized them into a very easy-to-use showroom. "The items are attractively displayed

—continued on page 8

Professors Honored for Service to Public Schools

College Park professors have been spending time in elementary and high school classrooms across the state to help schools solve their most pressing problems.

The efforts of eight persons involved in these projects recently earned them the university's Presidential Award for Outstanding Service to the Schools. This annual award recognizes professors whose programs or outreach efforts use innovative approaches to help schools address specific concerns.

"These are some of the leading researchers at the university," said President William E. Kirwan, "yet they have the time and energy to work on some of the very tough day-to-day issues of our public schools."

Among the award-winning efforts were programs that offered teachers guidance in new classroom strategies and curriculum improvements. Other programs focused on motivating students, reducing negative behavior, and sparking greater interest in the sciences and humanities.

Patricia Campbell, a professor of curriculum and instruction, was recognized for her work developing successful new strategies for teaching math to elementary school children in Montgomery County. Project IMPACT (Increasing the Mathematical Power of All Children and Teachers) has been so successful at improving the math skills of elementary school children that the county has expanded it from three to eight schools.

High school math students across the state are benefiting from the Maryland Early Mathematics Placement Test developed by James Alexander, professor of mathematics. This test helps students assess their preparedness for college level math and offers advice to help them plan further math education. The test is now available through every two- and four-year college in the state.

Sharon Harley, a professor of Afro-American studies, worked with Prince George's County Schools to implement an ambitious multi-cultural curriculum development and teacher training program. She worked with 40 teachers to examine multi-cultural issues and develop ways to incorporate them into classroom lessons. Teachers completing the program noted it empowered them to build an environment for dealing with ethnically-diverse student populations.

The awards also recognized Peter Leone, associate professor in special education, for his work in helping six school districts deal with problems of troubled youth and substance abuse in schools. He developed the Center for the Study of Troubling Behaviors and has organized state and regional conferences focusing on issues of troubled youths.

High school and middle school biology classes are more exciting thanks to the efforts of Bretton Kent, director of the Summer Biology Institute. Teachers work with university scientists to explore more effective and exciting teaching methods that increase students' interest in science. The SBI has received both state and national awards.

The eight faculty who received the Presidential Award for Outstanding Service to the Schools are, pictured left to right, Elizabeth Shearn, Gregory Staley, Peter Leone, Patricia Campbell, Bretton Kent, Sharon Harley, Jordan Goodman, James Alexander, and President William E. Kirwan.

Jordan Goodman, professor of physics, has made himself a familiar visitor at many area schools where he can often be seen giving presentations and demonstrations on optics, sound and other physics topics. He has committed to making physics accessible and interesting for young people. He is now working with the Montgomery County Schools to prepare students to participate in the Westinghouse Science Talent Search.

Many high school students have learned that the classics still have value in modern society through their participation in Latin Day at College Park, coordinated by Gregory Staley, associate professor of classics. Students from all socio-economic levels have found that Latin is not strictly a pastime for the privileged.

Elizabeth Shearn, mathematics educator with the Counseling Center's Learning Assistance Program, has been involved in a number of efforts to help students improve their understanding of math concepts. She has worked closely with Prince George's County schools and serves as a member of the steering committee for Equity 2000.

Calendar May 23-June 20

Arts

University of Maryland Chorus Rehearsal: Tues., May 24, Open Rehearsal of Verdi's *Requiem*, 7:30 p.m., Memorial Chapel. 5-5568.

1994 Rossborough Festival: June 6-July 17, sponsored by the Maryland Summer Institute for the Creative and Performing Arts, 10 percent discount offered when purchasing three or more tickets. 5-6548

Chamber Music Series: Fri., June 10, Tawes Recital Hall. 5-6548.

National Orchestral Institute Philharmonic: Sat., June 11, Tawes Theatre. 5-6548.

Chamber Music Series: Fri., June 17, Tawes Recital Hall. 5-6548.

National Orchestral Institute Philharmonic: Sat., June 18, Tawes Theatre. 5-6548.

Lecture

UMIACS Seminar on High Performance Computing: Tues., May 31, 11 a.m., 2120 A.V. Williams. 5-6722.

Conference

President's Commission on Women's Affairs: Thurs., June 2-Sat., June 4, Tenth National Conference for Women Student Leaders, PCWA Committee on Undergraduate Leaders, George Washington University, Washington, D.C. 4-8505.

President's Commission on Women's Affairs Event: Fri., June 3, Professional Concepts Exchange. 5-2656.

Meetings

Second Annual Casey Journalism Conference: Mon., June 5, 5 p.m., University College Conference Center. 5-2394.

University of Maryland System Board of Regents Meeting: Fri., June 10, 8 a.m., University of Maryland University College. 5-2739.

Miscellaneous

Undergraduate Studies Professional Development Committee Brownbag Lunch: Tues., May 24, "Family Leave Act," Terry Roach, Noon, Maryland Room, Marie Mount. Part of the Women's Commission 20th Anniversary Celebration. 5-4743.

Special Events

Retirement Dinner for George Dieter: Wed., June 8, in honor of the dean of the College of Engineering, 6:30 p.m., Stamp Student Union. 5-3861.

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

Listings highlighted in color have been designated as Diversity Year events by the Diversity Initiative Committee.

NCAA Peer Review Program

continued from page 1

A peer review team will be appointed by the NCAA and will review the self-study report next April. The names of the members of this committee will be given to the university for approval next month. Data, including the minutes and notes of each committee meeting, will be made available to the peer review committee by Suzanne Tyler, associate director of intercollegiate athletics, who has been appointed "data czar."

"Providing this information gives them a chance to say, 'Are these folks looking at this properly? Are they glossing over things, overstating or understating?'" Sturtz says.

The final document to be given to the NCAA will be brief, about 50 double-spaced pages, and will represent almost a year's worth of work by the steering committee and subcommittees.

"It's just like the process of a normal accreditation review," Sturtz says. The accreditation agencies are somewhat envious that the NCAA is able to do this because it's always been their responsibility. "It wouldn't surprise me if [the accreditation agencies] use their perspective to see whether this is a professional and thorough review. I think they'll be quick to point it out if that is not the case."

The subcommittees will be required to report to the steering committee by July 1 with preliminary answers to the questions of the self study instrument. Stage two will involve interaction with the university community. The governance and commitment to rules compliance committee has already begun interviewing people (they plan to talk to Kirwan, the athletic director, a faculty representative and several of the vice presidents) and the commitment to equity committee has held open forums for the athletic department. But most interaction will be deferred until the fall when the required three year data set will be complete.

Sturtz says that the departure of Athletic Director Andy Geiger will not affect the self study process because only data from his administration will be included.

"If anything, the plan of improvement will give a sense of community input and direction to the new person coming in," he says.

Geiger, who was to be a member of the steering committee, will be replaced by Acting Director of Athletics William "Bud" Thomas, who is also vice president for student affairs.

Since the NCAA's 1987 sanctions against the university for "lack of institutional control," the Geiger administration has addressed the problems of gender participation and financial security or insecurity, Sturtz says.

"We have asserted institutional control very significantly in the last five years so I would be absolutely shocked if we didn't pass this self study," he says. "But I would not be surprised if there were some significant recommendations."

Sturtz says that the self study may have been more useful during the reformation of the program. "We had set a plan for improvement and proceeded on it. But [doing it now] does give us some incentive to evaluate whether we did the right thing and to see if the things we did are working."

This incentive is sweetened by the university's commitment to the techniques of Continuous Improvement (CI) and Total Quality Management (TQM), which are currently being used by the CI Council to improve the undergraduate student's experience at College Park. But unlike CI, the NCAA's self study program discourages the use of benchmarks.

"They expressly suggest that we not pattern ourself after another institution," Sturtz says. "They want us to look at our own circumstances, our own situation."

The self study is to be repeated by the university every five years, unlike the Middle States Association reviews, which are conducted every 10. Sturtz says that this shorter time period will provide for greater impact than the Middle States evaluations.

—STEPHEN SOBEK

Contributors Sought for Faculty-Staff Campaign, Incentives Offered

The Faculty-Staff Campaign for College Park, now in its second year, is making progress towards its million dollar goal, but contributions are still needed. According to Fritz Schroeder, Director of Annual Giving, faculty and staff have contributed $292,893 since July 1, 1993.

Contributions to the campaign benefit the campus in numerous and diverse ways, says Jon Rood, campaign chair.

Maryland's solar-powered cars, *The Pride of Maryland* and *The Pride of Maryland II*, have benefited from the support of many faculty and staff members from across the campus as well as in the College Of Engineering, says Rood. And, last year, faculty and staff gifts filled a critical void at the Center for Young Children. Contributions were used to purchase new classroom and playground equipment necessary to meet licensing requirements, according to Fran Favretto, director of the center.

Faculty and staff gifts can be directed to a variety of programs ranging from Benjamin Banneker Scholarships and the Maryland Educational Foundation to the AIDS Response Fund and the Association of Parents.

Support can be pledged to a specific program or used where it is needed most, and pledges can be made for one or two years. To make giving even more convenient, contributors may opt to give through payroll deductions. Or donations can be made by personal check. A gift of $1,000 or more qualifies contributors for membership in the Colonnade Society.

Schroeder says that campaign organizers hope to reach $325,000 by the end of the fiscal year, putting the university two-thirds of the way toward its goal.

As an incentive, all Faculty-Staff Campaign donors who contribute by the end of June will be entered into a drawing for the following prizes:
First Place: two roundtrip airline tickets for use in the continental U.S.
Second Place: A "College Park Season Ticket Package" including two 1994-95 season tickets for each of the following: Men's Basketball, University Theatre, Concert Society at Maryland, Women's Basketball, and Artist's Scholarship Benefit Series (Music Dept.)

The drawing will be held on July 18 and is open to all faculty and staff regardless of financial contribution. Any faculty or staff wishing to be included in the drawing should send their name, address and phone number to: Faculty-Staff Campaign, Annual Giving Office, 3112 Lee Building.

NOTE: Organizers wish to thank the Music Department, Intercollegiate Athletics, University Theatre and the Concert Society for their assistance with the drawing. The airline tickets are made possible through the university's Corporate Services office. Any faculty or staff member who uses one of the university's contracted travel agencies for professional or personal travel helps the campus earn "points" toward these travel vouchers. Please call Corporate Services at 405-1116 for more information.

The Rossborough Festival

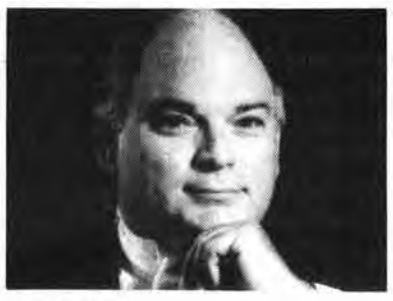
Cavani String Quartet

Friday, June 10 at 8:15 p.m.
Cavani String Quartet
Tawes Recital Hall

The Cavani String Quartet is one of America's premier chamber music groups, the Cavani brings its combination of extraordinary musicianship, energy and technical brilliance to a program of works by Beethoven, Donald Erb and Schumann.

Saturday, June 11 at 8:15 p.m.
National Orchestral Institute Philharmonic
Conducted by James Paul
Tawes Theatre

The National Orchestral Institute Philharmonic is a long name for an orchestra whose quality can be described in a short word: great. Designed for young musicians, the group comes together three weeks each summer at the university to gain experience under the batons of leading conductors and to study with leading orchestral players.



James Paul

Friday, June 17 at 8:15 p.m.
Manhattan Wind Quintet
Tawes Recital Hall

Founded in 1985, the Manhattan Wind Quintet is widely respected throughout the United States and Europe for its innovative programs and distinctive performances. The prize-winning quintet has been active in the promotion of the woodwind quintet repertoire, with an emphasis on contemporary chamber music, through recitals, residencies and outreach programs.

Saturday, June 18 at 8:15 p.m.
Noi Philharmonic
Conducted by Gerhardt Zimmerman
Tawes Theatre

Gerhardt Zimmerman

Zimmerman is music director of the North Carolina Symphony and the Canton, Ohio Symphony Orchestra.

Friday, June 24 at 8:15 p.m.
Cello
Tawes Theatre

Acclaimed by audiences and critics for their performances and 1990 compact disc release, Cello delivers both entertainment and enlightenment. This dynamic young classically-trained quartet of cellists is equally at home in a jazz club or a concert hall, with an exciting range of repertoire including Bach, Barber, Bartok, Gershwin, Miles Davis, Ron Carter and Vivaldi.

Saturday, June 25 at 8:15 p.m.
Noi Philharmonic
Conducted by Marin Alsop
Meyerhoff Symphony Hall, Baltimore

Alsop is principal conductor of the Colorado Symphony; Music Director, Long Island Philharmonic, the Eugene Symphony, the Cabrillo Music Festival and the Festival of American Music, Oregon.

Friday, July 1 at 8:15 p.m.
New Xavier Cugat Orchestra Show
Tawes Theatre

As hot as chili peppers and as cool as a frosty margarita, the New Xavier Cugat Orchestra Show presents a spectacular evening's entertainment of Latin big band sound and dancing.

Friday, July 8 at 8:15 p.m.
William Kanengiser
Classical Guitarist
Tawes Recital Hall

One of America's most gifted young classical guitarists, William Kanengiser has been praised nationwide for his impeccable technique and expressive musicality. He is one of a handful of guitarists to ever be awarded first prize in the prestigious Concert Artists Guild New York Competition and has performed throughout the United States as soloist and as a member of the Los Angeles Guitar Quartet. In this recital, Kanengiser displays a virtuosic range of repertoire from the Renaissance to the present.

Manhattan Wind Quintet

University of Maryland International William Kapell Piano Competition
Preliminary Rounds
July 14 through 16*

The competition presents an exciting opportunity to hear the best of the world's emerging pianists in the 18–33 age range compete for over $50,000 in cash prizes, performing for a jury of internationally acclaimed artists. A first prize of $20,000 plus a New York City recital will be awarded after the Final Round at the Kennedy Center

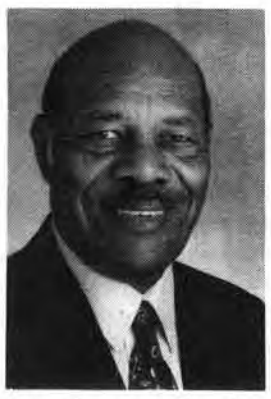
Cello

July 17* at 3:00 p.m.
Competition Semi-Final Round
Tawes Theatre

*Summer Session II registered students or Summer Activity Card holders are also eligible for complimentary tickets to July 16 and 17 competition rounds.

William Kanengiser

Black Faculty and Staff Association Hosts Seventh Annual Conference



Sen. Clarence Blount

The Black Faculty and Staff Association's seventh annual conference for African Americans in Higher Education is scheduled for June 8 and 9 at the Greenbelt Marriott Hotel.

The event will begin with an awards banquet Wednesday evening, June 8, to honor those who have advanced the African American agenda in higher education.

Individuals to be honored at the black-tie-optional affair are involved in higher education at the university or at the state or national level.

Mary Helen Washington, a College Park English professor, will be recognized for her literary criticism as it relates to African Americans and women. Washington has edited four anthologies by black writers. She is currently writing her own family memoir.

Noel Myricks, associate professor in the Department of Family Studies, is to be honored for his time spent coaching the university's mock trial team. Myricks has published extensively in books and professional journals. He is listed in Who's Who in American Law and Who's Who among Black Americans.

Others to be recognized are: Sen. Clarence Blount; Roscoe Nix, president of the Montgomery County branch of the NAACP; and Rev. Weldon Thomas, pastor of the St. John Christian Methodist Episcopal Church in Southeast Washington.

The conference, entitled "African Americans in Higher Education: An Unfinished Agenda," will take place on June 9. The program sessions are divided into three categories: current issues, professional development and personal development. Speakers will address topics including: career development, retention, athletics, wellness, communication and academics. Randall Robinson, executive director for TransAfrica Incorporated, will deliver the keynote address.

Registration deadline is May 27. For further information, call Pat Schaecher or Sharon Fries-Britt at 314-8431.

Keys to the Festival

Summer activity cards are available to students, faculty, staff and current members of the Alumni Association of the University of Maryland College Park. Cards may also be purchased by qualified people for their immediate family members.

Cards go on sale Tuesday, May 23 at the Campus Recreation Services window, Reckord Armory. Each card costs $10 and is valid for one session only.

The card also entitles the holder to sports activities on campus, many of which are free. Information: 405-6551.

Box Office Procedures

The Rossborough festival box office will issue complimentary tickets on a first-come, first served basis to registered summer session students and to holders of summer activity cards. Complimentary tickets cannot be reserved by phone.

For information, or to request a season brochure with full details of the Rossborough festival, call 405-6538.

Disability Support Services Makes Its Case for Additional Funding

If any more evidence were needed that bureaucracy is the tortoise and the masses the hare, one need look no further than the case of Disability Support Services.

In the last five years, the number of students it serves has more than doubled. There have also been significant increases in the number of faculty and staff who work with DSS. And the center's reach is vast, going beyond staff and faculty to include parents, visitors, even other universities.

While the Americans With Disabilities Act of 1988 has had an impact, Richie Hammett, DSS coordinator, is quick to point out that "in effect, it was no big deal." Since the Vocational Rehabilitation Act was passed by the campus senate in 1974, UMCP has been providing these services.

More significant, Hammett says, has been an increased public awareness of disability issues.

"Students with disabilities are being identified earlier. Years ago, a student with Attention Deficit Disorder, for example, would be told, 'Pay attention. Listen to me.' A teacher wouldn't know there was a deeper problem."

Now this need to understand why things are is part of our culture.

Consciousness has been raised. Sensitivities are heightened. All well and good, says Hammett, but "where is the support? The talk is there. Where is the action to follow through?"

At a recent hearing, DSS made its case, one it will continue to make until the administration acquiesces: with all the extraordinary change it's undergone, funding and resources have not kept pace.

Lisa Schwedt, a junior accounting major who transferred to College Park from Montgomery College two years ago, is typical of many of the students involved with DSS. While she is grateful that DSS can assist her at all, she would like to see its services expanded.

"It's been great," she says. "But there's so much more it can still do."

Space, says Hammett, is one of three primary concerns. "For students," she says,"there's the continuing frustration of accommodations."

The testing rooms, for students who need additional time to work through an exam, are neither big, nor private, enough. Often, she says, a student will be in one room taking an exam, while in the next a student will be crying to a counselor. Concentration during an exam is difficult for the most steely-minded of students. To a student with Attention Deficit Disorder it's nearly impossible.

More rooms, Hammett says, will go a long way toward alleviating the problem.

"We don't have our own testing service," she says. "Students go to the testing center." She estimates there have been 30 requests that have gone unfilled simply because DSS can't accommodate the high volume.

Equally frustrating for both DSS and the students it serves is the size of the present staff; three full-time staffers to work not only with more than 400 students on a continuing basis, but also their parents and professors, all while assisting the many visitors who come to them each week.

DSS depends on a network of 70 student volunteers whose priority is their schoolwork and who can't be around for every crisis. For those students who rely on DSS, Hammett says, that can lead to an extraordinary frustration.

A related problem is the absence of even one full-time interpreter. Interpreters are currently hired only on a freelance basis. A recent survey of comparable universities revealed that for every five students there is a full-time interpreter.

Now that the university has hired a learning disabilities specialist, Hammett would like to see it hire a few full-time interpreters from the 45 who are currently on call.

It would be, she acknowledges, as good a place as any to start. "We're only going to keep growing and growing," she warns. "What happens when we can't grow anymore?"

—TODD KLIMAN

University Honors Its Long-Time Employees

On May 16, more than 150 employees were honored for 20, 25, 30, 35 and 40 years of service to the university at an awards ceremony and reception in the Grand Ballroom of the Stamp Student Union. Each employee received a certificate and a desk stand which included his/her name, years of service and the UM insignia. President William E. Kirwan offered thanks and congratulatory remarks, and presented the employees with their commemorative gifts. The following is a list of the employees and their years of service:

20 Years

Robert Allen, Physical Plant
Charles Anderson, Central Maryland Research and Education Center
Allena Bagwell, Cooperative Extension Service
Audrey Barnett, Dining Services
Terry Barth, Police
Joyce Bell, Comptroller
Patricia Benfield, Intercollegiate Athletics
Edward Borack, Systems Administration
Pamela Bragg, Health Services
Thomas Bramel, Library
Lauretta Brewer, Physical Plant
Bernice Butler, Stamp Student Union Campus Programs
Elizabeth Byrum, Systems Administration
Barbara Campbell, Cooperative Extension Service
Robert Campbell, Physical Plant
Barbara Cronin, School of Public Affairs
James Cunningham, Physical Plant
Margaret Davis, Administrative Computer Center
Thelma Davis, Records and Registration
Bernice Daye, Cooperative Extension Service
Lorraine DeSalvo, Physics
Norma Donovon, Animal Sciences
Nancy Dulany, Cooperative Extension Service
Marlene Earl, Counseling and Personnel Service
Lawrence Evans, Dining Services
Pota Floros, Physics
Paulette Frazier, College of Computer, Math and Physical Science
Rebecca Frey, College of Health and Human Performance
Ursula Gedra, Institute of Advanced Computer Studies
Mary Hanberry, Comptroller
Edward Hanner, Environmental Safety
Y Hanumara, Office of the Bursar
Richard Hegarty, Physical Plant
Gerald Joy, Physical Plant
Karla Koles, Records and Registration
Jaunita Landis, Physical Plant
Carolyn Lewis, Resident Life
Joanne Lewis, Entomology
Melvina Lindenberger, College of Life Sciences
Mary Marshall, Physical Plant
Rosemary Martz, Cooperative Extension Service
James McClelland, Engineering Architecture Services
Hilda McCoy, Residential Facilities
Carol McGowan, Orientation
Arlene McKeller, Education Policy and Planning
Kathy Miller, Art History and Architecture
Ruth Nedd, Residential Facilities
May Nee, Records and Registration
Paula Noll, Office of the Bursar
George Oden, Police
Kathryn Orhelein, Computer Science Center
Yvonne Oslin, Counseling Center
Nancie Payne, Comptroller
Larry Pharr, Physics
Addie Rawlings, Physical Plant
Mary Reddick, Physical Plant
Carolynn Rice, Special Education
Huzoor Rizvi, Graduate Apartments
Gilbert Romaine, Intercollegiate Athletics
Shirley Ross, Personnel
James Royalty, Language Center
William Ruiz, Systems Administration
George Saunders, Physical Plant
Daniel Scheinberg, Physical Plant
Geraldine Scholl, College of Behavioral and Social Science
Priscilla Settle, Residential Facilities
Bobby Shepherd, Environmental Safety
Gloria Steadman, Urban Agriculture Import Center
Ruby Swann, Residential Facilities
Jean Tate, Records and Registration
June Thomas, Cooperative Extension Service
Eula Thompson, Library
Janet Turnbull, President's Legal Staff
Suzanne Tyler, Intercollegiate Athletics
Linda Vukovich, System Administration
Shashi Wahie, Agriculture Experiment Station
Janice Wildberger, Marine-Estuarine Environmental Science
Linda Wilkinson, Cooperative Extension Service
Mariko Wright, Civil Engineering

25 Years

Elizabeth Alley, School of Architecture
Robert Anders, Mechanical Engineering
Patricia Barberesi, Physics
Joseph Blandford, Administrative Computer Center
Mary Brian, Government and Politics
Rosemary Bryson, Dining Services
Andrew Campbell, Personnel
Francis Desrosier, Physics
Sally Dull, Guest Services
David Evans, Electrical Engineering
Sanders Floyd, Physical Plant
Gail Gibson, Residential Facilities
William Graves, Physical Plant
Beverly Greenfeig, Counseling Center
Joyce Hammond, University Printing
Theresa Hart, Procurement
Joseph Hayes, Physical Plant
Suzanne Hickes, College of Engineering
Robert Horne, Physics
Frances Hsu, Library
Joyce Hutton, Agriculture Experiment Station
Dorothy Kennedy, Physics
Gary Kennedy, Chemistry and Biochemistry
G Kirkley, Wind Tunnel
John Lee, Physical Plant
Ronald Leonard, University Printing
Walter McCarthy, Physical Plant
Joan McKee, Computer Science Center
David Moller, Computer Science Center
Sandra Monblatt, Residential Facilities
Mary Monn, Procurement
Manuel Morillas, Dining Services
Murray Nelson, Public Information
John Ohlmacher, Astronomy
Elizabeth Penniman, Electrical Engineering
Helen Reynolds, Physical Plant
Barbara Roberts, Physical Plant
Lillian Rollins, Zoology
Detlef Schlesiger, Library
Marie Smith, Dining Services
Elizabeth Sousa, Library
Geraldine Spriggs, Laboratory Experience
Robert Stumpff, Physical Plant
Nettie Ward, Residential Facilities

30 Years

Beulah Anderson, Physical Plant
Robert Armstrong, Physical Plant
Helen Burnett, Computer Science Center
Dorothy Butler, Library
Frances Cave, Health Services
Violet Contee, Residential Facilities
Thelma Decheubel, Agricultural Engineering
James Fitzmaurice, Mail Services
Rickey Fleshman, Physical Plant
Harry Forney, Physical Plant
Gloria Mann, Procurement
Sadie Miles, Residential Facilities
Adolph Mrncza, Engineering and Architectural Services
Audrey Scott, Undergraduate Admissions
Josephine Seth, Cooperative Extension Service
Lucille Settles, Dining Services
Lessie Spates, Cooperative Extension Service
Stella Tobin, Administrative Computer Center
Hilda Veney, Office of the Bursar

35 Years

Glen Lawson, Physical Plant
Joseph Mealy, Physical Plant

40 Years

Mordecai Brower, Physical Plant
John Gilbert, Physical Plant

Takenote

Research Shows Assessment Test Influencing Teaching

A recently completed university study finds that the Maryland School Performance Assessment Program (MSPAP) is changing what many teachers across the state are doing in their classrooms.

The two-year study, begun in 1992, focused on the reading component of the test being administered to thousands of third, fifth and eighth graders last week. The research showed teachers are using new approaches that require higher-order thinking and students are showing greater interest in reading and writing.

Funded by the National Reading Research Center on campus, this is the first independent, data-oriented study of the consequences of the state's innovative assessment program initiated in 1991. The findings show the test to be on target toward achieving the state's goal of changing and improving curriculums and teaching methods.

School districts across the nation are facing increasing public demand for assurances that students are learning what they need to be successful in an increasingly complex world. Many believe assessments, such as the one in Maryland, may be an effective way to achieve system-wide change.

The university researchers say this study strongly supports that view. They hold out Maryland's program as a model for other states seeking to implement reform.

The research revealed that after only one year under the new assessment program, schools and school districts had begun to modify their policies and instructional programs to bring them more in line with the goals of the test. Some 62 percent of the reading administrators interviewed in the study reported their counties' curricular goals had changed to bring them more in line with MSPAP objectives.

"This research was really the first look at the effects of a very new tool on the environment in which it is used — schools, classrooms and school districts," said William Schafer, the project coordinator.

Instead of assessing specific skills as in traditional tests, the MSPAP assesses a student's ability to construct meaning from different types of text, to apply language and critical thinking skills to real world problems and to write extensively in interpreting and responding to written information.

Reading coordinators for 21 of the state's 24 school districts were surveyed for the study, and in-depth interviews were conducted with school principals and classroom teachers who were involved in programs implementing various change strategies.

"The MSPAP was a catalyst for new thinking among many administrators," Schafer noted. "It led to the introduction of more complex reading, writing and thinking activities and the inclusion of 'real world' literature has spawned a richer context for the performance of these tasks."

Steven Ferrara, director of assessment for the Maryland Department of Education, noted that the findings of this study are reassuring in that they corroborate the state's own evaluations. "The assessment [program] was designed to help guide and goad improvements in instruction and learning," he said. "It appears that we are accomplishing what we set out to do."

University Band Marching Through Europe

The university's marching band will be taking its tunes overseas for the first time this summer. The band leaves May 24 for a three-week tour of Germany that includes half-time performances at a charity bowl football game in Hamburg, a World Cup Soccer game in Hanover and the European equivalent of an NFL Super Bowl game in Stuttgart.

Their performances will include a '50s rock and roll routine and a Western hoedown. Band Director John Sparks said, "They don't have marching bands in Europe, so we will be doing a lot of promotional programs such as parades and other small performances in addition to the formal shows."

The group was originally planning to perform at the charity bowl game alone, but when word got out about their trip, Sparks was contacted by the other organizations. Student costs are being subsidized by the sponsors. Each of the 105 people participating in the three-week tour will only have to cover a total of $785 of their own expenses.

Maryland Physicists are Top Quark Researchers

The apparent discovery in late April of the "top quark" by researchers at the Fermilab in Chicago could mean the last of the 12 subatomic particles that are the building blocks of all matter in the universe has at long last been identified. Such a discovery could lead to a better understanding of the concept of time, matter, and the universe. The discovery also would help validate the Standard Model, the sweeping theory that defines and explains our current understanding of the atom and its constituents.

Assistant Professors Andrew Baden and Sarah Eno, and Associate Professor Nicholas Hadley, in the Department of Physics, have been involved with top quark research at the Fermilab.

Baden's primary research involves probing nature via proton-anti-proton collisions at the Fermilab Tevatron. This research is in collaboration with Eno and Hadley with a focus on discovery of the top quark, and subsequent measurements of the mass and properties involved in its decay. Such information likely will yield understanding of the Standard Model of elementary interactions.

Eno's research specialty is experimental high energy physics. Her recent work has concentrated on tests of the Standard Model of the electro-weak interactions. Using the Collider Detector Facility (CDF) at Fermilab's Tevatron, she has made precise measurement of the properties of the *W* boson, one of the mediators of the weak force.

Hadley's research in experimental particle physics concentrates on searches for new particles and phenomena. Although the Standard Model of particle interactions is in good agreement with current experimental data, it contains a large number of arbitrary parameters and has a number of problems associated with the generation of mass.

Baden, Eno and Hadley are among the international collaboration of 440 physicists from 36 universities in Canada, Italy, Japan, Taiwan, and the United States. In announcing their findings at the Fermi National Accelerator Laboratory in Batavia, Ill., the physicists emphasized that is results were not conclusive.

Inbrief

Free Health Fair—University health center is sponsoring a faculty/staff health fair: Tuesday, June 21, from 10:30 a.m. to 3:30 p.m. Events will feature: hearing, vision and cholesterol screening; instruction in breast self-examination and stress reduction techniques; information on nutrition, mammography, cancer, exercise and skin care. Try a massage, discuss diet with a dietitian, ask a pharmacist about your medications. Call the health center at 314-8128 for more information.

Work the Kinks Out—The university health center offers therapeutic massages to students, faculty and staff at a reduced rate. For more information or to schedule an appointment for a relaxing massage, call the health center at 314-8128.

Sexual Harrassment Prevention Trainers Needed—The Sexual Harrassment Prevention Program is conducting a two-day training workshop on June 29 and 30, from 9 a.m. to 5 p.m. Interested faculty and staff should contact Vicky Foxworth in the Office of Human Relations Programs at 405-2840 for an application form and more information.

Hybrid Electrical Vehicle Debuts

A converted Saturn SL2, designed to please performance enthusiasts, economists and environmentalists, was unveiled by the Department of Mechanical Engineering on May 17. The electric vehicle equals current performance standards for most cars, and it is also expected to get 70 miles per gallon from its power-assist engine.

Congressional Staffers Feel the Heat at MFRI

Many a child has dreamed of growing up to be a firefighter, but for 15 Congressional staff members, the fantasy became reality on May 20 as they experienced the real-life jobs of fire-rescue and service personnel.

The one-day program gave Congress a first-hand look at the operations and needs of the nation's emergency services. Co-sponsored by the Maryland Fire and Rescue Institute (MFRI) and the Congressional Fire Services Institute (CFSI), the program helped the group comprehend the importance of safe, hands-on training and modern protective equipment for fire and rescue personnel.

Safety and instruction was provided by MFRI experts during the day, which included demonstrations of breathing apparatus, sprinkler systems, building fires and victim extrications.

"The MFRI course gives staff members a better understanding of the fire and EMS issues they deal with in Congress," said Pat Patterson, executive director of CFSI. "This is also one of the most popular programs which we sponsor and the staff members enjoy their training. They get a sense for the amount of hard work, training and self-sacrifice that it takes to be a firefighter."

State Approves Design Fee for Performing Arts Center

The state Board of Public Works has approved an $8.9 million design contract giving Moore Ruble Yudell the go-ahead to proceed with their work on the new $85 million Performing Arts Center.

The design fee was negotiated by a team of architectural and engineering professionals from the Maryland Department of General Services and the university.

The board authorized award of the contract to Moore Ruble Yudell, of Santa Monica. The firm was selected to design the complex from among 40 firms that submitted proposals. Baltimore-based Ayers Saint Gross is the associate architect for the project.

The center has been in the planning stages for more than a decade. Design work will take 28 months. Construction is expected to begin in the summer of 1996 with the center ready for use by late 1999.

Moody Makes It Maryland

Winner of Governor's Cup Accepted to College Park

Unassuming. Unpretentious. Unbelievable.

These are just some of the words people utter when Nathan Moody's name is mentioned. Many people, however, don't even know who he is or what he's accomplished—and that's fine with him.

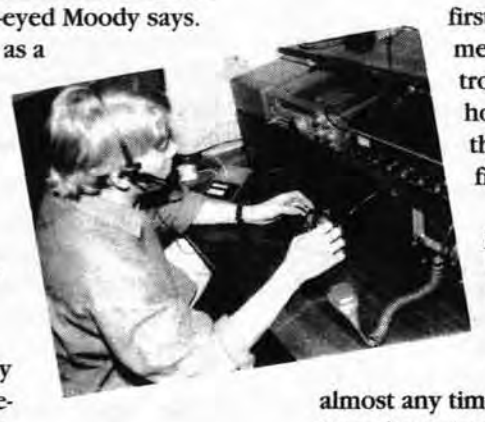
At 14, he received his ham radio advanced class license, which requires sending 20 words per minute in Morse code.

Just four years later, Moody's on his way to becoming what he's always wanted to be—a researcher in superconductivity.

In the fall, Moody will begin his freshman year at the university and plans to major in electrical engineering and physics. His parents are both University of Maryland graduates. His mother, though, hoped that he would attend West Virginia Wesleyan for the first two years.

Nathan considered attending MIT or Carnegie Mellon University, but decided on Maryland instead. "The big thing is the opportunity to join the research staff in the superconductivity department." He can't wait to graduate with his Ph.D.

"I want my Ph.D. so I can start doing the research as a real researcher," the blond-haired, blue-eyed Moody says. "I'd like to do that as a job."



Moody, an 18-year-old senior at Allegany High School in Cumberland, enjoys hiking, biking along the Chesapeake and Ohio Canal and any other outside recreational activity. But science is his passion.

When Nathan was a baby, Sharron and Douglas Moody, his parents, read science and history books to their son. By the time he was two-and-a-half he was reading and his interest in science began.

"In every corner of every room he had a work area," says Sharron, a certified Montessori teacher. "When he was two he started carrying a radio with him and even took it to bed."

His father, an electrical engineer, took the back off the radio and explained capacitors, resistors and transistors to Nathan. It wasn't long before he could explain it to others.

At three, he went to class with his dad, who was teaching continuing education at Allegany Community College in Cumberland. "We knew he was different then," says Sharron. "He was like a little man. He even wanted to wear suits."

At the time, Nathan's mother says she was focused on Nathan and he may have become too isolated. But three siblings, fraternal twins Anna and Bethany, now 14, and Jonathan, 10, caused Nathan to become more independent.

Nathan's parents sent him to kindergarten at public school and to Catholic school for first grade. But from second grade to fifth, they opted to teach him at home. During this time, Nathan set up several basement physics, chemistry and electronics laboratories.

He entered a private school, the Calvary Christian Academy, for sixth, seventh and ninth grade and attended Braddock Middle School for eighth grade.

"Sixth grade was my first bona fide full experiment which was on electromagnetic fields and how they compare to the earth's magnetic field," Nathan says.

Since then he has conducted what he considers four major experiments. But he performs smaller experiments almost any time he has questions.

Once he entered the tenth grade at Allegany, he began competing, and winning, in area science fairs.

Last summer, he started his latest project on high temperature superconductors. His interest in this research began when he attended a summer research program at Oak Ridge National Laboratory. This year, he can return there any time with security clearance.

His research on high-temperature superconductors garnered him the title of Outstanding Researcher at the Maryland Junior Science and Humanities Symposium held at UMCP. He almost missed the symposium in March because of snow. But thanks to the Yellow Top Cab Company—$175 for a one way fare—Nathan made the symposium in time to present his paper. Moody also won the Governor's Challenge Cup and recently attended the National Symposium in Raleigh-Durham, N.C.

He graduates in June and will attend the International Youth Science Forum in London, England this summer.

"I'm very proud of him. And I'm not just saying that because he's my son," says Douglas Moody. "He's put a lot of hard work into this and it's not something that's done overnight."

"It's a challenge and it's rewarding when I accomplish what I set out to do," Moody says. "I never get bored with it. I just go in a different direction if I'm not getting anywhere."

As a break from science, Moody works at restoring his 1973 Volkswagen Beetle. Even when relaxing, Moody likes to be doing something.

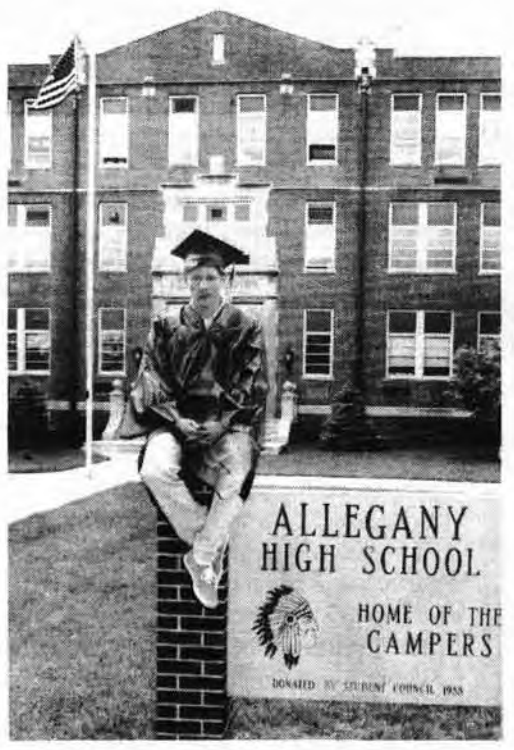
"He's such an inspiration," says Jane Belloff, an Allegany guidance counselor. "He doesn't allow one minute to pass."

Fourth period, Moody works in the guidance office and helps a student with disabilities. Belloff says that the student can't wait to see Nathan and giggles and laughs the entire time he's there.

Gary Hendrickson, Nathan's physics II teacher, says Moody is the best physics student he has taught in 27 years, especially in electronics.

"The students give him much respect," says Hendrickson, who earned his Ph.D. in education from the University of Maryland Extension

Surrounded by family, favorite teachers and Maryland legislators, Nathan Moody received the Governor's Challenge Cup last March. The Allegany High School science wonder, becomes a UMCP freshman this fall. When he's not playing scientist, Moody relaxes by tinkering with his VW Beetle or operating his ham radio.



Program. "Everyone wants to be his lab partner."

Amy Workman, Moody's chemistry teacher and Hendrickson are participants in the Governor's Academy. Thus they are credited with improving Moody's science knowledge.

Hendrickson says that Moody is unassuming and would rather keep a low profile instead of being in the limelight.

But that may be difficult for now.

—MARIA MARTIRANO

Trader Jump

continued from page 3

and the showroom is comfortable to walk around in," she says.

Terrapin Trader items, those no longer needed by a specific unit, are treated in accordance with the university's Surplus Property Policy and become available for sale to others in the following order: University of Maryland departments; other state of Maryland agencies; other non-profit entities, university faculty, staff and students; and finally to the general public. Based on the May 17 opening of the Terrapin Trader, items will be available for purchase to university faculty, staff and students on June 7. On June 14, the items are available to the general public.

McCaleb advises departments to bring an Internal Services Request form (the means by which departments purchase items) with them when first scouting out the items. "We aren't able to hold items," she says. Another method of departmental payment is a memo noting the department's FAS number, signed by the person with budgetary authority.

For individual purchasers, the Terrapin Trader accepts VISA, MasterCard, Discover, Terrapin Express, checks and money orders.

Proceeds from the sales are given to the releasing department, says McCaleb. "All of that is determined on a scale that is set up and published," she says. And there is a small handling charge that Terrapin Trader keeps to cover its operating costs.

Departments interested in sending an item to the surplus site, says McCaleb, need only fill out a Terrapin Trader form. Someone from the trader will pick up the item. "We've made the process simple and customer friendly," she says. The number to call for pick-ups is 405-5856.

McCaleb is confident that there will be ongoing surplus to keep the Terrapin Trader up and running. "We assume that because departments outgrow the need for their equipment, there will be enough to keep the trader going."

"The response has been very exciting," says McCaleb. "Departments that have had to stretch their budgets will benefit. They'll find good things at very low prices."

Persons seeking the university's surplus property policy and Terrapin Trader information are asked to call 405-5856.