

ON CAMPUS

NOTEBOOK

The Governor's Academy

This summer the Governor's Academy for Mathematics, Science and Technology opened its doors at UMBC, providing the state with its first summer residency program for math and science teachers. Fifty-six high school and elementary school teachers were chosen from around the state to launch the pilot program.

Next summer UMBC, working closely with the Maryland State Department of Education, expects to continue the program and add the student component: some 45 11th and 12th graders who will spend their four weeks on campus exploring great advances in science and technology with UMBC scientists and selected faculty from other campuses. If all goes according to plan, the academy will serve as a model for replication on campuses across the state.

Groundbreaking

The 1989 session of the Maryland General Assembly approved UMBC's capital budget request of \$25.3 million for the construction of an Engineering/Computer Science building. With the selection of a builder and approval by the Board of Public Works completed during the summer, the first shovel of dirt should be turned this fall for the 123,000-sq.-ft. building that will be located behind the University Center.

Presidential Professors

Robert K. Webb of the history department has been named the first Presidential Research Professor and Jay Freyman of ancient studies has been named Presidential Teaching Professor. The two honors have been created to recognize sound research and outstanding teaching. Each appointment will be held for four years, and then may be renewed. Every spring for the next three years, an additional research and teaching professor will be selected to serve a four-year appointment until we have eight outstanding professors serving.

General Education Requirements

Beginning this fall, matriculating students will be bound by the new General Education Requirements (GERs), which will replace the General Distribution Requirements (GDRs) of the past. The GERs differ from the GDRs in two ways. First, students must take courses in each of the four broad fields of learning—humanities and fine arts; mathematics and natural sciences; the social sciences; and modern and classical languages and culture—rather than being allowed to omit one, as has been the case in the past. Second, the list of approved courses is more limited.

The GERs, which have been under revision over the past three years, are designed to give greater breadth to the general education of UMBC students.

Students are encouraged to select GER courses on the basis of their interest and curiosity.

UMBC Joins ECC

UMBC was invited in January to join the East Coast Conference in 1990. Our new athletic rivals will include Central Connecticut State University, University of Delaware, Drexel University, Hofstra University, Marist College, Rider College, and Towson State University. Membership in the conference will bring our best athletes some well-deserved national recognition, as well as giving our teams a post-season challenge—the chance to compete in the conference finals even if they've had an average season of competition.

Nurses Host Governor

A beaming Governor Schaefer spent three hours on campus last spring, dining with UMBC's nursing students and examining every one of 42 posters that depicted the graduating seniors' year-end community projects. His visit was the result of a chance encounter last Christmas when Jean Thompson, president of the Nursing Council of Majors, ran into him while Christmas shopping. She invited him to campus to learn about the work our nursing students are doing with communities all over Maryland. The students were surprised and pleased that he accepted, and the usual oral end-of-the-year presentations turned into a celebration lunch for 160 dignitaries, administrators, and students.

South Africa Divestiture

At its June 7 meeting the University of Maryland System Board of Regents approved the finance committee's recommendation to sell the University of Maryland's stock in companies that do business with South Africa. For the past three years, a shanty has stood at different locations on the UMBC grounds, most recently in the University Plaza, representing the students' symbolic protest against UM's investment in South Africa. Some 30 UMBC students joined UMCP and Towson students in urging the Board of Regents Finance Committee decision, earlier this year, to divest.

Robert Gerle Retires

UMBC Professor of Music Robert Gerle retired from conducting the UMBC Symphony in April. Mr. Gerle had been with UMBC for over 17 years, and was the founder of the university's program in instrumental music. He is an internationally acclaimed violinist and the author of a best-selling book on the violin.

Many members of the UMBC community joined local symphony fans to honor the maestro. At a reception following his final concert, Dean Richard Neville announced that Mr. Gerle had been named professor emeritus by President Hooker.

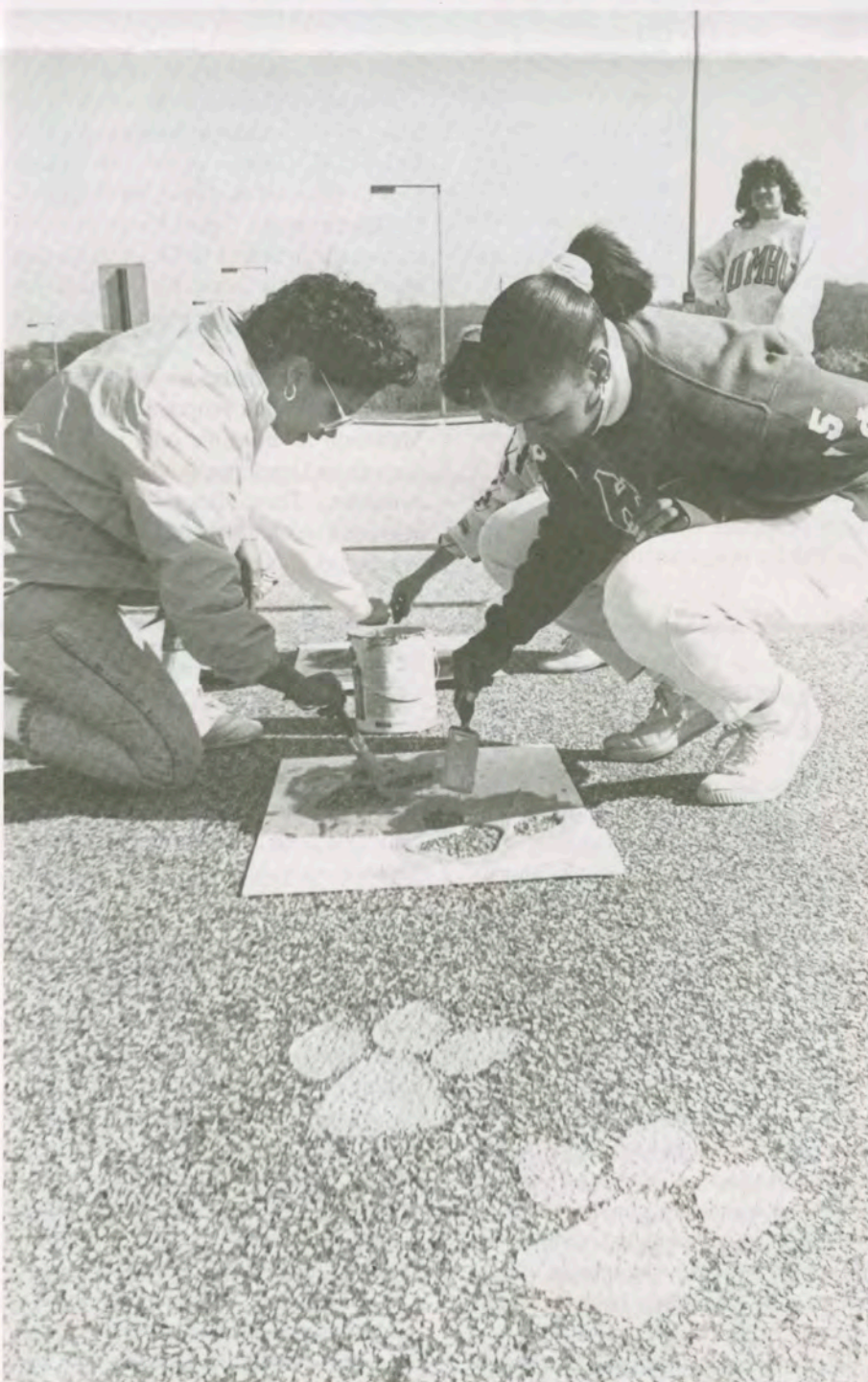
Commencement and Farewell



Chancellor John S. Toll presents the last honorary degrees as head of the University of Maryland System at UMBC's commencement exercises, held in the Fieldhouse on Sunday, June 4. A record number of over 1,400 bachelor's, master's, and doctoral degrees was awarded. Paul Duke, moderator of PBS's *Washington Week in Review*, was commencement speaker. He and Dr. K.T. Li of Taiwan, jazz artist Max Roach (shown, left, with President Michael Hooker and Dr. Toll), and Dr. Frances M. Froelicher received honorary degrees. Toll is retiring after having served for over 11 years as university president and chancellor.

Jim Nichols

The Paws That Refreshes



On a Sunday afternoon last spring, Alpha Kappa Alpha Greeks Bridget Newman (left) and Penny Jones opened Greek Week at UMBC by surrounding the Loop with paw prints of the campus mascot, True Grit. Although the Chesapeake Bay Retriever is cast in bronze, and his prints are not exactly anatomically correct, he appeared to have left a two-mile indelible yellow impression on the campus roadway by the week's end.

Tim Ford

Tandem Mass Spectrometers Find Home in Chem/Physics

Four massive trucks—two flatbeds and two moving vans—made their slow way onto the center of campus early one morning last fall. Under steady rain, their precious cargo came out on forklifts and went into the basement of the Chem/Physics Building.

The long-awaited JEOL tandem mass spectrometer had arrived at last, sent from Japan early in September, stalled in the Pacific awaiting the end of Hurricane Gilbert, then sitting in customs in New York for a month.

In its new home, next to the "baby" Hewlett Packard gas chromatograph mass spectrometer and next door to the 500 MHz Nuclear Resonance Spectrometer (NMR), there isn't much elbow room. Even without its three miles of cables, its computers and consoles, it weighs 12.6 tons.

Chemistry Department Chairman Catherine Fenselau explains the advantages the three machines will bring to the campus, and how they can affect research being done here and throughout the nation:

"The mass spectrometer makes ions, weighs molecules, and studies gas phase chemistry. It was developed in the early 1900s in England and demonstrated stable isotopes which led to Einstein's theories on energy and matter and led to an understanding of the structure of the atom.

"Today, mass spectrometry has become important to analytic chemists, because scientists, including biotechnologists, are now dealing with heavier and heavier molecules. The \$6 million mass spectrometer aboard the Viking bound to Mars was able to identify gases surrounding the planet by assessing their molecular weights. Carbon dioxide, for instance, was characterized as 42. A

more down-to-earth application predicts the shelf life of bioengineered pharmaceuticals, such as bovine insulin, or analyzes blood samples for the presence of steroids in athletes."

Our three instruments are all part of the Center for Structural Biochemistry, which opened its doors on April 10, kicking off a day-long international symposium on "Tandem Mass Spectrometry in Biotechnology" that attracted scientists from around the world.

The center, which occupies over one-third of the lower floor of the Chemistry-Physics complex, is one of six such centers in the world. It will play an important part in advancing Maryland's leadership role in high-technology/biotechnology nationwide. Dr. Fenselau envisions that scientists will fly samples to BWI, which will be transported over the new I-95 to UMBC for analysis. Dr. Fenselau also sees the arrival of the three instruments as crucial for undergraduate and graduate education at UMBC.



Tim Ford



Tim Ford

Top, Chemistry Department Chairman Catherine Fenselau inspects the new JEOL tandem mass spectrometer at the opening of UMBC's Center for Structural Biochemistry. Bottom, dressed for the rain, the 12.6-ton mass spectrometer is carefully lowered from its moving van.

Appointments



Earl Hawkins

Earl Hawkins was named head men's basketball coach on May 24, 1988. In his first season at UMBC,

Hawkins led the Retrievers to a record of 17-11, including a victory in the inaugural Baltimore Beltway Tournament. Seventeen wins is the most by a Retriever cage squad since 1981-82.

Hawkins had served as head coach at Crossland High School (Md.) from 1978 to 1988, and in his final three seasons, his teams won 71 games, including a state championship, and lost 7. Hawkins also coached at Frederick Douglass and Potomac high schools and at Suitland Junior High prior to heading the Crossland staff.

Hawkins graduated from Glenville State (W.V.) College in 1974 with a B.A. in physical education, while competing for the basketball team. He was a member of the Waldorf Carpets Amateur Basketball team which represented the United States in 1985 in Mozambique, Africa.

Richard Neville

Dean of Arts and Sciences Richard Neville returned from sabbatical this fall

to be the senior advisor to the president and provost. In his new position, Dr. Neville will be involved in policy making and faculty development and will coordinate the task forces that are working on inter-campus relations in the new University of Maryland System.

Gary Rupert

Gary Rupert was appointed associate director of alumni relations in July. He has served the athletic department at UMBC for 11 years as acting director (1988-89), associate director (1980-88), and assistant director (1977-80). Rupert, a native of Bloomsburg, Pa., was a three-sport athlete at Bloomsburg University, where he received his B.S. in education in 1966. He earned his master's in education from Temple University in 1968.

Rupert served as assistant basketball coach at Philadelphia Textile and moved to Baltimore in 1970 to become head basketball coach at Johns Hopkins University.

Wilbur Hicks

Wilbur Hicks has been named assistant to the vice president for student affairs. He came to UMBC from the Community College of Baltimore, where he was dean of instruction from 1986 to 1988. Prior

to that he was on the faculty of the Community College of Baltimore and was a part-time judicial affairs officer at UMBC.

Mr. Hicks holds a B.A. from Fisk University, an M.A.T. from Harvard, an M.L.A. from Johns Hopkins, and a J.D. from the University of Maryland School of Law. His job at UMBC will be to provide chief administrative support for the vice president for student affairs.



Lawrence Johnson

Lawrence Chism Johnson was appointed director of the Office of Human Relations Programs in September, 1988. Mr. Johnson came to UMBC from the law firm of Jones and Johnson. He previously was executive director of the Council on Legal Education Opportunity (CLEO) from 1985 to 1986. He worked eight years as a staff attorney for the Center for Law and Education, and a year as general counsel in the Massachusetts Office of Affirmative Action. He holds a J.D. degree from Boston College Law School and a B.A. from Saint Olaf College in Northfield, Minnesota.

Scholarship Honors Twin Brothers

Gregory and William Faith, twin brothers who graduated from the chemistry program in 1973, have been honored by the establishment of the William C. and Gregory O. Faith Memorial Scholarship. The scholarship was created by Mrs. Florence Faith to honor the memory of her twin sons, who died in 1988. Gregory, a specialist in internal and emergency medicine, had a clinic in Dallas, Tx. William was a cancer researcher for Rohrer Pharmaceutical in King of Prussia, Pa. At the end of his life he discovered a heart medication that has been patented by his company.

In addition to assisting students financially, the scholarship will be designed to promote the intellectual drive and human caring that were characteristic of the Faith brothers.

Private donors have already contributed \$3,625 and corporate matching gifts have raised the fund to \$6,425. The fund is expected to grow to at least \$10,000 and become endowed in perpetuity.

Alumni who knew Gregory and William Faith during their years of study at UMBC are invited to contribute to the scholarship.

Please contact Frances Smith, Office of Institutional Advancement, 301/455-3946.