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A Newspaper for Faculty, Staff and Students

Wednesday, June 19, 1996

Getting all WIRED^{UP}

\$4-million project underway to connect residence halls to campus's high speed computer network

William and Mary takes a big step forward this summer in its drive to make wider use of technology. Early this month, work began to wire all residence halls to the campus's high speed computer network.

Projected to be completed by late this fall, the \$4-million project is part of wider campus initiative to connect all buildings to the new high speed computer network.

Completion of this phase of the project will have far reaching implications, for both William and Mary's competitiveness and its potential to integrate technology into the academic experience.

President Timothy Sullivan and Provost Gillian Cell decided earlier this year to push up the time frame for wiring the residence halls. "In light of the need

to keep competitive in attracting students, we felt that we couldn't afford putting this project off," said Cell, who envisions wide academic and also administrative benefits once the campus is fully wired.

Currently, Mary Washington College is the only state university that provides its resident students with high speed network access from their dormitory room.

"This network will have a transforming effect in many ways," said Cell. "It will enhance the way we operate the academic program. It will also bring efficiencies to administrative operations, particularly providing us the means to reduce the flow of paper."

The College's World Wide Web site will likely form the focus of efforts to make wider use of technology, according to Direc-

tor of Telecommunications Katherine Green. Faculty, she said, will have the opportunity to use the network for a variety of instructional purposes. She pointed to Georgia Tech whose faculty administer quizzes and tests electronically as an example of the potential uses for the new network. Other internal or Intranet applications could be developed to streamline administrative operations. Filing leave slips or checking leave balances, for example, could feasibly be done from a desktop office computer.

"Under the old network, we couldn't even think about developing many of these applications," said Green. "The sky's the limit as far as the capability we'll have with this new infrastructure."

The College has contracted with College and University Com-

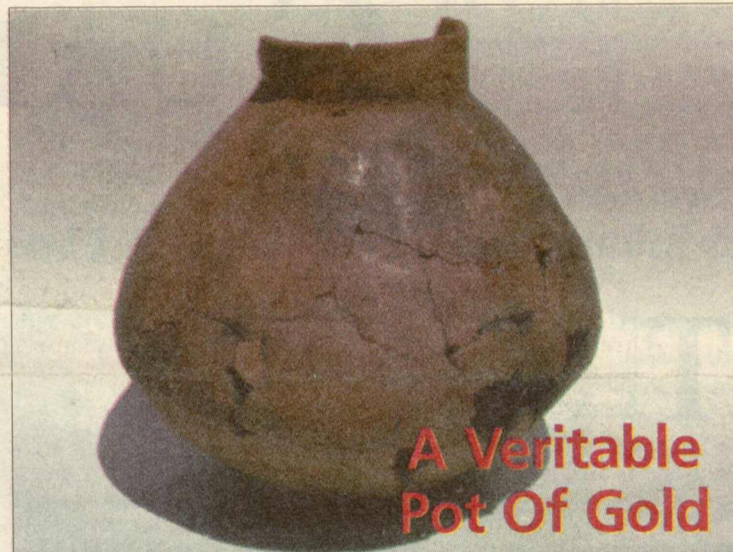
puters of Williamsburg to handle support for students who need to make their PCs compatible with the campus network. The company will occupy space in the University Center formerly held by The Copy Connection.

Negotiations are also underway with Apple Computer to designate College and University Computers an official Apple dealer. Pending the final agree-

ment, Green said faculty, staff and students should have the opportunity to purchase Macintosh computers at a discounted price through the dealer.

In conjunction with the wiring initiative, coaxial cable for cable television is also being run to all dormitories, academic and administrative buildings. This

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A Veritable Pot Of Gold

The national press recently swarmed on a discovery by Mary Voigt, associate professor of anthropology. Digging in the kitchen of a mud-brick farmhouse in western Iran, Voigt uncovered a 2.5-gallon, 7,400-year-old clay Sumerian jug (above). Chemical analysis of residue at the bottom of the container revealed it had previously contained wine, the oldest known evidence of winemaking in the world. See pg. 2 for more.

Photo courtesy of University of Pennsylvania Museum



NPGI founder Bob Sharpe

A Sharper Approach To Gift Planning

Sharpe and Co., remembered that admonition when he gave William and Mary the National Planned Giving Institute three years ago to fund an endowed professorship in philanthropy in the American Studies Program. Under an agreement with the College, the program has to generate \$600,000 in income over six years or Sharpe and his wife Jane, for whom the professorship is named, make up the difference. The Eminent Scholars Program matches an equivalent amount of income, which will in effect endow the professorship at \$1.2 million.

In just three years, the program is well on the way to reaching its goal. With 15 weeks of semi-

nars a year at William and Mary, Memphis and Colorado Springs, the NPGI produces income for the College of about \$125,000 a year.

The gift of NPGI not only fulfills Sharpe's wish of "giving some-

"When qualified givers really understand your vision they will be motivated to give."

thing back to society," but enables Sharpe to train future charitable gift planners for generations to come. Sharpe emphasizes that he does not refer to his students as fund raisers, a term he actually dislikes, but as gift planners.

"We are sometimes referred to as a contrarian voice in the field," says Sharpe, who teaches

his students that "giving is a voluntary act," and consequently it is *not* fund raising.

Says Sharpe, "we teach that when qualified givers really understand your vision they will be motivated to give."

That tenet, in fact, worked for William and Mary when Sharpe decided to give NPGI to the College. He had become familiar with the College and its mission while holding seminars for 10 years at the Hospitality House and liked what he saw. An initial contact with the Office of Continuing Studies

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Archibald Appointed Interim Dean

Robert Archibald, professor of economics, has been appointed interim dean of arts and sciences effective July 1, pending approval by the Board of Visitors at its meeting on June 27.

Archibald received his master's and doctoral degrees from Purdue University. He came to the College in 1976 as an assistant professor.

Archibald's fields of concentration are macroeconomics, applied microeconomics, and the economics of energy, and he has published widely in these areas. He has served as a research fellow at the Brookings Institution and an economist at the U. S. Bureau of Labor Statistics.

news makers



The shrimp species, *Synalpheus regalis*, behaves much like bees. A single queen (center) does all the reproducing while individuals protect her and care for the colony.

Profs' Research Makes National Headlines

The research of two College professors, J. Emmett Duffy, assistant professor of marine science, and Mary Voigt, associate professor of anthropology, made national headlines June 6.

The Washington Post gave front-page coverage to a finding by Duffy that a species of shrimp exhibits a highly evolved social system similar to that seen in bee

hives. Duffy discovered that "snapping shrimp," found off the coast of Belize, organize themselves into a specialized hierarchy in which most individuals don't reproduce. Instead, a large "queen" shrimp does all the reproducing while hundreds of genetically identical shrimp siblings protect her and the colony and care for one another.

That this species of shrimp

exhibits this socially cooperative behavior is believed to be the first evidence of "eusociality" among marine animals. This complex form of behavior is typically only seen in insects such as bees, wasps and termites, and a handful of animals.

The Associated Press also reported that Voigt and a colleague at the University of Pennsylvania Museum had discovered the old-

est evidence of wine in residue at the bottom of a 7,000-year-old pottery jar excavated in the Zagros Mountains of Iran. The finding pushes the beginning date of winemaking back by about 2,000 years.

Both Voigt's and Duffy's findings also appeared in the June 6 issue of the journal *Nature*.

Changing of the GUARD

New director, deans named to Muscarelle Museum, Arts & Sciences

Three appointments, pending approval by the Board of Visitors, have been made this month at the Muscarelle Museum and in the School of Arts and Sciences.

Muscarelle Director Arrives Aug. 1

Bonnie Kelm was 13 years old

when she got her first glimpse of the College of William and Mary the way most youngsters do—as a visitor to Colonial Williamsburg. On Aug. 1, Kelm returns to Williamsburg, and the College, not as a visitor but as director of the Joseph and Margaret Muscarelle Museum of Art.

Kelm has been director of the Miami University (Ohio) Art Mu-

seum since 1988. A native of New York City with a master's degree in art history from Bowling Green State University and a Ph.D. in art education from Ohio State University, Kelm said she was drawn to William and Mary because of the "collegial working environment," and the sense that faculty, staff, students, and administrators regard the Muscarelle as a jewel on the new campus.

"A university museum is truly a wonderful resource and asset for any campus, and what I was looking for was a general respect and feeling of significance of the museum," said Kelm. "I felt that everybody on the William and Mary campus really knew about the museum and wanted it to continue to develop."

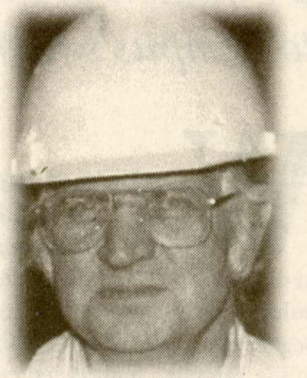
Just how the 13-year-old museum will develop during Kelm's tenure has not been decided. The new director plans to spend her first few months on campus getting familiar with the 3,500 original prints, sculptures, drawings, paintings, photographs, and decorative art works that make up the Muscarelle collection. She also plans to spend time listening to suggestions and "scouting out the environment."

Kelm said she would like to work with the Marshall-Wythe School of Law on exhibitions and programs that deal with the relationship between art and the law, and will explore the possibility of bringing in businesses as regular museum patrons. At Miami, for example, Kelm created and developed a successful "Business & Art Partnership Plan" for the organization's membership program.

She would also like to see the museum become more involved with students, as well as



Bonnie Kelm



Franz Gross

"intergenerational audiences."

Kelm's credentials for her new position are impressive: Fulbright scholar in 1988; founding director of the Bunte Gallery, Franklin University in Columbus, Ohio; and winner of numerous awards.

Kelm will replace Mark M. Johnson, who left William and Mary in August 1994. Muriel Christison, a visiting professor of art and art history at the College, has served as acting director.

Gross Named Grad Dean

"I come from an environment in which research is well integrated with teaching," says Professor of Physics Franz Gross, who has been nominated to be dean of research and graduate studies in the arts and sciences. Fostering productive partnerships between teaching and research is clearly near the heart of the physicist's professional philosophy, and since coming to the College in 1970, Gross has initiated many graduate and undergraduate students into the intricacies of nuclear and particle physics research.

"At William and Mary, we all recognize and acknowledge the primacy of teaching, but research is an accompanying responsibility that strengthens and enlivens classroom activities," observes Gross. "One of the keys to this develop-

ment is the mentoring relationship that is often established between professor and student, and we will do what we can to foster those relationships—both at the graduate and the undergraduate level."

In addition to this central goal, Gross is committed to enhancing the environment for graduate studies and to increasing the support and recognition for arts and sciences faculty members who undertake research. This is an especially critical task, the physicist observes, given the decline in federal support for research.

"Obviously, individual faculty members will continue to play the leading role in identifying and contacting prospective sources of research support," says Gross, "but we want to give them as much support as possible. We could certainly help them make contacts in concert with the Office of Development."

Gross is himself an active researcher, and since 1980, he has

"I come from an environment in which research is well integrated with teaching."

—Franz Gross

Governor Extends Independence Day Holiday

In order that state employees may have time to travel and enjoy the Independence Day holiday, Gov. Allen has designated Friday, July 5, as an additional state holiday. Therefore, the College and Virginia Institute of Marine Science will observe Independence Day on Thursday, July 4, and Friday, July 5.

Classes will not be held on Thursday, July 4; however, **classes will be in session as scheduled on Friday, July 5.**

Most administrative offices and the facilities management department (except for those employees required to maintain essential services as determined by department heads), will be closed. Work schedules for those departments required to support essential services will be made by the dean, director or department head, as appropriate, and should be communicated to the employee(s) as soon as possible. The Campus Police department will maintain its regular schedule.

The names of permanent classified employees who are required to work must be reported in writing to the Office of Personnel Services no later than July 16, 1996, in order that these employees may be credited with compensatory leave. Hourly employees who are required to work during the holiday will be paid their regular hourly rates.

With the approval of department heads, compensatory leave should be taken as soon as possible after the holiday on which it was earned. Compensatory time not taken within 12 months will be lost.

held a joint appointment at the College and the Jefferson National Accelerator Facility (formerly CEBAF). His area of interest is nuclear and particle physics, with

CONTINUED ON PAGE 6.

making headlines

Area Code Changes July 1

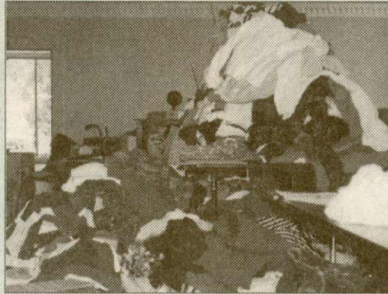
The area code for Williamsburg will change from 804 to 757 on July 1. The College advises departments to have letterheads, business cards and other printed materials revised as soon as possible.

The 804 area code will work concurrently with the 757 area code until Feb. 1, 1997.

For more information, call the Office of Telecommunications at ext. 11780.

Annual Goodwill Collection Proves An Overwhelming Success

Departing students gave an overwhelming display of their commitment to public service by filling Trinkle Hall last month with items for the needy.



Piled high: items donated by students nearly filled Trinkle Hall.

The end-of-year drive, sponsored by the Offices of Student Volunteer Service and Recycling, proved so successful that there wasn't enough manpower available to process all the items, including clothing, furniture, carpets, nonperishable foods, bicycles, books, several small refrigerators, microwaves and a word processor.

Donation boxes located in residence halls served as collection points. The recycling office picked up bulkier items.

"The growing success of this program is directly related to the increased sensitivity of William and Mary students to the needs of others," said Kevin McCoy, coordinator of student volunteer service.

Added Recycling Coordinator O'Neal McGregor, "Believe it or not, our biggest problem was that there were too many large items like furniture, and not enough manpower to handle it all, especially at a busy time like exams."

Donations from the collection were distributed among various community organizations, including Eastern State Hospital, FISH, the Salvation Army, Avalon, People's Place and the William and Mary Child Care Center. More than 41 crate-size boxes of clothing and food were donated to FISH alone.

Some of the materials were later resold by agencies that received goods. Eastern State Hospital raised almost \$750 through the hospital's annual yard sale due to the College's contributions.

WEB Program For Career Planning Wins Charette National Award

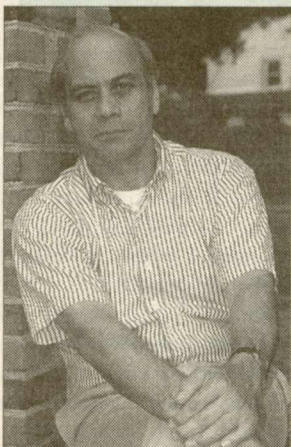
Director of Career Services Leo Charette recently won a major national award and \$1,000 from the Chevron Corporation for developing The Catapult, a World Wide Web program designed to propel graduates toward rewarding careers.

The Catapult offers advice about how to search for jobs, job listings direct from major employers, and tips about how to write effective resumes and interview successfully. Since Charette developed the program, it became so popular that it has been

adopted by the National Association of Colleges and Employers, and is available to all users of the Internet and the World Wide Web.

The Catapult is available on the World Wide Web at the following address: <http://www.jobweb.org/catatapult/catatapult.htm>.

A similar service is available on the William and Mary server and may be visited at the following address: <http://www.wm.edu/csrvcareer>.



Leo Charette

ECONOMIC DEVELOPMENT

ARC Positions College For Expected High Tech Boom

Research facility is centerpiece of partnership between Applied Science program and high tech industry



The \$14-million Applied Research Center in Newport News

Timothy Sullivan and two other college presidents joined a coalition of civic and business leaders from around the state May 9 in Newport News for the groundbreaking of a high technology research facility.

The 121,000-square foot Applied Research Center (ARC) will be located in a proposed 200-acre technology park adjacent to the Thomas Jefferson National Accelerator Facility. Once it is completed in October 1997, the \$14-million facility will house applied science researchers from William and Mary, Christopher Newport University, Old Dominion University and TJNAF.

ARC will provide researchers much needed laboratory space to assess the results of experiments taking place next door at TJNAF and at the \$27-million Free Electron Laser currently under development. The facility will more importantly enable researchers to collaborate closely with industry on a host of new applications likely to arise out of TJNAF and the FEL.

William and Mary is leasing 11,000 square feet of the building for its applied science faculty. Roughly half of ARC will be available to industry for collaborative research.

College officials share the hope with their academic partners that ARC will not only provide the means for strengthening science programs, but also lay an important cornerstone for their involvement in economic development regionally and statewide.

"ARC gives us firm footing on the Jefferson Lab site which we are confident will lead the state in the development of high technology by the next decade," said Stewart Gamage, vice president for community relations and public service. "The success of this facility will lend visibility to our applied science program while demonstrating our ongoing com-

mitment to economic development in the state."

Earlier this year, Ted Zoller, director of economic development at William and Mary, coordinated a study of the commercial potential for the proposed technology park. Based partly on current industry interest in TJNAF and the FEL, the study concluded that ARC will play a pivotal role in attracting new high tech business to the Hampton Roads region while providing William and Mary an important physical presence adjacent to TJNAF and the FEL.

"Through ARC, industry will have some of the best minds in applied research at their dis-

positions. One of the College's biggest industry partners currently is Dupont. The company plans to use the FEL in the development of improved manufacturing processes for polymers and fibers. Xerox, Northrop Grumman, Newport News Shipbuilding, Motorola, IBM, Siemens, 3M and AT&T are also partners in the research that will be conducted at ARC.

The City of Newport News Industrial Development Authority, which is financing part of ARC, is so certain of ARC's success that its leaders are already talking about constructing an ARC II and III.

by Poul E. Olson



President Timothy Sullivan (standing) joins his colleagues from Christopher Newport and Old Dominion Universities as well as Newport News and state and civic leaders in signing the foundations of the new Applied Research Center.

posal," said Zoller. "The laser research that's going to take place with the FEL will enable our region to become one of the most important centers for research and development parks in the area of advanced materials and lasers."

William and Mary's stake in Oyster Point extends beyond ARC. The College owns 50 acres of land next to the building that could potentially serve as a site for other research facilities.

Around the corner is the Peninsula Center, a teaching facility that supports the College's part-time MBA program. "With the addition of ARC, we have the opportunity to enhance our educational and research programs through partnerships with the private sector," said Zoller.

Completion of ARC will enable William and Mary's science programs to expand alliances already forged with high tech busi-

Yard Sale To Benefit Campus Child Care

A yard sale to benefit the Williamsburg Campus Child Care Center will be held Saturday, June 29, from 8 a.m. to noon. The sale will be held, rain or shine, at the Center, which is located behind the College Bookstore. Furniture, household items, toys, books and more will be offered. Donations for the sale will be accepted gladly and tax receipts are available. Parking is available behind the bookstore. Take Grigsby Dr. from S. Boundary St. and look for the signs.

Call 221-2121 for information.

In their first research expedition of the year, Jack Musick's graduate students Jim Gelsleichter, Dean Grubbs and Richard Kraus examined a mature blue shark, which was snagged on their survey line, dropped off the coast of Virginia.

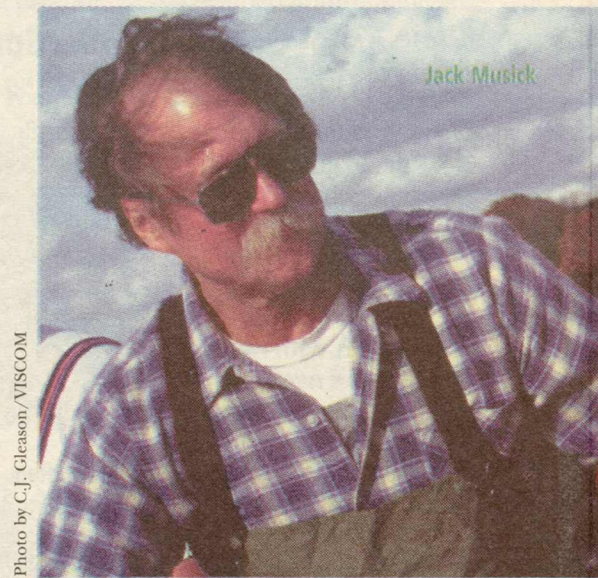
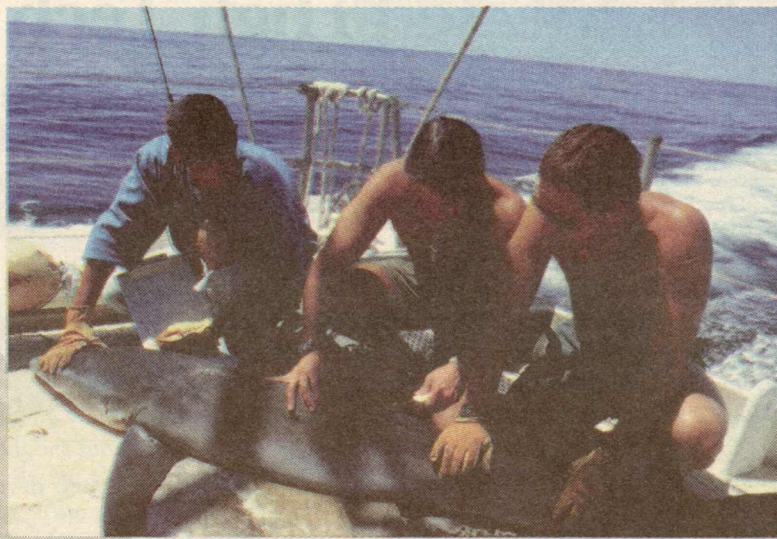
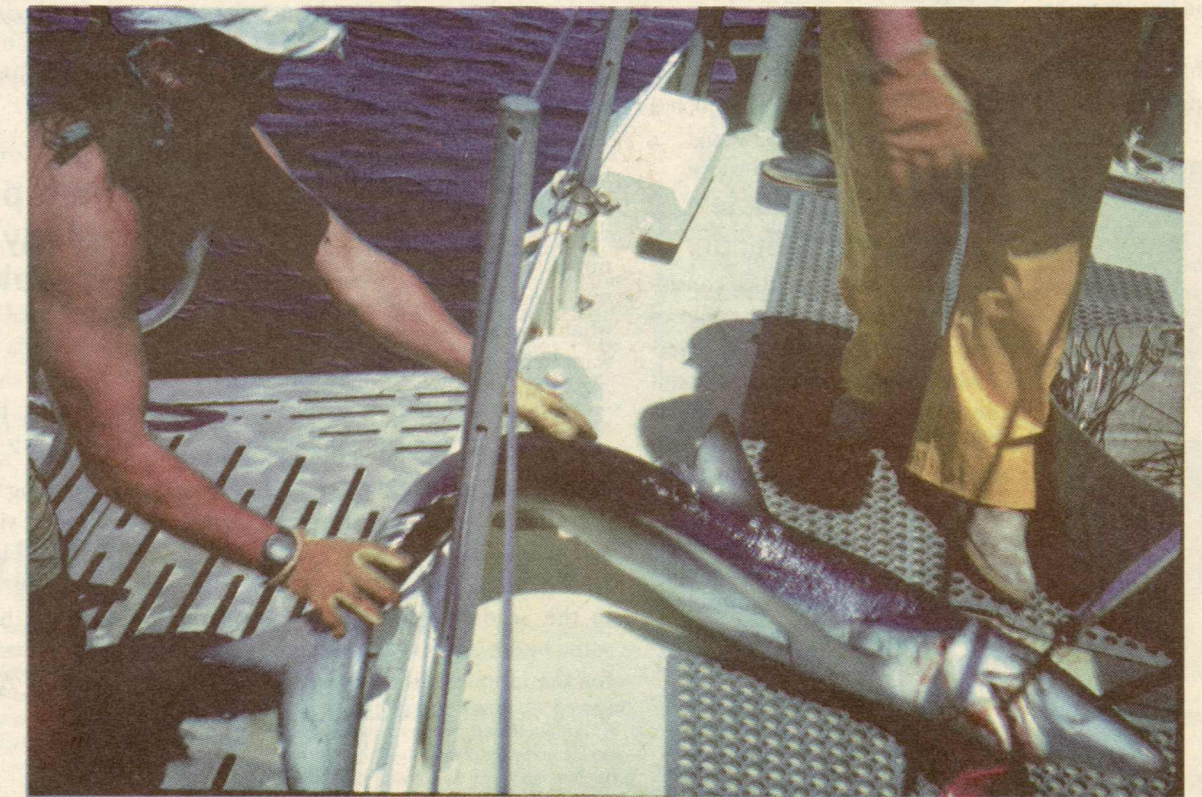


Photo by C.J. Gleason/VISCOM

Jack Musick

In their first survey this summer, Musick's survey team pulled in a cold-water infant blue shark off the coast of Virginia. The animal has never been officially seen so close to shore. The colder-than-normal water temperatures this spring probably kept the shark in these waters longer than usual.



musick to the SHARKS

VIMS researcher Jack Musick has devoted a career to protecting one of the most misunderstood animals of the deep

Jack Musick has vivid memories of what the 1975 movie "Jaws" did for sharks. While people fled beaches along the East Coast en masse, shark hunting tournaments exploded in popularity, drawing record numbers of recreational fishermen with the primary goal of killing as many sharks, big or small, as possible.

"In Texas especially, there was hellacious butchery," recalled Musick, professor of marine science. "On the beaches there, you would see mounds of sharks piled up, caught for the sole reason of being killed."

Since the slaughter began in the late 1970s, shark populations have declined "exponentially," Musick, who has the only long-term survey data tracking this pattern, has determined that current population levels for most shark species are 15 to 20 percent of those measured only 15 years ago.

Spurred by a burgeoning world market for shark fins and cartilage in the 1980s, the com-

mercial shark fishery exploded during the 1980s. Lax regulation for much of that decade gave the fishery virtually free reign over East Coast shark species, pushing some to dangerously low population levels by the early 1990s.

Warnings from Musick and other marine scientists that the shark fishery was nearing collapse pressured the state of Virginia to ban shark fishing completely in its waters by 1990. The National Marine Fisheries soon followed with a comprehensive management plan for offshore waters where sharks are most commonly caught.

The measures prevented further decline, but have not been enough to allow the sharks to recover.

Problems continue as a result of largely unchecked harvesting that continues in the state waters of the Carolinas and Florida. The summer migration of subtropical sharks is often interrupted by

commercial fishermen who target the animals as they pass by these states.

The prospect for tighter catch limits in the Carolinas and Florida is uncertain. But Musick and other marine scientists hope to soon persuade the federal government to tighten quotas for sharks caught in the vast federally-controlled, offshore waters.

"On the beaches [of Texas], you would see mounds of sharks piled up, caught for the sole reason of being killed."

Musick recently returned from a week-long national meeting in Miami where he and his colleagues compared data on the status of shark populations on the East Coast. Their findings suggested that federal quota limits, instituted in the early 1990s, are "too liberal" for the shark fishery.

In response to this data, Musick and a host of other marine scientists nationwide recently

recommended that the National Marine Fisheries reduce harvest levels by at least 50 percent.

"The only way that these populations can recover is to reduce mortality rates by at least half," said Musick, who is hopeful the suggested quota limits will be adopted.

He acknowledges the burden that this step may put on commercial fishermen who make their livelihood from sharks. "But in the long run, they'll make much more money if the fishery is managed at a sustained, viable level."

Musick's surveys, which he has conducted annually since 1973 with a team of graduate students, have not only tracked the decline of shark populations but also the emergence of a significant imbalance in the composition of most shark species.

The primary source of food for many mature sharks is young sharks. But because the fishery

has targeted the older animals, the number of young sharks that survive has grown considerably. "In the long run, this may help population recovery if they are allowed to reach maturity," said Musick.

The life span of most sharks is about 35 years. Musick has learned, however, that few are surviving to their mature age of 16 to 18 years when they should be caught.

"More and more with the fishery now going great guns," said Musick, "we're seeing sharks being taken as young as eight."

Decimation of shark populations worldwide has escalated tremendously over the last decade and a half largely because of Asian demand for fins and South America's appetite for cartilage.

According to Musick, no scientific evidence exists to support popular beliefs that either fins or cartilage can prevent or cure cancer or other maladies.

What is known is that the immune systems of sharks have an

incredible ability to resist infection. Some scientific evidence also indicates that properties in shark blood can reduce tumor growth.

Of particular interest to Musick and one of his students is the process through which sharks regularly replace the calcium that makes up cartilage in their body. Graduate student Jim Gelsleichter is attempting to understand the mechanisms involved in regulating this process, which may have implications for the development of new therapies for arthritis and osteoporosis.

Musick first became interested in shark research as an undergraduate at Rutgers University in the early 1960s. There he participated in the first federal survey ever done of East Coast shark populations.

It was the uniqueness of Virginia's waters as a confluence for a wide host of migratory sharks that sparked Musick's interest in beginning his own annual survey of shark populations.

Having the largest temperature fluctuations on the East Coast, the Chesapeake Bay and surrounding waters make a prime



Graduate students Dean Grubbs (left) and Jim Gelsleichter measure a baby sandbar shark. Sandbars are the most common shark on the East Coast. They use the Chesapeake Bay as a nursery ground for their young.

cold-water shark that has never been captured and studied in Virginia waters during Musick's 23 years of research.

Musick annually surveys an area from the Chesapeake Bay to as far north as Ocean City, Md., and as far south as Cape Hatteras. Deploying a mile-and-a-half-long line outfitted with 100 baited hooks, Musick tags his catch and documents characteristics such as size, age and sex. This summer he will conduct a total of five surveys.

Funding for this work, \$140,000 in the last two years, has been generated by fees that the state charges for recreational fishing licenses.

"Recreational fishers have suffered the most from the decline in shark populations," explained Musick. "Before the commercial fishery exploded in the early 1980s, the recreational fishery produced 90 percent of the shark catch. Now these people have a hard time catching anything of size."

Recreational fishers, Musick added, have become more enlightened about conserving the

shark fishery and often release their catch.

Musick is optimistic about a growing awareness of the important role sharks play at the apex of the food chain and the necessity to protect them. Last month, the Union for the Conservation of Nature invited him to speak about the state of shark populations at its annual meeting in London. The international organization of scientists and conservationists, which monitors the status of endangered species worldwide, is considering for the first time the establishment of a list of endangered marine fishes. Musick plans to propose listing several of the shark species that he follows as "threatened."

Musick believes there's been a gradual moderation in attitudes towards sharks since the days of "all the nonsense" generated by "Jaws." "People generally have become more sophisticated about the reality of sharks," he said.

There's been only one shark attack in the last 30 years in Virginia waters, and it was not fatal. In 1973, a black-tip shark mistook the arm of a teenager spearfishing

for prey. "It immediately let go when it realized the boy wasn't the fish it was looking for," said Musick, who identified the shark from the wound.

"Most sharks aren't dangerous at all," he said. "Sharks are much more threatened by humans—their primary predator—than humans are by sharks."

by Paul E. Olson

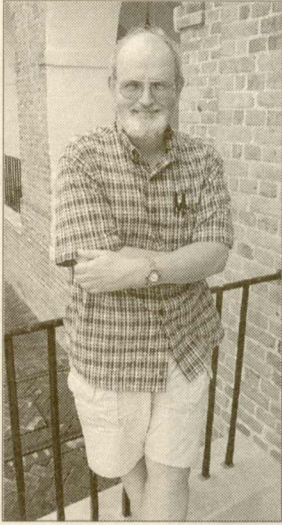
Photos by Jack Musick
Shark graphic by Chris Olivo

Gross, Fowler Named To Deanship Posts

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emphasis on electron scattering, and he has published articles on the subject and an advanced textbook on relativistic quantum mechanics.

In addition, he has won research grants from the National



Mark Fowler

Science Foundation and the Department of Energy, and served as an advisor to several government groups involved in nuclear arms control and reduction, including the U.S. SALT delegation in 1973.

Gross takes over the graduate deanship from Professor of English Robert Scholnick, who has been in the post for 10 years.

New Undergraduate Dean Is Bridge-Builder

Mark Fowler could be considered the stereotypical philosopher: a bearded, balding intellectual who writes and thinks about dead predecessors such as Nietzsche in his cloistered third floor corner office in the Wren Building.

Fowler's world, however, is much broader than that. Rather than a specialist, he is a modern Renaissance man who wants to build bridges between academic disciplines in order to develop

solutions to real world problems.

"The rapid advance of science and technology creates new challenges and problems for us every day," said Fowler, adding that only by crossing disciplines can "we work together on the problems we all face as human beings."

For instance, he says, genetic research in biology may have ethical and legal implications that require the expertise of philosophers and lawyers. "We have a tendency to be over specialized and not see how what we are doing in our specialization links up with what others are doing in theirs. I want to build bridges between the disciplines," said Fowler, associate professor of philosophy.

The newly-appointed dean of undergraduate studies for arts and sciences will spend six weeks at Dartmouth this summer in a seminar designed to do just that in the academic setting. Sponsored by the National Endowment for the Humanities and the National Science Foundation, the

program will explore how to create courses that integrate the humanities, the social sciences and biological sciences.

Fowler joined the philosophy department as an assistant professor in 1976 after receiving his Ph.D. from Princeton. Now an associate professor, he specializes in social and political philosophy as well as existentialism. His research includes such subjects as the moral implications of evolu-

of the Educational Policy Committee, he has been an active participant in the creation and implementation of the new undergraduate curriculum that goes into effect this fall.

Fowler is especially interested in implementing as soon as possible an upper level component of the new curriculum that will concentrate on independent research by juniors and seniors while reinforcing and enhancing

"The rapid advance of science and technology creates new challenges and problems for us every day."

—Mark Fowler

tionary theory and the environment to determine "what are our obligations regarding the environment from a moral viewpoint."

Fowler's interest in serving as dean of the undergraduate program springs from his longtime involvement in the curriculum at William and Mary. As chairman

the individual communication skills of the students.

Fowler takes over the undergraduate deanship from Associate Professor of Geology Heather Macdonald.

by Peggy Shaw, Bill Walker and S. Dean Olson

Sharpe: "We are planting the seed"

CONTINUED FROM PAGE 1.

turned into a meeting with Acting President Melvyn Schiavelli and additional conversations with President Timothy Sullivan, who impressed Sharpe with his emphasis on public service. In addition, Sharpe felt the American Studies Program, with its expertise and strong interest in the history of charity and philanthropy, was a perfect home for the new chair.

Robert Gross, director of American studies, noted that Sharpe's "approach to philanthropy catches the spirit of education and public service at William and Mary.

that one day there will be a national center of philanthropy on this campus.

"The president's emphasis on public service was one of the things that was so attractive about William and Mary," says Sharpe, who points out that America has a long tradition of charity anchored in its Christian and Jewish heritage.

"Americans are the world's most generous givers, a practice which was born in America with the arrival of the Pilgrims who taught charity ... that you had to take care of your neighbor."

Adds President Sullivan: "Bob Sharpe's gift to establish a profes-

grew up in the cotton fields with his siblings, receiving little formal education. Although they were "poor as church mice," his mother still lectured them on working hard, learning and sharing. "She said always try to do something in life that helps others," Sharpe remembers. When their mother died at the age of 87, she left her children with about \$1,000, which they used to help pay for a family reunion to celebrate her memory.

Despite their poor formal schooling, four of the six boys graduated from college while the other two had careers—one as an oil company executive, the other as a naval officer. Their sister be-

basis out of his St. Louis basement, and then back in Memphis in 1965. It grew into a consulting firm to national organizations; a publishing arm to help planned giving executives, which produces millions of pieces a year; and a training division, which has received more than 25,000 individual seminar registrations. Two of his four children worked with him and now own the company.

NPGI, for which Sharpe voluntarily serves as executive director for William and Mary, keeps him busy traveling 12 months a year between Williamsburg, Memphis and Colorado Springs to run the seminars that last a week, en-

"If there are such persons as fund raisers," he says, "they are the professors in educational institutions, the doctors, nurses and other health care people and those who serve in religious and other institutions—those who carry out the mission of their institutions. We are trying to teach gift planners how to pick the fruit in season. They are the gatherers, or harvesters, picking the fruit from the seeds other people have planted."

by S. Dean Olson

Sharpe's "approach to philanthropy catches up the spirit of education and public service at William and Mary."

—Robert Gross



"In his view," says Gross, "a philanthropist is one who gives time, ideas and money to the service of others, and a gift planner is one who enables individuals to realize their philanthropic goals. With a slight change in wording, that's an excellent way of describing teaching and education."

Sharpe hopes the distinguished professorship will lay the groundwork for a degree in American studies with a focus on philanthropy, which Sharpe defines as "helping humankind." Since the money from NPGI could go to the College indefinitely, Sharpe says he envisions

sorship ... will enable us to deepen our understanding of how the institutions and practices of voluntary service to others have occupied a central place in American life. And through that gift, we can hope to educate new generations of philanthropists, which America so urgently needs."

Sharpe brings a unique personal perspective to his mission of philanthropy. His mother moved her destitute family of seven children from Alabama to Arkansas to become sharecroppers after their father abandoned them during the Depression. From the age of eight, Sharpe

came a registered nurse. All served in World War II.

Sharpe used the GI Bill to attend Memphis State College, where he learned he "was good at dealing with people." After a successful career in life insurance, he went to work in what was then called "deferred giving" for the Good News Broadcasting Association of Lincoln, Nebr. He became so adept at his job that other charities began sending their employees to him to learn his techniques, which he began detailing in a number of publications.

Eventually, Sharpe began his own business, first on a part-time

roll 25-60 students per session and charge \$1,190 per student for tuition. In addition, he is a prolific writer on fund raising with three books on planned giving and hundreds of booklets, brochures and newsletters, which have sold millions of copies. His *Planned Giving Idea Book* is considered by some as the bible of planned giving, and currently he is writing a new book for professional giving officers.

Sharpe likes to compare his work to that of a farmer. "We are planting the seed," he says, while reiterating that he dislikes the word fund raiser.

WILLIAM & MARY NEWS

The next issue of the *William & Mary News* will be published on Wednesday, July 17. Deadline for submission of items is 5 p.m. on Friday, July 12, 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.

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

Peggy Shaw, university relations

Shawn Holl, proofreader

Dorms To Be Wired For Cable TV

CONTINUED FROM PAGE 1.

system, slated for activation next fall, will have the capacity to carry 120 channels. The College is working with student leaders to ascertain the basic programming that will be available on the cable system.

Basic cable service will be provided for resident students. They will have the option to purchase premium channels such as HBO at an additional cost.

Fiber optic cable, which is being installed in the dormitories, forms the basic infrastruc-

ture of the campus backbone that will ultimately link all computers on campus as well as provide a gateway to the worldwide Internet.

A signature element of the backbone is that it is structured for the future. As higher network speeds are developed, the College can easily upgrade the hardware

A signature element of the backbone is that it is structured for the future.

that controls data movement along the backbone. The carrying capacity of the College's connection to the Internet is also being doubled to three Mbs this summer to handle the anticipated growth in student usage of the network this fall.

Most of the first phase of the campus wiring project—connect-

ing academic buildings to the backbone—was completed in late May. Telecommunications continues to work with individual departments whose networks still need to be connected to the backbone.

Campus Televideo (CTV) out of Delaware won the contract to wire the residence halls. The com-

pany is currently working on the Dillard Complex, Brown and Dupont Halls.

Green asked that faculty, staff and students bear with the inconvenience that may result from CTV's work. "There's going to be a lot digging going on and people poking around over the next several months," she said.

by Poul E. Olson

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.

FOR SALE

Townhouse in Jamestown 1607. 2 BRs, 2 baths, new carpet, floors, windows, remodeled bathrooms. Well landscaped, fenced yard. A gem in an affordable community. Not a rental. \$61,500. Call ext. 12639 or 221-8112.

House in Canterbury Woods. 3 BRs, 2 baths, cathedral ceiling. Mother-in-law unit downstairs includes living room, bedroom, bath, kitchen and separate entrance. New heat pump. Built in 1986. Call Jerry at 273-4121. \$158,000.

1,570 sq. ft. ranch home located in Newport News in Beechwood Farms neighborhood (north Denbigh). 3 BRs, 2 full baths, 2-car garage, large master bedroom, large eat-in kitchen with bay window, large family room with vaulted ceiling. Ceiling fans in all BRs, family room and kitchen. 6' privacy fence, large 3-tier deck. \$109,800. Leave message at 874-7409 or page Bob at 680-3127.

1990 Saab 900, 5-speed metallic green. One owner. 83K miles, recent inspection. Excellent condition. Urgent sale. \$8,700. Call 221-2343 or 221-7181.

1986 VW GTI, red, 5-speed, new brakes and clutch, recent inspection. Dependable and fun to drive. Asking \$1,350. Call 220-3122.

1986 Honda Civic CRX, hatchback, 5-speed. Excellent condition. 118K miles. \$2,000 or best offer. Call 220-5747.

Full-sized sleeper sofa, only 2 yrs. old, \$150; white iron day bed plus mattress and bedding, only 1 yr. old, \$225; coffee table, 3 yrs. old, \$10. Call 221-3432 or 259-9083.

Desk chair, excellent condition. Upholstered in light grey. Adjustable. \$30. Call 229-5009.

Washing machine, \$90; dryer, \$60; small suede leather couch, \$40. Call Dave, 221-3853 (day) or 253-1269 (evenings).

Refrigerator, white, 18.2 cu. ft., with icemaker. Only 4 yrs. old, excellent condition. Dinette/kitchen oak rectangular table with 4 large oak high-back chairs; excellent condition; \$175. Older washer/dryer, still working, reasonable. Moving, must sell items. Call 221-2955.

I want to thank all of the members of the William and Mary community who were so gracious and benevolent during my recent extended absence due to back surgery. I am very grateful to you and want you to know that the surgery was a success and I am back to work and feeling better than I have felt in many years. "Thank you" does not seem to be adequate enough.

Kathy Yates

Tenor saxophone for aspiring high school musician. Call 564-3726.

Unused Kaplan LSAT practice books (2 sets), \$10/set or \$2/single subject. Wooden game table, \$100. Solid brass andirons, \$25/set. Call 221-2305 or 565-1317 (leave message).

FOR RENT

Lovely 2-story brick colonial, furnished in Queens Lake. 4 BRs, 2-1/2 baths, new kitchen. Available Aug. 1 to Jan. 1. \$1,250/mo. Call 229-2096.

Room in nice condo, a few miles from campus. Furnished with cable and private bath. \$350/mo., includes rent and all utilities. Looking for mature person. Call 253-2890 after 5 p.m.

Fully furnished house (including linen and kitchenware) in lovely setting by pond, for rent, Jan. 15-June 15, 1997. 2 BRs, 2 baths. Large deck, \$750/mo. Call 565-6175 and leave message.

Beautiful 3-room apt. on W. Queens Dr., furnished or unfurnished. \$400+ utilities. Call 565-2249.

Unfurnished house with 2 or 3 BRs. Stove, refrigerator, washer and dryer. Near campus. Available Aug. 1. Deposit and lease required. No pets. \$650/mo. Call 229-4424.

4-BR, 2-1/2-bath house on quiet cul-de-sac in Williamsburg Bluffs, York County. Attached garage, fireplace, security system, lots of childproof features and storage. Screened porch/deck overlooks private

wooded yard. Ten minutes from campus. Available July 1. Call 229-8292.

Seeking responsible non-smoker to share large, furnished executive home in wooded riverfront neighborhood with recently married, working professional W&M alum, part-time graduate students. All amenities. Bedroom furnished at your option. Private bath. Variety of outdoor recreation available. Close to shopping, 8 minutes to campus. No pets. \$435/mo., including all utilities. Call 221-7120, 220-0892 or 879-9024.

WANTED

1996-97 visiting professor seeking housing beginning July or Aug. Preferably small house or 1- or 2-BR apt., unfurnished. Call Donna Flynn at (505) 471-8189.

Mature, refined lady seeks a special place to call home. Three or more unfurnished rooms in a quiet, comfortable surrounding. Have no children, grandchildren or pets. Am non-smoker. Respond to K. Marshall, Box 554, Gloucester Pt., VA 23062 or call 725-4983 or call Monty at 642-7093.

Non-smoking female seeks same to share 2-BR apt., fall semester only. Lease runs Aug. 1 through Dec. Rent \$227.50 + 1/2 utilities. Call Tracee, 259-0257.

40-year-old male looking for housesitting situation or apartment from Aug. 15 to Dec. 15. Will clean, care for pets, etc. in exchange for rent. Call (201) 461-3378.

FREE

To good home: 1-1/2-year-old female cat, "Musette." Spayed, declawed, has all shots, white with black spots, frisky and sweet. Owner moved and I can't keep her. Call 564-9438 or 221-2351.

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, no later than 5 p.m. on the deadline date. For application deadlines and additional information, call ext. 13167.

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

Office Services Specialist —\$7.72 to \$11.79 per hour, part time, approximately 30 hours per week. #H0148X. Location: School of Business.

Office Services Specialist —\$7.72 to \$11.79 per hour, part time, approximately 30 hours per week. #H0716X. Location: School of Business.

Dispatcher —\$8.44 to \$12.88 per hour, part time, approximately 30 hours per week. Hours of work may include days, evenings, weekends and holidays.

#H0341X. Location: Campus Police.

The following position is a full-time classified position that does carry benefits. This position to be filled on or after July 1, subject to state approval.

Executive Secretary Senior (Grade 7)—Salary range \$19,188 to \$29,297. #00045X. Location: Arts and Sciences.

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

Police Officer (Grade 8)—Salary range \$20,976 to \$32,027. #00517X and #00182X. Shift work, which includes days, evenings, nights, weekends and holidays. Occasional overtime will be required. Two positions—only one application is required to be considered for both positions. Location: Campus Police.

Enrollment Services Specialist (Grade 8)—Salary range \$20,976 to \$32,027. #00049X. Location: Student Financial Aid.

news of events

Law School Awarded Public Service Grant

The Marshall-Wythe School of Law has been awarded a \$7,500 grant from the Virginia Law Foundation to support students who will work during the summer of 1997 for public interest employers in Virginia, including legal aid agencies, public defenders, courts and organizations providing *pro bono* assistance in poverty and civil rights law.

The award marks the eighth consecutive year that the foundation has selected the law school for funding.

Mlodozienec Garners Conservation Award

Henry Mlodozienec '96 has been awarded the Baldwin/Speese Plant Conservation Award for research that he conducted under the direction of Martha Case, assistant professor of biology. The \$1,000 award, endowed by Christine Kurtz Fuerhoff '80 in memory of biology professors J.T. Baldwin and Bernice Speese, is given annually to a graduating senior in any discipline whose study or activity has contributed to plant conservation.

In his research, Mlodozienec studied a rare flowering plant belonging to a group of closely related, wide-ranging plants called yellow lady's slippers. The plant called *Cypripedium kentuckiense* is known to exist in only 150 populations worldwide. Until Mlodozienec conducted his research, no genetic data had been compiled on the species.

Mlodozienec traveled more than 6,000 miles visiting sites in five states to collect tissue for genetic analysis.

The genetic information that he gleaned on *Cypripedium kentuckiense* will not only help botanists better understand other plants within the complex, but provide useful data to various agencies that are tracking the state of this rare plant.

Swem Library Recognizes Employee Service

Swem Library recently inaugurated a Staff Recognition Award Program. At a brunch May 17, employees were recognized for length of service, outstanding achievement and a librarian and paraprofessional of the year.

Those receiving recognition for the longest service were Margaret Cook, curator of manuscripts and rare books, and Linda Adams, head of the circulation department. Both have worked in Swem for 30 years. Berna Heyman, assistant dean for university libraries, was recognized for 25 years of service.

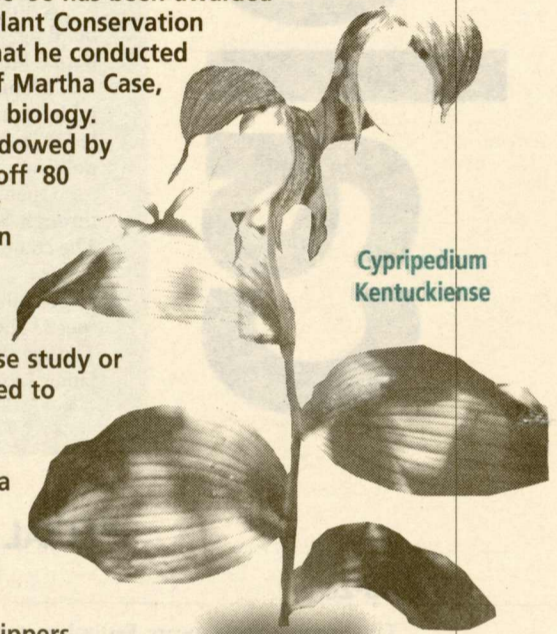
This year's "Librarian of the Year" award went to Stephen Clark, head of the acquisitions department. The "Paraprofessional of the Year" recipient was Robert Richardson, computer systems engineer.

In addition, 30 library employees were recognized with "Outstanding Achievement" awards.

Winners Of Dean's Prizes Named

The Dean of the Faculty of Arts and Sciences has awarded two prizes of \$100 each to Shannon Soots '96 and sophomore Ariel Kaplan. Soots won for her honors thesis, "Identity, Intimacy and Sex-role Development in Women." Kaplan's paper was titled "The Absence of God in Ruth and Esther: Change in the Style of Post-Exilic Literature, or Paradigm of the Treatment of Women in the Old Testament?"

The School of Education awarded the dean's prize to Susan Pettyjohn, assistant to the vice president for development, for her paper "Changing Roles for Women in Philanthropy: How is William and Mary Meeting the Challenge?"



Cypripedium kentuckiense

calendar



"Hamlet" Opens VSF Season July 5

Shown in a scene from "Twelfth Night," which opens on July 12, are (l-r) Chan Casey as Sir Andrew Aguecheek, David Johnston as Malvolio and Gib Towns as Feste.

A July tradition, the Virginia Shakespeare Festival has begun rehearsing, building sets, making costumes, creating props and selling tickets in Phi Beta Kappa Memorial Hall. On the bill this season are "Hamlet" and "Twelfth Night."

"Hamlet," which opens July 5, features many of Shakespeare's most memorable characters and thrilling stage effects. Clowns, lovers, players, intrigue, violence, pageantry, murder and hair-raising suspense abound within Claudius' politically corrupt, yet elegant, regime.

Opening on July 12, "Twelfth Night" offers a sensuously romantic romp through Shakespeare's mythic world of Illyria, where "nothing is so that is so." The count loves a girl, who loves a boy, who is really a girl, who eventually wins the count.

Faculty, staff, students and former students are working with the festival. A special guest artist, Jens Martin Krummel, most recently of the Cornell Center for Theatre Arts, will play Hamlet. Directing "Hamlet" will be Jerry Bledsoe, while James Luse will direct "Twelfth Night."

SPECIAL EVENTS

July 5-28

The Virginia Shakespeare Festival presents "Hamlet" and "Twelfth Night" in repertory. Evening performances are in Phi Beta Kappa Memorial Hall at 8 p.m. and matinee performances are scheduled for July 7, 14, 21 and 28 at 2 p.m. The theatre will be dark July 8, 9, 15 and 22. Specific schedule information and reservations are available at the box office, 221-2674. The box office opens daily from 10 a.m. to 8 p.m.

MISCELLANEOUS

June 21

Dedication of Fisheries Science Building at VIMS, 3 p.m. For information, call 642-7099.

June 24-28

The Muscarelle Museum and the James City County Department of Parks and Recreation are co-sponsoring "Camp Articipation" at the museum. The camp theme is "Around the World with Art," and the museum's diverse collection will be used as a departure point for an exploration of the art and culture of different countries. The camp is for children ages 7 through 10 and the hours are 9 a.m. to 3 p.m. daily. The cost is \$90 per camper, and maximum enrollment is 20. Call Parks and Recreation at 565-6920 to register.

June 25 through July 23

Technology Services is offering the following computer workshops:

- June 25:** Introduction to WordPerfect 5.1 for DOS
- June 28:** Introduction Windows 3.1
- July 2:** Introduction to Paradox for Windows
- July 9:** Intermediate Paradox for Windows (8:30 a.m. to noon)
- July 10:** Introduction to Word Perfect for Windows 6.1
- July 16:** Introduction to Quattro Pro for Windows
- July 17:** Intermediate WordPerfect for Windows (8:30 a.m. to noon)
- July 18:** Word Perfect for Windows: Merge/Sort (8:30 a.m. to noon)
- July 23:** Windows '95 Overview (not hands-on) (1:30 to 4:30 p.m.) (\$20)

All workshops will be held in the computer lab in Morton 244 from 8:30 a.m. to 4:30 p.m., except those listed as half-day classes. Full-day classes are \$50 and half-day classes are \$30, except for the July 23 class. Tuition is waived for arts and sciences faculty and staff. Customized e-mail and Internet workshops for departments are available by request. Call the Help Desk at 221-HELP for additional information.

June 26

Swem Library and Technology Services are offering workshops to assist staff members using the World Wide Web. The sessions are scheduled as follows:

- 10:30-11:45 a.m.** - How to navigate the World Wide Web using Netscape, and how to find relevant resources on the Web. Hands-on practice will be available at the end of the session.
- 1:30-2:30 p.m.** - Basic HTML coding needed to create your own Web page.
- 3:00-4:30 p.m.** - Advanced HTML coding.

For information call 221-3058.

June 29

A yard sale to benefit the Williamsburg Campus Child Care, will be held from 8 a.m. to noon, rain or shine. (See item on page 3.)

June 26

An opening reception will be held from 5:30 to 7 p.m. at the Muscarelle Museum of Art for two new exhibitions.

The first exhibit, "The European Phoenix: Selections from the Maria Herman Lania Collection of Contemporary Prints," focuses on the diversity of subject matter and artistic style of modern European printmakers, particularly German artists. The variety of media ranges from traditional woodcut to the contemporary silk screen.

The second exhibit, "The McCarthy Collection of African Art," includes masks, goldweights, animal figures, headdresses, pendant masks and fertility and fetish figures made by the peoples of western sub-Saharan Africa.

For information, call 221-2700.

July 9, 11, 16, 18, 23, 25 and 30, Aug. 1

Gallery/studio classes for children, ages 3 through grade 10 (1996-97 school year), are scheduled at the Muscarelle Museum again this year. Students will produce original artworks based on their observations and experiences in studying works from the museum's collection/special exhibitions, as well as learning about the artists' methods and environments.

Classes for Session I, to be held July 9 through 18, take the theme of "Art Essentials." A second session titled "A World of Art-Portunities" will be held July 23, 25, 30 and Aug. 1.

The cost is \$25 and scholarships are available in cases of financial need. For information on individual classes or registration forms, call 221-2703.

Ongoing

The Atrium, the faculty and staff lounge and dining area, continues operations through the summer. Lunch is available on Wednesdays and Thursdays from 11:30 a.m. to 2 p.m. The menu features a range of soups, salads, pastas and desserts.

Swem Library Hours

Through Aug. 2

Monday through Thursday	9 a.m.-6 p.m.
Friday	9 a.m.-5 p.m.
Saturday	10 a.m.-5 p.m.
Sunday	1 p.m.-6 p.m.
Saturday, June 29 and Sunday, June 30	CLOSED
Thursday, July 4	9 a.m.-5 p.m.

EXHIBITS

June 26 through Aug. 25

Muscarelle Museum

- "The European Phoenix: Selections from the Maria Herman Lania Collection of Contemporary Prints"
- "The McCarthy Collection of African Art"

COMMUNITY

June 25 through July 30

The Summer Breeze concert series, sponsored by James City County and the City of Williamsburg, takes place from 6:15 to 7:30 p.m. on Tuesday evenings through July 30 in Merchants Square. The free concerts feature up-and-coming Virginia bands performing jazz, folk, big band, Dixieland, bluegrass, calypso, fusion and rhythm and blues.

The community is invited to bring picnics, chairs and blankets and enjoy the summer offerings. Concerts will be held rain or shine.

For additional information, call 565-6920.

Through Sept. 21

"Painting the Interior Landscape," an exhibit featuring the work of Valerie Hardy, director of the President's Art Collection at William and Mary, and William White, is on display at the Longwood Center for the Visual Arts, 129 N. Main St., Farmville, Va.

For information, call 804/395-2206.



Employee Appreciation Day Set For July 11

President Timothy J. Sullivan
invites you to attend a
Luncheon Program
on Thursday, July 11, 1996
11:30 a.m. to 1:30 p.m.
William & Mary Hall

Please respond by July 1
221-2640

Service Awards presentation
12:15 p.m.

Drawing for door prizes
Must be present to win

Individual invitations will be sent to all employees in the next few days.



President Sullivan has made it a tradition
to demonstrate his dance moves at the
annual employee picnic.