



Board *of* Visitors Report
2004–2005





THE EXECUTIVE COMMITTEE FOR THE UNIVERSITY OF MARYLAND
COLLEGE PARK FOUNDATION BOARD OF TRUSTEES SERVES AS
THE BOARD OF VISITORS FOR THE ANNUAL BOARD OF VISITORS REPORT.

Under the leadership of President C.D. Mote Jr. the University of Maryland has soared to national prominence. During the first year silent phase of the university fund-raising campaign, \$122 million dollars was raised from alumni and friends of the university. And in 2004–05, our combined research and development funding reached nearly \$330 million dollars. The university continues to be on a roll. The quality of the students, faculty, staff, alumni, programs, and facilities is evident in the achievements that occurred between July 2004 and June 2005, as described in the next few pages.

Leadership in the state and region is a responsibility the university has undertaken with enthusiasm, commitment and success. In order to fulfill its mandate as the state’s flagship, the university must deliver the promises of both high quality and affordable access to Maryland’s citizens. The university can deliver both quality and access only in conjunction with its partners—the University System of Maryland Regents, the state, and alumni and friends. To that end, the board strongly encourages the full support of the governor’s proposed FY07 budget, consistent with the first year revenue and expenditure targets for the four-year “Delivering the Promises” plan. (See Appendix.) It is imperative that the university receives support from the state if it is to move ahead with strategic development of programs that enhance national eminence and simultaneously make a Maryland education affordable for all deserving students through substantially increased scholarship funds.

The initial planning phase for the Tawes renovation was funded this past year. This year the board is advocating for the funding to continue in order to complete the renovation of the Tawes Building. Renovation is vital if we are to

maintain and enhance the enormous resource of our nationally recognized Department of English. This project has been continuously delayed and it is now critical that the funding for the project continue as planned.

Finally, given the dire condition of the current physics facility, the board strongly recommends that the governor and the General Assembly accelerate the funding dedicated to the Physical Science Complex to enable the university to begin the project immediately. Without prompt action, Maryland will be unable to attract and retain quality faculty and students and it will be unable to maintain its strong national rankings.



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Deep Impact Leaves Its Footprint for the Ages on a Comet in Space

A Maryland-led NASA team hit the bull’s eye 83 million miles into space on July 4, 2005, crashing an impactor vehicle into the Comet Tempel 1. It was the first time humans have ever made contact with a comet in space and resulted in a barrage of research information that could answer some of the questions of how the solar system came to be. Michael A’Hearn, professor of astronomy, was the guiding force behind the science of the mission and he was the entire event’s principal investigator. He and colleagues from the Department of Astronomy did the unlikely, overcoming pre-mission hurdles—the inevitable surprises, budgets, bringing together hundreds of scientists—to set up a mission that performed flawlessly on its way to the history books.

Holding the Debt Burden Down

Limiting student debt is a key goal in order to maintain access to the high-quality education offered at the University of Maryland. In Fall 2004 President Mote initiated the Maryland Pathways program, which allows an in-state student coming from a poverty level circumstance (family of four whose income is below the poverty line of \$22,000) to graduate from the university debt free. This is a 180-degree turn from the earlier requirement that a student maximize allowable debt before a need-based scholarship would be available. Mote is also instituting another program, Maryland Pathways II, which will cap the federally approved debt at graduation for in-state students with family incomes in the \$22,000 to \$65,000 range at no more than the cost of attendance of one year. That debt load, though not small, would be relatively manageable, known in advance of matriculation, and substantially less than the student’s perception of the maximum debt. Implementing Maryland Pathways II requires increased philanthropic support for scholarships.

Scholarship Benefit

A major highlight of the year was the Scholarship Benefit held on September 18, 2004. Alumni and friends gathered to kick-off the scholarship portion of the campaign. The benefit itself raised more than \$1.5 million, capping off a year in which nearly \$25 million was committed for scholarships. The climax of the evening was President Mote’s surprise announcement of a gift commitment from men’s basketball coach Gary Williams ’68, as well as the announcement that Coach Williams has also agreed to serve as co-chair of the Scholarship Campaign.

Educators Honored as “Merrill Master Teachers”

The new Philip Merrill Presidential Scholars Program identifies 25 of the most successful students in the university’s senior class and asks them to designate the K–12 teacher and university faculty member whose mentorship had the greatest impact on their lives. The program celebrates the connections between mentorship, scholarship and academic achievement with special recognition for teachers and the students who have excelled as a result of their influence.

“We desire to have an Institution superior to any other.”

—CHARLES BENEDICT CALVERT,
UNIVERSITY OF MARYLAND
FOUNDER, 1858



Celebrating our History: 150th Anniversary

Planning is well under way for the University of Maryland’s 150th Anniversary celebration, which will run from September 2005 to October 2006, the kick-off of the public phase of the capital campaign. The anniversary is an excellent opportunity to acknowledge the university’s rich traditions and history, celebrate Maryland’s present achievements and look forward to its future. “Celebrating the University of Maryland: A Model of the Modern Research University” is the theme, which will lend itself to opportunities for visibility during the upcoming year. Literally hundreds of events are planned for campus activities and statewide celebrations.



National Academy of Sciences Elects Physics Professor

The National Academy of Sciences announced its election of 72 new members, 19 of whom are women, the largest group of women ever elected in one year. Included in this class is Ellen Williams, Distinguished University Professor of physics. Williams is the 16th active faculty member to be honored by the National Academy of Science. Election to membership in the academy is considered one of the highest honors that can be accorded a U.S. scientist or engineer.

National Science Foundation Names 'Distinguished Teacher Scholar'

The NSF awarded Edward Redish, professor of physics, a Director's Distinguished Scholar award for "having achieved not only ground breaking results in research, but for ... strong teaching and mentoring skills and major educational contributions." Redish, who has been at the university for more than 25 years, conducted research in nuclear theory emphasizing the theory of reactions and the quantum few-body problem.

Professor Joins American Academy of Arts and Sciences

Guillermo Calvo, Distinguished University Professor of economics and director of the Center for International Economics, was among the 196 individuals elected to the American Academy of Arts and Sciences in 2005. Fellows are selected through a highly competitive process that recognizes individuals who have made pre-eminent contributions to their disciplines and to society at large.

Math Professor Receives Wolf Prize for 2005

Sergei Novikov, Distinguished University Professor of mathematics affiliated with the Institute for Physical Science and Technology, was a co-winner of the 2005 Wolf Prize for Mathematics and will share \$100,000 with Yale University's Gregory Margulis. Novikov received the award for his fundamental and pioneering contributions to algebraic topology, differential topology and mathematical physics.

Two Faculty Are Among NSF-Supported PECASE Winners

President Bush named 20 young scientists and engineers to receive the Presidential Early Career Award for Scientists and Engineers (PECASE) funded by the National Science Foundation, the highest national honor for

investigators in the early stages of promising research careers who have also displayed leadership in their fields. Elisabeth Smela, assistant professor of mechanical engineering, and Konstantina Trivisa, associate professor of mathematics were among the 20 recipients who received monetary awards, ranging from \$400,000 to nearly \$1 million over five years to support their research and education goals.

Scientist First to Win DaimlerChrysler Berlin Fellowship

Faculty member David Poeppel, who holds joint appointments in the university's departments of linguistics and biology, won the American Academy in Berlin's 2004 DaimlerChrysler Berlin Prize. Poeppel's research is on the neurobiological factors that form the basis for speech recognition. He is the first scientist to win a coveted fellowship at the American Academy in Berlin—previous Berlin scholars had represented only the cultural and public policy disciplines.

Art History Professor Wins Guggenheim

The Guggenheim Foundation included Sally M. Promey, professor of art history, among its 2005 fellows. Guggenheim Fellowships are awarded "to further the development of scholars and artists by assisting them to engage in research in any field of knowledge and creation in any of the arts, under the freest possible conditions and irrespective of race, color, or creed." Promey's research topic will be "the public display of religion in the United States."

Faculty Member Makes MIT's Fourth Class of 100 Remarkable Innovators

Technology Review selected a list of the top 100 innovators under the age of 35, "Who Are Transforming Technology—and the World." Min Wu, assistant professor of electrical and computer engineering, was honored for devising "ways to hide digital watermarks in financial statements and other electronic documents to authenticate records, prevent fraud and deter unauthorized distribution."

New Leadership in Two Colleges:

Steve Fetter became the new dean of the School of Public Policy on July 1, 2005. A member of the public policy faculty since 1988, Fetter has directed the school's international security and economics specialization as well as its environmental policy specialization, and served as associate director of the Joint Global Change Research Institute. Fetter's research interests include nuclear arms control and nonproliferation, nuclear energy and health effects of radiation, and climate change and carbon-free energy supply. In the past he has taken leave to serve as special assistant to the Assistant Secretary of Defense for International Security Policy, and as a fellow with the Council on Foreign Relations and later as an American Institute of Physics Fellow at the State Department. Fetter received an S.B. in physics from the Massachusetts Institute of Technology (1981) and a Ph.D. in energy and resources from the University of California, Berkeley (1985).

The College of Agriculture and Natural Resources welcomed its new dean, Cheng-I Wei, on Sept. 1, 2005. Wei was professor and associate dean for research and graduate studies of the College of Human Environmental Sciences at Oklahoma State University. In 2004, he also served as interim head of the Department of Nutritional Sciences, where he interacted regularly with the Agricultural Experiment Station and Cooperative Extension Service. Dean Wei's research interests are nutritional safety, toxicology and immunotoxicology. Before his appointment at Oklahoma State, Wei was the Bruno Professor and head of the Department of Nutrition and Food Sciences at Auburn University, Alabama. Prior to that, he had a 17-year tenure at the University of Florida, Gainesville. Wei earned a B.S. in biology from the Tunghai University of Taiwan (1970), an M.S. in medical microbiology from National Taiwan University (1972), and a Ph.D. in microbiology from the University of California, Davis (1979).



Profile of Entering Students

This year's incoming freshman class is another academically talented population, rich in diversity. The mean SAT increase is the largest jump the university has experienced in a single year (from 1261 in fall 2004 to 1279 in fall 2005). Additionally, the number of students with SAT scores above 1400 has increased by nearly 200, with fully 18% of the incoming freshmen posting scores of 1400 or higher.



National Scholarships

One measure of a university's strength is its record of prestigious national scholarships awarded. Maryland students received the following awards last academic year.

- Winston Churchill Scholarship, a full scholarship to study science at Cambridge, was awarded to 11 students.
- The Barry M. Goldwater Scholarship, a \$7,500 award for sophomores and juniors in mathematics, science and engineering, was awarded to three students. There were only 320 awarded nationally in this year.
- The National Science Foundation awarded two students awards, which include a \$30,000 stipend and tuition for students in the sciences.
- Two students received the National Defense Science and Engineering Graduate Fellowship, which provides graduate school tuition and fees, as well as approximately \$30,000 a year for three years. There were only 180 National Defense Science and Engineering Graduate Fellowships presented in this year.
- U.S. Department of Homeland Security Undergraduate Scholarship was presented to an outstanding student entering their junior year. This award includes full tuition and fees, a \$1,000 monthly stipend for nine months and \$500 weekly for a summer internship at a DHS-designated facility.

Student Athletes

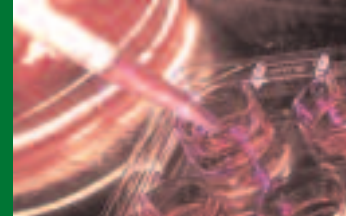
Nearly 300 Maryland student-athletes representing the university's 27 varsity sports earned a spot on the University of Maryland Academic Honor Roll for the Spring 2005 semester. Of the 296 student-athletes on the list, 37 achieved a perfect 4.0 grade point average. Student-athletes must earn a 3.0 GPA or better in a semester to be eligible for the Academic Honor Roll. There were 290 student-athletes who made the Fall honor roll.

A record number of 252 University of Maryland student-athletes made the 2004–05 Atlantic Coast Conference Honor Roll, an increase of 24% from the 203 Terps honored last year. The previous high was 206 in 2001. The ACC Honor Roll is comprised of student-athletes who participated in a varsity-level sport and registered a grade point average of 3.0 or better for the full academic year. Duke led the conference with 376 student-athletes on the list, North Carolina was second with 294, and Maryland was third with 252. Virginia had 232, Clemson 204, North Carolina State 183, Florida State 168, Virginia Tech 156, Wake Forest 130, Miami 126, and Georgia Tech 115. Two Terps were honored for the fifth time, including volleyball player Kathy Shahrokh, who earned the league's prestigious Weaver-James-Corrigan Award for academic and community service; and men's lacrosse player Ian Healy, who was a Phi Beta Kappa honoree.

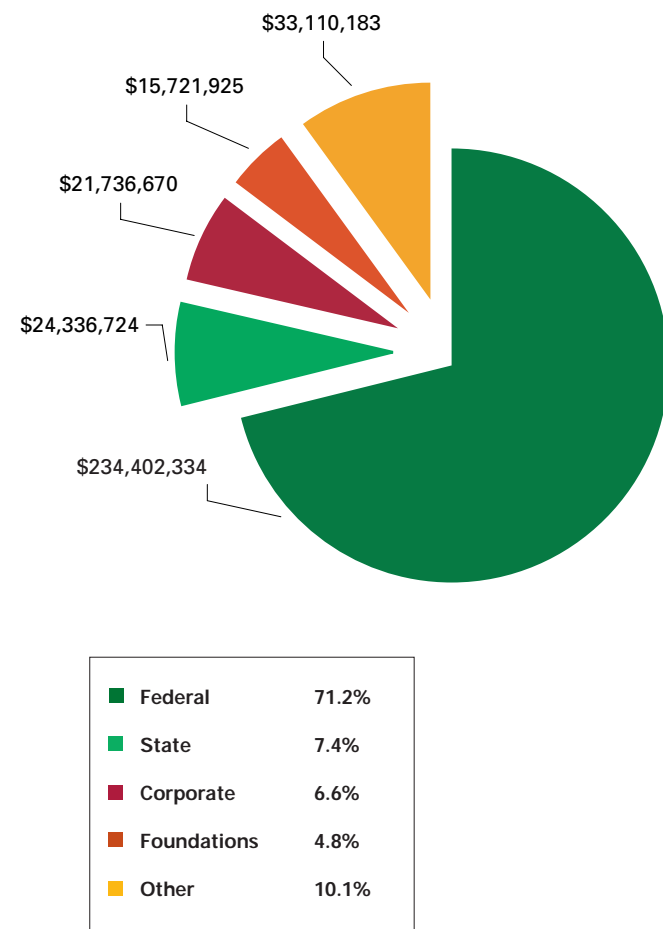


Athletic Achievements

- The football team defeated 5th-ranked Florida for the first time in school history, its first win over a top-five team since 1983.
- Men's soccer ranked third in the nation.
- Women's field hockey came in second in the nation.
- Volleyball ranked first in the ACC.
- Men's basketball swept its season with Duke for the first time since 1994–95.
- Women's basketball ranked 24th in the nation, went to its second consecutive NCAA tournament, and set a single-game ACC attendance record with more than 17,000 at Comcast for the Duke game.
- Women's swimming and diving ranked 12th in the nation, had an undefeated regular season, and won the ACC Championship Meet for the first time in school history.
- The Competitive Cheer team came in second in the nation.
- Men's lacrosse, ranked fourth in the nation, was ACC champs.



UM Combined R&D Funding FY2005



The university was awarded nearly \$330 million dollars for sponsored projects in 2004–05.

| Source | Amount | % of Total |
|--------------|----------------------|----------------|
| Federal | \$234,402,334 | 71.18% |
| State | \$ 24,336,724 | 7.39% |
| Corporate | \$ 21,736,670 | 6.60% |
| Foundations | \$ 15,721,925 | 4.77% |
| Other | \$ 33,110,183 | 10.05% |
| Total | \$329,307,836 | 100.00% |

The university celebrated two major initiatives to enhance its research mission and stimulate economic development in the region.

- The largest research park in the state of Maryland and the greater Washington, D.C., region had its official kickoff on October 14, 2004, during a ceremony that featured University of Maryland President C.D. Mote Jr. and a long list of distinguished guests, including U.S. Senator Paul Sarbanes, U.S. Representative Steny Hoyer '63, Maryland Lt. Governor Michael Steele and Samuel Bodman, deputy secretary of the U.S. Department of Treasury. M Square, the University of Maryland Research Park, comprises approximately 124 acres adjacent to the University of Maryland/College Park Metro Station and already has two anchor tenants: the National Center for Weather and Climate Prediction of the National Oceanic and Atmospheric Administration and the federally funded University of Maryland Center for Advanced Study of Language. At full build-out, it is expected that more than 2 million sq. ft. of research space and more than 5,000 workers will occupy the M Square site.



- On Sept. 14, 2004, the university broke ground for the Bioscience Research Building. Maryland Governor Robert L. Ehrlich Jr., Senate President Thomas V. "Mike" Miller '64, House Speaker Michael E. Busch, UMCP Foundation Trustee Wayne Hockmeyer, and President C.D. Mote Jr., attended the ground-breaking. The research that will be done in the new bioscience building is essential to the state's and the university's future. We applaud the governor and the General Assembly for their role in providing the funding for this cutting-edge facility.



THE FUTURE OF PUBLIC HIGHER EDUCATION IN AMERICA DEPENDS ON FORMING EFFECTIVE PARTNERSHIPS WITH GOVERNMENT, INDUSTRY, BUSINESS, FACULTY AND STUDENTS TO CARRY ON THE DISCOVERY AND CREATION OF KNOWLEDGE THAT UNDERLIES THE CONTINUING IMPROVEMENT OF OUR SOCIAL, CIVIC, ECONOMIC AND CULTURAL LIVES. PRESIDENT MOTE HAS FACILITATED THE ESTABLISHMENT AND ENHANCEMENT OF MANY PARTNERSHIPS THAT WILL BENEFIT BOTH THE UNIVERSITY AND THE LARGER SOCIETY.

NOAA's selection of the M Square site is a reflection of the University of Maryland's long tradition of atmospheric, climate and earth science research. And it's a recognition that in recent years Maryland has become a leading center for climate research and numeric weather forecasting, developing major new partnerships with federal agencies in the areas of earth science, remote imaging, climate change, and energy research.

contextual analysis of language, and human computer interaction and machine (computer) translation. The center looks at a wide range of factors affecting how languages are used and how they are learned. Its core tasks include: conducting basic and applied research on language, cognition and culture; fostering collaborative research across academia, government and industry; and fostering education in language, linguistics and culture to support language professionals in government service.

The University of Maryland Center for Advanced Study of Language builds on the work of the university's **National Foreign Language Center**. The NFLC serves as the nation's principal institutional resource for strategic planning and drafting of policy for language. Its current projects include developing high-level language centers at U.S. universities, creating Internet-based individual language instruction programs and helping K-12 school districts develop and improve language programs.

The University of Maryland will lead a new, federally funded research center designed to make freight transport more secure and efficient. The new **Center for Intermodal Freight Transportation Mobility and Security** will be part of the Maryland Transportation Initiative in the A. James Clark School of Engineering. The center will focus on mobility and security issues associated with the transport of goods throughout the vital Washington, D.C., to New York to Boston corridor, research intended as a blueprint for the nation. The awarding of \$700,000 to create the center will allow the new center to do critical research in the technologies that can best secure our intermodal freight system while maintaining or improving operational and economic efficiency. The new center will be a collaboration between the university and the

Rensselaer Polytechnic Institute. Congressman Steny Hoyer '63 secured the funding for the new center in the federal Omnibus Appropriations Act passed by the Congress on Nov. 20, 2004.

The University of Maryland will head a new, far-reaching national research and education project on **avian influenza**, to be funded with a \$5 million grant from the U.S. Department of Agriculture—the largest grant ever given by USDA to study a single animal disease or health threat. Virologist Daniel Perez, assistant professor and an expert in avian influenza research, will serve as program director of the project, in which researchers and extension specialists from 17 states will take part. The Delmarva peninsula experienced an outbreak of avian flu last year, resulting in about 350,000 birds having to be destroyed. Avian flu also has the potential to be a serious health risk to humans.

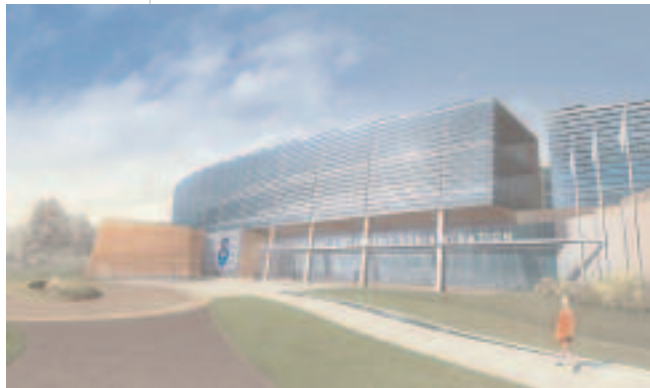
The Department of Homeland Security chose Maryland as the site for a new research center on the behavioral and social underpinnings of terrorism. DHS Secretary Tom Ridge visited campus to announce the formation of the \$12 million **Center of Excellence for Behavioral and Social Research on Terrorism and Counter-Terrorism**. Its director, Gary LaFree, professor of criminology and criminal justice, leads Maryland faculty members from criminology, political science and psychology, as well as faculty from 10 other colleges and universities. Major academic partners are UCLA, Colorado, Penn, and the University of South Carolina. Maryland is the fourth Center of Excellence to be established by DHS; the others are located at the University of Southern California, Texas A&M, and Minnesota.

The Maryland Emergency Management Agency announced the creation of the **Center for Agro-Security and Emergency Management**, a partnership between the College of Agriculture and Natural Resources and the state Department of Agriculture. Robert Halman of the university's Maryland Cooperative Extension is the director. "Our mission is to respond to natural disasters as well

as man-made disasters—terrorism." The center will oversee prevention of attacks involving the food supply and farms. It will also coordinate communication and education to the public and farmers and work with federal, state and county agencies.

The university was selected by the Alfred P. Sloan Foundation to establish the **Sloan Biotechnology Industry Center**. The University of Maryland's Sloan Biotechnology Industry Center will conduct research into key issues at the heart of biotechnology industry competitiveness (from international to regional). These include understanding the types, sources and means of reducing uncertainty in different stages of firm evolution; economics of the industry; factors and practices that can impact the product development cycle; factors that accelerate and impede the U.S. biotechnology industry's competitiveness; and the impact that biotechnology spillover has on other industrial areas. Maryland's new center, based in the School of Public Policy, is part of the Sloan Foundation's industry studies program, which establishes these elite centers to develop a depth of understanding and insight that can complement more theoretical academic research and individual, firm-level studies.

The Maryland **Center for Integrated Nano Science and Engineering** just opened in the recently completed Jeong H. Kim Engineering Building and *Small Times* magazine already named the new center one of the leaders in nano science and engineering. The magazine, which details technological advances, applications and investment opportunities in micro and nanotechnology, ranks Maryland No. 1 in both nano research and nano education. Maryland was ranked number two in micro research (tied with Michigan). The A. James Clark School of Engineering, the College of Computer, Mathematical, and Physical Sciences and the College of Life Sciences partner in managing the center.



NOAA selected M Square, the University of Maryland Research Park, for the site of its new building.

Another is the **Earth System Science Interdisciplinary Center**, a joint center between the university's departments of meteorology, geology and geography, and the Earth Sciences Directorate at the NASA Goddard Space Flight Center.

The University of Maryland **Center for Advanced Study of Language** is a federally funded University Affiliated Research Center that started in 2003. It conducts groundbreaking research that focuses on less commonly taught languages, language acquisition,



THE SILENT PHASE OF THE NEW FUND-RAISING CAMPAIGN BEGAN ON JULY 1, 2004.

THANKS TO THE SUPPORT AND COMMITMENT OF OUR ALUMNI AND FRIENDS, MORE THAN \$122 MILLION HAS BEEN COMMITTED IN FY05. IN ADDITION, \$37 MILLION IN DEFERRED GIFT COMMITMENTS (NOT COUNTABLE IN FY05) WERE RECEIVED, ALLOWING US TO SURPASS OUR GOAL OF \$150 MILLION IN THE FIRST YEAR OF THE CAMPAIGN. WE EXPECT TO RAISE OVER \$300 MILLION IN TIME FOR THE PUBLIC ANNOUNCEMENT OF THE CAMPAIGN IN OCTOBER 2006.

Generous Commitments of Private Support 2004-05

On Feb. 3, 2005 in the Maryland Statehouse, President C.D. Mote Jr. announced that A. James Clark '50 and Robert H. Smith '50 each had pledged \$30 million in new gifts in support of their alma mater. Clark's gift will provide scholarship support for students in the A. James Clark School of Engineering, which was so named in recognition of Clark's 1994 gift of \$15 million in support of engineering education. Smith's gift will support students, faculty and academic programs in the Robert H. Smith School of Business and the Clarice Smith Performing Arts Center. Smith, for whom the business school was named in recognition of his \$15 million gift in 1998, and his wife Clarice, for whom the performing arts center was named in 1999 in recognition of her \$15 million gift, have been strong supporters of business, performing arts and other programs at the university.

The School of Public Policy received a \$2.1 million grant from the John D. and Catherine T. MacArthur Foundation in support of the Advanced Methods of Cooperative Security Project. The Advanced Methods of Cooperative Security Program, directed by John Steinbrunner and Nancy Gallagher, is based on the premise that the fundamental problems of international security are being spontaneously transformed by a powerful combination of circumstances and that a substantial redesign of policy is likely to be required.

Patricia Bakwin Selch, widow of collector Frederick R. Selch, made an unparalleled gift to

the university of her husband's comprehensive and multifaceted collection covering the history of American music. The Frederick R. Selch Collection, which will be housed in the Michelle Smith Performing Arts Library in the Clarice Smith Performing Arts Center, "embraces every type of music performed by any peoples resident in America," according to its curator, Barbara Lambert. Valued at \$3.2 million, the Selch Collection includes nearly 800 musical instruments, approximately 6,000 books and manuscripts, and an array of musical works of art and ephemera. The music included in the collection covers the widest range of music from sacred to secular, popular to serious, simple to complex, solo and ensemble, and for the trained and the self-tutored. Ms. Selch made an additional contribution of \$100,000 in cash to support the collection.

The John S. and James L. Knight Foundation has made a new \$1 million grant to launch a pioneering program to explore new ideas for distributing news and information. Called "New Voices," the project is an initiative of J-Lab: The Institute for Interactive Journalism, an operating center of the Merrill College of Journalism.

Pedro "Pete" E. Wasmer '62 made a pledge of \$1 million in support of the Samuel Riggs IV Alumni Center. President of Somerset Capital Group Ltd. in Bridgeport, Ct., Wasmer has been involved with the Samuel Riggs IV Alumni Center almost since the project's inception and is a member of the UMCP Foundation Board of Trustees. In recognition of this gift, the rotunda, which serves as the main entrance and reception area to the Samuel Riggs IV Alumni Center, will be named in Wasmer's honor.

Eric F. Billings '77 made a gift of \$2 million in support of the Van Munching Hall addition. In recognition of his generosity, the atrium will be named in his honor. The atrium is the largest public space in Van Munching Hall and is the site of many of community events. Billings, who is a member of the Board of Visitors of the

A. James Clark '50 and Robert H. Smith '50 each pledged \$30 million in new gifts in support of their alma mater.



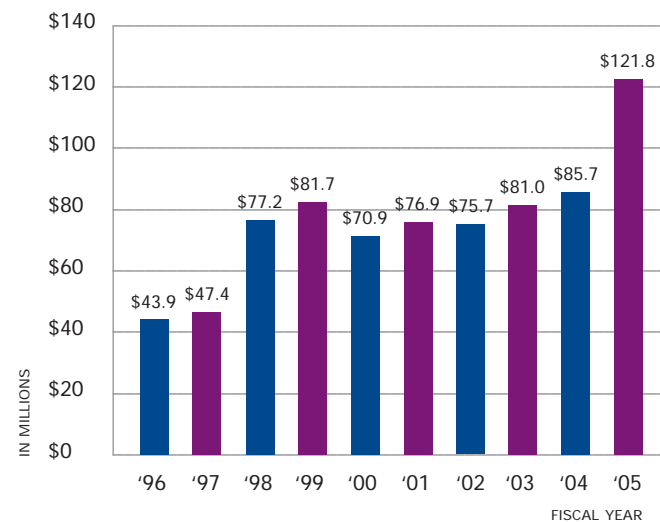
Robert H. Smith School of Business, is chairman and CEO of Friedman Billings Ramsey Group, a top 10 national investment bank.

Professor of Mathematics Michael Brin made an investment of \$2 million, ensuring the continued excellence of mathematics at the University of Maryland. With his gift, he established the Michael Brin Endowed Chair in Mathematics, which will be filled by a recognized world leader in the field of dynamical systems. In addition, four annual Michael Brin Fellowships will be awarded to graduate students in mathematics, selected strictly on the basis of demonstrated mathematical ability, achievement and potential. A Michael Brin Postdoctoral Fellowship Fund will support postdoctoral fellows in the general area of interest of the holder of the Brin Chair.

Chevy Chase Bank has made a commitment of \$2 million to the University of Maryland. Of the total, \$1.5 million will be used to support graduates of Montgomery College who enroll in the Smith School of Business at either the College Park or Shady Grove campuses. The remaining \$500,000 will establish a leadership intern program at College Park.

Robert A. Facchina '77 and his company, Johanna Foods, recently made two major contributions to the university. A gift of \$1.2 million will establish the Robert A. Facchina/Johanna Foods, Inc. Endowed Chair in Food Systems Security, which is the catalyst for the new Center for Food System Security in the College of Agriculture and Natural Resources. Additionally, Facchina has donated advertising space, valued at more than \$555,000, on 17 Johanna Foods trucks that travel the Washington-New York-Boston corridor. Facchina is also a member of the University of Maryland College Park Foundation Board of Trustees.

A Decade of Private Philanthropy





Alumnus Named to National Academy of Engineering

On the heels of his extraordinary gift to the university, A. James Clark '50 was elected to the National Academy of Engineering. He was recognized for the development of project controls and construction equipment, the creation of a major construction firm, and support for engineering education. Clark was one of only 74 members and 10 foreign associates selected by the academy this year.

Alumni Win E&Y Entrepreneur Awards

Brian Hinman '82 was named a winner of the Ernst & Young Entrepreneur of the Year 2005 Awards in Northern California in the Communications & Networking category.



Brian Hinman '82 is the president and CEO of 2Wire

Hinman is president and CEO of 2Wire, which he co-founded in 1998. 2Wire is a provider of broadband service platforms exclusively for the DSL market. Its solutions help DSL providers to offer an integrated "triple-play" of data, voice, and media services. David

Eisner '90, president and CEO of Dataprise, Inc., was named an Ernst & Young Entrepreneur of the Year 2005 Awards in Greater Washington in the Realizing Business Potential category. As part of Eisner's reward, Microsoft Corporation awarded Dataprise a \$10,000 technology grant to further its technology initiatives. Dataprise is a leading information technology services provider and systems integrator that solves the technology challenges of small and medium-size business. Hinman and Eisner will be eligible for consideration for the Entrepreneur of the Year 2005 national program to be awarded in November 2005.

Alumna Wins 'Genius Award' for Submersible Controls

Naomi Ehrich Leonard '91 M.S., '94 Ph.D., received a MacArthur Fellowship of \$500,000 for her work in control theory. The Princeton University professor of mechanical and aero-

space engineering and undergraduate alumna developed mechanisms to control 5-foot-long unmanned submarines—"robotic submersibles that have sensors on them," as Leonard put it—designed to glide undersea for months at a time, collecting data on water temperature, salt concentrations, and other factors affecting undersea life. Leonard is the third Maryland alumna to win a Genius Award: Karen Hesse '75 and Liz Lerman '70 were so honored in 2002.

Alumni Named to High Posts in the Federal Government

- Michael Griffin Ph.D. '77, took over as NASA's 11th Administrator on April 14, 2005. Griffin, who holds five master's degrees in addition to his Ph.D., was previously space department head at Johns Hopkins University Applied Physics Laboratory. Earlier in his career, he had served as chief engineer and associate administrator for exploration at NASA Headquarters and also worked at NASA's Jet Propulsion Laboratory.

- President George Bush nominated Gordon R. England '61 to be the U.S. Deputy Defense Secretary under Secretary Donald Rumsfeld, replacing Paul Wolfowitz. England, a former business executive, was previously Secretary of the Navy and also served briefly as Deputy Secretary of the U.S. Department of Homeland Security. Before joining the Bush administration, England, worked at General Dynamics Corporation as executive vice president.

Kyoto Prize Awarded to Alumnus

Simon A. Levin '64 Ph.D., George M. Moffett Professor of Biology at Princeton University, was selected to receive the 2005 Kyoto Prize in Basic Sciences. He is being recognized for "establishing the field of 'spatial ecology' and expanding scientific understanding of the biosphere as a 'complex adaptive system.' Professor Levin's use of mathematical models to understand the complex patterns of the biosphere

has made a substantial impact on environmental sciences and led to new methods of environmental protection." Levin is one of three laureates for the 21st annual Kyoto Prizes (which includes a cash gift of 50 million yen or approximately \$460,000). The Kyoto Prize is considered among the world's leading awards for lifetime achievement.

Alumnus to Head Bell Labs

Jeong Kim '91 Ph.D., professor of practice at the A. James Clark School of Engineering, was named president of Bell Labs at Lucent Technologies. Bell Labs designs products and services that are at the forefront of communications technology and conducts fundamental research in fields important to communications. Kim originally joined Lucent in May 1998 when Lucent acquired Yurie Systems Inc., a high-tech communications equipment company that he founded. From 1999–2001, he was chief operating officer and president of Lucent's Optical Network Group. Kim was also just named by the U.S. Pan Asian American Chamber of Commerce as one of the 10 Most Influential Asian Americans in Business. USPAACC, the leading Asian American business organization, works to foster business relationships between businesses, the U.S. government, and the minority community.

Other Alumni Appointments and Awards

- Byron E. Calame M.A. '66, a former editor at the *Wall Street Journal*, was appointed ombudsman, or "public editor," at *The New York Times*. His job will be to review comments from readers and the public about articles in the newspaper and to publish commentaries about current issues and the Times' journalistic practices.
- On Feb. 21, 2005, Edward A. Miller '50 and James W. Plummer M.S. '53 received the Charles Stark Draper Prize from the National Academy of Engineering for their pioneering work in the top-secret Corona Project. The Draper Prize honors engineers

16 Inducted into Alumni Hall of Fame

REVER ALUMNI HALL OF FAME OPENED

Sixteen of Maryland's brightest stars were inducted into the Alumni Hall of Fame on June 4, 2005. More than 400 guests attended the ceremony—the first to be held at the Samuel Riggs IV Alumni Center. The grand evening also marked the opening of the Philip R. Rever Alumni Hall of Fame, where portraits and citations of all 51 members are on display. The Alumni Hall of Fame Ceremony takes place every five years.

whose accomplishments have "significantly impacted society by improving the quality of life, providing the ability to live freely and comfortably, and/or permitting the access to information." Miller and Plummer were among five members of the Corona Project to be presented with the award. The Corona Project created the field of satellite surveillance, providing vital photographic information that permitted the United States to gauge the nuclear threat posed by the Soviet Union during the Cold War and pursue more effective foreign policies.

- Kevin Plank '97, president and CEO of the sporting goods maker Under Armour, was named the "William Donald Schaefer Industrialist of the Year" by the Baltimore Museum of Industry. The annual award recognizes innovative Maryland businessmen and women. Plank was presented with the award at a luncheon at the museum in May.
- Sergey Brin '93, co-founder of Google who majored in mathematics and computer science at Maryland, was among the 196 individuals elected to the American Academy of Arts and Sciences in 2005.

2005 HALL OF FAME HONOREES

Connie Chung '69
Prominent Broadcast Journalist

Larry David '69, '70
Seinfeld Creator

Raymond Davis '37, '40 M.S.
Nobel Laureate (Physics)

Carly Fiorina '80 M.B.A.
Trailblazing Executive

Jon Franklin '70
Pulitzer Prize-winning Journalist

Liz Lerman '70
American Choreographer

Manning Marable '76 Ph.D.
Authority on African American History

Russell Marker '23*
Pioneering Chemist

Tobin Marks '66
World-renowned Chemist

Thomas V. Miller '64
Long-standing President of the Maryland Senate

Renaldo Nehemiah '81
Track and Field World Record Holder

Tom Norris '67
Congressional Medal of Honor Recipient

Michael Olmert '62, '80 Ph.D.
Emmy Award-winning Writer

Robert H. Smith '50
Developer of Crystal City

Gary Williams '68
Championship-winning Coach

Morgan Wootten '56
Basketball Hall of Fame Member

*Inducted posthumously.



In overall rankings this year in *U.S. News & World Report*, the university was listed at 18th among public universities. The graduate school rankings in March 2005 moved us into new territories of excellence, recording high benchmarks. A comparison of this year's rankings with last year's and with those of 1998 underlines the point. (Comparison includes both undergraduate and graduate rankings.)

Rankings Comparison

| | 1998 | 2004 | 2005 |
|--------|------|------|------|
| Top 10 | 11 | 23 | 31 |
| Top 15 | 18 | 44 | 52 |
| Top 25 | 28 | 70 | 76 |

According to this year's *Black Issues in Higher Education* ranking of minority baccalaureates, for the first time, Maryland had every ethnic group ranked at least once among the top 25. Maryland was fourth among traditionally white institutions in producing African American baccalaureates (14th in the nation for all institutions) and had eight Top10 rankings:

- 1st for African Americans in the Social Sciences
- 4th for Asian Americans in Computer and Information Sciences and Support Service
- 6th for African Americans in Biological and Biomedical Sciences

- 7th for African Americans in Area, Ethnic, Culture and Gender Studies
- 7th for Minorities in the Social Sciences
- 10th for Asian Americans in Agriculture, Agriculture Operations and Related Sciences
- 10th for Minorities in Computer and Information Sciences and Support Service
- 10th for Asian Americans in Education

The university continues to place 1st among the public members of AAU, the nation's top major research universities, in our number of African American graduates, and their graduation rate is climbing steadily.

The Institute of Higher Education at the Shanghai Jiao Tong University ranks the world's best universities, giving the most weight to the quality of faculty and amount of research. According to this list, Maryland ranks 57th in the world, 41st in North America, 38th in the United States, and 19th among U.S. public universities. A sample of schools ranking behind Maryland: Carnegie Mellon, Rice, Ohio State, Purdue, Case Western Reserve, Brown and Dartmouth.



Speakers at the University

- U.S. Congressman Chris Van Hollen (D-Md.) spoke to the more than 2,600 mid-year graduates at the December 2004 main commencement ceremony. *Roll Call* said Van Hollen is one of the "rising stars" in Congress. President C.D. Mote Jr. called him "a true friend of the university" and applauded his "understanding of the importance of education." Van Hollen represents parts of Montgomery and Prince George's Counties.
- A common theme at graduation ceremonies from featured speaker Andrea Mitchell and others was the web of influence wielded by 9/11 over the Class of '05. "You were bound together forever by the horror of 9/11," she said. "On that day, we realized none of us is immune to forces of evil entirely outside of our control." Mitchell was critical of the media leading up to Sept. 11, 2001, and its coverage of sensationalistic but historically

- unimportant scandals. She encouraged graduates to become familiar with world events. "We ignore the world at our peril."
- This year, the Anwar Sadat Lecture for Peace featured the Hon. James A. Baker III, former U.S. Secretary of State, former U.S. Secretary of the Treasury, and former White House Chief of Staff.



The Riggs Alumni Center

The Samuel Riggs IV Alumni Center opened its doors in 2005. The first campus home for alumni, the center will be a pivotal gathering place for alumni, family and friends of the university. Designed by Hugh Newell Jacobsen '51, and built by private funds, the alumni center is expected to become a centerpiece of the University of Maryland.

Thanks to the generous support of the governor and the General Assembly, the university broke ground for The **Biosciences Building**. The building will enable the university to train the future generation of scientists who will provide the intellectual capital to grow biotechnology in the state and will attract world class faculty to the state, the very best graduate students, research grants and provide a fertile environment for emerging companies in the biosciences.



Jeong Kim Building

The Jeong H. Kim Engineering Building opened its doors in 2005. Named for our distinguished alumnus and member of the University of Maryland College Park Board of Trustees, the facility will make possible new research in communications, smart small systems, and microelectronics. A highlight of the building is a 10,000 sq. ft. clean room, supporting advance research in nanotechnology.

WE ARE ALL AWARE THAT EXCELLENCE DEMANDS RESOURCES, BUT PRESIDENT MOTE HAS TAKEN THE LEADERSHIP IN ENSURING THAT OUR BUDGETS ARE NOT BALANCED ON THE BACKS OF THE STUDENTS WHO CAN LEAST AFFORD A COLLEGE EDUCATION.

I. The board strongly recommends full support of the university's *Delivering the Promises Strategic Plan* beginning in FY07. It is imperative that the university receives the level of funding needed to make strong gains toward its state mandated goal of being a top public research university. Therefore, the board supports full funding of the governor's proposed FY'07 Higher Education Budget.

Members of the board are excited and gratified by the governor's proposed FY'07 Higher Education Budget. We believe it is imperative that the budget is fully funded by the General Assembly and we look forward to working with the governor and General Assembly to achieve this goal.

As members of the board, we applaud President Mote's leadership in developing the *Delivering the Promises Strategic Plan* and for his unwavering conviction to maintain both access and the quality of the state's flagship university. It remains critical to the momentum of this university and state that we support his vision for achieving a national reputation on par with our peer institutions. We are deeply appreciative of the governor's FY'07 budget and believe it is a necessary first step in providing the state's contribution to this vision.

II. The board strongly supports the second year of funding for the renovation of the Tawes Building in FY07. This project moved forward last year with the approval of the initial planning money. Phase II funding must not be delayed in order to keep this project on schedule.

The scope of this project includes the renewal of aged and dilapidated building systems (e.g., a new four pipe fan coil HVAC system will be provided); the performance of code compliance modifications (e.g., new fire sprinklers will be provided and the obsolete fire alarm system will be replaced); and performance of architectural modifications to accommodate the Department of English and instructional space (e.g., small individual music practice rooms will be demolished and replaced with faculty offices). Tawes Theater, Ulrich Recital Hall and the Flagship Channel will remain in the building and undergo systems upgrades and code compliance modifications. The DBM-approved Part II Program provides details.

It is essential that the university advance its core mission of providing high-quality education to undergraduate students and preparing those students to be productive citizens with skills appropriate to the workplace of the 21st century. The Tawes conversion for the Department of English supports this core mission. A timely move to a renovated Tawes is essential if the department is to continue on its path of excellence.



III. Given the dire condition of the current facility, the board strongly recommends that the governor and the General Assembly accelerate the funding dedicated to the Physical Science Complex to enable the university to begin the project immediately.

The University of Maryland's Department of Physics has a superior faculty and a very strong national reputation in research. Its graduate and undergraduate programs are of high caliber, and the department excels in research, teaching and education. The physics department is ranked 4th among public research universities and 13th among all research universities.

The university must move quickly with planning and construction of a modern physical science building to house the stellar faculty, classrooms and research activities. The present facility is antiquated and inadequate for modern research needs. The office space, classrooms, infrastructure, laboratory facilities and equipment are substandard, well below the quality expected from a top-ranked program. Without prompt action, Maryland will be unable to attract and retain quality faculty and students and will be unable to maintain its strong national rankings.

- Delivering the Promises
 - Funding Guidelines

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Summary

THE UNIVERSITY OF MARYLAND HAS CREATED A MOMENTUM THAT THE ENTIRE STATE NOW ENJOYS. NOT ONLY DO WE SERVE AS THE LARGEST PRODUCER OF HIGH QUALITY GRADUATES FOR THE STATE, BUT ALSO AS A MAJOR ENGINE FOR ECONOMIC DEVELOPMENT WITHIN THE STATE. WE STRONGLY ENCOURAGE THE MARYLAND GENERAL ASSEMBLY AND THE GOVERNOR TO CONTINUE TO SUPPORT THE UNIVERSITY AND PRESIDENT MOTE'S PLANS FOR STRATEGICALLY MOVING THE UNIVERSITY FORWARD. THE MEMBERS OF THE BOARD OF VISITORS, (THE EXECUTIVE COMMITTEE OF THE BOARD OF TRUSTEES) AND THE UNIVERSITY OF MARYLAND COLLEGE PARK BOARD OF TRUSTEES LOOK FORWARD TO WORKING TOGETHER WITH THE GOVERNOR AND THE GENERAL ASSEMBLY IN SUPPORT OF THE UNIVERSITY OF MARYLAND.



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