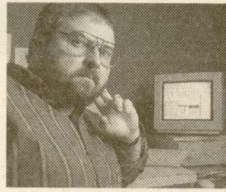


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WILLIAM & MARY NEWS

Volume XXV, Number 6

A Newspaper for Faculty, Students and Staff

Wednesday, November 1, 1995

Tercentenary Hall Takes Its Place On Old Campus

Combines tradition with the latest in technology

Tercentenary Hall took its place in William and Mary history Oct. 27 when it was dedicated in an outdoor ceremony.

Named for the College's 300th birthday celebration in 1993, Ter-

centenary Hall, located between Washington Hall and Crim Dell, is now the most technologically sophisticated building on campus. The \$9.5-million physical sciences building, which houses the departments of applied science, com-

puter science and geology, boasts more than 13 miles of data and voice cable, computers with three-dimensional displays, sophisticated microscopes for examining geological specimens, and state-of-the-art projection equipment.

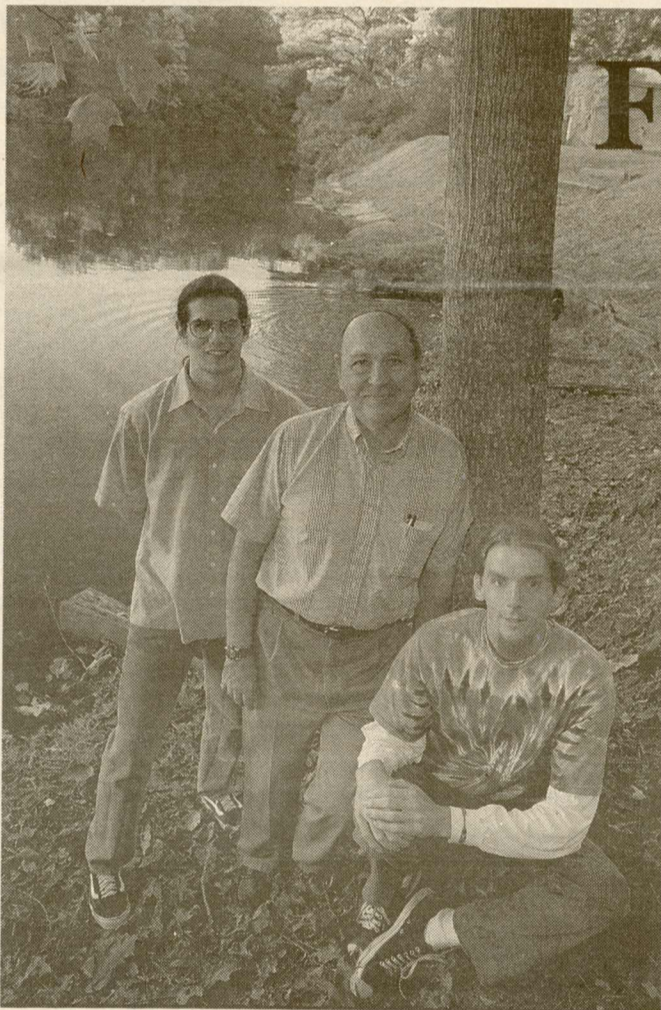
"Tercentenary Hall is the visible symbol of the College's future—a gateway between the past that we celebrate and the future through which our next generation of leaders will guide us," said William and Mary President Timo-

thy J. Sullivan. "Its physical appearance blends the glory of the past four centuries with the magnificent possibilities of those to come."

CONTINUED ON PAGE 10.

A Promising Future

Collegewide effort under way to preserve Lake Matoaka and College Woods



Stewards of the lake and woods:

From left to right, Joe Leyda, Martin Mathes and John Hoover

A series of sewage spills resulted in Lake Matoaka's closure for almost two years. Last year, the College Woods suddenly appeared on a state list of surplus property.

To Martin Mathes, conservator of the College Woods, both crises focused the College's attention on the need for greater vigilance over this resource.

"Both of these negative events ironically helped heighten our awareness of the value of the woods and lake," said Mathes, professor of biology. "The sewage spill made us look at what was happening to the lake in terms of its health,

while the state's apparent interest in the woods focused our attention on the educational importance of the area."

Mathes, who also serves as chair of the Landscape, Energy and Environment (L.E.E.) and the Lake Matoaka Remediation Advisory (L.R.A.) committees, is spearheading the first comprehensive and Collegewide effort to preserve and protect the woods and lake.

Over the summer, Mathes' assistant Joe Leyda, a graduate biology student, and senior John Hoover began a systematic survey of the College Woods, specifically its more than 10 miles of trails.

Years of neglect and heavy use, they found, have left many of the dirt paths in serious disrepair. During rain, water often flows directly down the paths into the lake.

Heavy use by mountain bikers and motorcyclers has been particularly destructive and has aggravated the runoff problem. Ditches 3 feet deep have developed in some areas largely as a result of these activities.

Based in part on Leyda's and Hoover's findings, L.E.E. only recently put restrictions on how the trails may be used. Mountain bike use has been limited on most paths. Signs indicating these new restrictions will probably be posted on all trails by the end of the semester.

Beginning next semester, recreational sports will also conduct regular patrols of the trails to enforce the new regulations with the help of campus police. The recreational sports department will also likely assume regular maintenance of the trails, a measure that will enhance considerably the safety of the woods, according to Denny Byrne, director of recreational sports.

Curtailing erosion from the trails is another priority. Sediment flow into Matoaka occurs at a rate 10 times higher than normal for a natural lake of its size. Levels of urban pollutants in the lake, particularly phosphates, skyrocket 10 to 100 times their normal levels after a heavy rainfall. This leads to the accelerated growth of underwater plants that reduce the oxygen levels in the water and choke off other aquatic life.

Urban development is the primary contributor of runoff and

pollutants into the lake. But erosion from trails in the College Woods is also apparently significant.

Hoover and other student volunteers have begun constructing a series of trenches along the paths to divert runoff into the leaves instead of the lake. The Student Environmental Action Coalition is helping with this initiative, recommended by the State Soil Conservation Agency.

Mathes believes that controlling runoff from the trails will also reduce sediment inflow that poses a long-term threat to the lake's vi-

ability.

Mathes, Professor of Geology Gerald Johnson and members of the remediation committee are holding a series of meetings with representatives from the U.S. Army Corps of Engineers to determine options for removing sediment, particularly phosphates, from the lake.

"We hope to restore the lake to a level more closely aligned with a natural rate of sedimentation," said Mathes. "At this point, we consider dredging the most probable

CONTINUED ON PAGE 4.

Langholtz Briefs Ambassador On Peacekeeper Project

A year ago, the United Nations had no central source to provide uniform training for its 70,000 peacekeepers around the world. Recognizing this deficiency, the U.N. contacted Harvey Langholtz, assistant professor of psychology, about developing a new program through

which its peacekeepers could obtain standard common training in accepted U.N. procedures.

With a \$35,000 grant from the United States Institute of Peace, Langholtz has helped to develop a series of self-paced training courses

CONTINUED ON PAGE 11.

Harvey Langholtz recently briefed Madeleine Albright, U.S. ambassador to the United Nations, on the status of the training initiative for U.N. peacekeepers.



newsmakers

Sullivan Urges Support For Technology

VBHEC's campaign for higher education gains political support

Holding a fiber optic cable in one hand and a brick from the 300-year-old Wren Building in the other, President Timothy J. Sullivan made the case recently in Richmond for increased funding for technology to a House of Delegates appropriations subcommittee that oversees higher education.

Testifying on behalf all state institutions of higher education, Sullivan said the schools need \$110-million for new technology in the 1996-98 biennium—part of a \$440-million increase in higher education funding sought by the Virginia Business Higher Education Council (VBHEC).

"The fact is," Sullivan said, "we are not keeping pace with our competitors." He noted that the State Council of Higher Education has recommended the \$110-million investment to begin to address technology needs at state colleges and universities.

"And this price tag, while extremely high, is not a final bill but an installment in the investment that will ultimately be required," added Sullivan.

The money, he said, is needed for three purposes: to improve the infrastructure of technology; to retrofit and renovate older facilities so that they can accommodate new technologies, and to train faculty and staff in those technologies.

In its state-wide program to generate increased funding for higher education VBHEC, released the results of a survey of candidate support for higher education.

Chairman of the group, Northern Virginia businessman John "Til" Hazel, announced that ap-

proximately two-thirds of the 248 candidates running for the General Assembly in the Nov. 7 election have pledged to push for more money for higher education. The support is bipartisan with 98 Democrats, 57 Republicans and 10 Independents signing the pledge.

Hazel said the results send a clear message: "That enhancing the quality and value of Virginia's

higher education system is a top priority of candidates. We need to elect legislators who understand the linkage between higher education and individual earning

power; between higher education and job creation; and between higher education and a vital economy."

The pledge the candidates

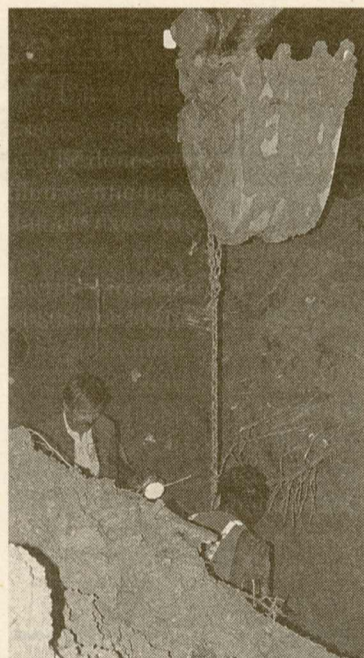
have signed not only calls for increased general fund appropriations but for more efficient management of universities through the implementation of restructuring programs; improvements in teaching; technology and facilities; caps on tuition and fees at the rate of inflation; increased student financial aid; and stronger relationships with the business community to improve the work force and encourage economic development.

In addition to the pledges signed by the candidates, the council is promoting a statewide advertising program that calls attention to "the disturbing trends in state [higher education] funding" and urges support for candidates who have signed onto the VBHEC agenda. Hazel pointed out that Virginia has dropped from 28th

nationally in 1989 to 42nd today in state support for higher education. In-state students pay, on average, the second highest tuition in the country, Hazel said.

"Our state support of \$4,056 per student is well below the national average of \$4,836 and even below the Southern States' average of \$4,668. The council's immediate funding goal is to see Virginia support our in-state students at the Southern States' average," which would require at least \$200 million in increased aid in 1996, said Hazel.

**"The fact is we are not keeping pace with our competitors."
—President Sullivan**



City workers worked to repair the water main most of Monday night.

VA Power Splits Water Main

While laying new electrical cable Monday afternoon, Virginia Power workers accidentally severed a primary water main underneath the Jones parking lot in front of the School of Education.

Utility workers with the City of Williamsburg spent more than eight hours repairing the line which runs from James City County through the city.

Water service to the College was not interrupted. A layer of mud, however, caked part of the parking lot most of Tuesday.

Open Enrollment Extended For Optional Life Insurance

As a result of numerous requests, the Virginia Retirement System has agreed to extend the open enrollment period for the optional life insurance program until midnight on Nov. 30. The effective date of insurance for

those enrolling in November will be Jan. 1, 1996.

The optional life insurance program is an excellent opportunity for employees who need additional financial security to obtain life insurance on themselves, their

spouses and children at low group premiums through payroll deduction.

Although the optional life insurance program will be available after open enrollment, the guaranteed issue provisions currently

available will cease.

Enrollment can be done easily by calling the toll free number 1-800-711-1171, 24-hours-a-day, seven-days-a-week.

Employees with questions should also call 1-800-711-1171.

Student Dies In Drowning Accident

Junior Michael Charles Coon of Syracuse, N.Y., died Saturday, Oct. 21, at Cape Hatteras, N.C., where he drowned in the undercurrent of the surf.

Michael, known to his friends as Coon, was a government major with a strong interest in international relations. He was the recipient of a 1995 Wilson Cross-Disciplinary Scholarship and was planning to study in St. Petersburg, Russia, in the spring semester.

Michael was involved in a number of campus activities. He served

as a lector and eucharistic minister at St. Bede's, was active in InterVarsity Christian Fellowship and held several positions in the International Relations Club, which had recently chosen him as the Secretary General of the High School Model United Nations conference.

A *Flat Hat* writer, Michael also served on the editorial board of *The Monitor*, was a member of the Russian Club and a tutor with the College Partnership for Kids.

A campus memorial service

was held last Wednesday at St. Bede's Parish Center. Funeral services were held last Saturday in Camillus, N.Y.

Michael's family has asked that in lieu of flowers, contributions be made to a scholarship fund that has been set up in his memory. Donations should be addressed to: The Michael Charles Coon Scholarship Fund, c/o Chase Manhattan Bank, 3508 W. Genesee Street, Syracuse, NY 13219.

Ocean Science Deans Meet At College

The academic leaders of the ocean science educational community conclude their biennial meeting, the Ocean Science Education Retreat Workshop, today at the College.

Thirty-eight academic deans and program directors representing 31 institutions of higher education and other organizations in the ocean science community gathered for the three-day meeting to focus on educational issues in graduate marine science programs across the country. The theme for this year's workshop was "Advising

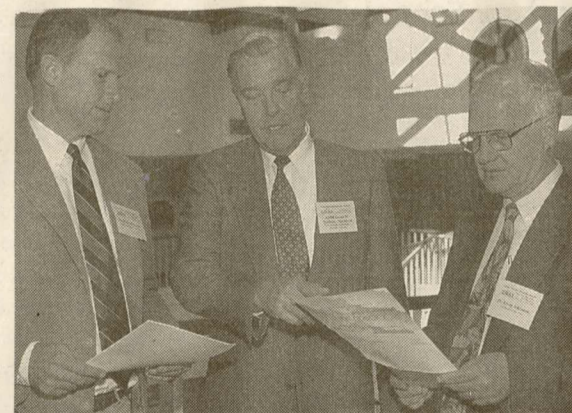
the Next Generation: Career Opportunities in Ocean Sciences."

John Milliman, dean of graduate studies at the School of Marine Science (SMS), noted that these gatherings provide periodic opportunities for in-depth review and discussion of issues affecting higher education in the ocean science community.

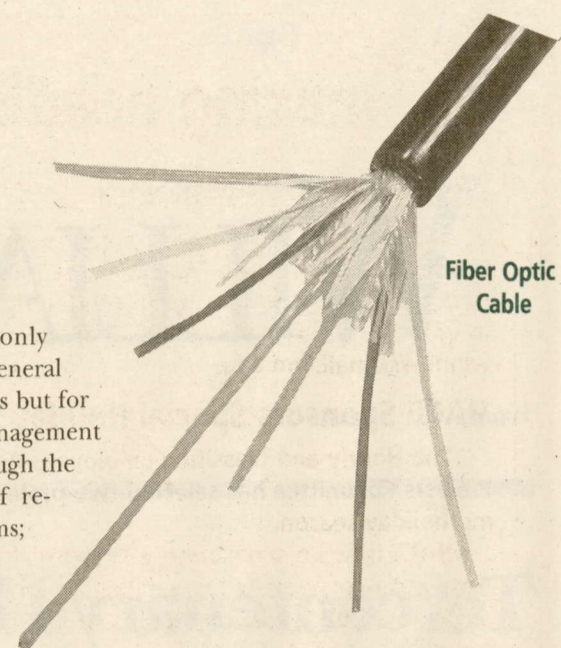
Hosted by the College through the Virginia Institute of Marine Science/SMS in cooperation with the Department of Oceanography at Old Dominion University, the workshop was organized under the

auspices of the Consortium for Oceanographic Research and Education based in Washington, D.C.

For more information, contact Milliman at 642-7102.



Workshop participants include from l-r, John Milliman from VIMS, Admiral James Watkins of the Consortium for Oceanographic Research and Education, and Larry Watkinson, department of oceanography, Old Dominion University.



Fiber Optic Cable

making headlines

News Delivery Problems?

Members of the College community who do not receive a copy of the *William and Mary News* regularly or have difficulty in locating the newspaper on campus are encouraged to inform the editor at ext. 12639 or via e-mail wmnews@mail.wm.edu.

HACE Sponsors Special Holiday Projects

The Hourly and Classified Employees Association Holiday Projects Committee has selected two projects for the upcoming holiday season.

HACE is again sponsoring a Thanksgiving food drive to benefit one or more fellow employees who may need help during the holiday season. Collection boxes for Thanksgiving canned and/or dry goods (stuffing mix, cranberries, canned vegetables, etc.) are available at Swem Library, the University Center, the Campus Center and the Brafferton, as well as the Nov. 12 general meeting (1 p.m. in Tidewater A).

The Salvation Army sponsors an annual Christmas stocking project in which individuals, groups and clubs fill stockings for Santa to distribute to senior citizens and children in families that qualify for help. HACE has committed to fill 35 stockings for senior citizens with inexpensive stocking stuffers and would like to invite all College employees to take part. For more information, call Sandy Wilms at ext. 11257.

Employees who would like to contribute a monetary gift to either of these projects should make their check payable to HACE and send it to the HACE treasurer or any member of the committee listed below. Designate the gift for either the Salvation Army stocking project or the Thanksgiving food drive.

All Thanksgiving food basket contributions should be received by Monday, Nov. 20, at 5 p.m. All Salvation Army contributions should be received by Friday, Dec. 1, at 5 p.m.

For more information, call Selma Blair at ext. 13108, Violet Chalkley at ext. 12617, Ruth Graff at ext. 11252 or Sandy Wilms at ext. 11257.

Faculty Invited To Explore Uses Of Computer Conferencing

Technology Services is sponsoring a satellite teleconference titled "Computer Conferencing: Alternative To Lectures," on Monday, Nov. 13, from 12:30 to 2:30 p.m., in the Dodge Room of Phi Beta Kappa Memorial Hall. The event is free and open to all faculty.

Similar to e-mail and listserves, computer conferencing is a way of communicating designed specifically for text-based group discourse. Special features of computer conferencing software enable group communication and projects by reducing time and distance constraints.

In this broadcast, hosted by Bob Noonan, acting associate provost for information technology, the audience will visit four different campuses where six faculty members will demonstrate the use of computer conferencing in a wide range of courses. They will also demonstrate how to convert lecture-based courses to computer-conferenced courses.

Both the teachers' and students' points of view will be covered during the demonstration. Tools such as e-mail and screen capture software as well as more sophisticated applications such as Lotus Notes and FirstClass will also be examined.

Law School Announces Judicial Series

The School of Law will host five distinguished judges from January through April in its Tazewell Taylor Jurist-in-Residence program.

These judges, including two justices of the Virginia Supreme Court, one judge of the Virginia Court of Appeals, and two trial judges, will each spend a day in residence at the law school, meeting with students and faculty members and participating in classes. Each will also conduct a public question-and-answer session.

"We hope that by spending time with these judges our students will better appreciate the burdens of the judge's job and the quality of people serving in that role," said Thomas Krattenmaker, dean of the law school.

The Tazewell Taylor Jurist-in-Residence program was inaugurated in 1976 and is being reinstated this year.

staff spotlight

Keys To The College

Locksmiths Avery Vaughan and Arch Batchelor make sure your door, desk or file cabinet is secure

Their creed is posted inconspicuously on the wall of their small shop behind Facilities Management. "What are locksmiths?" the code begins. "They are craftsmen because of their technical skills. They are professional because they adhere to a strict code of service ethics and public responsibility; and some are even called scientists because they deal with the laws of physics as applied to the actions of locking devices."

Responsible for an estimated 35,000 locks at the College, including those for doors, cabinets, desks, safes and padlocks, Avery Vaughan and Arch Batchelor know well the challenges of fixing, replacing and maintaining the devices that keep faculty, staff and students safe.

"There's always something that we have to stay on top of because of the importance of security on campus," said Vaughan, who has been a locksmith for six years.

This past summer was particularly rough for the two locksmiths. Their mentor, former head locksmith

Clarence Grounds, retired late in the spring after more than 20 years. Compounding the loss of his help and invaluable expertise, Vaughan and Batchelor faced an unprecedented number of lost keys this summer during conferences and summer school. They also had to install more than 50 locks on a variety of new rooms and renovated facilities.

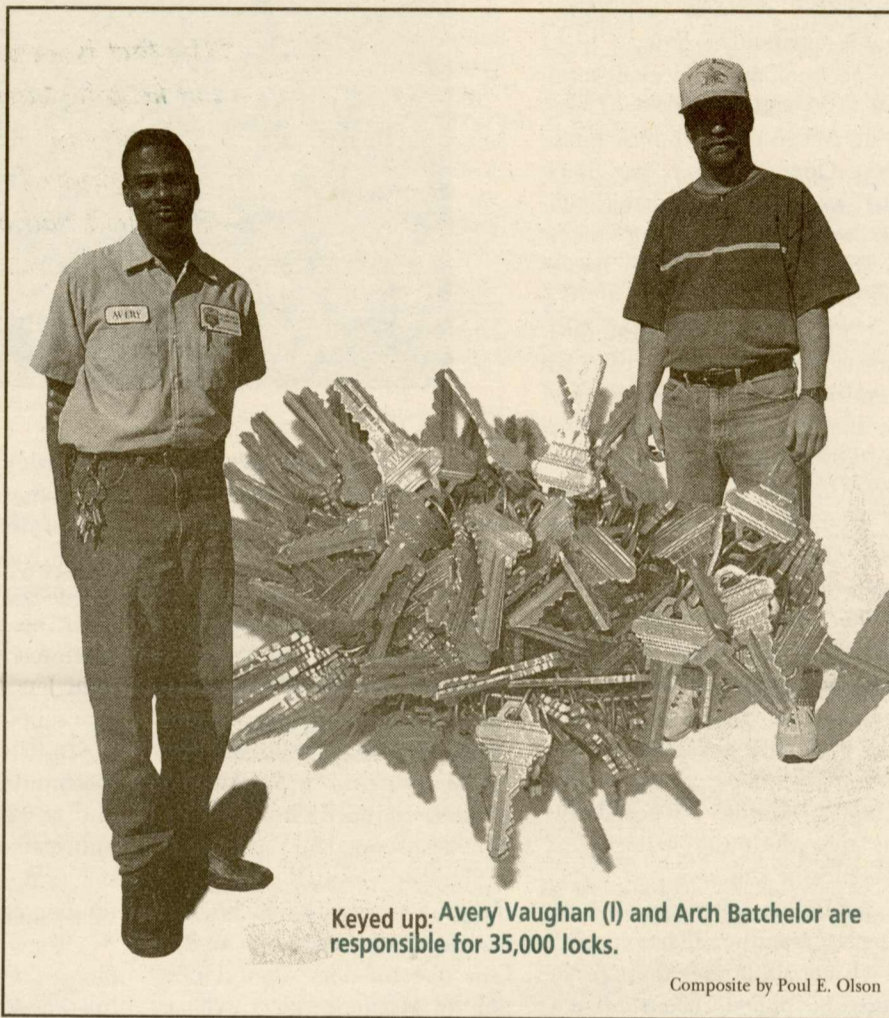
To meet these demands, the

their written records on each lock. It takes almost two hours to research and repin one lock.

"Figuring out these records has always been the most frustrating part of our job," said Batchelor. "One number wrong on the [pinning] code can throw the entire system off. With a computer, we

longevity of most locks, some of which cost \$200 each, would increase markedly with more preventive maintenance.

"We could also make better use of our time if we could service the locks regularly," said Vaughan. "Sometimes a lock only needs to have a screw tightened. But we usu-



Keyed up: Avery Vaughan (l) and Arch Batchelor are responsible for 35,000 locks.

Composite by Poul E. Olson

"With all these locks, you're never doing the same thing." —Arch Batchelor

locksmiths worked almost seven days a week, sometimes 12 hours a day from July through August.

The men also had to make their regular preparations before the start of school. Each summer, more than 500 locks on dormitory rooms have to be repinned because students either didn't return their keys or they graduated.

All door locks on campus can be repinned in any of four different combinations. But to ensure that they all use a unique key, the locksmiths have to painstakingly conduct a "background check" of

something new."

During the academic year, Vaughan and Batchelor repin and make new keys each week for at least six dormitory rooms whose occupant(s) lost a key.

In addition to these locks, Vaughan and Batchelor most frequently service electronic, combination, safe and padlocks. They're on call 24 hours a day.

The locksmiths have found that hardware in older locks tends to be more reliable and easier to work on than that found in their newer counterparts. They said the

ally don't find out about this until someone calls it in and we have to fill out a work order."

Because the security of students is top priority, the strongest and most impenetrable locks are found on residence hall rooms. Their hardware can't be picked and keys to them can be duplicated only by Vaughan, Batchelor or the lock's manufacturer.

"They won't give in even if someone tries to break down the door," said Vaughan. "The locks are basically indestructible, but the doors aren't."

With the exception of the fraternity complex, the locksmiths rarely have to replace an entire lock. This measure is usually only taken as a last resort.

"If an entire lock has to be changed, we have to think about getting new keys to all the people who might use it—custodians, campus police, residence life, etc.," said Vaughan.

The locksmiths hope more people will realize the complexity of their job. When thinking about the challenges they face, both men are reminded of the motto of a television commercial—"It's not just a job, it's an adventure."

by Poul E. Olson

Macintosh Users Unite

Frustrated about the lack of support for their computers, Mac users turn to themselves

Assistant Professor of Business Kevin Hendricks spent a day last week outfitting a colleague's Macintosh computer with networking hardware. It was time Hendricks doesn't consider well spent.

While PC users have three full-time support personnel devoted to them, there is currently no full-time technical support for Macintosh computer users.

Almost 20 percent of both faculty and students use the Macintosh platform—a number that is apparently growing.

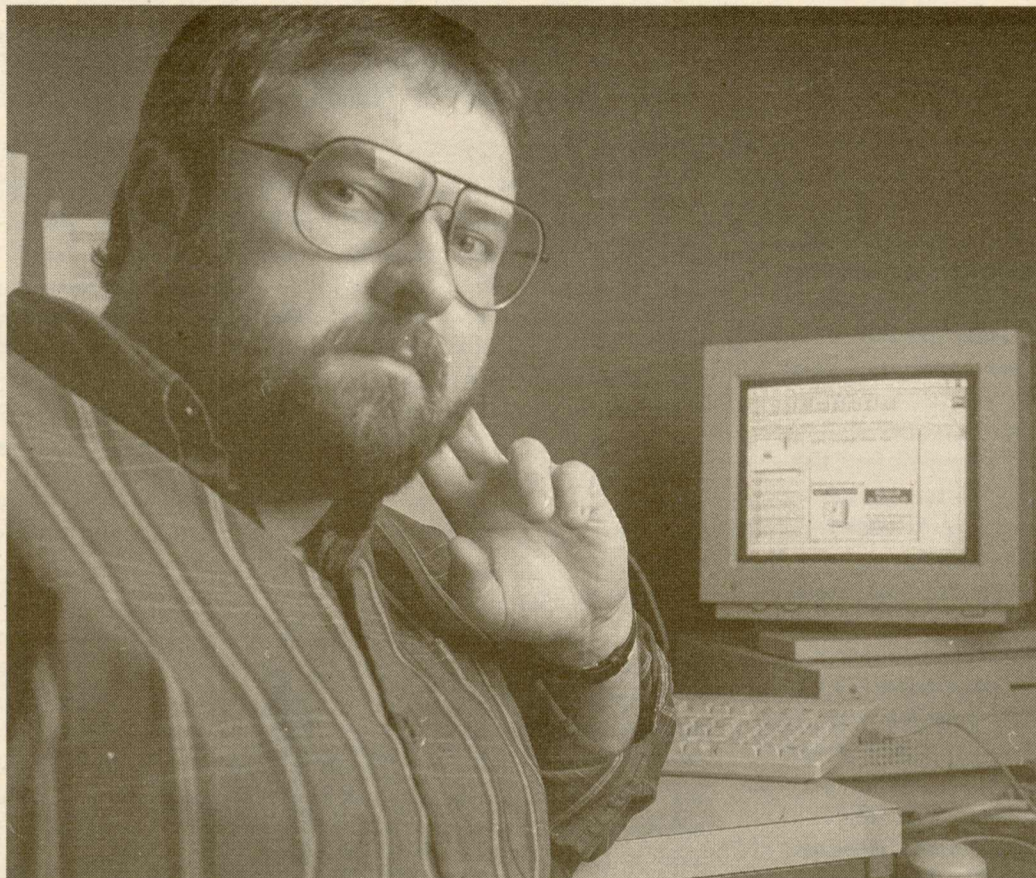
Technology Services devotes one of its student workers to handling Macintosh technical questions. Often, however, Mac users such as Hendricks with difficult hardware or networking needs must resort to supporting themselves.

"Macintosh users shouldn't have to install Ethernet cards," said Hendricks, who considers himself on the front-line for Macintosh support at the business school. "From an opportunity cost, the loss of productivity is amazing when 60 faculty and staff are doing something they shouldn't."

Realizing the need for support, Hendricks and Keith Griffioen, associate professor of physics, spearheaded the formation last year of a Macintosh users group. Both of their departments and the School of Marine Science house the overwhelming majority of Macintosh computers.

From only a handful of members last year, the self-help group, which communicates through an electronic bulletin board called a Listserv, has swelled to more than 60 faculty and professional staff.

The group is working on developing a list of experts on specific technical aspects of Macintosh computers. Eventually, Mac users



"Macintosh users shouldn't have to install Ethernet cards."

—Kevin Hendricks

with questions will be able to use the Listserv to identify faculty, staff or students who can help them with their queries.

The group also has set up an archive of shareware software which any Mac user can download.

Despite the group's success, it has recently lobbied vigorously for the College to fund at least one full-time Mac support technician. Approximately 35 faculty members signed a proposal for the position.

Budget constraints have been the primary reason that the College has been unable to fund at least one full-time support position for Macintosh users. William and Mary's traditional focus on the PC platform has also affected the level of support that it has been able to provide.

Robert Noonan, acting associate vice provost for informational

technology, acknowledged the frustrations of Mac users and is supportive of their efforts.

He conceded that Mac support isn't nearly as adequate as support for PC users. "I have no bias against Macintosh users," Noonan said, "and I would dearly like to provide support for them."

In the 1996-97 budget, a Macintosh support technician is one of 12 funding priorities for information technology. Finishing the campus network is the top funding concern.

"Depending on what Richmond does, I predict we'll have full-time Mac support by next summer," said Noonan, who has joined the Mac users Listserv.

To ensure that all technology needs are properly addressed, Noonan said that the College has retained a consultant who will be-

gin an extensive evaluation by next month. "The consultant's report should give us a good idea about where we are and where we are going," he said.

Noonan offered an additional glimmer of hope for Macintosh users. "Even if the position we're requesting isn't funded, we're going to see some drastic changes in the way we operate around here. There's a lot of things we can do to address this deficiency internally if we set our minds to it."

Another area of concern for Mac users is the level of discount that they receive for purchasing equipment from Apple. Because the College currently has no official agreement with the company, Apple cannot offer faculty, staff or students its best discount. Also, unlike some universities whose bookstores sell an array of computers, William and Mary has no official agreement with Apple.

In response to Mac users concerns, Noonan said that he is looking into the possibility of the College signing an agreement with Apple.

Both Hendricks and Noonan agree that Macintosh computers are much easier to use and require fewer personnel to support than the PC platform. "In some respects, I wish there were more Mac users," said Noonan.

Hendricks, who uses his machine for complex modeling, argues that Macintosh users are even much more productive than their PC counterparts.

Said Hendricks, "I used to be a PC user. But those computers couldn't compare to the ease of use of a Macintosh. You'll never get me to go back."

Faculty, staff and students who wish to join the Macintosh users group Listserv should send email to majordomo@physics.wm.edu with the following message in the

body subscribe wmmug your@email.address. The user's group shareware archive can be accessed via ftp://physics.wm.edu/pub/mac through WAMI.

by Poul E. Olson

Information Sought In Mac Theft

More than \$15,000 in Macintosh computer equipment was stolen from Small 101 last Friday sometime between 4 and 5 a.m.

The physics department is offering a \$1,000 reward for information leading to the arrest and conviction of those responsible.

Stolen from the multimedia lab, used by faculty and students, were five nearly-new Power Macintosh computers, monitors, keyboards, a color scanner and a black-and-white printer.

A housekeeper reported noticing a conspicuous vehicle, possibly a 4-door Buick with a dark roof and a light body color, in the parking lot about 5 a.m. Friday, according to Campus Police.

The door to the lab was locked at the time of the theft. Campus Police found no evidence of forced entry.

Anyone with information should contact Campus Police at ext. 14596 and ask for Inv. Susie Hibbard. Physics Professors David Armstrong (ext. 13489) or Keith Griffioen (ext. 13537) may also be contacted.

Dredging Lake Under Consideration

CONTINUED FROM PAGE 1.

means for accomplishing this."

Preventing further encroachment on the woods is another priority of Mathes, L.E.E. and the L.R.A. committees.

Plans were announced last spring to develop the Casey tract of property located at the end of Monticello Avenue adjacent to the College Woods. Although some concern was generated that development would affect the lake and woods, preliminary studies indicate that the drainage flow is away from the College's property.

William and Mary has retained a landscape architect to develop a long term master plan for how the lake and woods should be used. Present recreational uses of the area will probably not be ex-

panded, Mathes said. Instead, the College plans to focus more on educational programming for students at the College and at local schools. A biology class from Lafayette High School is already using the woods this fall for field research.

The architect's report should identify precisely the most environmentally sound uses for the woods and the lake, said Mathes. Drawing on previous studies of the area's archaeology, geology, wildlife and aquatic life, the master plan will serve as the first comprehensive blueprint for planning the future of Lake Matoaka and the College Woods, Mathes added.

"We're finally moving from the planning to the implementation stages of preserving this resource," said Mathes, pointing to the ef-

forts already taking place to upgrade the trails. "I don't think this

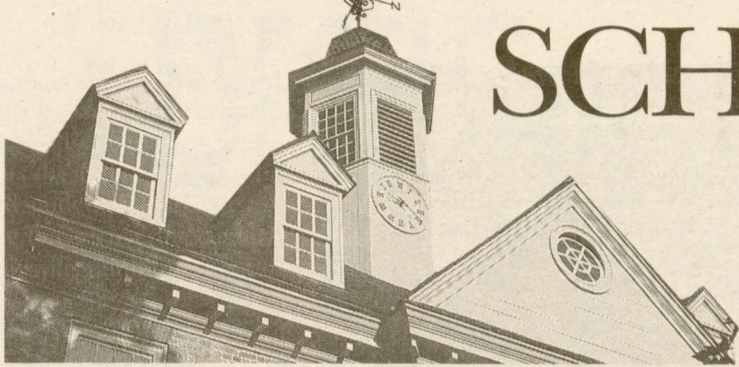
"We're finally moving from the planning to the implementation stages of preserving this resource."

—Martin Mathes

would have happened without the support of students and the public and their concern for the environment."

by Poul E. Olson

FACULY



SCHOLARSHIP

Anthropology

Assistant Professor **Barbara King** gave two invited talks in June on the evolution of primate cognition at the Santa Fe Institute, a multidisciplinary institution devoted to research on complex systems. Her talk was titled "Emergent Primate Communities: Social Information Donation and the Critical Threshold." The School of American Research also recently funded King to organize and chair a seminar on language origins and evolution from a primatological perspective. The five-day seminar will take place in October 1996.

Applied Science

Assistant Professor **Mark Hinders** is encouraging future scientists to volunteer for an innovative educational program called Science-By-Mail. The program teams children in grades four through nine with scientists who volunteer as pen-pal mentors. Each packet has a topic and contains a booklet on that topic and the materials to do several related experiments. Members correspond by mail with their pen-pal scientists about their work on the experiments.

Hinders, who began volunteering as a pen-pal mentor in 1991, has helped students create working weather stations, perform science magic tricks, and design garbage disposal systems. This year's program will focus on the science of sports and planetary science.

Scientists who want to become a volunteer mentor should write to Science-By-Mail, Museum of Science, Science Park, Boston, MA, 02114 or call 1-800-729-3300.

Chemistry

Gary DeFotis, Garrett-Robb-Guy professor of chemistry, wrote a paper for the June 1 issue of the *Physical Review B (Condensed Matter)* titled "Magnetic Phase Diagram, Static Properties and Relaxation of the Insulating Spin Glass $\text{CoCl}_2 \cdot \text{H}_2\text{O}$. Former undergraduate students **Greg Coffey**, **Craig Cinquina**, **Sarat Chandralapaty**, **William Brubaker**, **Daniel Krovich**, **Richard Chamberlain** and **William Jarvis** were co-authors. DeFotis also recently chaired a session of the inorganic division, "Nanocrystals and Low-Dimension Solids," at the national meeting of the American Chemical Society Aug. 20-24. He presented two papers: "Low Dimensional Antiferromagnetism of $\text{NiBr}_2 \cdot 3\text{H}_2\text{O}$," co-authored by former undergraduate students **Amy Narducci** and **Michael Welch**, with recent contributions by senior **Joanna Goodey**; and "Low Dimensional Antiferromagnetism of Single Crystal $\text{Co}(\text{SCN})_2(\text{i-C}_3\text{H}_7\text{OH})$," co-authored by Narducci and Welch, with recent contributions by undergraduate **Matt Wilkens**.

Cirila Djordjevic, Garrett-Robb-Guy professor of chemistry, emerita, recently co-authored two papers with

students and colleagues and a chapter in a book: with P.L. Wilkins '80, Professor E. Sinn and R.J. Butcher, she wrote "Peroxo Aminopolycarboxylato Vanadate (V) of an Unusually Low Toxicity: Synthesis and Structure of the very stable $\text{K}_2[\text{VO}(\text{O}_2)(\text{C}_6\text{H}_5\text{NO}_2)_2 \cdot 2\text{H}_2\text{O}]$ " for *Inorg. Chim. Acta* 230, 241-244 (1995); with M. Lee-Renslo '83 and Sinn she wrote "Malato Vandates(V): Synthesis Spectra and Structure of the $(\text{NH}_4)_2[\text{VO}(\text{O}_2)(\text{C}_6\text{H}_4\text{O}_2)_2 \cdot 2\text{H}_2\text{O}]$ Dimer with a Rhomboidal V_2O_2 (hydroxyl) Bridging Core" for *Inorg. Chimica Acta*, 233, 97-102 (1995); and "Antitumor Activity of Vanadium Compounds," in *Metal Ions in Biological Systems*, Vol. 31, (H. Siegel and A. Sigel, eds.), Marcel Dekker, Inc., N.Y., 1995, pp. 595-616.

Dance

Joan Gavalier, instructor of dance, presented her work *Hands and Voices: Danceworks* at Artspace Gallery in Richmond, Sept. 22-23. This concert of choreography included four solo works, all performed by Gavalier, as well as one group piece.

Economics

Professor **William Hausman** contributed four entries to *The Encyclopedia of New York City*, recently published by Yale University Press. The entries included an essay on "light and power" in the city.

Assistant Professor **Yana Rodgers** presented two papers at the International Atlantic Economic Society's 40th annual conference in Williamsburg on Oct. 11. They were titled "Labor Law and Gender Earnings Equity: Some Evidence from Taiwan," and "The Prevalence of Gender Topics in the Profession's Leading Journals." She also has book reviews forthcoming in the *Journal of Economic Literature*, the *Southern Economic Journal* and in *Antara Kita*.

Professor **Len Schifrin** recently served on the expert panel for health for the program "Networks of Centres of Excellence," for the Medical Research Council of Canada. The panel consisted of 10 members from Canada, the United States, and Great Britain, and made recommendations for funding among three groups of finalists, each a nationwide collaboration of the public and private sectors, seeking to enhance important components of the Canadian health system. The Canadian Ministry of Industry and Ministry of Health has accepted and acted upon the panel's recommendations.

Economics/Public Policy

Professor **Robert Archibald** and **David Finifter**, professor of economics and director of the public policy program, were two of 54 faculty members who participated as fellows in the 1995 NASA Langley Research Center-Old Dominion University ASEE Summer Faculty Fellowship Program.



Archibald

Sponsored by the National Aeronautics and Space Administration, the program gives engineering and science faculty members the opportunity to spend 10 weeks working with NASA peers on research.

Archibald's and Finifter's research topic was titled "Excursions in Technology Policy." They both worked with Robert Yang of NASA Langley's Technical Applications Group.

English

Heidi Elam, adjunct professor, has had an article titled "Narcissus and Hermes: The Intersection of Psychoanalysis and Myth in *Seize and Day*" accepted for publication in the fall issue of the *Saul Bellow Journal*.

Government

Professor **Roger Smith** was invited to speak to the International Conference on the Problem of Genocide that was held at the National Academy of Sciences in Yerevan, Armenia, April 19-23. His paper was on "The Uses of Genocide in the 20th Century." On April 9, he participated in an international symposium at UCLA on "The Armenian Genocide: An 80-Year Perspective, 1915-1995." His presentation was on "Resistance to Genocide: The Armenian Experience." In August, he presented a paper on "Women and Genocide" at the annual meeting of the American Sociological Association in Washington, D.C.

Professor **Alan Ward** presented a paper, "Clinton, Gingrich and the Republican Revolution" to a faculty seminar at Flinders University, South Australia, on May 31. On June 8, he delivered a public lecture on "President Clinton and the Republican Congress" at the University of Adelaide, South Australia.

History

Jon Brudvig, Ph.D. candidate, recently presented a paper titled "I Have a History Too: The Voices of Hampton Institute's American Indian Students," at the Great Lakes History Conference held in Grand Rapids, Mich.

International Studies

James Bill, director of the Reves Center for International Studies, gave a lecture at the National Press Club in Washington, D.C. on Sept. 30. Bill spoke on "America's Iran Policy: Strategic Disaster in the Persian Gulf." Bill was also recently invited to speak at the Middle East Institute's 49th annual conference titled "Middle East Uncertainties." Bill, who has written five books and two dozen articles on Iran and the Persian Gulf, criticizes the Clinton administration's decision to impose a complete economic embargo against Iran.

Mathematics

Associate Professors **Rex Kincaid** and **George Rublein** were two of 54 faculty members who participated as fellows in the 1995 NASA Langley Research Center-Old Dominion University ASEE Summer Faculty Fellowship Program.



Rublein

Sponsored by the National Aeronautics and Space Administration, the program gives engineering and science faculty members the opportunity to spend 10 weeks working with NASA peers on research.

Kincaid's research topic was titled "Actuator Placement for Active Sound and Vibration Control of Cylinders." Dr. Thomas Zang of NASA Langley's Research and Technology Group, Fluid Mechanics and Acoustics Division, was Kincaid's research associate.

Rublein's research topic was titled "Elementary Mathematics of Powered Flight." His research associate was James Batterson of the NASA Langley's Research and Technology Group, Flight Dynamics and Controls Division.

Modern Languages and Literatures

Jonathan Arries, assistant professor, participated in a national teleconference Oct. 27 titled "Accommodating Learning Disabled Students in Colleges and Universities." The live, interactive videoconference will highlight pragmatic methods for assessing and accommodating students with learning disabilities. Arries and other panel experts will also offer strategies for improving the educational environment for these students.

Bruce Campbell, visiting assistant professor, was awarded a German Academic Exchange Service Summer Research Grant for July in Germany.

Associate Professor **Francie Cate-Arries** presented a paper titled "Seeing through the Eyes of the Feminine: Remedio Varo and the Revision of the Subject of Surrealism," at the first international Conference of the Hispanic Association for the Humanities in Madrid, Spain, July 31-Aug. 6. Associate Professors **Carla Buck** and **Teresa Longo** also each presented papers. They were respectively titled: "Desperately Seeking-Sila: Abjection, Love, and Desire in Carmen Martin Gaité's *La reina de las nieves*" and "Crossing Borders: Rigoberta Menchu and Skylight Pictures." The topic of the conference was "The Spanish and Latin American Woman: International Challenges and Successes".

Professor **John Falconieri** has published a series of five manuscript editions of Spanish Golden Age plays whose existence was previously unknown. The manuscripts were discovered at the Vatican library, the Biblioteca Nazionale and the Casanatense in Rome and include playwrights Hurtado de Mendoza, Mira de Amescua, Prado y Tovar, Sigler de la Huerta and Gaspar de Avila.



Bill

Associate Professor **Ron Hallett** attended the 13th International Humor Conference in Birmingham, England this summer. He presented a paper titled "Francois Rabelais and Post Modernist Humor," and was also chair of a section on French humor.

Professor **Don Monson** presented a paper titled "The Troubadour's Lady Reconsidered Again," at the Eighth Triennial Congress of the International Courtly Literature Society in Belfast, Northern Ireland, July 26-Aug. 1. This paper was published in *Speculum* 70 (1995). The following articles by Monson were also recently published: "Nadal chez Bernart de Ventadorn," in *Revue des Langues Romanes* 98 (1995); "Arcie," in *Modern Philology* 93 (1995); "Les Lauzengiers," in *Medioevo Romanzo* 19 (1995).

Instructor **Natalia Olshanskaja** presented a paper titled "Russian Comedy Today: In Search of National Identity," at the screen studies conference at the University of Glasgow, Scotland, June 29-July 2.

Associate Professor **Franco Triolo** (Italian), and Instructors **Barbara Romaine** (Arabic) and **Xia Liang** (Chinese), taught in the intensive language program at the Middleburg College Summer Language School in Middlebury, Vt.

Psychology

Professor **Kelly Shaver** co-authored an article titled, "A Longitudinal Study of Cognitive Factors Influencing Start-up Behaviors and Success at Venture Creation," that was recently published in the *Journal of Business Venturing*. This study reports the first prospective research examining the relationships between attributions and business start-up. An extension of this research was supported by a 1995 Summer Research Grant.

Theatre and Speech

Instructors **Tamara Burk** and **Loralee Clark** co-presented a paper at the 19th annual Virginia Association of Communication Arts and Sciences conference held in Richmond, Sept. 22-23. The paper was titled "An Innovative Approach to the Hybrid Basic Course at the College of William and Mary" and dealt with issues surrounding SPCH 102, Fundamentals of Oral Communication, that takes a lecture/lab competency-based approach to oral communication skill development.

In addition, **Burk** was a featured speaker at the Eastern Communication Association Conference in Pittsburgh, Pa., last April. Her talk focused on oral communication across the curriculum program development and remodeling the basic course to incorporate communication competency. Burk was also an invited consultant to both Mary Washington College and Randolph-Macon College this summer, where she assisted in oral communication program development, and conducted faculty development workshops focusing on incorporating oral communication activities into courses across the curriculum.

"What Theatre Majors Learn," an article by Professor **Louis Catron**, appeared in the Spring 1995 edition of *California Educational Theatre News*. The article focuses on theatre training as preparation for a variety of employment possibilities other than theatre.

School of Business

Professor **Robert Fulmer** is the author of "Building Organizations that Learn: The MIT Center for Organizational Learning." The article is part

A Whale Of A Find

Geology department acquires fossilized remains of a three million year old baleen whale

While workers at Newport News Shipbuilding were recently expanding one of the shipyard's dry-docks, a backhoe hit on something unexpected: the fossil remains of a long extinct animal.

The College obtained the fossil when dockworkers contacted the geology department four weeks ago to inspect the discovery.

The bones, which were imbedded in a 6-foot-long, 4-ton block of bluish-gray clay, are most likely those of a baleen whale over 3 million years old.

"Facial bones and what may be ribs are sticking out from the sides of the block," said Gerald Johnson, professor of geology.

He believes that the whale probably died about 40 miles off shore and was quickly buried on the ancient sea floor.

Unlike other whales, which

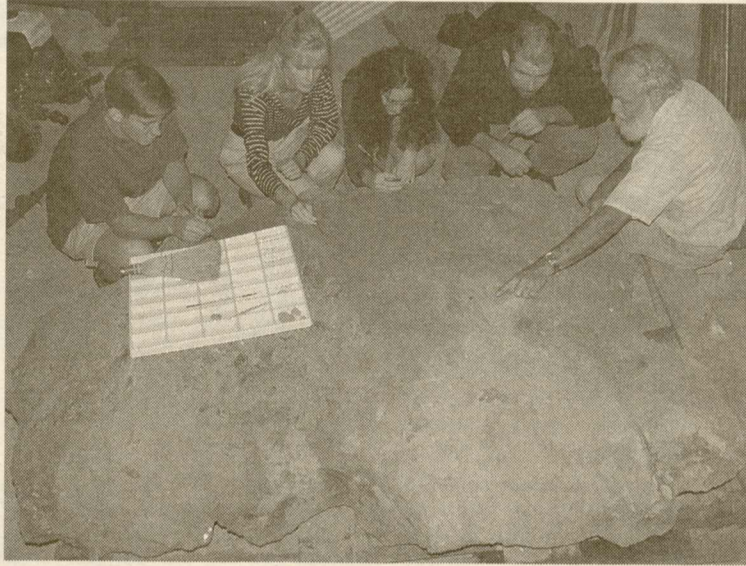
have peglike teeth along one or both jaws, baleen whales have no teeth. Instead, they possess thin plates of baleen, a fingernail-like material, which hang from their upper jaws. The inside edge of these plates catches plankton on its bristly fibers as the whale swims with its mouth open in order to engulf plankton and seawater by the ton.

Today's baleen whales tend to spend the summer in polar seas and migrate to temperate or tropical zones in the winter.

Living examples of baleen whales include the blue whale and the gray whale. Toothed whales include the sperm whale, the killer whale, and all the species of dolphins and porpoises.

Johnson and his students face the daunting task of learning more about the bones in their possession.

"We're going to need a lot of



Picking away: From l-r, freshman Jeremy Hlavacek, seniors Sara Cole and Clair Lueke, and Assistant Professor of Geology Jon Filer.

grinders and dental picks in order to cut away the rock surrounding the bone," said Johnson. "It's a

slow process that will take at least a year."

A facilities management crew

had to use a forklift to unload the block of rock encasing the whale at the geology department's work area under Zable Stadium.

The find's unusual state—"tough as cement"—is due to precipitation of minerals long after the whale was buried.

"One finds a lot of shell material in this environment," explained Johnson. "When groundwater moves down through the sediment it dissolves the shell. The dissolved materials move around the bone and cause it to precipitate, leaving a cemented halo of bones."

The specimen will eventually be placed in a repository at the Smithsonian Institution or the Virginia National History Museum once Johnson and his team, including Assistant Professor of Geology Jon Filer, are done with their analysis of the remains.

by Andrew Bhattacharya

Departments & Schools Cont.

CONTINUED FROM PAGE 5

of a special issue on "Center of Excellence in Management Development" published by the *Journal of Management Development*. Fulmer was also a featured patriot speaker at the 1995 annual meeting of the World Fortune Society, July 19, in Atlanta, Ga. His presentation was titled "Organizational Environments: Architecture and Meaning." Fulmer also co-authored the following articles: "The System Dynamics of Executive Education," published in the summer issue of *Executive Development*; and "The Changing Nature of Executive Education and Leadership Development," which appears in the current issue of the *American Journal of Management Development*.

Professor **Ronald Sims** wrote a chapter titled "Job Analysis in Human Resource Management Practice" for *Human Resources Management Perspectives, Context, Functions, and Outcomes* (third edition, Prentice-Hall, Englewood Cliffs, N.J.). Sims also co-authored *Total Quality Management in Higher Education: Is it Working? Why or why not?* recently published by Quorum Books.

Professor **Robert Solomon's** and Bernadette Jones' paper "The Personal Impact of Managed Care on Physicians" was published in the July issue of *Journal of Medical Practice Management*. The paper discusses the reactions that physicians may experience when confronted with changes due to managed care. Also, Solomon's article in *American Medical News* applied Professor **Larry Ring's** pentagon and triangle description of client (place, product/service, value, people, communications) and infrastructure (logistics, supplies, systems) issues to health care organizations and strategies for succeeding in managed care.

Wanda Wallace, The John N. Dalton professor of business administration, co-authored "The Relation of Inherent and Control Risks to Audit Adjustments" for the summer issue of

the *Journal of Accounting and Auditing Finance*, published by the Leonard N. Stern School of Business, New York University. She also recently co-authored an article titled "Do Expected Audit Procedures Prompt More Ethical Behavior? Evidence on Tax Compliance Rates" that has been published in *Research and Accounting Ethics* (JAI Press Inc., 1995).

In addition, **Wallace**, co-authored a paper with MBA student John Walsh titled "Which Profitability Measures Appear Reasonably Comparable Among Countries?" that appeared in *Financial Executive* (May/June 1995). She also spoke at the 19th Annual Industry and Government Conference in June for the Virginia Society of CPAs. She was the keynote speaker on the topics of "Research Findings on How to Detect and Deter Fraud and the Analytical Procedures That Can Be Applied to Monitor Operations and Controls."

School of Education

James Lynch, assistant director of admissions and coordinator of multicultural and international recruitment, has recently had two articles accepted for publication. "African-American Undergraduate Student Recruitment Strategies: A Case Study" is forthcoming in the 1995 issue of the *Southern Association of Collegiate Registrars and Admissions Officers (SACRAO) Journal*. Also, "In Search of Graduate Admissions Professionals: Recruitment and Selection" is forthcoming in the December issue of the *National Association of Graduate Admissions Professionals (NAGAP) Journal*.

James Patton, associate dean and associate professor, recently gave an invited presentation at the fourth biennial international conference of the International Association of Special Education in Brighton, England. Patton's presentation was titled "The Three Warring Souls of African-American High School Students with Gifts and Talents: Counseling and Teaching Strategies for Improving Social Skills."

School of Law

Commerce Clearing House recently published the 17th edition of *The Taxation of Business Enterprises*, co-authored by **Glenn Coven**, Godwin professor of law.

Professor **Neal Devins'** article, "The Countermajoritarian Paradox," has just been published in the *University of Michigan Law Review*. He also contributed a chapter on Department of Justice control of independent agency litigation in *Government Lawyers*, published by the University of Kansas Press.

Assistant Professor **A. Mechele Dickerson** was recently elected to the Board of Directors of the Virginia Women Attorneys Association.

Associate Professor **Davison Douglas'** "The Quest For Freedom in the Post-Brown South: Desegregation and White Self-Interest," appears in the latest *Chicago Kent Law Review*. In October, presented a paper on "Desegregation of the Charlotte Schools" at the North Carolina Historical Society Annual Conference. He also spoke before the American Society of Legal History on "Limits of the Law: School Segregation in the Pre-Brown North."

The Journal of Online Law, edited by Professor **Trotter Hardy**, has been rated by Point Survey, a national rating service that generates a catalog of the "most lively, useful, and fun sites on the Net," among the top 5 percent of all sites on the Internet. Hardy also recently spoke on "Who Owns the Law," at the American Association of Law Librarians annual conference. He will speak on "Property in Cyberspace" at the University of Chicago later this fall.

Professor **James Heller** recently spoke at the annual meeting of the British and Irish Association of Law Libraries in Manchester, England.

Heller served this summer as program chair for the annual meeting of the American Association of Law Libraries, which included the National Conference on Legal Information Studies.

Assistant Professor **Kay Kindred** has recently completed two book chapters—"Civil Rights and Higher Education" will appear in the forthcoming *A Year in the Life of the Supreme Court* (Duke Press, 1995) and "The Regulators Perspective on Corporate Fraud" which appears in *Corporate Misconduct* (Greenwood Press, 1995). This month, she will participate in a symposium at Temple University on the Evolution of Children's Rights. Her presentation will be on "Developing a State Obligation to Assist All Families."

Dean **Thomas Krattenmaker** has joined the editorial board of *Carolina Academic Press*.

Krattenmaker was recently quoted in the *Richmond Times-Dispatch* and in *Newsweek*, on telecommunications reform legislation and on the mergers involving television networks.

Paul Marcus, Haynes Professor, recently completed the third edition of his casebook *Criminal Law*, published by Matthew Bender & Company.

Associate Professor **Alemante Selassie** recently delivered a paper on "Achieving Peace, Political Stability and National Reconciliation in Ethiopia," at a conference on Prospects for Peace and Regional Cooperation in the Horn of Africa, in Leiden, Holland.

Rodney Smolla, Hanson professor, is editor of *A Year in the Life of the Supreme Court* to be published next month by Duke University Press. Smolla was recently quoted in the *Richmond Times-Dispatch* on First Amendment issues in relation to the suit against American Broadcasting Company by Philip Morris.

Adjunct Professor **E. Diane Thompson** was recently elected a fellow in the American College of Trust and Estate Counsel.

Development

Lee Walsh, director of gift planning, has been authorized by the Certified Financial Planner Board of Standards (CFP Board) to use the CFP certification mark and the marks CFP and Certified Financial Planner. These marks identify those individuals who have met the rigorous experience and ethical requirements of the CFP Board, have successfully completed financial planning course work and have passed the certification examinations covering a variety of areas. CFP licensees must also agree to meet ongoing continuing education requirements and to uphold the CFP Board Code of Ethics and Professional Responsibility.

Muscarella Museum of Art

Rachel Strawn, formerly with the Jamestown-Yorktown Foundation and the Valentine Museum in Richmond, has joined the museum staff as an educator. In addition to being involved with the planning and presentation of museum programs for students at the College, area colleges and local primary and secondary schools, she will assist with production of interactive audiovisual programs related to the museum's collections and special exhibitions, write educational labels and publications and prepare public information releases.

Society of the Alumni

W. Barry Adams, executive vice president, presented two programs on "Preparing an Alumni Association for a Capital Campaign—The Alumni/Development Partnership" at the annual Summer Institute of the Council for Alumni Association Executives in Merrimac, Wisc. **Betsy Quinzio**, director of alumni records and information systems, served as faculty and a speaker at the Council for Advancement and Support of Education Summer Institute for Advancement Services at Williams College in Williamstown, Mass. Quinzio spoke on a variety of topics including the Internet, finding lost alumni, data bases, operating systems and alumni relations.



Anthropology

Voigt, Mary M., associate professor, "Gordion, 700-350 BC: Political and Economic Change in an Ancient Anatolian City," University of Pennsylvania, \$30,475.

Center for Archaeological Research

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Historical Research for Four Tracts: Oldfields, Lizard Hill, Kennons, Sturgeon Point, Charles City County," Harrison Tyler, Sherwood Forest Plantation, \$7,269.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Archaeological Survey and Investigation of Brockenborough House Site 'Bear Island' Property, Albemarle County," James B. Murray Jr., \$250.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Additional Phase I Archaeological Survey, Route 199, James City County," Virginia Department of Transportation, \$17,844.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Phase II Archaeological Evaluation of Site 44JC365, Proposed Route 199 Project, James City County," Virginia Department of Transportation, \$13,328.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Additional Phase I Cultural Resource Survey of the Proposed Route 252 Project, City of Staunton," Virginia Department of Transportation, \$2,739.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Phase II Architectural

Evaluation of Structures 29-487, 29-491, 29-496, 29-522 & 29-0947-001 to 29-0947-003, Route 123 Project, Fairfax County," Virginia Department of Transportation, \$33,128.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Archaeological Assessment of James City County," Virginia Department of Historic Resources, \$20,599.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Phase I Archaeological Survey of the Proposed Route 620 Project, Culpeper and Fauquier Counties," Virginia Department of Transportation, \$8,080.

Blanton, Dennis B., co-director/research, and **Donald W. Linebaugh**, co-director/administration, "Data Recovery at Site 44AH277, Associated with the Route 29 Lynchburg Bypass Project, Amherst County," Virginia Department of Transportation, \$39,237.

Applied Science

Manos, Dennis M., CSX professor, "Investigation of Application of Passive and Active Microwave and Passive Optical Observations by Satellites to Remotely Sense Cloud Properties," National Aeronautics and Space Administration, \$90,893.

Manos, Dennis M., CSX professor, "Vacuum Measurement Tool Development," National Institute of Standards and Technology, \$75,110.

Manos, Dennis M., CSX professor, "Combustion Diagnostics Using Diode Lasers," National Aeronautics and Space Administration, \$40,000.

Manos, Dennis M., CSX professor, "Excimer Lamp Development," Du Pont de Nemours and Company, \$50,000.

Manos, Dennis M., CSX professor, "Neutral Beam Formation for Semiconductor Processing Application," National Science Foundation, \$239,928.

Biology

Byrd, Mitchell A., research professor, "Peregrine Falcon Monitoring-Norris Bridge," Virginia Department of Transportation, \$9,093.

Byrd, Mitchell A., research professor, "Peregrine Falcon Monitoring-Coleman Bridge," Virginia Department of Transportation, \$6,942.

Ware, Donna M.E., associate research professor, "Searches of Potential Habitat for the Small Whorled Pogonia," Virginia Department of Transportation, \$9,508.

Ware, Donna M.E., associate research professor, "Small Whorled Pogonia Survey," Virginia Department of Transportation, \$2,139.

Watts, Bryan D., assistant research professor, "Landbird Migration and Habitat Study for NAB Little Creek," U.S. Army Corps of Engineers, \$73,000.

Watts, Bryan D., assistant research professor, "Landbird Migration and Habitat Study," U.S. Army Corps of Engineers, \$4,000.

Computer Science

Mao, Weizhen, assistant professor, "Routing and Scheduling of File Transfers in Packet-switched Networks," National Science Foundation, \$40,147.

Nicol, David M., associate professor, "RITE: Reliability Interface Tool Extension," National Aeronautics and Space Administration, \$20,000.

Nicol, David M., associate professor, and **Dennis M. Manos**, CSX professor, and **Sarah Kruse**, assistant professor of geology, "Acquisition of a Parallel Graphics Computer for Interdisciplinary Computational Science Research," Academic Research Infrastructure Award, National Science Foundation, \$125,918.

Prosl, Richard H., associate professor, "Fellowship for Darryl Copeland," National Physical Science Consortium, \$12,500.

Economics

Rodgers, Yana, assistant professor, "Decomposition of Gender Earnings Differentials in Korea," Research Planning Grant, National Science Foundation, \$18,000.

Geology

Kruse, Sarah, assistant professor, "Pacific Fracture Zones," Young Investigator Award, National Science Foundation, \$37,780.

Modern Languages and Literature

Greenia, George D., director of medieval and renaissance studies, "A Catalogue of Newly Discovered Medieval Manuscripts at St. John's University," Program for Cultural Cooperation between Spain's Ministry of Culture and United States' universities, \$3,500.

Physics

Benner, D. Chris, associate research professor, "HALOE Investigations," National Aeronautics and Space Administration, \$6,750.

Finn, John M., professor, with graduate student **Christopher Armstrong**, "1995-96 Graduate Fellowship," SURA/CEBAF, \$12,750.

Walecka, J. Dirk, professor, "Theoretical Nuclear Physics," U.S. Department of Energy, \$5,000.

Psychology

Johnston, Robert A., professor, with graduate students **Rebecca M. Plesko** and **Beth D. Zebrowski**, "Psychology Assistantships at Eastern State Hospital," Eastern State Hospital, \$11,200.

Johnston, Robert A., professor, "Models of Effective Court-Based Services Delivery to Children and their Families-Internship," National Center for State Courts, \$5,600.

Langholtz, Harvey J., assistant professor, "Correspondence Instruction in Peace-Keeping Operations," United Nations, \$10,000.

Refinetti, Roberto, assistant professor, "Homeostasis, Circadian Rhythmicity, and Behavior," Faculty Early Career Development (CAREER) Program, National Science Foundation, \$106,531.

Public Policy

Finifter, David H., director, "Performance Measures for Climate Control Program," Sandia National Laboratories, \$40,000.

Finifter, David H., director, "Interdisciplinary Research for an Effectiveness Analysis of the LaRC Small Business Innovation Research Program," National Aeronautics and Space Administration, \$50,000.

Theatre and Speech

Bledsoe, Jerry H., professor, "Promotional Assistance 1995 Virginia Shakespeare Festival," Hampton Arts Commission, \$1,000.

Bledsoe, Jerry H., professor, "Virginia Shakespeare Festival," Williamsburg Arts Commission, \$5,000.

Bledsoe, Jerry H., professor, "Project Grant in Support of the 1995 Virginia Shakespeare Festival," York County Arts Commission, \$2,000.

School of Business

Bureau of Business Research

Pearson, Roy L., director, "Richmond International Airport

Expansion Initiatives," Richmond International Airport, \$19,269.

School of Education

Foster, Victoria A., assistant professor, "Family Counseling Center," Peninsula Area Cooperative Education Services, \$55,440.

Latham, Byrd, assistant dean, "Administrative Internship for Carole B. Geiger," Williamsburg/James City County Public Schools, \$14,560.

McLaughlin, Virginia L., dean, "GLOBE Teacher Training Program," U.S. Department of Commerce, \$24,930.

Stronge, James, professor, "Virginia Homeless Education Project-McKinney Act 1995-96-SEA," Virginia Department of Education, \$83,127.

Stronge, James, professor, "Education of Homeless Children and Youth," Virginia Department of Education, \$335,247.

Center for Gifted Education

VanTassel-Baska, Joyce, director, "Javits Gifted and Talented Discretionary Grants," U.S. Department of Education, \$288,654.

Counseling Center

Meilman, Philip W., director, "Analysis Grant: Capturing and Analyzing Data on Student Misconception of Substance Abuse," U.S. Department of Education, \$68,717.

Graduate Dean of Arts and Sciences

Scholnick, Robert J., dean, "Graduate Deans' Fellowship Program," State Council of Higher Education for Virginia, \$24,000.

Scholnick, Robert J., dean, "Commonwealth Graduate Fellowships Program," State Council of Higher Education for Virginia, \$40,000.

Scholnick, Robert J., dean, "An Introduction to Materials Science for PLAMAG Production," Canon, Inc., \$4,350

Muscarella Museum of Art

Christison, Muriel B., visiting professor, "Gallery/Studio Program," Williamsburg Arts Commission, \$4,400.

Christison, Muriel B., visiting professor, "Gallery/Studio Program," York County Arts Commission, \$250.

Student Affairs

McCoy, Kevin, coordinator for public and community service, "Virginia COOL Volunteer Program," Virginia Campus Outreach Opportunity League, \$8,269.

Sadler, W. Samuel, vice president, "1995-96 Virginia Student Recruitment and Retention Program," State Council of Higher Education for Virginia, \$5,365.

Greenia Discovers 700-Year-Old Spanish Manuscript

George Greenia, director of the program in medieval and renaissance studies, has discovered a medieval royal privilege (confirmation of specific rights and freedoms) granted to the Spanish City of Alcalá de Henares.

The parchment document, dated Aug. 8, 1295, was uncovered in the special collections department of the University of Virginia library.

"I was astonished at the find," said Greenia, who confirmed the document's authenticity with two U.Va. students. "We spent several months convincing ourselves that it was not a forgery, a late copy or something already studied."

The privilege is among the oldest records of the ancient city of Alcalá de Henares and also serves as early evidence of Spain's emerging parliamentary democracy.

To secure his rule, King Fernando IV issued royal privileges of this sort to guarantee his constituents the rights that they had secured under his ancestors. According to Greenia, the conferral of the privilege indicates that the city apparently sent its own representatives to the royal parliament in 1295.

Greenia described the document's state as "pristine in almost every respect."

Greenia speculates that a book dealer painted in a red dragon to decorate the opening initial sometime in the late 19th or early 20th century. "He probably did it in hopes of raising the price of the unread charter," said Greenia.

The manuscript is one of only a few known to have survived from the late 13th century. It has been missing from Spain for more than a century.

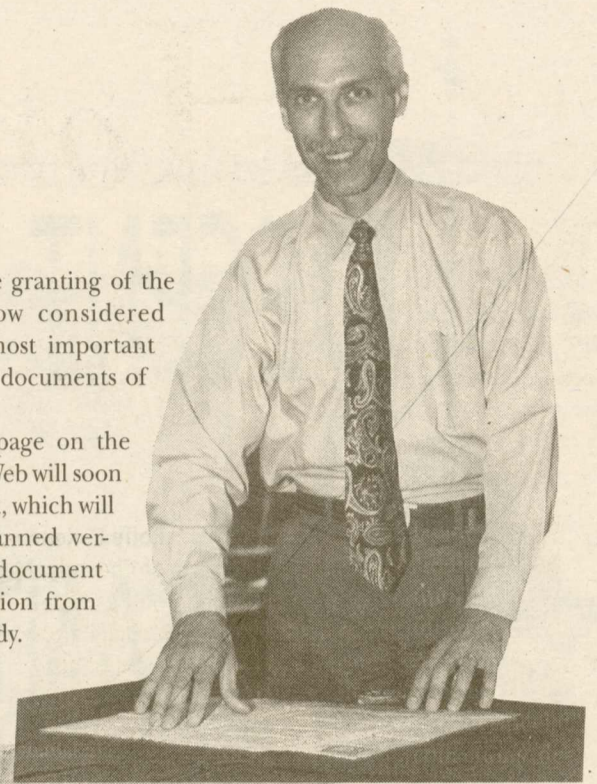
The manuscript is one of only a few known to have survived from the late 13th century.

Greenia and U.Va. library officials are not certain how the charter made it to the United States. U.Va. acquired it in 1972 as part of a collection of medieval manuscripts purchased by the university.

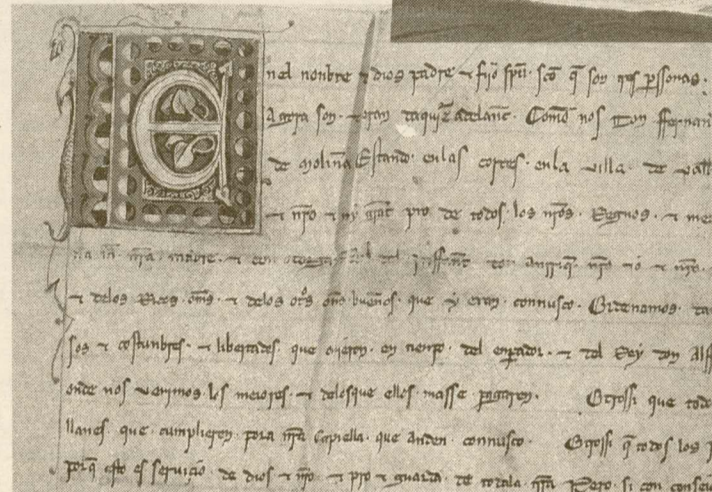
Greenia, who contacted Alcalá de Henares about the find, traveled to the city last month where he presented the mayor and other Spanish officials with a photographic reproduction of the document and a copy of the preliminary study of the charter.

In return, the mayor asked Greenia to write a book on the manuscript and its historical context. It will be published in honor of the 700th anniversary of the granting of the privilege, now considered among the most important foundational documents of the city.

A home page on the World Wide Web will soon be established, which will include a scanned version of the document and information from Greenia's study.



George Greenia (above) with the document at the University of Virginia. The large opening initial in the shape of a red dragon (left) was probably decorated by a bookdealer sometime in the early 19th or 20th century.



Grant Sparks Leadership Program



Brenda Williams (l) and Ginny McLaughlin.

Special Education administration has grown more complex and challenging in recent years. For the development of effective programs, a variety of health, urban, legal, multicultural, family and educational services issues must all be addressed.

Recognizing the increasingly difficult demands of the field, Brenda Williams, associate professor of education, and Virginia McLaughlin, dean of the School of Education, recently sought and received a four-year, \$459,000 grant from the U.S. Department of Education to support seven doctoral students in an intensive leadership program in special education.

administration.

"When I worked as a special educator, the job was much more specific than it is now," said Williams, who served as director of special education in the Hampton school system for nine years before coming to the College. "The primary focus was to provide for the needs of a certain group of students with disabilities throughout their time in school."

Today, the move to consolidate special education with general education has presented additional challenges to special education administrators, Williams said. Special education now encompasses a variety of student constituencies with diverse needs.

The grant will enable the School of Education to provide an annual stipend and support package of approximately \$17,000 to each of the seven students admitted into the Leadership Preparation for Collaborative Service Delivery Program. Designed to hone leadership skills at all levels of instruction from pre-kindergarten through post-secondary, the training initiative focuses on how to foster collaboration among school divisions, individual schools, families, service agencies and community resources to address the needs of special education students.

The leadership preparation

program also seeks to sensitize prospective administrators to the needs of students with disabilities or in various racial and ethnic groups, non-traditional family structures and urban settings.

Doctoral students enrolled in the program will work with all special education and educational leadership faculty at the College as well as researchers in the field. Off-campus, they are slated to field experiences in area school divisions, the Virginia State Department of Education, in agencies that deal with at-risk student groups, and/or at the U.S. Department of Education in Washington, D.C.

"When I worked as a special educator, the job was much more specific than it is now."
—Brenda Williams

Taylor Will Lecture In Hong Kong And China

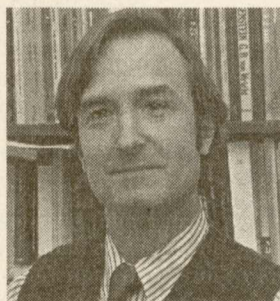
Talbot Taylor, L.G.T. Cooley Professor of English and Linguistics, will present one of four lectures in a special series on "Origins" organized by the School of Research at the University of Hong Kong.

The first three lectures in the series will be given by scientists from Europe and Australia on the origins of the universe, life and culture. Taylor will close the series with a lecture on the origin of language. He will also lecture at Beijing Normal University.

Taylor's book, *Apes, Language, and Human Mind* (Oxford University Press), was the subject of an article in the *New York Times* last

June. Co-authors of the book are Canadian philosopher Stuart Shanker and primatologist Sue Savage-Rumbaugh, who has been the subject of several science documentaries on PBS and the BBC.

Apes, Language, and the Human Mind discusses the implications for linguistics and cognitive science of Savage-Rumbaugh's work with language-trained bonobo chimpanzees, in particular a male bonobo named Kanzi. The authors defend the position that foundations of the scientific study of language and the mind will need to be reconceived as a consequence of Savage-Rumbaugh's findings about Kanzi and other chimpanzees.



Talbot Taylor

The ABC television program "Turning Point" is currently filming a documentary on Savage-Rumbaugh's work and on the arguments presented in *Apes*. She will also defend her arguments in a debate this month on the BBC.

Homecoming '95

Highlights



Rolfe E. Kennard '24 of Cheverly, Md., author of the William and Mary Fight Song, attended his 72nd consecutive Homecoming.

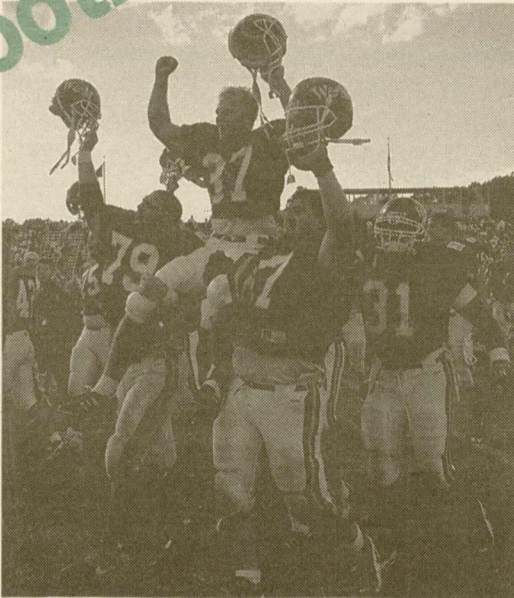


Parade



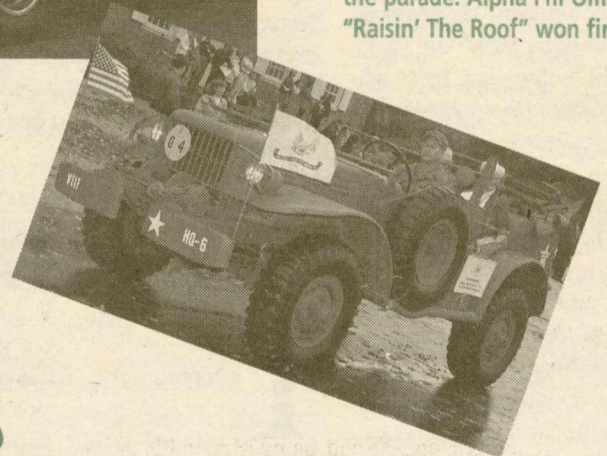
More than 50 entries, including 30 floats, 14 vintage automobiles and four bands, participated in the 66th Homecoming Parade. "Tri-Delt and Sigma Chi: Raising the Roof in '95" (above) captured second place while Delta Phi and Delta Gamma's "Oscar The Grouch" (left) also participated in the parade. Alpha Phi Omega's "Raisin' The Roof" won first place.

Football



Teammates carried kicker Brian Shallcross (No. 37) off Cary Field after his game-winning 47-yard field goal in the final seconds sank Villanova 18-15.

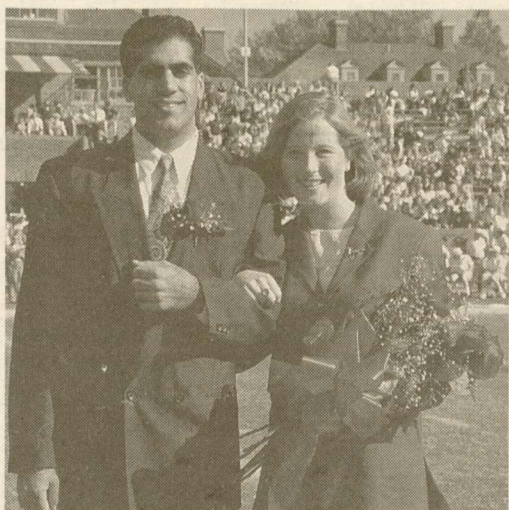
Monty Winget drove a World War II military vehicle carrying Grand Marshals Jack '40 and Ann '40 Garrett in the Homecoming Parade. The vehicle was provided by Bob Kenny Jr. '70, vice president of the Association of 1775, who collects military paraphernalia.



Groundbreaking



One of the highlights of Homecoming Weekend was groundbreaking for the \$3-million Alumni House expansion, scheduled to begin this fall and be completed within a year. Left to right are Barry Adams, executive vice president of the Society of the Alumni; Joe Ellis '65, chair of the Board of Directors' Alumni House Expansion Committee; Barbara Berkeley '61 and Jim Ukrop '60, co-chairs of the National Leadership Committee for the Alumni Center; President Sullivan; Judge Rebecca Beach Smith '71, president of the Society of the Alumni; Alvin P. Anderson '70, Society vice president; and Clyde Culp '65, treasurer, and H. Mason Sizemore '63, secretary.



Vikas Chawla and Tara Adams were the senior class representatives in the Homecoming Court. Both are members of the Student Alumni Liaison Council.

Tercentenary Hall Dedicated

CONTINUED FROM PAGE 1.

The four-story, 48,000-sq.-ft. building includes five applied science labs, four geology labs and a library, and six computer science labs. The building has more computers per square foot than any other building on campus, and will soon be one of the first academic buildings to move onto the College's high-speed fiber optic computer network.

The construction of Tercentenary Hall has been the critical next step in advancing William and Mary's particularly strong science programs on campus, which Provost Gillian Cell referred to in her dedication remarks as "one of the hidden stories of William and Mary."

William and Mary's physical sciences departments have all experienced phenomenal growth in the last several decades. From 1967-1993, for example, the number of students in introductory physics lab sections increased by 40 percent, and chemistry majors increased four-fold in the last 25 years.

In addition, the computer science department "went from an environment five years ago with virtually no lab computers to six well-supplied labs—two dedicated to undergraduates and the other four to a mixture of undergraduate and graduate students," according to Stephen Park, chair of the computer science department.

"Before our move into Tercentenary Hall, undergraduate computer science students had to use personal computers in general-purpose computer labs," said Park. "For the first time, we have adequate lab facilities to cover the entire curriculum and support research."

Tercentenary Hall, which occupies the last remaining building site along the historic Sunken Garden, was created by lead architects Rancorn, Wildman, Krause and Brezinski Architects from Newport News in association with Allan Greenberg of Washington, D.C., and constructed by Conrad Brothers, Inc. from Chesapeake, Va. It

"For the first time, we have adequate lab facilities to cover the entire curriculum and support research."
—Stephen Park

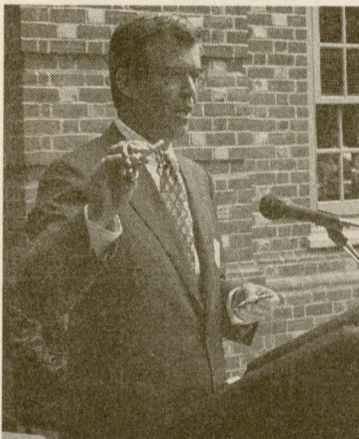
is an adaptation of the Georgian style of design found throughout the Old Campus.

In remarks made at the dedication before helping to present William and Mary Rector James Murray with two keys to the building—one old-fashioned key and one electronic card key—

Greenberg observed that "the architecture of William and Mary and the spirit of the College embody the optimism, the courage and the curiosity of the English Enlightenment . . . and it is that spirit which we have endeavored to embody in this building."

Brick used for Tercentenary Hall was custom-made by the Old Virginia Brick Co. to closely resemble bricks used for the Sir Christopher Wren Building. "We ended up matching the Wren but blending in with the dorms, too," said Ksenia Jaroshevich, William and Mary's director for capital outlay who oversaw the project for William and Mary. "It was important to us that the match be right. That's the single most visual element of the building."

The outside of Tercentenary Hall may be historic in design but the building is high-tech inside. Four large chimneys that stand sentry on top of the building, for example, actually contain exhaust fans and air cleaners for laboratories, explained Jaroshevich. "It was challenging to incorporate all the



Rector James Murray accepted two keys to Tercentenary Hall on behalf of the Board of Visitors, one old-fashioned key and one electronic card key.

fume hoods for exhaust in such a way that we could preserve the exterior."

Said William F. Merck II, William and Mary's vice president for administration and finance who directed the Tercentenary Hall project: "The statement that it has 21st-technology in an 18th-century building is really appropriate."

Peggy Shaw



President Timothy Sullivan described Tercentenary Hall as "the visible symbol of the College's future" at the Oct. 27 dedication ceremony.

Science: The Hidden Story

In her remarks at the dedication of Tercentenary Hall, Provost Gillian Cell called the new building the "visible symbol of science" at William and Mary.

The three departments in Tercentenary Hall—geology, computer science and applied science—together brought into the College over \$2.2 million in externally funded research grants and contracts in 1994-95.

"These facts," noted Cell, "could be replicated throughout the other science departments—biology, chemistry, mathematics and physics.

"At a time when the short-

age of students choosing to major in sciences is regarded as a national crisis and 60 percent of students who go to university intending to major in one of the sciences give up the study of science, at a time when science faculty in other institutions look in the halls and worry that no one is there, someone going into the hall of one of our science buildings is likely to be knocked down by the crowd," said Cell. She then pointed out these examples:

- Geology has more majors than the University of Michigan which has five times as many students as W&M.

- William and Mary in each of the last three years has ranked either fourth or sixth nationally in

the graduation of students who are certified by the American Chemical Society. (Every other institution in the top 25 enrolls well over 20,000 students.)

- Chemistry ranks first in the total number of bachelors degrees in chemistry awarded among institutions without a doctoral program in the field.

- W&M ranks eighth in the country in graduating women who go on to earn doctoral degrees in the sciences; and

- In the 10 years between 1981 and 1992 W&M faculty produced the highest number of scientific publications of any predominately undergraduate institution in the nation.

Donors Helped To Put T-Hall On The Map

Tercentenary Hall would not have been possible without public funding from Virginia's General Obligation Bond Issue, which provided \$6.7 million, and private donations, which supplied some \$2.8 million.

At Friday's dedication ceremony, President Timothy J. Sullivan recognized the help of members of the General Assembly in passing the bond issue, particularly Sen. Hunter B. Andrews, D-Hampton, and Alan A. Diamondstein, D-Newport News. Sullivan also acknowledged bequests from the estates of Tribble King '56 and Jacob Schwalm; and gifts from the Albermarle Corp., Canon Virginia Inc., the Ethyl Corp., IBM Corp., The James River Corporation Foundation, the W.M. Keck Foundation, MCI Communications Corp., and the Sony Corp. of America.

"These donors—by giving so generously to Tercentenary Hall—contribute to our students' poten-

tial to use scientific knowledge to solve human problems," said Sullivan. "They contribute to our students' love of knowledge, and to their ability to discover ways to make our world a better place for all of us.

"In times like these it is good to know there is a body of private support that the Commonwealth can depend on to help our legislators finance important projects like this one."

John Gerdelman '75 and president of Network MCI Services said MCI gave its gift in memory of Bill McGowan, who founded MCI 26 years ago. "MCI Foundation is dedicated to giving universities and institutions help wherever we can in education and promoting communications," Gerdelman said.

Thanks to the MCI grant, which helped to provide network services, a student working on a computer in Tercentenary Hall will be able to register for classes, conduct research from the Commonwealth's new Virtual Li-

brary, access resources in Swem Library, send mail to colleagues, faculty and parents, check class assignments on the College World Wide Web server or "surf" the Internet—all without leaving the building.

IBM Corp. donated furnishings for the new physical sciences building, including computer terminal tables, science lab benches and suites of furniture. Bruce Patterson '80, who is External Programs Manager, Mid-Atlantic Sales, for IBM, said the donation gift fit in well with IBM's strategic imperatives.

"Our success depends on a high caliber of education and William and Mary is one of these institutions that we view as producing competitive candidates," Patterson explained.

"We firmly believe that the quality of the employees we have is dependent on the quality of the institutions of higher education."

Shin-ichiro Nagashima, chairman and CEO of Canon Virginia

Inc., which equipped a computer science instructional laboratory at Tercentenary Hall and helped underwrite construction costs, also mentioned the critical link between education and the corporate world.

"We at Canon Virginia understand the importance of scientific knowledge to the future leaders of business and industry," Nagashima said. "Therefore, we are pleased to be of assistance to students who pursue this field of study."

Major donors have been recognized with a bronze plaque in the front entrance foyer of the building.

"Our individuals and corporate donors have not only been generous," Sullivan said in closing Friday's dedication ceremony. "They do not just help the College. These people helped make sound investments.

"To all of those who contributed, we acknowledge you with gratitude and joy."

Peggy Shaw

making headlines

Computer Science Students Win Programming Contest

The student chapter of the Association for Computing Machinery in the Department of Computer Science sponsored a local programming contest on Oct. 21.

Junior Joel Winstead won the competition, while seniors Neal Cardwell and Brian Dewey came in second. The three students will now participate in the regional programming contest on Nov. 11.

Last year's programming team placed seventh out of 64 teams in the regional contest.

Surplus Auction To Be Held Nov. 9

The College and Eastern State Hospital will conduct an auction of surplus equipment on Thursday, Nov. 9, at the Eastern State Hospital, Building #22.

Surplus equipment that will be auctioned includes miscellaneous copiers, and a variety of computer, scientific and office equipment.

Viewing for the auction will be Nov. 9 from 8 to 9 a.m.

For more information, call Property Control at ext. 12052.

Colonial Echo Ready For Distribution

Members of the College community are invited to pick up copies of the *Colonial Echo* outside Room 9 in the Campus Center.

Healy Awarded Predoctoral Fellowship

The Howard Hughes Medical Institute recently awarded Vicki Healy '95 one of 80 five-year fellowships for students pursuing doctoral degrees in the biological sciences.

The fellowships enable promising young scientists to receive advanced training in biomedical research. Healy's award is for her graduate studies in biochemistry and structural biology at Harvard University.

AFIO Announces Scholarships

The Association of Former Intelligence Officers announces the offering of the second annual Lieutenant General Eugene F. Tighe Jr. USAF Memorial Scholarships for full-time graduate and undergraduate students attending colleges and universities in the United States.

Each scholarship, in the amount of \$1,000, is awarded based on the judged quality and suitability of a 1,000- to 1,500-word essay on a stipulated topic within the general area of intelligence and national security. The 1996 topic is: Given advances in technology, the increasing availability of open source information and other factors, should U.S. government intelligence agencies recruit foreign spies?

Applications are available in the Office of Student Financial Aid, Blow 218, or by writing ADIO, San Diego Chapter 1, c/o Secretary Tighe, 2727 De Anza Road, M-25, San Diego, CA, 92109. Application and essays must be postmarked no later than Jan. 5, 1996.

FOR SALE

Outer Banks vacation home, Corolla, N.C. Built 1989. 5 BRs, sleeps 12, 3 baths (2 with whirlpool/shower). Fully furnished and decorated. Well-equipped kitchen, ceramic tile, hardwood floors, juniper wainscot, quality carpet and furniture, skylights. Very good ocean view, 150 yds. to beach. Hurricane-rated rolling shutters. Excellent condition. Ready for immediate occupancy. \$273,000. Call ext. 13889.

1985 dark blue Isuzu Impulse, 3 doors, AC, power windows, 94,000 miles, excellent condition. Inspection good to May 1996. Must sell. Call 259-0160.

'86 Mazda 626, 4-door, AT, AC, AM/FM, cassette. Excellent condition. \$1,900. Call 229-2015.

1986 Mazda RX-7. New tires (aqua tread), new muffler, new battery, new catalytic converter, fresh anti-freeze, security system, AC (blows cold), rear window defrost, automatic transmission, sun roof, 20 mpg. \$3,995. Call ext. 12342 or 220-0451 after 7 p.m.

Motorcycle—1983 Suzuki GS650L, runs great, inspected, great first bike, manual and extras. \$1,100 or best offer. Call 565-0190.

HP Deskwriter (inkjet printer, 300 dpi quality) for Macintosh PCs. Comes with cable and cartridge, \$169. 2400 baud modem with cable, free with printer purchase. Call 221-2879.

Brand new Weslo Cardioglide exerciser, \$100 (1/2 list price); 6' blue double reclining

classified advertisements

Classified ads are included as a service to members of the College community and will be accepted from faculty, staff, students and alumni only. Only one ad per person per issue is permitted and should be no longer than 40 words. Ads must be submitted no later than 5 p.m. on the Friday preceding News publication. Send ads in writing to the William and Mary News office or via electronic mail to wmnews@mail.wm.edu. Ads will run one week only with an option to renew for one additional week. No ads or requests for renewal will be accepted over the phone. For more information, call the News office at ext. 12639.

sofa with pull-down center table section, reduced to \$125; five hand-made patchwork pillows, \$20. All in excellent condition. Call Cathy at ext. 12362.

Rainbow SE. Brand new, never been used. \$1,300. Call 566-1663 after 5 p.m.

Sofa—recently upholstered, three cushions, heather blue, maple frame. Price neg., based on pick-up or delivery. Call Amanda at 220-8353.

FOR RENT

Small BR with private bath, furnished or unfurnished, \$325/mo. + 1/2 utilities, available immediately, prefer female senior/grad, but negotiable. Home has hardwood floors, porch, lots of parking, AC, microwave. Located 3 blocks from stadium on Brooks St. Call 565-0190 evenings.

Campus Court: 2-BR, 2-bath condo. Washer/dryer, dishwasher, great location near

law school. Available for sublet Dec. 15 through June 30. \$675 per month. Call 564-9209.

WANTED

Student to help two children, 3rd and 4th graders, with homework on Tuesdays, Wednesdays and Thursdays. Must have own transportation. Call Sharon at 220-0096.

SERVICES

Officially licensed William & Mary apparel and gifts discounted 20% with W&M ID (non-sale merchandise) at the Campus Shop, 425 Prince George St.

MISCELLANEOUS

Earn free toys for Christmas. Host a Discovery Toy demonstration party in your home and get free products. Discovery Toys offers the most outstanding developmental toys, books and games. High quality products. For more information, call Jennifer at 566-3965.

Governor Gives Employees Extra Holidays

In compliance with the Nov. 1 directive from the governor regarding upcoming holidays, the College of William and Mary has modified the holiday schedule for full-time employees as follows:

THANKSGIVING

Offices will officially be closed at noon on Wednesday, Nov. 22, and remain closed through Friday, Nov. 24.

CHRISTMAS

Offices will officially be closed at noon on Friday Dec. 22. As previously scheduled the College will be closed Monday, Dec. 25, 1995 through Monday Jan. 1, 1996

Two additional days will be granted which you may use at any time during calendar year 1996, including in conjunction with the 1995 Christmas holidays. In order to ensure offices are adequately staffed and services are not disrupted, you must receive approval from your supervisor prior to tak-

ing these days. This holiday leave is granted in addition to your annual leave and will not be counted against your regular leave bal-

ances. However, if you do not take the two additional days in 1995 or 1996, you will not be able to carry them over to 1997.

employment

The following positions at the College are open to all qualified individuals. Those wishing to apply must submit a Commonwealth of Virginia application form (and resume if they wish), which includes applicant's social security number, to the Office of Personnel Services, Thiemes House, 303 Richmond Road, by no later than 5 p.m. on the deadline date. For application deadlines and additional information, call ext. 13167.

Informational interviews will be held in the Office of Personnel Services from 9 a.m. to noon on Thursday of each week.

The College will make a reasonable effort to accommodate persons with disabilities in the application, testing and/or interview process. If possible, please contact Debby Rorrer, ext. 13155, at least three days in advance of the need for accommodation.

The following positions have been released from the state hiring freeze. They are hourly positions that do not carry benefits.

Office Services Assistant—\$6.91 per hour, approximately 30 hours per week. #H0710X. Location: Student Activities.

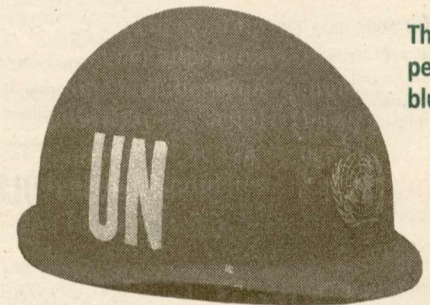
Office Services Assistant—\$6.91 per hour, approximately 30 hours per week. #H0709X. Location: McCormack-Nagelson Tennis Center.

The following positions have been released from the state hiring freeze. They are regular full-time positions that do carry benefits.

Laboratory Specialist Senior (Grade 9)—Entry salary \$22,426. *Restricted appointment with funding subject to renewal June 30.* Occasional overtime and weekend work may be required. #00143X. Location: VIMS (Physical Sciences).

Laboratory Technician Senior (Grade 5)—Entry salary \$14,688. *Restricted appointment with funding subject to renewal March 31.* Hours variable and often related to the tide; some weekend work will be required. #00067X. Location: VIMS (Eastern Shore Lab, Wachapreague, Va.).

Langholtz Heads U.N. Training Initiative



The peacekeeper's blue helmet

CONTINUED FROM PAGE 1.

on a wide variety of U.N.-related topics.

A recognized international expert drafts each course. Langholtz, who specializes in decision theory, supervises the conversion into a training document.

"How to deliver a standard, inexpensive system of training to peacekeepers has been problem that we've been dealing with for some time," said Langholtz, who served on the U.S. delegation to the U.N. from 1991 to 1993. "These training modules enable the peacekeepers to train themselves anywhere in the world and at their own pace."

Last month, Langholtz briefed

Madeleine Albright, U.S. ambassador to the U.N., on the status of the project. They also discussed the need for continuing the program and future areas of development.

Since it began, the scope of Langholtz's operation has been rather limited largely due to funding. The U.N. also can't require member nations to use the manuals. "It's up to the individual nations to decide the usefulness of the training material," said Langholtz.

About 250 peacekeepers from 27 member U.N. nations are presently enrolled in the voluntary courses.

Stase Michaels, who earned her master's in psychology last year at the College, does most of the actual editorial work on the modules. She and Langholtz also develop assessment tools to measure the competency of U.N. peacekeepers who takes the courses.

Each training manual runs about 100 pages in length and includes lessons with identified objectives and background information. Self-administered quizzes are also included in the training modules which the William and Mary Bookstore has helped to distribute.

At the end of a course, U.N. students take an examination. Junior Kristen Hampton, a psychology concentrator, grades the exams and notifies the peacekeepers of the outcome.

Most of the courses focus on topics that aren't time sensitive, such as the history of U.N. peacekeeping operations during the Cold War. But for the module on the former Yugoslavia, Langholtz has found it particularly difficult

to keep it current.

"By the time we had the course drafted and edited, it was out of date," said Langholtz. "The status of the conflict and even maps of the region are changing all the time."

Another challenge with this particular training manual was defining the rules of engagement for peacekeepers. The U.N.'s mission in the former Yugoslavia is not clearly defined and few precedents exist for stationing U.N. peacekeepers in the middle of a conflict, said Langholtz.

Langholtz sees no end in sight for the project. "The U.N. takes on some of the world's most difficult and challenging projects," he said. "Unfortunately, there are no easy solutions."

But added Michaels, "At least with this project, we can make a small contribution to world peace."

WILLIAM & MARY NEWS

The next issue of the *William & Mary News* will be published on Wednesday, Nov. 15. Deadline for submission of items is 5 p.m. on Friday, Nov. 10, although submissions prior to the deadline are encouraged. Call ext. 12639 with any questions or concerns.

The *William & Mary News* is issued throughout the year for faculty, staff and students of the College and distributed on campus Wednesday afternoons.

News items and advertisements should be delivered to the *News* office in Holmes House, 308 Jamestown Rd. (221-2639), faxed to 221-3243 or e-mailed to wmnews@mail.wm.edu, no later than 5 p.m. the Friday before publication.

Poul E. Olson, editor

Marilyn Carlin, desktop publishing

C. J. Gleason/VISCOM, photography

Stewart Gamage, vice president for community relations and public service

Shawn Holl, proofreader

calendar

PERFORMANCES

Nov. 2

The William and Mary Choir, under the leadership of Frank Lendrim, performs at Menchville High School in Newport News at 8 p.m. The Botetourt Chamber Singers will also sing. Tickets are \$4 at the door.

Choir members are raising money for several projects, among them the choir's seventh European tour in 1996. Fund-raising projects include the sale of Christmas cards and notecards, and the choir's latest recording, "Beneath Thy Trees," which can be purchased at concerts and the College bookstore. For information, call 221-1085.

Nov. 3 and 4

The Covenant Players present their annual Broadway Revue at 8 p.m. in Chesapeake Rooms A & B, University Center. The show includes musical favorites from classic and contemporary Broadway shows. Tickets will be available at the door and all proceeds will benefit local charities.

Nov. 10

The William and Mary Jazz Ensemble, a 21-piece big band in its sixth year at the College, presents its fall concert at 8 p.m. in the Commonwealth Auditorium, University Center. Admission is \$2 at the door. Call 221-1086.

Nov. 10

The William & Mary Early Music Ensemble presents a concert of Renaissance music at 8 p.m. in the Wren Chapel. The ensemble will perform music by 15th- and 16th-century German composers for Advent, Christmas and Epiphany using historical reproductions of 16th-century wind and string instruments, including recorders, Renaissance flutes, kortholts, krummhorns and viola da gamba. Call 221-1953.

Nov. 16, 17, 18 and 19

Performances of W&M Theatre's main stage production "The Dining Room" are at 8 p.m. in Phi Beta Kappa Memorial Hall on Nov. 16, 17, 18 and at 2 p.m. on Nov. 19.

The production features a few actors playing several dozen different people of all ages in a clever comedy about family relationships. Some of them are friendly, others cranky, some strangers, others related, but all confront new systems of values that deny their old assumptions. The action takes place in one dining room, which the author establishes as the center of American life—and struggles.

Admission is \$5. Tickets are available at the PBK box office beginning Nov. 13, from 1 to 6 p.m., Monday through Friday; from 1 to 4 p.m. on Saturday; and one hour before all performances. The box office number is 221-2674.

SPEAKERS

Nov. 2

Glenn Schwarz, a near-eastern archaeologist from Johns Hopkins University, speaks at the fall lecture series of the Williamsburg Chapter of the Archaeological Institute of America at 7:30 p.m. in Andrews 101. His topic will be "Excavations at Umm El-Marra: A Syrian Urban Center and Its Interaction with the Egyptians, Hittites and Amorites." Call 221-5289.

Nov. 2 and 9

Town & Gown luncheons continue in the Chesapeake Room, University Center. A chider reception at noon is followed by a lunch buffet at 12:20 p.m. On Nov. 2, John Strong, associate professor of business administration, speaks on "Recent Developments in Chinese Economic Reforms" at 12:50 p.m. "Does the Supreme Court Matter?" will be Professor of Law Neal Devins' topic on Nov. 9. Cost of the luncheon is \$7 (\$5 for faculty/staff) and reservations are required. Call 221-2640 before noon on the Tuesday preceding the luncheon.

Nov. 3

"Major Greenwood vs. Almroth Wright: Contrasting Visions of 'Scientific' Medicine in Edwardian Britain" will be the subject of a talk by Professor Rosser Matthews for the W&M Philosophy Club, at 4:30 p.m. in Washington 317. For information, call Paul Davies at ext. 12713.

Nov. 9

The medieval and Renaissance studies program announces an illustrated lecture, "The Magic of the Middle Ages: Medieval Manuscript Treasures of Glasgow University Library," by Timothy Hobbs, keeper of special collections, Glasgow University Library.

Nov. 10

William Galperin of Rutgers University speaks on "Jane Austen and the Trial of Jane Leigh Perrot," at 4:15 p.m. in Tucker 120. For information, call Adam Potkay at ext. 13918.

Nov. 14

Behrooz Ghamari-Tabrizi, assistant professor of American studies, speaks on "Islamist Social Movements and the Post-Modern Condition" as part of the Commonwealth Center brown bag lecture series. Her talk begins at 12:30 p.m. in the College Apts. seminar room. Call 221-1277.

COLLOQUIA

Nov. 1

"An Introduction to the Mathematical Physics of Jet Noise with a Focus on Meeting the U.S. High Speed Civil Transport Jet Noise Challenge" is the topic of a lecture by Craig Hunter of the Joint Institute for Advancement of Flight Sciences, NASA Langley Research Center, and a doctoral candidate at George Washington University. The lecture is part of a mathematics colloquium beginning at 3 p.m. in Morton 341. Call 221-2022.

Nov. 3



Pictured, l-r, sophomores Andrew Clark and Kelly Bresnahan and senior Tracy Larson, characters in "The Dining Room."

"Generating Synthetic Worlds" (a primer on virtual worlds in computer graphics) is the topic of a lecture by F. Kenton Musgrave, George Washington University, at 3:15 p.m. in Tercentenary Hall 020. His lecture is sponsored by the student chapter of the Association for Computing Machinery in conjunction with the computer science colloquium series.

Nov. 10

A psychology department colloquium at 3:30 p.m. in Millington 211 will feature Dan L. Tweed of the Department of Psychiatry and Behavioral Services at Duke University Medical School, speaking on "Problems in the Assessment of Clinical Depression in Elderly Populations: Limitations on the Use of Structured Population Interviews." Call ext. 13872.

Nov. 14

Jerome Handler of the Virginia Center for the Humanities and Public Policy, will speak on "Aspects of Barbadian Slave Life" at the Institute of Early American History and Culture colloquium at 7:30 p.m. in the Institute library on the ground floor of Swem Library. Call 221-1114.

SEMINARS

Nov. 10

Keith Chenault from the University of Delaware will speak at the chemistry department seminar at 3 p.m. in Rogers 100. His topic will be "Carbohydrates, Amino Acids and Peptides: Studies of Biological Molecules." Call 221-2540.

FILMS

Nov. 1, 7, 8, 14 and 15

"Species" will be shown on Nov. 1, followed by "Batman Forever" on Nov. 7 and 8 and "Mediterraneo" on Nov. 14 and 15. All films are shown at 8 p.m. in the University Center auditorium. Admission is \$2.

REC SPORTS

Nov. 10

Join W&M Rec Sports at the Norfolk Scope and watch the Hampton Roads Admirals play Roanoke. \$17 ticket includes transportation, game ticket and Domino's pizza. Call 221-3310 for additional information.

SPORTS

Nov. 11

Football vs. Richmond, Zable Stadium, 1 p.m.

Nov. 7

Basketball vs. CAA Touring Team, W&M Hall, 7:30 p.m. (exhibition game)

Nov. 15

Basketball vs. Court Authority, W&M Hall, 7:30 p.m. (exhibition game)

MISCELLANEOUS

Nov. 2, 3

The sixth annual Resource/Collaborating Teaching Symposium, sponsored by the School of Education, is scheduled for the Williamsburg Marriott. Organized by Dean Virginia McLaughlin, Associate Professor Lori Korinek and Assistant Professor Chriss Walther-Thomas, the symposium will focus on serving students with disabilities in general education settings. On the schedule are workshops, round-table discussions, general sessions and two keynote speakers: Marilyn Friend, nationally respected educator and author on collaboration; and Fred Orelve, director of the Virginia Institute for Development Disabilities at VCU. For additional information, call 221-1992.

Nov. 3, 10 and 17

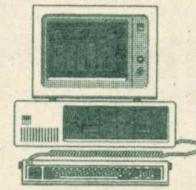
The Marshall-Wythe Law School has scheduled information sessions for prospective applicants to discuss admission procedures and the law school in general. Participants will "gain the student perspective" from student body representatives, tour the law school and view a typical 50-minute class. The three-and-a-half-hour sessions will begin at 9 a.m. (check-in). For information, call the admission office at 221-3785.

Nov. 4 and 11

The Muscarelle Museum is holding children's workshops on two Saturdays in November. On Nov. 4, "Art and Poetry," for ages 10-14, will be held from 1 to 3 p.m. Two workshops will be held on Nov. 11: a parent/child workshop, "Pre-School Printers," for ages 4-6, will be from 10 to 11:30 a.m.; and "Making Prints Is Easy," for ages 7-10, will be from 1 to 3 p.m. The cost is \$8 per workshop (\$5 for members) and there are scholarships available in case of financial need. For information or registration, call 221-2710.

Nov. 5 and 19

The physics department will hold open house at 7 p.m. in the observatory on the third floor of Small Hall, weather permitting. For additional information, call John McKnight at ext. 13521.



TRAINING FOR COMPUTER AND INTERNET USERS OFFERED BY TECHNOLOGY SERVICES, SWEM LIBRARY

Technology Services is offering the following computer workshops:

- Nov. 8 - Introduction to Quattro Pro for Windows, \$60
- Nov. 10 - Introduction to Paradox for Windows, \$60
- Nov. 15 - Introduction to Microsoft Windows, \$50
- Nov. 17 - Introduction to WordPerfect for Windows, \$50
- Nov. 29 - WordPerfect for Windows, Large Document Assembly Feature, \$30
- Dec. 1 - WordPerfect for Windows, Graphics Features, \$30

All workshops will be held in the computer lab, Morton 244. For additional information, call Loretta Early at ext. 12982.

Training sessions on Internet access tools will be offered on Nov. 7 in the classroom on the ground floor of Swem Library. Scheduled topics are:

9 a.m. Lynx and the World Wide Web

10 a.m. P-mail - E-mail for PC users

11 a.m. LION - Character-based interface to the College libraries

1 p.m. Mac and the Internet

2 p.m. Lynx and the World Wide Web (same as 9 a.m. session)

For additional information, contact Jim Rettig at jrrett@mail.swem.wm.edu or ext. 13058.



Nov. 8

The public is invited to a demonstration of framing and matting techniques by John Frederick Rich, museum preparator, from 5 to 6 p.m. at the Muscarelle Museum. Simple techniques will be explained, ideal for art students, parents and those with a collection of posters in rolls. Hand-outs will be provided. The cost is \$2. Call 221-2710 to register.

Nov. 9

The Office of Property Control and Eastern State will hold an auction of surplus equipment beginning at 9 a.m. at Eastern State Hospital, Building #22. Viewing of the items to be auctioned is from 8 to 9 a.m. For more information, call Property Control at ext. 12052.

Nov. 12

The Hourly And Classified Employees association (HACE) meets at 1 p.m. in Tidewater A, University Center.

Nov. 13 and 14

Students and staff are invited to audition for Chekov's "The Cherry Orchard," the third production of the William & Mary Theatre season scheduled to run February 22-25. Cast members include five women, six men and four extras (willing to dance). Special needs are a male actor who plays guitar. Auditions are from 5 to 8 p.m. in Phi Beta Kappa Memorial Hall, by appointment. Sign-up sheets are posted on the large bulletin board in PBK. Call 221-2660.

Nov. 14 and 29

President Sullivan will host luncheons at the President's House to give students an opportunity to meet with him informally in groups of 10. Lunch will begin at noon and last about an hour. Students are asked to sign up for these luncheons by contacting Gail Sears at 221-1693 (gbsear@facstaff.wm.edu), Brafferton 10.

Nov. 30

President Sullivan has reserved office hours especially for students to discuss issues that concern them (or just to chat). These hours—President's Open House—have been scheduled from 4 to 5 p.m. Individual students or small groups may reserve a 10-minute appointment through Gail Sears (gbsear@facstaff.wm.edu), Brafferton 10, 221-1693.

DEADLINES

Nov. 20

Canned or dry goods (stuffing mix, cranberries, canned vegetables, etc.) should be dropped in collection boxes at Swem Library, the Univer-

sity Center, the Campus Center and the Brafferton for the HACE Holiday Projects Committee Thanksgiving food drive. If you wish to make a monetary gift or need more information, call Selma Blair at ext. 13108, Violet Chalkley at ext. 12617, Ruth Graff at ext. 11252 or Sandy Wilms at ext. 11257. Checks should be made payable to HACE.

EXHIBITS

Through Dec. 3

"African-American Works on Paper," a special exhibition on loan from the Cochran collection in La Grange, Ga., reflects the spirit, culture and creativity of African-American artists who have worked since the 1930s. It includes prints, drawings, paintings and mixed media pieces by such artists as Alma Thomas, Romare Bearden and Jacob Lawrence.

COMMUNITY

Nov. 8

The Heisman Gallery of Ardmore, Pa., is presenting an art show and auction, sponsored by the Williamsburg Soccer Club, with proceeds to fund a spring England tour for the soccer club's U-15 Wizards and U-13 Patriots. The auction begins promptly at 7 p.m. in St. Bede's Parish Center. Oils, watercolors, prints, sculpture and enamels will be offered at prices substantially below gallery prices and may include works by Neiman, Picasso, Erte, Wyeth and more. A preview of items to be auctioned begins at 6 p.m. Tickets, which include admission, wine and hors d'oeuvres, are \$10. Patrons may purchase six tickets for \$50. For tickets or information, call Pat Hausman at 221-3539 or 565-1499.

THE COLLEGE OF WILLIAM AND MARY

JAZZ IN CONCERT ENSEMBLE

MURA REXROTH, CONDUCTOR

FRIDAY, NOVEMBER 10

8:00 p.m.

Phi Beta Kappa Memorial Hall

The College of William and Mary

Admission \$2.00 at the door