

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

APRIL 26, 1993
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Commencement Ceremony to Honor Classicist, Scientist and Architect

Classics educator Frank Snowden, research scientist Ruth Davis and renowned architect Hugh Jacobsen will receive honorary degrees during the May 20 campus-wide commencement ceremony at 9:30 a.m. in the Cole Student Activities Building.

Joining the honorary degree recipients will be Monica Willis, a senior, who will speak on behalf of some 4,800 graduates.

Individual college and school graduation ceremonies will be held at various locations across the campus throughout the day. A reception for new graduates, their families and friends will be held on the McKeldin Library Mall from 11 a.m. to 3 p.m. The rain location is the Grand Ballroom of the Stamp Student Union.

Snowden, who will deliver the main commencement address, is the author of several books on the role of blacks in antiquity, which maintain that racial prejudice was lacking in the ancient world.

His first book, *Blacks in Antiquity: Ethiopians in the Greco-Roman Experience* (1970), won the Charles J. Goodwin Award of Merit, the highest scholarly award of the American Philological Association. It was followed by *The Image of the Black in Western Art I: From the Pharaohs to the Fall of the Roman Empire* (1976) and *Before Color Prejudice: The Ancient View of Blacks* (1983).

Snowden has served as a professor at Howard University, and later as

chair of Howard's Humanities Program and dean of Howard's College of Liberal Arts, earning him the Distinguished Scholar and Outstanding Teaching Awards from Howard.

Ruth M. Davis, one of the nation's most respected scientists, is this year's recipient of the second College Park Alumni Association President's Distinguished Alumnus Award. A *summa cum laude* graduate of the University of Maryland with M.A. and Ph.D. degrees in mathematics, Davis was one of the first women to receive a Ph.D. in mathematics from College Park.

Davis, who serves on the board of directors of seven Fortune 500 companies, draws upon years of experience in government and private industry as the president and CEO of The Pymatuning Group Inc., which advises companies on high technology issues. She has held a number of science positions in the federal government, rising to deputy under-secretary of defense for research and advanced technology (1977-79), and assistant secretary of energy for resource applications (1979-81).

Davis is the chair of the Aerospace Corporation, and serves on the boards of various business and professional organizations including the Institute for Defense Analyses, Sof-Tech Inc., Sprint Corporation, Air Products & Chemicals and Varian Associates. She has been a member of the Board of Regents of the National Library of Medicine, serving as its chair in 1991-92.

Renowned Washington architect Hugh Jacobsen, who will be receiving an honorary degree of Doctor of Fine Arts, is a 1951 graduate of the University of Maryland at College Park who is widely recognized as one of the top architects in the United States.



Frank Snowden



Hugh Jacobsen



Ruth Davis

Since starting his own practice in 1958, the buildings he has designed have earned more than 90 awards for outstanding design.

Jacobsen, who earned his master's degree in architecture from Yale Uni-

continued on page 2

INSIDE

Getting Along

Public Affairs Hosts Race Relations Conference on April 30.....2

University Commuter Special

Campus Parking and Traffic Flow Will be Changing.....3-6

Brain Power

Three Undergraduates Win NSF Fellowships.....7

University To Coordinate NASA-Russian Design of New Space Station

The East-West Space Science Center at College Park has been selected to coordinate the collaboration between the Russian Space Agency and NASA Space Station Redesign Team.

Under the direction of Roald Z. Sagdeev, distinguished professor of physics and former director of the Space Research Institute in Moscow, the design effort will explore possible uses of existing manned space flight

technology in the former Soviet Union as an integral part of Space Station Freedom.

The East-West Space Science Center will host a team of leading Russian engineers who are coming to the United States to consult with the redesign team. This effort is expected to be of great value to the redesign team, and it marks a new level of post-Cold War cooperation in space science and technology.

Information Needed For Directory

In preparation for publishing a resource book detailing UMCP's school outreach projects, the School/University Cooperative Programs Office is updating their database. Information on school/university projects is being collected and compiled. Cooperative project directors not yet contacted may call Joan Rosenberg at 405-6828 to request an inventory form for inclusion in the soon-to-be-published directory *Beyond the Campus: Partnerships with the Schools*.

MFRI Hosts National Fire Service Staff and Command School

The Maryland Fire and Rescue Institute at College Park recently conducted its prominently recognized National Fire Service Staff and Command School on March 28, 1993, at the Sheraton Resort and Conference Center, Ocean City, Maryland.

The objective of this elite program was to assist emergency service leaders in modern concepts of emergency management by developing technical skills and professional knowledge through peer group activity.

This year's program, the largest in the history of the institute, graduated 80 participants, many of whom were chief officers of major fire service organizations nationwide.

Attendees included fire service executives from Washington state,

New Mexico, Utah, Texas, Florida, Connecticut, as well as Alberta and Quebec, Canada.

Steven T. Edwards, director of MFRI noted, "the ability to attract such a diverse group of fire service leaders from across the nation is a tribute to the quality and reputation of this course."

The National Fire Service Staff and Command School is one of the premiere professional development programs presented by the Maryland Fire and Rescue Institute. This year's topics focused on financial, personnel, and operations management processes as they relate to managing change within a dynamic fire service. Faculty for the program included Steve Martin, Winston-Salem, NC;

Jeffrey T. Mitchell, Catonsville, MD; John Granito, Binghamton, NY; and J. David Harris, Campbell, CA.

Highlights of this year's program included field trips to the AAI Corporation, Timonium, MD; a fire boat tour, compliments of the Baltimore City Fire Department; and dinner at the Inner Harbor.

—Robert J. Schappert III



A fire boat demonstration at Baltimore's Inner Harbor

Public Affairs to Host Roundtable Discussion on Race Relations

The School of Public Affairs will host a roundtable discussion, "Race Relations: Where Do We Go From Here?" on April 30 from 10 a.m. to 12:30 p.m. in the Tyser Auditorium.

Participants include Joseph Fernandez, chancellor of New York City Public Schools; Andrew Hacker, professor of political science at Queens College at New York; and Roger Wilkins, professor of history and American culture at George Mason University. Michael Nacht, dean of the School of Public Affairs, will moderate the discussion.

Questions to be addressed include: what are the central problems in race relations today? Are current remedies showing signs of effectiveness? Have issues of race relations become synonymous with problems in big cities?

For more information, call 405-6339 or 405-6342.

Construction Funding Update

With the 1993 legislative session completed, Brian Darmody, assistant to the president, reports that funding for three major construction projects at College Park is as follows:

Performing Arts Center

Planning and design funds of \$2.2 million have been approved for the education and performing arts center. With a total cost of \$82 million, this is likely to be one of the largest capital projects in the university's history. Construction is planned to begin in two years.

New Health and Human Performance Building

Through a split-funding formula, the state has allocated \$7.9 million

toward this \$35.6 million project that will house the College of Health and Human Performance. Student fees will pay for recreational facilities that include indoor and outdoor pools, gymnasias, racquetball courts and an indoor running track. Construction is planned for next spring.

Intercollegiate Athletic Facilities

The state has approved \$3 million towards this program to raise standards of intercollegiate athletic facilities so they are on a par with other Atlantic Coast Conference institutions. These funds must be matched by private funds. The project has already provided for renovation of Byrd Stadium and has led to renovation of facilities for women's athletics.

Commencement

continued from page 1

versity in 1955, is a six-time winner of the National Honor Awards of the American Institute of Architects, the highest award for architectural design given in the U.S. In addition, each year the professional journal, *Architectural Record*, selects 15 of the best houses in the country and presents awards to the architects. Jacobsen has won 20 times.

His many articles over the years have appeared in various magazines including *Architectural Digest*, *Architectural Record*, *The New Republic*, and *House and Garden*. He contributes periodically to *The Washington Post* on urban design.

In 1971 Jacobsen became a Fellow of the American Institute of Architects, and in 1992 he was elected an Academician of the National Academy of Design.

Monica Willis, 22, a graduating English major from Columbia, Maryland, will deliver the student commencement address. In addition to her 4.0 grade point average, Willis has been immersed in community activism.

At Maryland, she has been involved with the Navigators, an international Christian organization, and participated in ministry teaching, Bible classes and student counseling. Willis has also ventured off campus to Thailand, where she tutored students in English at Payap University; to Arizona, where she worked on a Navajo reservation; and to Philadelphia, New York, Boston and Washington D.C., where she helped renovate mission buildings.

Currently, she is particularly interested in women's health issues.

OUTLOOK

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

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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 it to Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is jfritz@umdacc.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Parking Fees Will Not Increase Next Year

Fees for on-campus parking permits will not increase next year despite future plans to build a new parking garage. Although parking fees generally rise as a result of anticipated construction costs (see related article, this page), next year's fees will remain the same because construction of a new garage has been postponed for at least a year.

Plans for a third parking garage did prompt a rise in parking permit fees last fall, however. Revenue raised by that increase is being chan-

neled to a plant fund account and will be used to help cover construction costs when the next garage is built.

Originally, construction crews were slated to break ground on the new garage in fall, 1994. The Department of Campus Parking intended the facility to replace parking spaces lost as new buildings are located on existing parking lots.

But the university has reduced its projection of the number of lost parking spaces due to recent changes in

campus development plans. The most significant such change involved relocation of the new performing arts center from a site on Lot 1 to a site between Lot 1 and University Boulevard, south of the Denton Residential Complex.

For the 1993-94 academic year, parking permit fees will remain at their current levels of \$109 for faculty and staff; \$95 for resident students; and \$51 for commuter students. Next year Campus Parking will, if needed, use spending cuts to cover increased operational costs or reductions in meter and parking fine income.

Barring a change in Campus Parking's self support funding status, parking permit fees will probably go up when the need for additional parking prompts construction of a new garage. Campus Parking has not determined the exact date such a garage will be built but announced it will be delayed as long as possible.

Campus Parking may try to cushion the blow of significant parking fee hikes, related to the garage, by spreading the increases over a number of years (for example, \$20 a year for three or four years). Others have suggested, on the other hand, a single increase of between \$80 and \$100 when garage construction begins. To express your preference between these two alternatives, call Campus Parking at 314-7179 or write to the Campus Affairs Committee of the Campus Senate at 1100 Marie Mount Hall.

University to Ease Evening Parking Restrictions

The university will ease parking for evening visitors and students when Campus Parking begins to phase in more liberal parking regulations this summer.

Under the revised regulations, parking permits will no longer be required after 4 p.m. weekdays in the university's unrestricted lots. Signs reflecting the change will be posted at the affected lots. Unrestricted lots include the large lots between Tawes Theatre and the University of Maryland University College Conference Center, student parking lots, and the faculty/staff areas within Parking Garage #2, among others.

Restrictions on parking after 4 p.m., however, will continue for the smaller internal lots near the center of campus to assure adequate evening parking for faculty and staff.

The new regulations were made

possible through an agreement with University College officials under which the college will pay a flat fee to the University of Maryland at College Park for their students' parking privileges rather than requiring University College students to purchase UMCP parking permits.

UMCP Director of Parking David Allen says that the new regulations are expected to be fully in place by the start of the fall semester, but will be phased in on a lot-by-lot basis as the revised signs are erected at each lot. A new campus parking map reflecting the change in regulations is now in production.

Allen also notes that, even under the more liberal regulations, vehicles without permits parked in restricted lots will continue to be ticketed and parking meters will remain in operation until 10 p.m.

Campus Parking Raises Funds to Support Itself

"Where does all the money go?" That question can be found on the lips of many campus motorists paying for parking permits, feeding meters or laying out cash for parking fines.

All the money for campus parking goes into providing parking for the campus. Since the Department of Campus Parking is a self support auxiliary program, it must therefore raise all the revenue needed to maintain its operation. Along with other such departments as Resident Life, Communication Services and the Stamp Student Union, Campus Parking receives no income from state budget appropriations or other campus funds.

So operating expenses must come from other sources—namely, campus motorists. Individuals parking on campus cover the operating costs of

Campus Parking in three ways (see graph): parking permit fees, parking meter income, and fines for illegal parking. Campus Parking then uses all that money to pay for lot maintenance, supplies, payroll and, perhaps most significantly, construction.

Thus, when the operating budget of Campus Parking increases, parking fees also rise. If, for example, the need for additional or replacement parking requires building another parking garage, fees may increase to pay the debt charges that go along with construction.

That scenario occurred last fall when Campus Parking increased permit fees in anticipation of building a third parking garage. Construction of that facility has been postponed, however, and permit fees will remain constant next year (see related article, this page).

Editor's Note

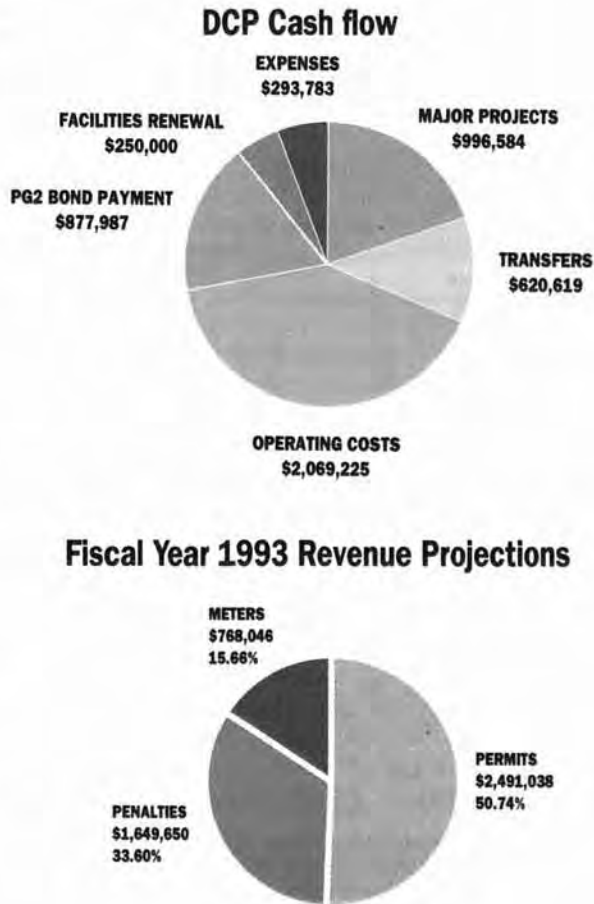
As campus motorists are well aware, lanes and spaces have shrunk due to construction on and off campus. The December 14, 1992 *OUTLOOK* reported on the Prince George's County project to relocate Calvert Road east of Route 1 to prepare for the new College Park Metro station scheduled to open in December 1993.

This special insert is designed to inform readers of the changes the university is making to many of its own traffic routes to prepare for the new metro station.

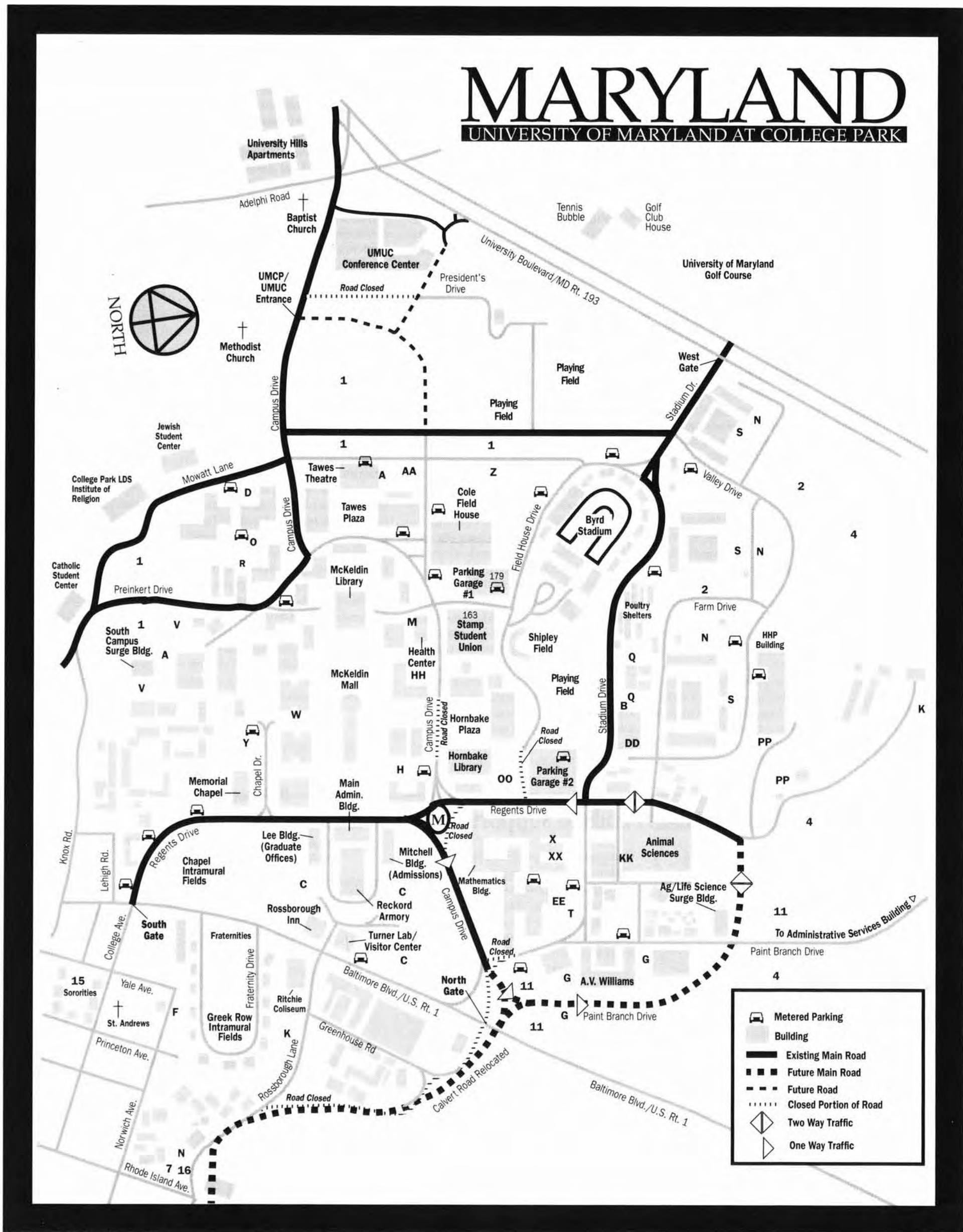
A detailed map showing the new campus traffic patterns, based on the Campus Facilities Master Plan, appears on the following pages.

Since commuting is more than driving, we've also included relevant information about campus parking news and policies. A comparison of peer and local institutions as well as a report on how Campus Parking gets and spends its money appears on page six.

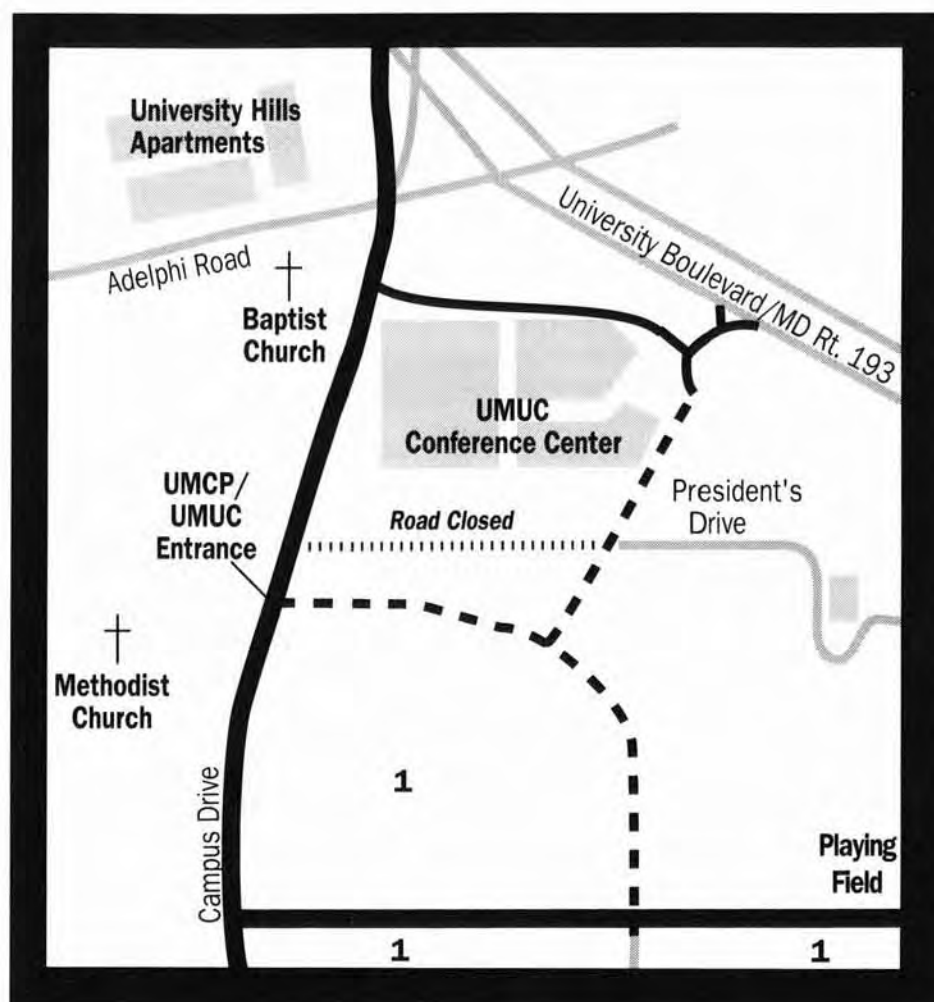
If you have questions or concerns you may want to attend the May 6 open forum on parking and the Campus Facilities Master Plan sponsored by the Campus Affairs Committee of the Campus Senate. See page six for details.



TRAFFIC



Produced by the Office of Institutional Advancement/University Publications 3/93.



New UMCP/UMUC Entrance Road

A new traffic signal and entrance will provide access to both the UMCP west campus/parking Lot 1 area and the expanded facilities at the UMUC Conference Center. The shared west entrance road is the first segment of what is planned to be a north/south connection in the west campus area of Lot 1. Funding has been requested in the UMCP capital budget to complete this much-needed primary road within the next few years.

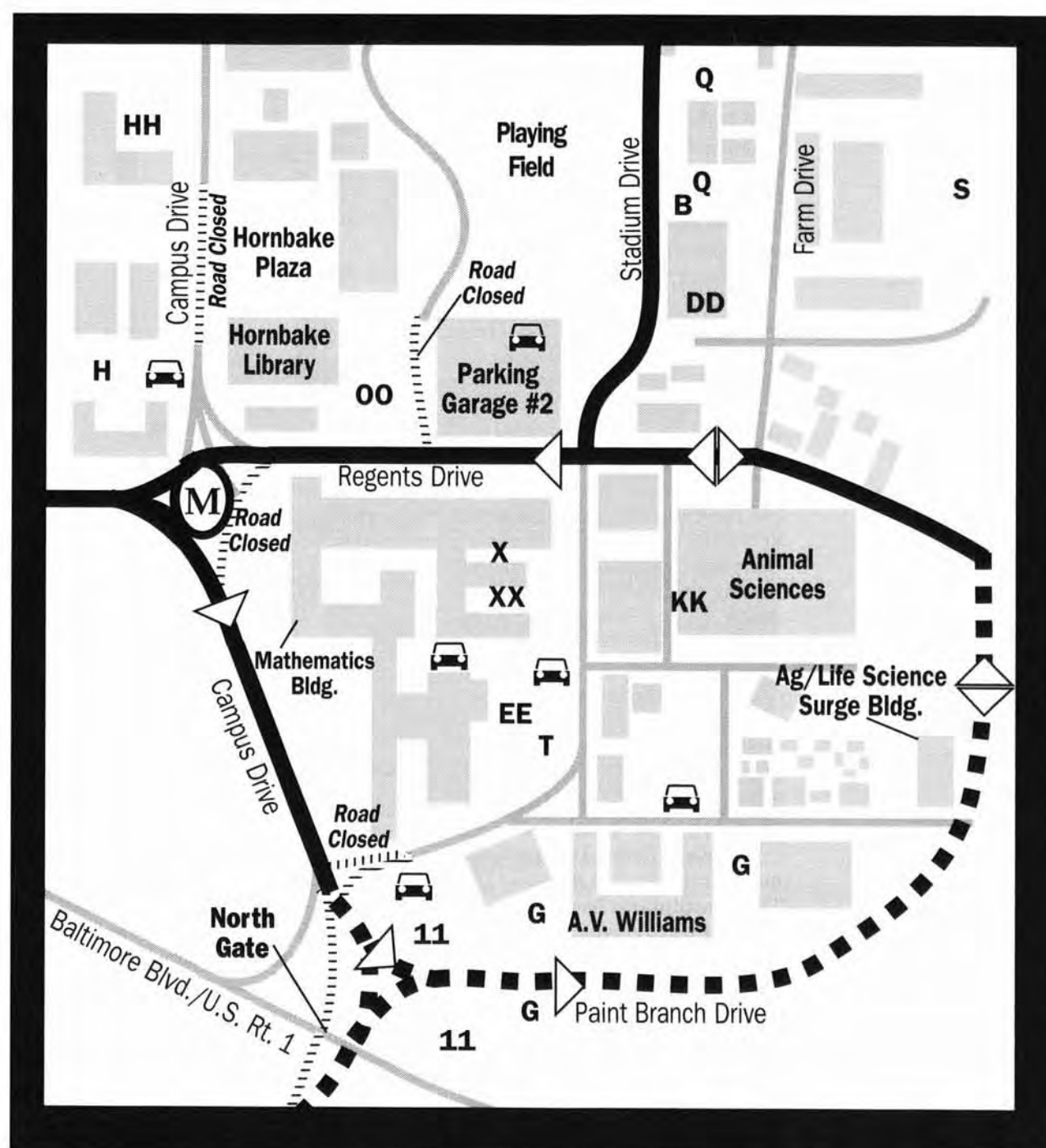
Construction of UMUC's new 800 space parking garage and the Student and Faculty Services Building provided the opportunity to construct a single shared entrance off of Campus Drive. While the road will be designed and constructed to provide primary service to the College Park campus, it will also be a major access to the University College facilities.

North Gate Entrance

The university's North Gate on Route 1 will be redeveloped next year to align with the Prince George's County relocation of Calvert Road. The project will involve the following steps:

- 1) Construction of a new entrance road. The old entrance will become a pedestrian and cyclist pathway.
- 2) Construction of a new segment of Paint Branch Drive east of the A.V. Williams Building;
- 3) Improving existing roads/conditions in the vicinity of the Agriculture/Life Science Surge Building to provide a connection between the new segment of Paint Branch Drive and Regents Drive.
- 4) Providing a one-way traffic pattern from the North Gate northbound to the new intersection on existing Paint Branch Drive.
- 5) Making Regents Drive one-way south from the intersection with Stadium Drive south to the traffic circle. The road between PG2 and Lot OO will be temporarily closed for construction of the new Plant Sciences Building on Lot OO.
- 6) Making Campus Drive one-way east, redesigning one of the three travel lanes for alternate use.
- 7) Closing Campus Drive between Lots HH and H.

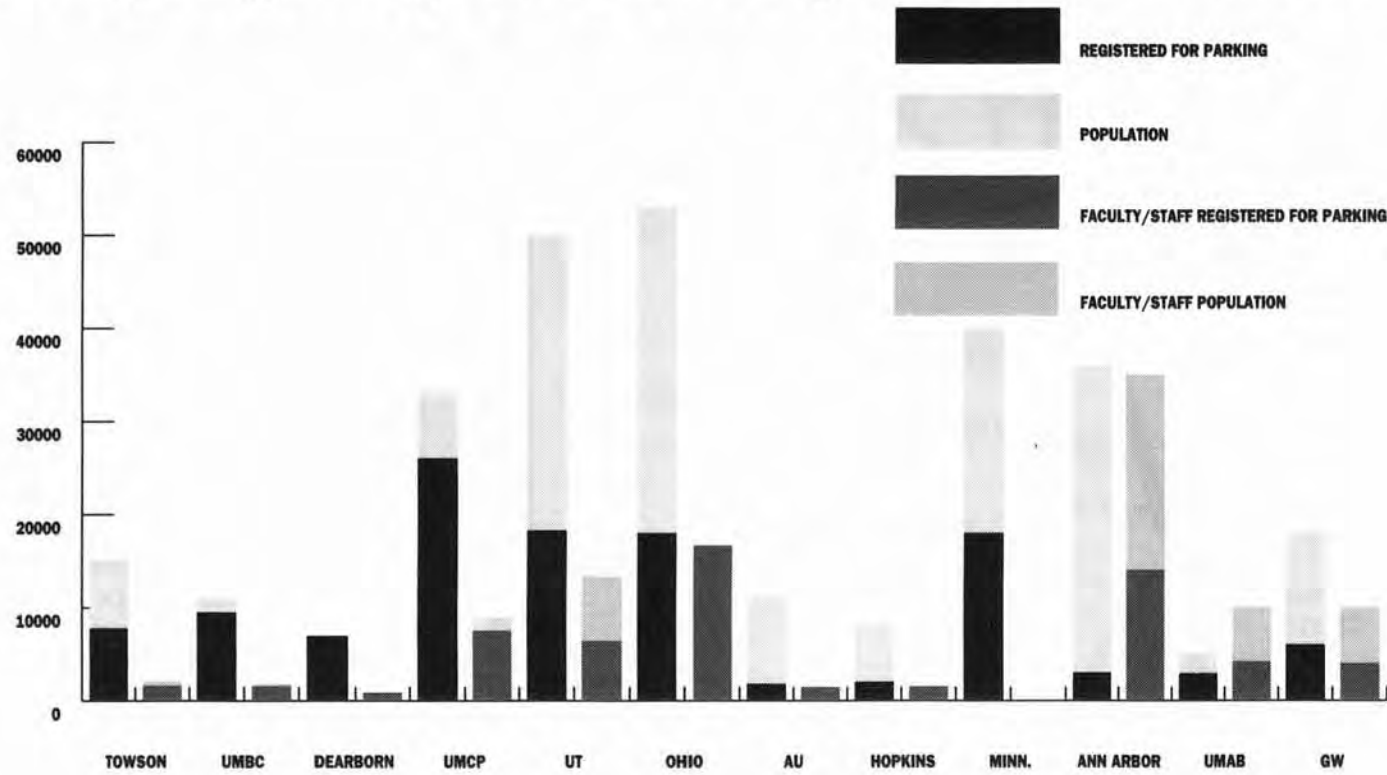
The design development process, anticipated to be completed by December 1993, is being managed by the Department of Engineering and Architectural Services. Work has been initiated and the campus community will be involved in the design review at various times throughout the process.



Open Forum on Campus Parking and Planning Set for May 6

An open forum to address campus parking and the new traffic patterns in the North Gate and University College areas is set for May 6 from 1 to 3 p.m. in the Maryland Room of Marie Mount Hall. The forum, which is sponsored by the Campus Affairs Committee of the Campus Senate, will include representatives from Administrative Affairs and the Department of Campus Parking to answer questions and provide background. To reserve time for your specific questions, call the Campus Senate Office at 405-5805.

Comparing College Park's Parking with Other Institutions



Recently, the Department of Campus Parking conducted a survey of 12 local and peer institutions' parking policies to see how College Park compares. Some of the results are as follows:

- College Park has the fourth lowest parking fees for faculty and staff at \$109 per year. Towson's \$37 per year is the lowest fee; George Washington's \$1,116 per year is the highest. Other institutions include the University of Michigan at Dearborn (\$72/year), University of Texas at Austin (\$120/year) and UAB (\$728/year).

Several institutions have a faculty fee higher than the staff fee. They include Ohio State at Columbus (\$168/\$84 per year), Johns Hopkins (\$264/\$132 per year) and the University of Michigan at Ann Arbor (\$286/\$63 per year).

- Student fees range from a low of \$13 per year (UT-Austin) to a high of \$134 per month (GW). College Park charges a yearly fee of \$51 for commuting students and \$95 for residents, which is less than six other institutions, all of whom charge on a semester or daily basis.

- Half of the institutions have three or fewer parking garages, with the University of Minnesota's 10 being the most. Ohio State (Columbus) and University of Michigan (Ann Arbor) have eight each.

- College Park's 1600 parking meters just top Ann Arbor's 1575. Three institutions have no meters, with the rest averaging about 200.

- Ten institutions (including College Park) have campus shuttles. All but one have municipal transportation.

- Seven institutions (including College Park) have carpool/ride sharing programs.

- With the exception of Towson, UMBC and American University, parking programs at all institutions

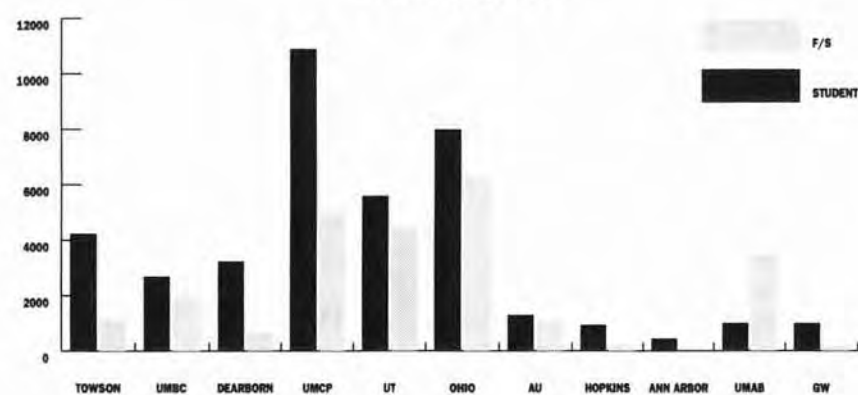
are self-supporting.

The twelve universities, all of which are located in urban areas, are Towson, UMBC, Michigan (Dearborn), UMCP, Texas (Austin), Ohio State (Columbus), American, Johns

Hopkins, Minnesota, Michigan (Ann Arbor), UAB and George Washington.

For more information, contact the Department of Campus Parking at 314-7179.

Parking Spaces



Director of Campus Parking Leaves for Position with Lockheed IMS

David Allen, director of Campus Parking, recently announced he is leaving College Park to become assistant vice president for Lockheed IMS, National Consulting.

Janice Summons, associate director of Campus Parking, will be acting director. A search committee will be formed this spring or summer, according to Dick Stimpson, assistant vice president for Student Affairs.

Allen, who will be located in Washington D.C., says Lockheed Information Management Systems (IMS) was created ten years ago when the aerospace engineering company decided to diversify its operations due to a slow down in the defense industry.

"Specifically, the subsidiary provides computer processing of parking

tickets for many cities including New York, Boston, Los Angeles, Paris, and Budapest," says Allen, who will consult with many cities nation wide.

In seven years as assistant director and two years as director, Allen has been closely involved with many developments in campus parking, including construction of the new Parking Garage 2, conversion from affixed to hanging permits, and development of the Parking Information Team, which has the sole purpose of being in key locations at busy times when parking information is needed.

Allen has been a key member of the President's Ad Hoc committee on campus parking and has been very supportive of the Office of Commuter Affairs.

Acupuncturist to Discuss Drug Abuse Treatment

The "Use of Acupuncture and Computers for Improving Drug Abuse Treatment" will be the topic of an April 27 lecture by Michael Smith, director of substance abuse at Lincoln Hospital in the Bronx, New York. Dr. Smith, a psychiatrist, acupuncturist addiction specialist and public health planner, developed the use of acupuncture in the field of chemical dependency. The lecture is sponsored by the university's Center for Substance Abuse Research (CESAR) and will be held in the Atrium of the Stamp Student Union from 3-4:30 p.m.

Three Computer Science Undergraduates Awarded NSF Fellowships

Three College Park undergraduates, David Baggett, Howard Gobioff, and Sergey Brin, were named winners in the National Science Foundation's 1993 "NSF Graduate Research Fellowship" competition.

Only three institutions had more than one fellowship winner: MIT had seven, Maryland and Harvard each had three.

The NSF Graduate Research Fellowship is very competitive and is only offered to individuals who have demonstrated ability and special aptitude for advanced education in science, mathematics or engineering.

Only a small percentage of the applicants receive the fellowships which are awarded for study and research leading to master's or doctoral degrees in mathematical, physical, biological, engineering, behavioral, and social sciences.

The award lasts three years and includes a \$14,000 a year stipend as well as a tuition waiver at United States institutions. The applications were judged by a select group of scientists, mathematicians, and engineers chosen from the National

Research Council.

David Baggett, who received the B.S. in May, 1992, will be turning down the NSF Fellowship, as he has decided to accept a Hertz award instead. The Hertz award lasts up to five years and is offered to students who are attending one of 27 approved schools and who are studying applied physical science. Baggett is currently at MIT, where he is doing research in natural language. Ultimately, he plans to study reasoning in animals so that his findings can be applied in artificial intelligence.

Howard Gobioff, who will gradu-

ate in May, is interested in studying operating systems and distributed systems. He will be attending Carnegie Mellon University in the fall.

Sergey Brin will also graduate in May. Not yet 20, he was born in Russia and became a U.S. citizen in 1985. He first came to the Computer Science Department as a high school student participating in a special summer program sponsored by the Institute for Advanced Computer Studies (UMIAC). He has not decided where he will go to graduate school, but he has been accepted at Stanford.

—Nancy Lindley

Scientists Embrace the Human Spirit in Space Exploration

World-known scientists and representatives of space-faring nations gathered in Dijon, France, to sign the Declaration of Dijon, which calls for the cooperation of all nations in the progress of humankind in space.

The Declaration culminated the International Conference on Space Exploration and the Future of Humans in Space, which was held March 29-30 in Dijon. Professor Cyril Ponnampertuma, director of the Laboratory of Chemistry Evolution at College Park, organized this international conference which was hosted by the Conseil General de la Cote d'Or.

The Declaration of Dijon pursues the understanding of human space exploration that would lead to the expansion of humanity into space while securing the benefits of that development here on Earth. Ponnampertuma, H. Berger, President of the Conseil de la Cote d'Or, France, and Dr. Valeri Alaverdov signed this international document which will be endorsed by heads of state from all nations.

A workshop on the construction of the first lunar based laboratory, named LAL-II, followed the international conference. Representatives from NASA, CNES, and other international space agencies and academia discussed details of physical and



"Blueboy", pictured above, is a mixed media artwork by Daniel Sullivan that is on display along with other Masters of Fine Arts candidate works in the MFA Thesis Exhibition at the Art Gallery, in the Art/Sociology Building, from May 3rd through May 20th.

biomedical requirements for the laboratory, stress adaptation to living in space, technology for lunar operations, materials and engineering, among other subjects.

The first colloquium on the lunar-based laboratory, called LBCAL-1,

was sponsored by NASA and hosted by the Chemistry Evolution Laboratory at the University of Maryland in October 1989.

—Ivonne Cunarro

CALENDAR

Deadline For Travel Grant Applications is May 15

The next deadline for travel grants from the university's International Travel Fund is May 15, 1993. Funds are available for faculty members planning to conduct research abroad and cover travel costs only. Grants are for research projects and not for short-term lecturing or travel to international conferences or symposia. Applicants must have an invitation from a host scholar or institution and the period of research abroad must be at least three weeks. For more information or to obtain application forms, please contact Valerie Williams in the Office of International Affairs, (301) 405-4772.

April 26-May 5

26 MONDAY

Art Exhibit: "Spring Visions," featuring works by lithographer Tadeusz Lapinski, UMUC Center of Adult Education, 8 a.m.-8 p.m. daily, through July 18. Call 5-7154 for info.

Art Exhibit, African Heritage costumes, instruments and related art work, through April 30, Parents' Association Art Gallery, Stamp Student Union. Call 4-9816 for info.

Architecture Exhibit: "Soundings: The Work of John Hejduk," designs by the dean of Cooper Union Architecture School, Architecture Gallery, through April 30. Call 5-6284 for info.

Returning Students' Workshop: "End of Semester Survival Skills: Putting it all Together," 2-3 p.m., 2201 Shoemaker. Call 4-7693 for info.

Math Student-Faculty Colloquium: "Nuclear Winter: Is the Theory Still Valid?" Alan Robock, 3 p.m., 3206 Math. Call 5-5021 for info.

Entomology Colloquium: "Leafhopper Mating Behavior: Role of Vibrational Song in Mate Recognition, Finding and Selection," Randy Hunt, University of Kentucky, 4 p.m., 0200 Symons. Call 5-3911 for info.

Contemporary Spanish Cinema: *Que He Hecho Para Mercaderes Esto?*, (Pedro Almodóvar, 1984), 4 p.m., Language House. In Spanish with English subtitles. Sponsored by Maryland Humanities Council. Call 5-6441 for info.

Horticulture Colloquium: "Resistance to Crown Gall in Vitis," Eddie Stover, 4 p.m., 0128 Holzapfel. Call 5-4374 for info.

Computer Science Colloquium: "Host Mobility and Its Implications on Routing," Yakov Rekhter, IBM, 4 p.m., 0111 CLB Building 106. Call 5-2661 for info.

Space Science Seminar: "Low Frequency Electric and Magnetic Field Fluctuations at High Latitudes in the Dayside Ionosphere," E.M. Basinka, Boston U., 4:30 p.m., 1113 Computer/Space Sciences. Call 5-6232 for info.

Dingman Center for Entrepreneurship Short Course: "Starting and Managing a Growth Company," 6-9 p.m., today, May 3, 10, and 17. \$60 for faculty, staff, and students. Call (410) 455-2336 for info and registration.*

27 TUESDAY

University Theatre: *Not By Bed Alone*, school matinee 9:45 a.m., Tawes Theatre, \$10 standard admission, \$7 students and seniors. Call 5-2201 for tickets and info.*

Ecology and Evolutionary Biology Seminar: "Phylogenetics and Character Evolution," Mike Donoghue, U. Arizona, noon, 1208 Zoo/Psych. Call 5-6949 for info.

CIDCM Brown Bag Seminar: "War in the Former Yugoslavia: A Diplomat's View," Monicio Koprivica, CIDCM fellow, 12:30-1:30 p.m., 2136 Mill. Call 4-7703 for info.

Center for Substance Abuse Research Lecture: "Use of Acupuncture and Computers for Improving Drug Abuse Treatment," Michael Smith, Lincoln Hospital, New York, 3-4:30 p.m., Stamp Student Union Atrium. Call 403-8329 for info.

English Lecture: "Corpses of Poesy: Some Modern Poets and Some Gender Ideologies of Lyric," Rachel Blau DuPlessis, Temple U., 3:30 p.m., 1120 South Campus Surge. Reception follows. Call 5-3822 for info.

Committee on History and Philosophy of Science Lecture: "Finding Causal Structures Hidden in Statistical Data: TETRAD II," Richard Scheines, Carnegie-Mellon U., 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Dingman Center for Entrepreneurship Seminar: "Dingman Center Venture Forum," 6-9 p.m., BWI Sheraton. Fee is \$20 for faculty, staff and students, \$35 for business school alumni, \$40 for others. Call 5-2151 for info.*

28 WEDNESDAY

Molecular and Cell Biology Seminar: "Long Term Studies of Diabetes and Aging in Primates," Barbara Hansen, UMBC, 12:05 p.m., 1208 Zoo/Psych. Call 5-6991 for info.

Overeaters Anonymous Meeting, 1-2 p.m., 3100E Health Center, weekly meeting open to campus community. Call 4-8142 for info.

Astronomy Colloquium: "Adaptive Grid Radiation Hydrodynamics in Astrophysics," Dimitri Mihalas, U. Illinois, 4 p.m., 1113 Computer/Space Sciences. Call 5-3001 for info.

Information Policy in the Electronic Age Seminar: "Copyright Protection and Fair Use in Network Information Systems," Stephan Wolff, National Science Foundation, 4 p.m., 2460 A.V. Williams. Call 5-2033 for info.

Committee on History and Philosophy of Science Lecture: "Computationally Intensive Statistics Methods I and II," Edward J. Wegman, George Mason U., today and tomorrow, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Jazz Piano/Vocal Workshop Performance, 7:30 p.m., Tawes Recital Hall. Call 5-2201 for info.

Architecture Lecture: "In the Woods of Academia," David T. Mayerick, New York Academy of Art, 8 p.m., Architecture auditorium. Call 5-6284 for info.

29 THURSDAY

Special Education Colloquium: "Models and Mechanisms of Dyslexia," Sally Shaywitz, Yale, 9:30-11 a.m., 3237 Benjamin. Call 5-6482 for info.

Returning Students' Workshop: "Multiple Roles," weekly discussion and support group to help women manage a variety of roles, 11 a.m.-noon, 2201 Shoemaker. Call 4-7693 for info.

CIDCM Film and Lecture: *Arab and Jew: Wounded Spirits in the Promised Land*, 3:15 p.m., 2203 Art/Soc. Lecture by

Pulitzer Prize winner David Shieler at 5:30 p.m. Call 4-7703 for info.

Meteorology Seminar: "Seasonal Cycle of the Global Tropics," Ben Giese, 3:30 p.m., 2114 Computer and Space Science. Call 5-5392 for info.

Committee on East Asian Studies Lecture: "The Family in Law: Nineteenth Century Japan," Atsuko Hirai, Bates College, 3:30-5 p.m., 1117 F.S. Key. Call 5-4243 for info.

1993 Shorb Lecture: "The Biology of how Somatotropin Blocks Adipose Tissue Growth," Terry D. Etherton, Penn. State, 4 p.m., 0408 Animal Sciences. Call 5-4521 for info.

Latin American Studies Center Lecture: "Andean Understanding and State-Making: A Social History of 'Indianness,' Santiago, and Hispanified Gods," Irene Silverblatt, Duke, 5 p.m., multipurpose room, Language House. Call 5-6441 for info.

Reliability Seminar: "Individual Nuclear Plant Examinations—Probabilistic Reasoning on a Grand Scale," John Flack, Nuclear Regulatory Comm., 5:15-6:15 p.m., 2110 Chemical and Nuclear Engineering. Call 5-3887 for info.

University Theatre: *Not By Bed Alone*, 8 p.m. Also on Apr. 30-May 1 at 8 p.m., May 1 with sign interpretation. \$10 standard admission, \$7 students and seniors. Call 5-2201 for tickets and info.*

30 FRIDAY

Geology Seminar: "Chemical and Structural Variations in Apatite Minerals: Relevance in Geological, Health and Material Sciences," Maryellen Cameron, National Science Foundation, 11 a.m., 0103 Hornbake. Call 5-4089 for info.

First National Bank of Maryland Research Colloquium in Finance: "A Theory of Bankruptcy Procedures," Milton Harris, U. Chicago, 1-2:30 p.m., 1203 MPA Bldg. Call 5-2256 for info.

UM Baseball vs. UM Eastern Shore, 3 p.m., Shipley Field. Call 4-7122 for info.

Dance Department, Semi-Formal Showing, 7 p.m., Dorothy Madden Studio/Theater. Call 5-3180 for info.

Concert Society at Maryland, Wind Soloists of the Chamber Orchestra of Europe, 8 p.m., UMUC Conference Center Auditorium. Admission is \$17 standard, \$15.30 faculty and staff, \$14.50 seniors and \$7 students. Call 403-4240 for info.*

Maryland Bands Annual Pops Concert: "Musical Space Odyssey," Symphonic Wind Ensemble and Concert Bands, conducted by John Wakefield and Robert Foster, with the U.S. Army Band Herald Trumpets, 8:30 p.m., Grand Ballroom, Stamp Student Union. Tickets are \$10 general admission, \$8 students and seniors. Call 5-5542 for info.*

1 SATURDAY

UM Baseball vs. Florida State, 2 p.m., Shipley Field. Call 4-7122



The Wind Soloists of the Chamber Orchestra of Europe perform on April 30

Committee on History and Philosophy of Science Lecture: "Graduate Student Juried Symposium: Perspectives on Scientific Data," 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

Artist Scholarship Benefit Series, Guarnieri String Quartet featuring pianist Bradford Gowen performs Haydn, Beethoven, Brahms, 8 p.m., Tawes Recital Hall. Tickets are \$15 general admission, \$9 students and seniors. Call 5-5548 for info.*

2 SUNDAY

Music Concert: "Words and Music by Toby Tate," 3 p.m., Tawes Recital Hall. Call 5-5548 for info.

3 MONDAY

Masters of Fine Arts Thesis Exhibition, works by Fall 1992 MFA graduates and Spring 1993 MFA candidates, opening 5-7 p.m., the Art Gallery. Exhibition runs through May 20. Call 5-2763 for info.

Hispanic Faculty, Staff and Graduate Student Association Colloquium: "The North American Free Trade Agreement: Problems and Prospects," Sergio Negrete-Cardenas, noon-1 p.m., 0100 Marie Mount. Call 5-1253 for info.

Returning Students' Workshop: "Managing Exam Anxiety," 2-3 p.m., 2201 Shoemaker. Call 4-7693 for info.

Graduate Student Government Meeting, 3-5 p.m., 1143 Stamp Student Union. Call 4-8630 for info.

Horticulture Colloquium: "Biochemical Role of Sucrose-Phosphate Synthetase (SPS) in the Sweetening of Potato Tubers in Low Temperature Storage," Dona Illeperuma, 4 p.m., 0128 Holzapfel. Call 5-4374 for info.

Computer Science Colloquium: "Some Contrasts in the Current Machine Translation Scene," Yorick Wilks, New

Mexico State, 4 p.m., 0111 CLB Building 106. Call 5-2661 for info.

Entomology Colloquium: "Ecology of Bolas Spiders: Aggressive Chemical Mimicry of Insect Pheromones," Ken Yeaman, University of Kentucky, 4 p.m., 0200 Symons. Call 5-3911 for info.

American Heart Association CPR Course, for adult, child, and infant skills, May 3 and 4, 6-9:30 p.m. Registration required, \$20 fee. Also offered May 5 and 6. Call 4-8132 for info.*

4 TUESDAY

Ecology and Evolutionary Biology Seminar: "Vocalizations of a Captive Juvenile and Free-Ranging Adult Calf Pairs of Bryde's Whales, *Balaenoptera edeni*," Peggy Walton, noon, 1208 Zoo/Psych. Call 5-6949 for info.

Writers Here and Now, student readings by winners of the Katherine Anne Porter Fiction Prize and the Academy of Poets Prize, 3:30 p.m., 1120 South Campus Surge. Call 5-3820 for info.

Committee on History and Philosophy of Science Roundtable Discussion: "Assessing the Scientific Data Revolution," Michael Fisher, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

5 WEDNESDAY

UM Baseball vs. UMBC, 3 p.m., Shipley Field. Call 4-7122 for info.

Astronomy Colloquium: "Comets: One Unlike the Other—A Comparison of Coma Morphologies," Rita Schultz, UMD/ESA, 4 p.m., 1113 Computer/Space Sciences. Call 5-3001 for info.

Latin American Studies Center Lecture: "Frontier Economies and State Building: Argentina, Araucania and Chile," Kristina L. Jones, 5 p.m., multipurpose room, Language House. Call 5-6441 for info.

Calendar Guidelines

The *OUTLOOK* Calendar publishes university-sponsored events, subject to space availability. Preference is given to free, on-campus events. The deadline is two weeks before the Monday of the week in which the event occurs. Mail listings with date, time, title of event, speaker, sponsoring organization, location, fee (if any), and number to call for information to: Calendar Editor, 2101 Turner Lab, or fax to 314-9344. 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 405-7339.

