

# William and Mary NEWS

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PUBLISHED for and about the FACULTY, STUDENTS  
and STAFF of the COLLEGE of WILLIAM and MARY

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## Rise in college costs lowest in eight years

The total cost of attending the College next year will rise 4.7 percent for in-state students and 5.2 percent for out-of-state students, according to figures released by the College's Board of Visitors at its meeting Friday, April 24. The figures represent the smallest annual total cost increase in 8 years.

The total cost, which includes tuition, fees, room and board, will increase from \$5,754 to \$6,024 for in-state students, and from \$9,986 to \$10,508 for out-of-state students.

Tuition and fees alone will increase \$210 to a total of \$2,750 for Virginia students, and \$462 to a total of \$7,234 for out-of-state students.

General fees for the 1987-88 academic year will increase \$131 to a total of \$1,340 for in-state students, and \$147 to a total of \$1,596 for out-of-state students. Much of the increase in non-academic support fees will be used to enhance drug- and health-education programs and psychological counseling services, according to Provost Melvyn D. Schiavelli.

Consistent with state policies, William and Mary receives 60 percent of its educational budget from the state, with students paying the remaining 40 percent through tuition.

Whenever budget appropriations are increased by the General Assembly, tuition must increase as well. "The legislature granted the faculty a well-deserved salary increase in recognition of William and Mary's new peer grouping," Schiavelli said. "Tuition increases pay for 40 percent of those raises." Next year's tuition must cover increases in appropriations for a 9 percent increase in faculty salaries and salary regrades and merit increases for the College's classified employees.

For law students, tuition will be \$404 higher than the tuition figures listed for undergraduate students. For undergraduate and graduate students in the School of Business Administration, tuition will be \$280 beyond the tuition listed.

Tuition for part-time Virginia undergraduate and graduate students (non-law and non-business) will rise from \$85 to \$90 per semester hour, and from \$226 to \$240 per semester hour for part-time out-of-state students. Part-time Virginia law students' tuition will rise from \$98 to \$105 per semester hour, while out-of-state will increase from \$239 to \$253. Part-time business students' tuition will increase from \$100 to \$106 per semester hour for Virginians, and from \$241 to \$255 for out-of-state.

### Budgets

In addition to the setting of tuition and fee rates for the 1987-88 academic year, the Board also approved a 1987-88 fiscal year operating budget of \$45.1 million in state appropriations for educational and general purposes at the College, with an additional \$1.2 million anticipated as the College's share of the state central account distribution.

Also approved were the College's \$23.1 million auxiliary enterprise operating budget and a \$4.7 million intercollegiate athletic budget, which includes both men's and women's athletics.

The Board approved operating budgets of \$3.3 million for Richard Bland College and \$10.4 million for the Virginia Institute of Marine Science.

In its committee meeting on buildings and grounds, the Board heard a progress report from James J. Connolly, director of facilities, planning and construction, on various campus building projects. The \$1.3 million addition to the Muscarelle Museum of Art is now complete, and the addition to Swem Library is 80 percent complete, with movement into the new area expected by this summer.

### Buildings and Grounds

A \$2 million project to complete the Randolph Residence Complex has been reactivated, and bids were recently received for the renovation/addition to Ewell Hall. Contract negotiations are complete for the \$1.4 million reconstruction of Tyler Hall, and construction is expected to begin in June. Working drawings are being reviewed by the state for construction of the new physical education intramural facility and for the new student residence near the law school.

### Gift giving

Because of the potential for a significant number of gift opportunities to be created during the period leading to the College's tricentennial celebration, the Board approved named-gift opportunities to be offered to potential supporters. Also the Board approved a revision in the Grover T. and Celia M. Somers Scholarship Fund, accepted a bequest of \$27,698 from the estate of the late Kenneth E. Umlah '32 of Jacksonville, Fla., and approved the establishment of an endowment fund, the Hasseltine M. Armitage Memorial Fund, founded by and named for a class of '25 alumna from Los Angeles.

### Faculty compensation

In accordance with state requests, the Board must submit a faculty compensation plan for 1987-88 and policy statements on tenure and leave. The salary plan passed by the Board includes salaries for the first step in the following faculty ranks: professor, \$38,000; associate professor, \$31,000; assistant professor, \$24,000; instructor, \$18,200.

### Promotions

Two members of the faculty were promoted. William R. Stewart Jr. of the School of Business Administration was promoted from associate professor to professor; and Francie Cate-Arries of the Department of Modern Languages was promoted from instructor to assistant professor.

### Leaves

The Board granted leaves of absence to Susan V. Donaldson, assistant professor of English, Aug. 16-Dec. 31, 1987, without pay for professional advancement; David C. Jenkins, professor of English, Aug. 16-Dec. 31, 1987, without pay to pursue his research; Christopher J. MacGowan, assistant professor of English, Jan. 1-May 15, 1988, without pay for research purposes; Lawrence W. Wiseman, professor of biology, 1987-88, to accept ACE Fellowship; and Rita P. Wright, assistant professor of anthropology, Jan. 1-May 15, 1988, with pay to participate in the archaeological expedition to Harappa.

### Resignations

The Board accepted the resignations of Pat Flannery, assistant basketball coach;

George L. Follansbee Jr., associate dean of the Marshall-Wythe School of Law; Lisa M. Greeley, assistant director, recreational sports; Colleen Kennedy, assistant professor of English; Sal V. Mentasana, assistant basketball coach; Robert C. Palmer, Adler Fellow, associate professor of law, Marshall-Wythe School of Law; and Barry L. Parkhill, head basketball coach.

### Appointments

The Board made the following faculty appointments to fill existing vacancies: Sheryl Bailey, full-time instructor of economics; John Chambers, head basketball coach, dean of students, Brophy Prep Col-

lege, full-time assistant men's basketball coach; Patricia R. Hausman, part-time reference librarian, Williamsburg Regional Library, part-time physics/geology librarian with the faculty-equivalent rank of lecturer; George Heilig, senior partner, Norfolk-Virginia Beach law firm and member Virginia General Assembly, part-time lecturer in law; Robert R. Johnson, visiting assistant professor, University of Massachusetts, full-time assistant professor of business administration; Richard S. Lowry, Ph.D. candidate, Yale University, full-time instructor of English; Frank R. Ortolani Jr., associate, McGuire, Woods, Battle & Boothe, part-time lecturer in law; Edith D. Thompson, associate, Kaufman & Canoles, part-time lec-

Continued on p. 2.



## New bill signed

Five members of the William and Mary Health Services staff attended a recent ceremony in which Gov. Gerald L. Baliles signed a bill, suggested by Patricia L. Buoncrisiani, R.N., of William and Mary and introduced by Del. George W. Grayson, to require that incoming students at state-supported colleges and universities furnish medical histories and proof of inoculation against contagious diseases.

Pictured with Governor Baliles are (l. to r.) Grayson; Mary Virginia Polonsky, R.N.; Judith A. Costolo; Linda L. Dalton, R.N.; Patricia L. Buoncrisiani, R.N.; and Dr. William J. Perry.

## Student manuscripts sought for class with poet Eady

Cornelius Eady, author of two books of poems — *Kartoons* (1980) and *Victims of the Latest Dance Craze* (1985), which won the Academy of American Poets Lamont Prize — will be writer-in-residence at the College for the 1987-88 school year.

Eady has published poems regularly in such magazines as *Poetry Now*, *Princeton Spectrum* and *Harpers* and given readings at, among other places, the Folger Shakespeare Library, the Brooklyn Public Library and the Richmond Museum.

He has been the Margaret Banister Writer-in-Residence at Sweetbriar College and the master poet at the Young Writers' Workshop

at the University of Virginia in addition to other teaching assignments.

Students wishing to work with Eady next year should submit a manuscript of no more than 15 poems to Tom Heacox in the English department by May 15.

Eady will select approximately a dozen students for the regular three-credit writer-in-residence course.

Students selected will be notified during the summer and can add the course during the fall semester add/drop period.

For further information, call Tom Heacox at ext. 4470.

## Suben Overture wins top prize

"Academic Overture," a lively work by Joel Eric Suben, assistant professor of music, will be spotlighted at a May 16 concert by the Bucks County, Pa., Symphony Orchestra.

Suben is winner of this year's Bucks County Symphony Orchestra Composers Competition, which drew entries from across the country and Canada. The award includes a \$500 cash prize.

Carl Middleman, director of the orchestra, and one of the competition judges, says that Suben's work was "very appealing" and a composition that is accessible to a wide range of musicians. The competition, explains Middleman, is unique because it is the only one of its kind to encourage the writing of music that can be played by community orchestras as well as professional groups.

Middleman will conduct the orchestra for the May 16 concert but Suben will attend several rehearsals and will be introduced to the audience at the performance. This is the 34th year for the Bucks County Symphony Orchestra, which gives five concerts during the year including a children's concert and a Pops concert.

Suben says he composed "Academic Overture" for a beginning-of-the-year convocation and says it is happy in character. "I wrote it to be deliberately accessible to orchestras of various levels of advancement from students to professionals. Furthermore it is suitable as a teaching piece for music appreciation classes."

The construction, he explains, follows the long tradition of opera and symphony music with two contrasting themes. Suben has put his two themes in juxtaposition to each other.

A native New Yorker, Suben studied conducting with Jacques-Louis Monod, Otmar Suitner and Witold Rowicki. He holds degrees from the Eastman School of Music and the Hochschule Mozarteum in Salzburg and Brandeis University. He was a Fulbright Scholar in Poland and has returned several



Joel Suben

times to conduct the Silesian Philharmonic Orchestra in Katowice, Poland.

In addition to his work with area orchestras, Suben is artistic director of the music festival in Brooklyn Heights, N.Y.

## 1986 Jamestown Prize awarded by IEAHC to Kevin Sweeney

The Institute of Early American History and Culture has named Kevin M. Sweeney winner of its 1986 Jamestown Prize. This award is given for the best book-length, scholarly manuscript on early American history submitted in a national competition.

The prize is funded by the Jamestown-Yorktown Foundation, the University of North Carolina Press and the two sponsors of the Institute — the College of William and Mary and the Colonial Williamsburg Foundation.

Sweeney, director of academic programs at Historic Deerfield, Inc., in Deerfield, Mass., and Five College Assistant Professor of American Studies at Smith College, will receive a \$1,500 cash prize and his manuscript will be published by the Institute at the University of North Carolina Press.

Sweeney's study, titled *River Gods and Related Minor Deities: The Williams Family and the Culture of the Connecticut Valley, 1637-1790*, chronicles the rise and fall

of one of 18th-century New England's most prolific and versatile gentry families.

A native of Saratoga Springs, N.Y., Sweeney received his B.A. from Williams College and his Ph.D. from Yale where his recently completed dissertation was awarded the 1986 Frederick W. Beinecke Prize in history.

He has taught at the Westover School, Trinity College in Hartford, and the Winterthur Museum.

## Appointments

Continued from p. 1.

turer in law; Mark Daniel Treleven, M.B.A. adviser, placement office liaison and assistant professor, University of Minnesota, full-time associate professor of business administration; Barbara A. Zaremba, part-time adjunct lecturer in education.

## Book on merchant class in Philadelphia wins third Bancroft Prize for IEAHC

For the third time since 1969, a book recruited, edited and published by the Institute of Early American History and Culture has won the prestigious Bancroft Prize "for distinguished works in American history and diplomacy."

This year's award, announced earlier this month at Columbia University, went to Thomas M. Doerflinger, a former Institute postdoctoral fellow and author of *A Vigorous Spirit of Enterprise*, a study of the structure and behavior of the merchant class in Revolutionary Philadelphia.

According to Institute Director Thad W. Tate, "The purpose of our fellowship program is to provide the most promising young scholars in the field of early American studies with the time, the nurturing and the resources required to help them move their manuscripts toward publication."

"Our ability to offer a two-year fellowship-in-residence makes it possible for us to recruit exceptional manuscripts about early America, thereby raising the prospect of making a significant contribution to the scholarship of the period. So it is particularly satisfying when an Institute fellow, like Tom, is honored by a prize as well regarded as the Bancroft."

Doerflinger was selected by the Institute to fill its 1980-82 postdoctoral fellowship on the basis of his scholarly research conducted while an undergraduate at Princeton, as a doctoral candidate at Harvard and as a fellow at the Philadelphia Center of Early American Studies. His book, subtitled "Merchants and Economic Development in Revolutionary Philadelphia," probes the role of that city's merchants from the mid-18th

century through the ratification of the U.S. Constitution and offers proof that they helped lay the groundwork for the Industrial Revolution in America.

## Kornbluth named Getty Fellow

Genevra Kornbluth, visiting assistant professor of fine arts, has been named a 1987-88 Getty Fellow in the History of Art and the Humanities.

The Getty postdoctoral fellowships are designed to strengthen the history of the visual arts of all periods and areas. Awards are granted to outstanding young scholars whose work looks beyond narrow academic specialization and relates to the broader contexts of humanistic thought. Twenty such fellows are selected each year in a national competition.

Kornbluth will be affiliated with the University of North Carolina at Chapel Hill. She will examine the connections between engraved gems, coins and wax seals in ninth-century Europe, with particular reference to material now in New York, London, Paris and Berlin.

## NEWSMAKERS

President Verkuil has been named to serve as a member of the American Council on Education's Commission on Governmental Affairs.

### Music

David W. Parks, lecturer in music, has accepted a teaching position at Ithaca College in New York. He officially assumes his new duties in June, but will be singing throughout Virginia for most of the summer. He presented his final concert in Williamsburg on Tuesday, April 21, at the Williamsburg Regional Library.

Parks has been on the William and Mary music faculty for four years. During that time he has been a popular soloist in sacred and secular works for church choirs and choral groups throughout the area. He also made two appearances with the Virginia Opera Company and, in 1986, won the Mid-Atlantic Regional Finals of the Metropolitan Opera's National Council auditions. Before that, Parks won first place in the southeastern and southwestern Virginia district auditions.

### Theatre and Speech

Bruce McConachie, American studies and theatre, recently organized four American drama panels and delivered a paper on "Modernizing Trends in the American Theatre" at the American Culture Association convention in Montreal. He was also elected as an at-large member of the governing board of ACA.

### English

"Vom Mississippi zur Donau: A New Mark Twain Memorial in Lower Austria" is the title of a brief article by Carl Dolmetsch, professor of English emeritus, in the current issue (Vol. 24, No. 1, Spring 1986) of *The Mark Twain Journal*. It concerns the recent identification of Villa Paulhof (now called Villa Sonnenhof) as the place where Mark Twain resided from May to Oct. 1898 in the village of Kaltenleutgeben, near Vienna, Austria, and where he wrote several important works, including the short story, "The Man that Corrupted Hadleyburg." Twain scholars had previously tried without success to locate this house in the former hydrotherapy resort but a memorial plaque now has been placed there by the state government of Niederoesterreich (Lower Austria) to designate it as an historic site because of Twain's sojourn.

### Modern Languages and Literatures

Franco Triolo, associate professor of modern languages and literatures, attended the seventh annual conference of the American Association for Italian Studies, April 10-12, in Pittsburgh, where he read a paper titled "Michele Federico Sciacca and Pirandello" for the second section of *La Poetica del Linguaggio: Gli Scrittori Siciliani del Dopoguerra*. Triolo was elected southern representative for the Association at this conference.

An article by Triolo, titled "Manzoni and Providence," has just appeared in *The Reasonable Romantic: Essays on Alessandro Manzoni*, a book published by Peter Lang. Triolo was recently appointed associate editor of *Segni: Revista di Cultura Italo-Americana*, an international review of literary criticism and methodology published in Naples, Italy.

This coming summer, Triolo has accepted an invitation to teach Italian in the *Scuola Italiana* at Middlebury College in Vermont.

## VATE offering Meade scholarship

As a part of its commitment to improving English language arts instruction, the Virginia Association of Teachers of English has established the Richard A. Meade Scholarship, which is awarded to a senior during the term he/she does student teaching in English.

To be eligible, students must be in an approved program and planning to teach English in middle school/junior high or high school.

May 18 has been set as the deadline for applications.

Details may be obtained from the Student Aid Office or from Joyce J. Swindell, middle school member-at-large, Virginia Association of Teachers of English, 800 E. City Hall Ave., Norfolk, VA 23510; phone 804-441-2617 (office) or 804-423-6075 (home).

## Health Benefits

Informational meetings are being held through May 15 to acquaint employees with options concerning health benefits.

Meetings are scheduled as follows:

- April 30 — Buildings and Grounds, 11:30 a.m.
- May 1 — VIMS, 9 a.m.
- May 4 — Swem Library, Botetourt Theater, 9 a.m., 2 p.m.
- May 6 — Buildings and Grounds, 7 a.m.
- May 7 — VIMS, 10 a.m.
- May 8 — Campus Center, Sit-n-Bull, 9 a.m., 2 p.m.
- May 11 — Buildings and Grounds, 11:30 a.m.
- May 12 — CEBAF, 2:30 p.m.
- May 13 — CC, room C, 9 a.m., 2 p.m.
- May 14, Swem Library, Botetourt Theater, 9 a.m.
- May 15, Campus Center, room C, 9 a.m. 2 p.m.

# 1985-86 Grants and Research Report

## 1985-86 Grants and Research Highlights

- \* Expenditures for research and instruction from public and private grants totalled \$6.9 million in 1985-1986, an 8 percent increase over 1984-1985.
  - \* Expenditures for externally sponsored faculty projects in Arts and Sciences, Business, Education and Law were in excess of \$2.9 million in 1985-1986.
  - \* Externally sponsored research support at VIMS grew 26 percent in 1985-1986.
  - \* Federal, state and private grant support for research and instructional programs is equivalent to an additional \$1,000 per student and represents 10 percent of the total Education and General Budget for the university.
  - \* Approximately one fourth of the university's faculty members received some support from external agencies for their research interests.
  - \* Over 75 faculty members received compensation, including summer research salaries, from grants.
  - \* Over 160 students received at least partial support from research grant funds.
  - \* Indirect costs included in these awards generated over \$200,000 and provided over half of the amount needed to support the Summer and Semester Research Grants Programs. There has been an increase of two Summer Grants and two Semester Grants as a result of the faculties ability to increase the level of external support for research.
  - \* 33 faculty members received Summer Faculty Research Grants;
  - \* 24 faculty members were awarded Semester Research Assignments.
- These funds are a direct result of the initiative of the university's faculty members and their ability to compete on a national level for these awards.

David Kranbuehl, Director  
Grants and Research Administration

## The College of William and Mary Expenditures for Grants and Contracts 1985-86

Faculty of Arts and Sciences	\$2,633,300
School of Business Administration	143,655
School of Education	137,571
School of Law	36,999
School of Marine Science	2,940,752
Student Affairs	857,864
Other (Public Service, Library, Museums, Business Affairs)	165,292
<b>TOTAL</b>	<b>\$6,915,433</b>

### Faculty of arts and sciences

#### American studies program

Yentsch, Anne E., "Analysis of the Calvert Artifact Assemblage and Structures/Features at the Calvert Site," Historic Annapolis, Inc., \$23,219 (8/16/85 - 5/15/86).

#### Anthropology

Barka, Norman F., "Archaeological Survey: Lafayette Family—Lafayette Elderly Apartment Complex," Environmental Developers, Inc., \$2,500 (1/20/86 - 2/10/86).

Barka, Norman F. and Marley Brown, Colonial Williamsburg Foundation; "Archaeological Reconnaissance Survey of the Proposed Ware Creek Reservoir," James City County, \$19,564 (6/1/86 - 9/1/86).

Reinhart, Theodore R., "Phase II Archaeological Services Related to Route 17, Isle of Wight County," Virginia Department of Highways and Transportation, \$13,315 (1/20/86 - 3/15/86).

Reinhart, Theodore R., "Phase II Archaeological Services Related to Route 58, Greenville and Southampton Counties," Virginia Department of Highways and Transportation, \$28,655 (5/6/86 - 8/31/86).

Scherff, Susan, Norman F. Barka and Vinson H. Sutlive, "Intergovernmental Personnel Assignment to Fort Monroe," Department of the Army, \$36,763 (9/1/85 - 9/30/86).

#### Biology

Bartlett, Karen B., "Measurement of Biogenic Methane Emissions to the Global Troposphere," National Aeronautics and Space Administration, \$43,063 (2/1/86 - 1/31/87).

Beck, Ruth, "Non-Game and Endangered Species: Red-Cockaded Woodpecker Investigations," Virginia Commission of Game and Inland Fisheries, \$10,000 (7/1/86 - 6/30/87).

Byrd, Mitchell A., "Non-Game and Endangered Species: Bald Eagle Investigations, Colonial Waterbird Investigations, Osprey Population Survey and Productivity, Shorebird Studies, Peregrine Falcon Investigations, and Barn Owl Investigations," Virginia Commission of Game and Inland Fisheries, \$82,644 (7/1/85 - 6/30/86); \$76,423 (7/1/86 - 6/30/87).

Hoegerman, Stanton F., "Identification of Individuals with the Fragile X Syndrome," Eastern Virginia Medical School, \$9,048 (7/1/85 - 6/30/86).

Mangum, Charlotte P., "Adaptability of Blood Oxygen Carriers: Mechanisms and Evolutionary Origins," National Science Foundation, \$36,825 (3/1/86 - 8/31/87).

Scott, Joseph L., "Comparative Nuclear Cytology in the Red Algae," National Science Foundation, \$36,187 (10/1/85 - 3/31/87).

Vermeulen, Carl W., and Joseph L. Scott, "Electron Microscope Analysis of the Ontogeny of the K1 Capsule of *Escherichia coli* under Varying Conditions of Growth," Army Medical Research Acquisition Agency-Department of Defense, \$9,731 (9/1/85 - 6/30/86).

#### Chemistry

DeFotis, Gary C., "Magnetism and Phase Transitions of Transition Metal Compounds", National Science Foundation, \$28,400 (8/1/85 - 1/31/87); \$33,000 (8/1/86 - 4/30/88).

DeFotis, Gary C., "Magnetism of Two-dimensional and of Mixed Crystal Transition Metal Systems," Petroleum Research Fund, \$15,000 (9/1/85 - 8/31/87).

Djordjevic, Cirila, "Transition Metal Peroxo Complexes," National Science Foundation, \$31,144 (4/1/86 - 9/30/87).

Hill, Trevor B., "Preparation of Chemical Intermediates," Mobil Chemical Company, \$1,500 (6/17/85 - 5/16/86); \$20,520 (7/21/86 - 4/24/87).

Knudson, Stephen K., and John B. Delos, Department of Physics; "Classical and Quantum Mechanics of Atoms," Jeffress Memorial Trust, \$20,000 (12/1/85 - 11/30/86).

Kranbuehl, David E., "Characterization of High Temperature High Performance Materials Using Dynamic Dielectric Analysis along with Other Chemical Characterization Techniques," General Electric Company, \$40,000 (7/1/85 - 6/30/86).

Kranbuehl, David E., "Characterization of the Relationship of Dynamic Dielectric Properties to Cure Cycle Processing of High Temperature Composite Resins," Center for innovative Technology, \$20,000 (10/1/85 - 9/30/86); \$40,000 (11/1/85 - 12/31/86).

Kranbuehl, David E., "Characterization of the Relationship of the Cure Cycle Chemistry to Cure Cycle Processing Properties," National Aeronautics and Space Administration, \$79,990 (12/1/85 - 11/30/86).

Kranbuehl, David E., "Determination of the Conduction Mechanisms in High Performance Thermoset and Thermoplastic Matrix Resins: A Means to Enhance and Control their Electrical Conductivity," Lockheed Missile and Space Company, Inc., \$50,000 (6/1/86 - 12/31/86).

Kranbuehl, David E., "Dielectric Characterization of a Polyester Polymerization Reaction," United States Steel Corporation, \$1,800 (7/1/85 - 9/30/85).

Orwell, Robert A. and Richard L. Kiefer, "Space Environmental Effects on Polymeric Materials," National Aeronautics and Space Administration, \$19,665 (5/1/86 - 2/28/87).

Rice, Gary W., "Development and Application of Afterglow/Discharge Systems as Element Specific, Multielement Detectors for Gas Chromatography and Emission Spectroscopy," Jeffress Memorial Trust, \$15,000 (9/1/86 - 8/31/87).

Thompson, David W. and Melvyn D. Schiavelli, "The Synthesis of Pyrans Via the Lewis Acid Promoted Cyclization of Unsaturated Acetals," National Science Foundation, \$20,080 (9/1/86 - 2/29/88).

## Computer Science

**Bynum, William L.**, "Command/ Response Protocols and Concurrent Software," National Aeronautics and Space Administration, \$25,432 (4/4/86 - 4/3/87).

**Feyock, Stefan**, "Fault Diagnosis Based on System Dynamics Models," National Aeronautics and Space Administration, \$48,227 (10/1/85 - 8/31/86).

**McGehee, John**, "Development of Mathematical Models and Computer Programs for the Active Control Landing Gear Program," National Aeronautics and Space Administration, \$40,000 (2/1/86 - 10/1/86).

**Noonan, Robert E.**, "A Requirements Specification for a Software Design Support System," National Aeronautics and Space Administration, \$22,200 (3/1/86 - 11/30/86).

**Prosl, Richard H.**, "Industrial Affiliates Program," TRW Inc., \$7,000 (11/1/85 - 10/31/86).

## English

**Maccubbin, Robert P.**, "Continuity and Change," Virginia Foundation for the Humanities and Public Policy, \$2,600 (11/8/85 - 6/30/86).

## History

**Strong, George V., Edward P. Crapol and Gilbert H. McArthur**, "Toward the 21st Century: Historical Perspectives on America's Relationship with Europe and the Soviet Union," National Endowment for the Humanities, \$96,377 (1/1/86 - 6/30/87).

## Mathematics

**Andersen, Carl**, "Tire Nonlinear Model," National Aeronautics and Space Administration, \$82,970 (10/1/85 - 9/30/86).

## Modern Languages and Literatures

**Cloutier, Paul P., Howard M. Fraser; Virginia K. Laycock**, School of Education, "Intensive Language Immersion Institute," Department of Education/State Council of Higher Education for Virginia, \$29,673 (1/16/86 - 9/30/87).

**Mather, M. Clare**, "French Play Production," Williamsburg Arts Commission, \$400 (1/1/86 - 6/30/86); \$455 (7/1/86 - 6/30/87).

## Physics

**Adams, Sherry and Joseph Heyman**, "NDE Measurements on Composites," National Aeronautics and Space Administration, \$4,804 (4/1/86 - 6/1/87).

**Benner, D. Chris**, "Halogen Occultation Experiment Investigation," National Aeronautics and Space Administration, \$63,484 (1/1/86 - 12/31/86).

**Benner, D. Chris and Malathy D. Venkataraman**, "High Resolution Spectroscopy of Support Atmospheric Measurements," National Aeronautics and Space Administration, \$61,990 (4/1/86 - 3/31/87).

**Carli, Bruno**, "Analysis of Balloon-Borne Interferometer Data," National Aeronautics and Space Administration, \$7,500 (11/5/85 - 6/30/86).

**Carlson, Carl E. and Franz L. Gross**, "Topics of Theoretical Physics," National Science Foundation, \$42,750 (6/1/86 - 11/30/87).

**Champion, Roy L. and Lynn D. Doverspike**, "Negative Ion Detachment Cross Sections," Department of Energy, \$84,000 (3/1/86 - 2/28/87).

**Conradi, Mark S.**, "Condition-Jump NMR in Solids," Petroleum Research Fund, \$51,200 (9/1/85 - 8/31/88).

**Delos, John B.**, "Elementary Processes of Chemistry," National Science Foundation, \$51,000 (7/1/86 - 12/31/87).

**Delos, John B. and Stephen K. Knudson**, Department of Chemistry, "Classical and Quantum Mechanics of Atoms," Jeffress Memorial Trust, \$20,000 (12/1/85 - 11/30/86).

**Eckhause, Morton, John R. Kane, Robert T. Siegel and Robert E. Welsh**, "Experiments on the Interactions of Muons, Kaons, Antiprotons and Sigma Hyperons," National Science Foundation, \$455,000 (2/15/86 - 7/31/87).

**Eckhause, Morton, John R. Kane and Robert E. Welsh**, "Research Equipment: A Muon Rangefinder for Very Rare K-Long Decays," National Science Foundation, \$79,703 (4/1/86 - 9/30/87).

**Gordley, Larry L.**, "Data Inversion Algorithm for the Halogen Occultation Experiment," National Aeronautics and Space Administration, \$128,000 (11/16/85 - 11/15/86).

**Kossler, W. Jack and Kenneth G. Petzinger**, "Muon Spin Relaxation in Solids," National Science Foundation, \$81,000 (11/15/85 - 4/30/87).

**Krakauer, Henry**, "Electronic Structure, Geometry Equation-of-State, and Structural Transitions of d-band Surfaces and Solids and f-band Metals and Compounds," National Science Foundation Office of Advanced Scientific Computing, Supercomputer time (395 hours) equivalent to approximately \$575,000 (12/15/85 - 5/31/87).

**McMullin, Taylor and Joseph Heyman**, "Acoustic Measurements in Water," National Aeronautics and Space Administration, \$2,030 (3/1/86 - 8/29/86).

**Namkung, Min**, "Study of Static and Dynamic Stress Effects in Nonlinear Solids," National Aeronautics and Space Administration, \$43,774 (12/3/85 - 9/2/86).

**Perdrisat, Charles F., Herbert O. Funsten and J. Michael Finn**, "Nuclear Physics with Medium Energy Hadronic and Electromagnetic Probes," National Science Foundation, \$176,000 (7/1/85 - 12/31/86); \$179,915 (7/1/86 - 12/31/87).

**Perdrisat, Charles F., Herbert O. Funsten, J. Michael Finn, and Carey Stronach**, Virginia State University; "Nuclear Physics with Medium Energy Hadronic and Electromagnetic Probes," National Science Foundation, \$4,420 (11/1/85 - 12/31/86).

**Remler, Edward A.**, "Studies in Reaction Theory," National Science Foundation, \$8,000 (12/1/85 - 5/31/88).

**Runyan, Harry L.**, "Program of Research in Helicopter Aerodynamic Theory," National Aeronautics and Space Administration, \$29,400 (10/20/85 - 10/19/86).

**Vahala, George M. and Linda L. Vahala**, "Nonlinear Magneto-hydrodynamics and Transport Theory," Department of Energy, \$18,000 (1/1/86 - 12/31/86).

**von Baeyer, Hans C.**, "Feasibility Study of the Application of CEBAF Technology," Center for Innovative Technology, \$63,426 (6/1/86 - 5/31/87).

**Welch, Christopher A.**, "Quantitative NDE Imaging," National Aeronautics and Space Administration, \$61,263 (5/1/86 - 4/30/87).

**Winter, Rolf G.**, "U.S.-U.K. Cooperative Science: Experiments with the Rutherford Appleton Laboratory Muon Source and the CERN Low Energy Anti-proton Ring,"

National Science Foundation, \$13,660 (12/1/85 - 5/31/87).

**Wu, Meng-Chou and Joseph Heyman**, "Development of Software for Analysis of Backscatter Signals During Composite Cure," National Aeronautics and Space Administration, \$13,800 (6/1/86 - 5/31/87).

## Psychology

**Rohrbaugh, Michael J. and Neill P. Watson**, "Practicum in Family Therapy at Cumberland, a Hospital for Children and Adolescents," Cumberland Hospital, \$5,000 (9/1/85 - 6/30/86).

**Rohrbaugh, Michael J. and Neill P. Watson**, "Practicum in Family Therapy in Williamsburg-James City County Schools," Williamsburg-James City County Public School System, \$5,000 (9/1/85 - 5/31/86).

**Shaver, Kelly G. and John B. Nezelek; Roy L. Pearson**, School of Business Administration, and William D. Du Paul, School of Marine Science; "Technical Information Transfer in Innovative Technology: A Model Regional Survey," Center for Innovative Technology, \$69,475 (3/1/86 - 2/28/87).

## Religion

**Tiefel, Hans O.**, "Issues at the Beginning of Life: Conflicting Ethical Perspectives," Continental Corporation, Transworld Corporation, John P. Mascotte, and Steven Smith, \$4,000 (6/1/86 - 8/31/86).

## Theatre & Speech

**Palmer, Richard H.**, "1986 Virginia Shakespeare Festival," James City County, \$2,200 (7/1/85 - 6/30/86).

**Palmer, Richard H.**, "1986 Virginia Shakespeare Festival," York County, \$1,250 (7/1/85 - 6/30/86).

**Palmer, Richard H.**, "1986 Virginia Shakespeare Festival—Mainstage Production: 'The Beggar's Opera,'" Virginia Commission for the Arts, \$5,000 (6/1/86 - 8/31/86).

**Palmer, Richard H.**, "1986 Virginia Shakespeare Festival—Support for 'Love's Labour's Lost,'" Williamsburg Arts Commission, \$2,000 (6/1/86 - 8/31/86).

## Office of the Dean of the Faculty of Arts & Sciences

**Schiavelli, Melvyn D.**, Office of the Provost; and **Thomas Finn**, Dean of Undergraduate Studies, Arts and Sciences; "Teaching and Learning Across the Curriculum: The Challenge to Undergraduate Education," State Council of Higher Education for Virginia, Funds for Excellence Program, \$246,304 (7/1/86 - 6/30/88).

**Winter, Rolf G.**, "Assistantships at Eastern State Hospital in Clinical Psychology," Eastern State Hospital, \$32,001 (8/15/85 - 5/15/86).

## School of Business

**Holliday, Kathryn L.**, "Management Consulting Group," Small Business Administration, \$3,200 (10/1/84 - 9/30/85); \$1,600 (10/1/85 - 9/30/86).

**Mallue, Henry E.**, "Integrating Computerization into the Curriculum," Coopers and Lybrand Foundation, \$20,000 (7/1/86 - 6/30/87).

**Pearson, Roy L., William D. DuPaul,** School of Marine Science, Kelly G. Shaver

and John B. Nezelek, Department of Psychology; "Technical Information Transfer in Innovative Technology: A Model Regional Survey," Center for Innovative Technology, \$69,475 (3/1/86 - 2/28/87).

**Pulley, Lawrence B., Roy L. Pearson and Franklin E. Robeson**, "Econometric Model Development—Gas Turbines: Worldwide Supply and Demand," Virginia Power Company, \$19,986 (10/16/85 - 1/20/86).

## School of Education

**Adair, Fred L.**, "Family Counseling Program," Peninsula Area Cooperative Educational Services, \$20,475 (9/1/85 - 6/30/86).

**Gulesian, Mark G.**, "1986 Eastern Virginia Writing Project," Virginia Foundation for the Humanities and Public Policy, \$30,000 (3/14/86 - 7/31/87).

**Maidment, Robert and Robert Hanny**, "Management Development and Training Service," Virginia Department of Personnel and Training, \$5,865 (7/1/85 - 6/30/86).

**Prillaman, F. Douglas**, "Interrelated Regular and Special Education Doctoral Administration Training Program," Department of Education, \$85,750 (6/1/86 - 5/31/87).

## Marshall-Wythe School of Law

**Levy, John M. and Doris P. Edmonds**, "Juvenile Legal Advocacy Clinic," Virginia Department of Criminal Justice Services, \$24,421 (7/1/86 - 6/30/87).

**Levy, John M.**, "Post-Conviction Legal Assistance Project," Department of Justice, \$4,200 (10/1/85 - 9/30/86).

**Ott, Judith**, "Indian Education Fellowship Program," Department of Education, \$5,688 (8/26/85 - 5/26/86).

## School of Marine Science

**Austin, Herbert, Mark Chittenden and James Colvocoresses**, "Chesapeake Bay Stock Assessment," National Oceanic and Atmospheric Administration, \$258,000 (7/1/85 - 6/30/87).

**Austin, Herbert and James Colvocoresses**, "Juvenile Fish Trawl Data Base," National Oceanic and Atmospheric Administration/Council on the Environment, \$19,568 (1/1/86 - 6/30/87).

**Bender, Michael**, "Geo-chronological Survey of Lower Chesapeake Bay," Virginia Environmental Endowment, \$12,000 (4/1/86 - 3/31/87).

**Bender, Michael**, "Kepone Analysis," Virginia State Water Control Board, \$9,000 (7/1/85 - 6/30/86).

**Bender, Michael**, "Kepone Sample Analysis," Virginia Power Company, \$1,820 (4/15/86 - 6/30/86).

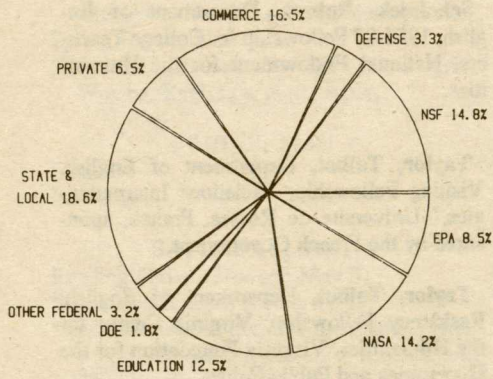
**Bender, Michael**, "PNA Sample Analysis," Virginia Department of Highways and Transportation, \$867 (5/1/86 - 6/30/86).

**Bureson, Eugene**, "Life Cycle Studies of Oyster Pathogens using Enzyme Immunoassay Technique," Sea Grant/National Oceanic and Atmospheric Administration, \$18,804 (1/1/86 - 12/31/86).

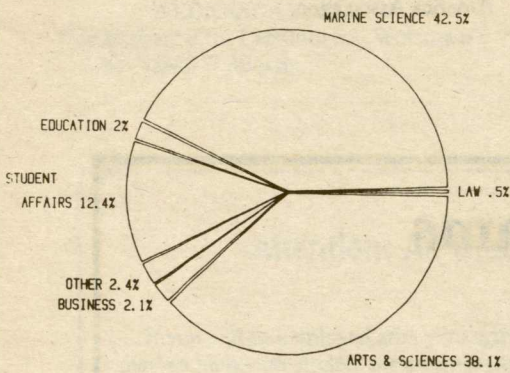
**Byrne, Robert**, "Newport Island Evaluation," Peninsula Ports Authority, \$238,347 (7/1/85 - 8/31/86).

**Cerco, Carl**, "Evaluation of Sediment Oxygen Demand, Upper Potomac Estuary," Hydroqual, \$40,000 (6/10/86 - 12/31/86).

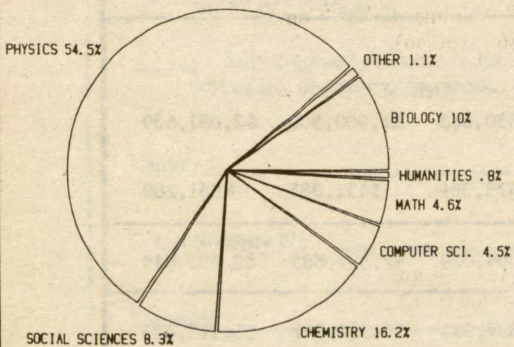
## Source of Funds 1985-86 expenditures



## Sponsored programs expenditures



## Faculty of Arts and Sciences 1985-86 expenditures



**Chu, Fu-Lin**, "Fatty Acids in the American Oyster," National Science Foundation, \$90,000 (8/1/85 - 1/31/88).

**Chu, Fu-Lin**, "Investigation of Acquired Immunity Adaptive Response in the American Oyster," Sea Grant/National Oceanic and Atmospheric Administration, \$35,644 (1/1/86 - 12/1/88).

**DeFur, Paul**, "Tributary Sediment Organics," Virginia State Water Control Board, \$13,640 (4/1/86 - 11/30/86).

**Diaz, Robert J.**, "Field Validation of a Benthic Microcosm System," Environmental Protection Agency, \$283,248 (10/22/85 - 1/21/87).

**Diaz, Robert and Linda Schaffner**, "Dredging Studies Baltimore Harbor," Army Corps of Engineers, \$45,763 (12/12/85 - 12/12/86).

**Diaz, Robert and Linda Schaffner**, "Fowl River Benthic Profiling," Taxonomic Associates, \$50,995 (6/1/85 - 5/31/87).

**DuPaul, William D.; Roy L. Pearson**, School of Business Administration, Kelly G. Shaver and John B. Nezek, Department of Psychology; "Technical Information Transfer in Innovative Technology: A Model Regional Survey," Center for Innovative Technology, \$69,475 (3/1/86 - 2/28/87).

**DuPaul, William**, "Sea Grant Marine Advisory Services," Sea Grant/National Oceanic and Atmospheric Administration, \$443,142 (1/1/86 - 12/31/86).

**Ellis, Lehman**, "Cryopreservation of Commercially Important Marine Bivalve Gametes and Larvae," Sea Grant/National Oceanic and Atmospheric Administration, \$29,906 (1/1/86 - 12/31/86).

**Ellis, Lehman**, "Establishment of Oyster Cell Lines," Jeffress Memorial Trust, \$35,000 (1/1/86 - 12/31/88).

**Haas, Leonard**, "Saline Waters, Review and Historic Analysis," Sea Grant/National Oceanic and Atmospheric Administration, \$36,000 (7/1/85 - 12/31/86).

**Hargis, William**, "Ulcer Disease Project," Sea Grant/National Oceanic and Atmospheric Administration, \$1,000 (5/1/86 - 12/31/86).

**Hobbs, Carl**, "Resources of Fossil Shell, Rappahannock River," Sea Grant/National Oceanic and Atmospheric Administration, \$21,533 (1/1/86 - 12/31/86).

**Hobbs, Carl**, "Assessment of Economic Heavy Minerals," Virginia Division of Mineral Resources, \$40,050 (4/1/86 - 1/31/87).

**Huggett, Robert**, "Bay Monitoring/Sediment," Environmental Protection Agency/Virginia State Water Control Board, \$7,930 (1/1/86 - 11/30/86).

**Huggett, Robert**, "TBT Monitoring," Trust, Johns Hopkins University, \$50,000 (5/13/86 - 10/31/86).

**Kator, Howard**, "Evaluation of Contaminated Relaying in Hard Clams," Sea Grant/National Oceanic and Atmospheric Administration, \$47,886 (1/1/86 - 12/31/86).

**Kator, Howard**, "Relayed Shellfish in the Lower Bay," Sea Grant/National Oceanic and Atmospheric Administration, \$11,000 (1/1/86 - 12/31/86).

**Kator, Howard**, "Shellfish Workshop," Sea Grant/National Oceanic and Atmospheric Administration, \$10,000 (1/1/86 - 12/31/86).

**Kiley, Kevin**, "Commonwealth Land Cover Maps," Virginia Department of Planning and Budget, \$17,000 (7/1/85 - 6/30/86).

**Kiley, Kevin**, "Land Cover Mapping," Virginia Polytechnic Institute and State University, \$16,340 (8/1/85 - 7/1/86).

**Kuo, Albert and Carl Cerco**, "Model Studies: Sediment Oxygen Demand, Pagan River," Guy and Davis, \$6,000 (6/12/86 - 10/31/86).

**Lawrence, Lee**, "Chesapeake Bay-Related Teaching Materials," Virginia Research Education Council, \$6,000 (6/1/86 - 12/31/86).

**Lawrence, Lee**, "Marine Science Mentorship," Virginia Department of Education, \$4,418 (6/10/86 - 7/31/86).

**Loesch, Joseph**, "Assessment of the Commercial Fishing Effort in Virginia," National Oceanic and Atmospheric Administration/Virginia Marine Resource Commission, \$19,993 (11/1/85 - 10/31/86).

**Loesch, Joseph and William Kriete**, "Alosa Stocks Composition," National Marine Fisheries Service, \$70,000 (5/15/86 - 1/31/87).

**Loesch, Joseph and William Kriete**, "Experimental Stocking of Striped Bass," Fish and Wildlife Service/Virginia Marine Resources Commission, \$5,500 (5/10/86 - 5/31/86).

**Lynch, Maurice**, "Cooperative Agreement with Chesapeake Research Consortium," Chesapeake Research Consortium, \$40,715 (10/1/85 - 9/30/86).

**Lynch, Maurice**, "Cooperative Research Education," Scientific Environmental Associates, \$8,813 (9/1/85 - 8/31/86).

**Lynch, Maurice**, "Site Selection: National Estuarine Sanctuary," National Oceanic and Atmospheric Administration, \$10,000 (8/1/85 - 2/28/86).

**MacIntyre, William G.**, "Sorption of Organic Mixture Components," Intergovernmental Personnel Assignment to United States Air Force, \$60,000 (6/1/86 - 5/31/87).

**Mann, Roger**, "Analysis on Machipongo River," Virginia Department of Highways and Transportation, \$4,700 (4/1/86 - 6/30/86).

**Mann, Roger**, "Influence of Low Oxygen Tensions on Larvae," Sea Grant/National Oceanic and Atmospheric Administration, \$20,000 (7/1/85 - 12/31/85).

**Mann, Roger**, "Sampling at Lakewood Bridge Site," Virginia Department of Highways and Transportation, \$4,386 (10/23/85 - 11/30/85).

**Mason, Patrice and Frank Perkins**, School of Marine Science; "Task Assignment #5: TEM Studies," National Aeronautics and Space Administration, \$10,000 (9/15/85 - 9/14/86).

**Musick, John A.**, "Empress Site—Sea Turtle Census," Naval Sea Systems Command, \$48,840 (7/26/85 - 2/28/86).

**Musick, John A.**, "Empress Study—Sea Turtle Census," University of Maryland Center for Environmental and Estuarine Studies, \$99,995 (4/25/86 - 4/24/87).

**Neilson, Bruce**, "Bay Monitoring/Water," Environmental Protection Agency/Virginia State Water Control Board, \$174,928 (1/1/86 - 11/30/86).

**Neilson, Bruce**, "Evaluation of Ware Creek," James City County, \$35,938 (6/10/86 - 9/9/86).

**Neilson, Bruce**, "Pagan River Benthic Oxygen Demand," Guy and Davis, \$3,350 (7/12/85 - 12/31/85).

**Neilson, Bruce**, "Testing Water Samples," Richmond Regional Planning District Commission, \$2,927 (8/1/85 - 12/31/85).

**Norcross, Brenda**, "Seasonal Recruitment of Croaker and Flounder," Sea Grant/National Oceanic and Atmospheric Administration, \$18,923 (6/1/86 - 6/30/86).

**Orth, Robert J.**, "Distribution and Abundance of Sub-Aquatic Vegetation," Environmental Protection Agency/Virginia State Water Control Board, \$59,410 (6/1/86 - 4/15/87).

**Orth, Robert J.**, "Distribution of Sub-Aquatic Vegetation," Philadelphia Academy of Sciences, \$11,625 (7/1/85 - 3/31/87).

**Orth, Robert J.**, "Mapping of Submerged Aquatic Vegetation," Fish and Wildlife Service, \$25,000 (8/16/85 - 8/15/86).

**Orth, Robert J. and Jacques van Montfrans**, "The Role and Value of Shallow Water Habitats," Sea Grant/National Oceanic and Atmospheric Administration, \$41,548 (1/86 - 12/31/86).

**Thoney, Dennis**, "Humoral Immunological Response of Spot," Lerner Gray Fund of the American Museum of Natural History, \$400 (5/21/86 - 5/20/87).

**Webb, Kenneth**, "Is Phosphorus Removal an Efficient/Effective Chesapeake Management Practice?" National Oceanic and Atmospheric Administration/Council on the Environment, \$55,000 (10/1/85 - 9/30/86).

**Weeks, B.A.**, "Immunotoxicity of Carcinogens using Fish Model Systems," Duke University, \$3,750 (9/1/85 - 6/30/86).

**Weeks, B. A. and Ernest Warinner**, "The Effects of Environmental Pollutants on the Cellular Immune Response of Fish," Sea Grant/National Oceanic and Atmospheric Administration, \$13,626 (1/1/86 - 12/31/86).

**Wright, L. D.**, "Sidescan Sonar Survey of Artificial Reef Sites," Virginia Marine Resources Commission, \$7,074 (10/1/85 - 12/31/85).

**Wright, L. D. and Robert Gammisch**, "Mud Underflow Dynamics II," Louisiana State University, \$54,379 (3/1/86 - 2/28/87).

### Office of Student Affairs

**McCormick, Edward K.**, Office of Student Financial Aid; "College Work Study Program," \$145,472; "National Direct Student Loan Program," \$111,715; "Pell Grant Program," \$246,090; "Supplemental Educational Opportunity Grants Program," \$61,440; Department of Education (7/1/86 - 6/30/87).

**Sadler, W. Samuel and Carroll F. Hardy**, Office of Minority Affairs, "Creating Higher Aspirations and Motivation Program (CHAMP)," State Council of Higher Education for Virginia, \$35,350 (7/1/86 - 6/30/87).

**Sadler, W. Samuel and Carroll F. Hardy**, Office of Minority Affairs; "Virginia Student Transition Program," State Council of Higher Education for Virginia, \$49,970 (7/1/86 - 6/30/87).

### Other

**Holmes, Carolyn C.**, Ash Lawn-Highland; "Ash Lawn Summer Festival 1986," Virginia Commission for the Arts, \$4,000 (7/1/86 - 6/30/87).

**Holmes, Carolyn C.**, Ash Lawn-Highland; "Bob Brown Puppets," Virginia Commission for the Arts, \$120 (6/27/86 - 6/28/86).

**Johnson, Mark M.**, Muscarelle Museum of Art; "Muscarelle Museum Gallery/Studio Program," Williamsburg Arts Commission, \$2,400 (7/1/86 - 6/30/87).

**Robinson, Dale B.**, Office of Affirmative Action/Equal Employment Opportunity; "Graduate Fellowship Program," Department of Education, \$48,300 (9/1/86 - 8/31/87).

## Faculty Fellowship Awards

**Axtell, James**, Department of History, Fellowship, American Council of Learned Societies.

**Axtell, James**, Department of History, 1986-87 Fellowship for Independent Study and Research, National Endowment for the Humanities.

**Braxton, Joanne**, Department of English, Research Fellowship for Recent Recipients of the Ph.D., American Council of Learned Societies.

**Champion, Roy**, Department of Physics, Travel Grant to Joint U.S. Mexico Symposium on Two Electron Phenomena, National Science Foundation.

**Cobb, William**, Department of Philosophy, 1986 Summer Seminar, National Endowment for the Humanities.

**Diduk, Elsa**, Department of Modern Languages and Literatures, Project Director for 1986 Virginia Humanities Conference, "Aging in a Humanistic Perspective," Virginia Foundation for the Humanities and Public Policy.

**Donaldson, Susan**, Department of English, 1986 Summer Seminar, National Endowment for the Humanities.

**Fashing, Norman**, Department of Biology, Travel Support to Attend the Seventh International Congress of Acarology in Bangalore, India, Special Foreign Currency Program, Smithsonian Institution.

**Field, Stephen**, Department of Modern Languages and Literatures, 1986 Summer Seminar, National Endowment for the Humanities.

**Freeman, A. Z.**, Department of History, 1986 Bye-Fellow, Robinson College, Cambridge University.

**Freeman, Margaret**, Department of Music, 1986 Bye-Fellow, Robinson College, Cambridge University.

**Greenia, George**, Department of Modern Languages and Literatures, Travel to Collections Grant, National Endowment for the Humanities.

**Haulman, Clyde**, Department of Economics, Fulbright Professorship at Wuhan University, People's Republic of China.

**Hausman, William**, Department of Economics, 1986 Travel Grant, American Council of Learned Societies.

**Hoak, Dale**, Department of History, 1986-87 Fellowship for Independent Study and Research, National Endowment for the Humanities.

**Holmes, David**, Department of Religion, Residency Fellowship, Virginia Center for

the Humanities, Virginia Foundation for the Humanities and Public Policy.

**Houle, Martha**, Department of Modern Languages and Literatures, Travel to Collections Grant, National Endowment for the Humanities.

**Johnson, Gerald**, Department of Geology, 1986 Summer Fellowship, National Aeronautics and Space Administration/American Society of Engineering Education.

**Klefer, Richard**, Department of Chemistry, 1986 Summer Fellowship, National Aeronautics and Space Administration/American Society of Engineering Education.

**Kornwolf, James**, Department of Fine Arts, Adviser, Summer 1986 Younger Scholars Award to Sharon Clarke, Department of History, National Endowment for the Humanities.

**Kornwolf, James**, Department of Fine Arts, Consultant, author & curator, "In Pursuit of Beauty" Catalog and Exhibit, Metropolitan Museum of Art (10/23/86 - 1/11/87) National Endowment for the Humanities and Meredith Corporation.

**Maccubbin, Robert**, Department of English, 1986 Summer Symposium, National Endowment for the Humanities.

**MacGowan, Christopher**, Department of English, 1986 Summer Stipend, National Endowment for the Humanities.

**Monson, Donald**, Department of Modern Languages and Literatures, 1986-87 Fellowship for College Teachers, National Endowment for the Humanities.

**Nettels, Elsa**, Department of English, 1986 Summer Seminar, National Endowment for the Humanities.

**Rublein, George**, Department of Mathematics, 1986 Summer Fellowship, National Aeronautics and Space Administration/American Society for Engineering Education.

**Scholnick, Robert**, Department of English, 1986-87 Fellowship for College Teachers, National Endowment for the Humanities.

**Taylor, Talbot**, Department of English, Visiting Fellowship, "Relations Internationales," Universite de Rennes, France, sponsored by the French Government.

**Taylor, Talbot**, Department of English, Residency Fellowship, Virginia Center for the Humanities, Virginia Foundation for the Humanities and Public Policy.

**Vermeulen, Carl**, Department of Biology, 1986 Fulbright Travel Award, Copenhagen, Denmark.

**Ward, Alan**, Department of Government, Senior Fellow, Queens University, Belfast, Ireland.

**Zaki, Ahmed**, School of Business Administration, 1986 Summer Fellowship, National Aeronautics and Space Administration/American Society for Engineering Education.

**Zamora, Mario**, Department of Anthropology, Fulbright Travel Award, University of Trondheim, Norway and Marshall Fund Research Award, Oslo, Norway, Norway-America Association.

## Expenditures for Sponsored Programs 1977/78 - 1985/86

	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
<b>ARTS AND SCIENCES, BUSINESS, EDUCATION, LAW, STUDENT AFFAIRS AND OTHER</b>									
Federal Funds Expended									
Faculty Projects	\$604,820	\$656,573	\$905,282	\$1,353,455	\$1,493,904	\$1,488,540	\$1,396,604	\$2,564,101	\$2,386,398
Student Aid	275,329	351,774	684,010	640,925	581,753	605,962	684,584	663,332	708,999
State and Local Funds Expended	106,765	139,098	123,944	180,529	142,711	210,881	268,559	405,757	515,548
Private Funds Expended	61,295	155,256	109,633	124,892	120,735	315,583	449,218	403,506	371,569
<b>SUBTOTAL: (A &amp; S, Business, Education, Law, Student Affairs and Other)</b>	<b>\$1,048,209</b>	<b>\$1,302,701</b>	<b>\$1,822,869</b>	<b>\$2,299,801</b>	<b>\$2,339,103</b>	<b>\$2,620,966</b>	<b>\$2,798,965</b>	<b>\$4,036,696</b>	<b>\$3,982,514</b>
<b>MARINE SCIENCE / VIMS</b>									
Federal Funds Expended	*	*	\$4,192,167	\$3,444,057	\$2,380,052	\$1,743,572	\$1,530,665	\$1,900,500	\$2,081,639
State, Local and Private Funds Expended	*	*	\$1,721,167	\$2,550,138	\$364,713	\$335,535	\$478,364	\$432,385	\$851,280
<b>SUBTOTAL: (VIMS)</b>	<b>*</b>	<b>*</b>	<b>\$5,913,334</b>	<b>\$5,994,195</b>	<b>\$2,744,765</b>	<b>\$2,079,107</b>	<b>\$2,009,029</b>	<b>\$2,332,885</b>	<b>\$2,932,919</b>
<b>TOTAL EXPENDITURES</b>	<b>*</b>	<b>*</b>	<b>\$7,736,203</b>	<b>\$8,293,996</b>	<b>\$5,083,868</b>	<b>\$4,700,073</b>	<b>\$4,807,994</b>	<b>\$6,369,581</b>	<b>\$6,915,433</b>

\*VIMS officially became part of William and Mary on 7/1/79.

# Calendar

## WEDNESDAY, APRIL 29

Philosophy brown bag lunch: "Raymundus Lullus and Sufi Mysticism" by Arjo Vanderjagt, chair of medieval philosophy, University of Groningen, The Netherlands, philosophy department faculty lounge, Wren Building, noon.

## THURSDAY, APRIL 30

Town and Gown Luncheon: Botetourt Chamber Singers at the Wren Chapel, directed by Frank Lendrim, music, noon.  
Spring Honors Luncheon  
Holocaust Concert by the Nova Trio, Wmsbg. Regl. Lib. Aud., 8 p.m.

## FRIDAY, MAY 1

Exams  
Law Day

## SATURDAY, MAY 2

Reading Period (Through May 3)  
Wren Chapel organ recital, 11 a.m.  
\*The Chamber Ballet, Phi Beta Kappa Hall, 8 p.m. \$7 adults, \$5 senior citizens and \$4 children under 12.

## SUNDAY, MAY 3

Exhibit Introduction: "Italian Renaissance Art: Selections from the Piero Corsini Gallery" by Genevra Kombluth, visiting professor of fine arts, Muscarelle Museum, 1 p.m.  
\*The Chamber Ballet, Phi Beta Kappa Hall, 2:30 p.m. \$7 adults, \$5 senior citizens and \$4 children under 12.

## MONDAY, MAY 4

Exam Period (Through May 8)

## TUESDAY, MAY 5

\*Feldman Chamber Music Series, Wmsbg. Regl. Lib. Aud., 8 p.m.

## WEDNESDAY, MAY 6

Oceanography for Landlubbers, Watermen's Hall, VIMS, 7:30 p.m.

## THURSDAY, MAY 7

FACULTY RECITAL: Judy Zwelling, piano, Wmsbg. Regl. Lib. Aud., 8 p.m.

## FRIDAY, MAY 8

## SATURDAY, MAY 9

Reading Period (Through May 10)  
Wren Chapel organ recital, 11 a.m.

## SUNDAY, MAY 10

\*At Ash Lawn-Highland (Charlottesville): Eighth Annual Kite Day, noon; judging at 4 p.m. Spectators, \$1. Raindate: May 17)

## MONDAY, MAY 11

Exam Period (Through May 12)

## TUESDAY, MAY 12

## WEDNESDAY, MAY 13

\*Forum of Williamsburg: "Changing the System Means Changing Ourselves" by Miriam Cardi, Psychological Associates; Ronnie Nowak, communications administrator, James City County; and Anne Pratt, assistant to the vice president, university advancement, Cascades Restaurant, noon. \$8.

## THURSDAY, MAY 14

## FRIDAY, MAY 15

## SATURDAY, MAY 16

Baccalaureate Service, W&M Hall, 9:30 a.m.  
Wren Chapel organ recital, 11 a.m.

## SUNDAY, MAY 17

Commencement, W&M Hall  
ROTC Commissioning, PBK  
50th Reunion Weekend

## EXHIBITS

MUSCARELLE MUSEUM: "Italian Renaissance Art: Selections from the Piero Corsini Gallery" (Through May 31)

ANDREWS GALLERIES: "Senior Show" (Through May 17)

ZOLLINGER MUSEUM: "Five Generations: The Tucker-Coleman Women and Their Times"



## Teen-age interns sought

For the fourth consecutive season, the Virginia Shakespeare Festival is seeking teen-age interns from the Williamsburg, James City County or York County areas interested in pursuing theatre as a career.

The festival will consider applications of all interested students, grades eight through 12, and interview/auditions will be scheduled with the most likely candidates. Selection will be based on evidence of an ongoing interest in the theatre; on the individual's experience in production and/or performance, including music; and on the likeliness of the student to profit from the experience.

Interns will receive a stipend provided by the Williamsburg Arts Commission.

The high school internship program was begun in 1984 as the Dortha Skelton Memorial Internship. Since that time, the arts commission has provided resources to continue the program. Last season's interns were David Weeks, David Esler and Tina Dow, all of Williamsburg.

Applications should be made by letter to the Summer Internship Program, Virginia Shakespeare Festival, College of William and Mary, Williamsburg, VA 23185. Letters should arrive no later than Friday, May 8. For further information, students and parents may call the festival at 253-4377.

## Bond campaign

The 1987 State Savings Bond Campaign has been titled "The Great American Investment," and state employees are invited to take an active part.

Last year, state employees set a new record in signing up for Savings Bonds with 6,285 new and increased savers. This increase is of particular importance, says Paulette McCluney-Mason, benefits administrator, "because it shows that our employees are thinking of investing for the future for themselves or for their children and grandchildren."

McCluney-Mason invites employees who wish to know more about the payroll savings plan to call her at ext. 4214.

## Coffee cantata

J. S. Bach's Coffee Cantata will be performed in the Governor's Palace spring concert series, presented by Colonial Williamsburg in the candlelit ballroom of the palace at 8 and 9:30 p.m., April 30 and May 7.

The Coffee Cantata, which is almost contemporary in theme, relates the tale of an overprotective father determined to isolate his daughter from the evils of society, coffee and the coffeehouses in which it was served.

James Darling, organist and choirmaster at Bruton Parish Church and lecturer in music, will play the harpsichord and direct the Governor's Musicians.

Alexander Martin, a senior, will portray the ill-tempered father, Schlendrian. David Parks, a member of the music faculty, will be the narrator and will also sing three songs from 18th-century plays known to have been performed in Williamsburg during its colonial heyday.

Tickets are \$10 and may be purchased in advance at the Visitor's Center or at the door the evenings of performance.

## Theatre party slated May 8

The College Women's Club invites members and their guests to the Williamsburg Players' production of Tom Stoppard's play, "The Real Thing," at 8 p.m., Friday, May 8.

Those attending are asked to meet at the Williamsburg Players Theater on Hubbard Lane no later than 7:45 p.m. A wine reception with the cast will follow the production.

Cost of the ticket and reception is \$5 per person. Reservations must be made before May 1 by sending a check, payable to the College Women's Club, to Linda Vahala, 138 Nina Lane, Williamsburg, VA 23185.

## Attention: All Graduate Assistants

If you will be employed after your spring semester classes are completed, you may no longer be eligible for an exclusion from Social Security Tax.

The tax will be withheld effective May 16. In addition, unless the Social Security (FICA) exclusion form below is completed, signed and returned to the Office of Personnel Services, Thiemes House, no later than 5 p.m. May 21, the tax will continue to be withheld throughout the summer.

### SOCIAL SECURITY EXCLUSION

I certify that I qualify for a student FICA exclusion because I am (or will be): (check one)

- enrolled and attending classes in the Summer Session 1987
- enrolled and attending classes in the Summer Session 1987 and I have an "F" or "J" Visa
- fully engaged in research during the Summer Session 1987, which is part of my degree requirements.

Name \_\_\_\_\_

Social Security No. \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

## Memorial Day Closing

The College and Virginia Institute of Marine Science will be closed Monday, May 25 to observe Memorial Day.

The administrative offices, the plant department and the campus mail room will be closed with the exception of essential employees who are required to work. The Campus Police Department will maintain its regular schedule.

The names of permanent classified employees and William and Mary support personnel who are required to work must be reported in writing to the Personnel Services Office by June 1 in order that these employees may be credited with compensatory leave on an hour-for-hour basis.

With the approval of management, compensatory leave earned should be taken as soon as possible after the holiday on which it was earned. Compensatory time not taken within 12 months will lapse. Hourly employees who are required to work on the holiday will be paid at their regular hourly rates.

On behalf of the administration of the university, I hope that each member of the community has a safe and enjoyable holiday.

Melvyn D. Schiavelli  
Provost

# Employment

The following positions at the College are open to all qualified individuals. Call 229-JOBS for further information, or visit the Employee Relations Office in Thiemes on Richmond Road for information and application forms, Monday-Friday, 8 a.m.-4 p.m. An EEO/AA employer.

The deadline for applications for the following positions is 5 p.m., May 8, unless otherwise noted.

**CUSTODIAL WORKER** (unclassified) — \$4.32 per hour, part time approximately 35 hours per week. Two positions available. Location: Buildings and Grounds.

**FISCAL TECHNICIAN** (unclassified) — \$6.74 per hour, part time, approximately 35 hours per week. Location: General Accounting.

**OFFICE SERVICES ASSISTANT** (unclassified) — \$5.64 per hour, part time, approximately 35 hours per week. *This is a temporary, six-month appointment.* Two positions available. Location: Swem Library.

**MARINE SCIENTIST C** — Commercial Fisheries Specialist (Grade 14) — Entry salary \$28,602. No. 340. *This is a restricted appointment, which will expire Dec. 31.* Location: VIMS (Advisory Services). *Deadline* May 15.

**MARINE SCIENTIST C** — Marine Business Management Specialist (Grade 14) — Entry salary \$28,602. No. 519. *This is a restricted appointment, which will expire Dec. 31.* Location: VIMS (Advisory Services). *Deadline* May 15.

**MARINE SCIENTIST B** — Chesapeake Bay Instructor (unclassified) — Salary range \$11.51 to \$15.71 per hour, part time approximately 35 hours per week for 40 weeks, Aug. 16-June 15. Location: VIMS (Advisory Services). *Deadline* May 15.

# Classified Advertisements

Classifieds are carried as a service to members of the College community only. There is a charge of \$3 for an advertisement of 40 words or less in three consecutive issues. Copy changes constitute a new advertisement. Copy and payment should reach the News Office (James Blair 310A) no later than 5 p.m. the Friday preceding the first insertion.

## FOR SALE

For sale by owner, two-story frame house, three bedrooms, two baths, two studies, wood floors, garage. Close to College. Call 229-8901. (5/13)

St. George's Hundred. Multi-leveled home with 4 BR, 2 baths, recreation/family room, large kitchen with fireplace, living room with cathedral ceiling and dining room, both opening onto deck and enclosed yard. Nearly VEPCO-free with solar heat, solar hot water, wood stove in living room and Andersen windows throughout. 2,600 square-foot house, plus 400 square-foot deck on a half-acre, wooded corner lot. \$138,500. Call 229-8532. (5/13)

Sleeper sofa, excellent condition; oak desk; twin mattress and box spring; dresser. Must sell. Call 229-0053, after 5 p.m. (5/13)

Radio Shack Duo-phone answering machine with remote, \$75; 4-drawer wooden dresser, \$55; 11'x7' beige carpet remnant, \$30; 16-piece set dishes, \$10; All items are in excellent condition. Call Rhonda at 220-1317. (5/13)

Airplane ticket: Norfolk to Chicago, one-way. Depart 8 a.m., May 18. \$60. Call Bob at 220-9416. (5/13)

1974 Mustang II Ghia, excellent body and running condition. AM/FM radio, AC, power steering, power brakes. \$950. Call 271-3276. (5/6)

Two-year-old 19" color TV with remote control, \$175; oak stand, \$30; 4-drawer letter-size filing cabinet, \$45. Call 229-7073. (5/6)

New, Fuji bicycle, blue, three-speed with accessories. \$150. Call 887-8316 after 6 p.m. (5/6)

Moving sale: Large metal desk (6'x3'), \$30; small coffee table, \$10; end table, \$10; two-drawer night table, \$30; desk chair, \$10; assorted lamps, \$5 each; assorted throw rugs and other assorted small items. Must sell. All items in good condition. Please call 229-6257. (5/6)

Matching couch, chair, loveseat and hassock. Used, but in excellent conditions. Call Samantha at 253-2484. (5/6)

Hammond spinet organ, \$350; portable Jacuzzi, \$50; antique Victorian love seat and table in excellent condition, \$500; antique lamp, \$50. Call 229-9856. (5/6)

Comfortable, big, brown chair, \$10; two black wood end-tables, \$10 each (can be sold separately); rose-colored rug, \$15; dark wood twin-size bookcase headboard with three sections, \$20. Prices negotiable. Call 253-1917. (4/29)

By owner. Year-old home in the Meadows. Three carpeted bedrooms, 2 baths, large living areas, fireplace, skylights, beautiful wood floors and woodwork, deck, garden house, wooded lot. Minutes from College and CW. \$109,000. Call 253-1068, evenings and weekends. (4/29)

By owner. Two-story, brick house. Four bedrooms, 3 1/2 baths, study, family room. Three blocks from College — 525 Newport Ave. Call 253-5775 for appointment. (4/29)

Couch, good condition, \$75. Dining room set with table and four chairs, excellent condition, \$100. Call 229-3435. (4/29)

## FOR RENT

Village Green. Two-BR, 2 1/2-bath townhouse. Terrace and porch. Adult community. One-year lease at \$650 per month or sale at \$89,000. Call owner, 229-5557. (5/13)

For graduate student. Attractively decorated private room in apartment; share bath; kitchen and laundry privileges. \$190 per month plus 1/3 utility bill during air conditioning season. Pool privileges during summer. Available immediately or June 1. Please call 229-8946. (5/6)

Three- or 4-BR, 2-bath rancher, Old Towne Road area. Fourth bedroom ideal as den, study or separate access bedroom. \$600 per month. Lease and deposit. Call 229-5545, 9 a.m.-10 p.m.; or 229-2069. (5/6)

New townhouses, 2 miles from campus, two and three bedrooms, 1 1/2 baths, full kitchen appliances, washer and dryer optional. \$485 for 2-BR, available immediately; \$500 for 3-BR available July or Aug. Call 253-6458. (4/29)

Two-bedroom apartment, Jamestown Commons. Lease June 1-May 31. \$475 per month; one-month's rent deposit required. Call 229-6430, evenings. (4/29)

Currently vacant, but not for long. Beautiful, spacious, well-kept 3-BR Priorslee townhouse. Two and a half baths, washer/dryer hookups, all appliances including microwave. Fireplace, extra closet space. Conveniently located 1 1/2 miles from College. Deposit and references required. A bargain at \$600 per month plus utilities. Call 220-3251. (4/29)

Nags Head condo for rent, May 9-16. Ocean-front, pool, hot tub, cable TV, etc. Sleeps four, room for more on floor, \$300 for week. Call Howard Kelin, 1-788-8345, office; 253-2249, home. (4/29)

Townhouse for rent, Jamestown 1607. Three bedrooms, 1 1/2 baths, refrigerator, dishwasher and washing machine, included. End unit near swimming pool and recreational area, \$525. Call 229-9350. (4/29)

## WANTED

Looking for a roommate to share a very nice apartment with a male quadriplegic student during both summer sessions. Need someone by May 1. Call Margaret Barker, ext. 4247. (5/6)

A furnished apartment or house near College for a visiting professor and wife for 1987-88. Call Alan Ward, ext. 4482. (5/6)

Looking for people moving near the D.C. area after graduation to share housing, expenses, etc. Call Rich at ext. 5515 or come by Jefferson 326 to talk. (5/6)

People needed to serve as attendants for quadriplegic (a couple hours morning and evening) during the summer session and possibly through fall semester. No experience required. \$5 per hour. Contact Margaret Barker, ext. 4247. (4/29)

Students! W&M graduate seeks to hire a couple of students for spring, summer, fall work. Decent pay; flexible hours (Monday-Friday; can

be scheduled around a summer course). Mostly involves painting, some repair-type work. Experience preferred (will train), but attitude, reliability more important. Need own transportation. Could use weekend/afterschool help now. For more information, call Painting, Etc., after 7 p.m. at 220-3251. (4/29)

Babysitter in my home, 7:30 a.m.-12:30 p.m. One child, six months old. Norge area. Transportation required. Salary negotiable. Call 564-0249 after 2 p.m. (4/29)

## MISCELLANEOUS

Many small repairs (installation of storm windows, storm doors — always a good idea in our climate), uncomplicated wall-to-wall bookcases, chair railings, etc. Also line up your summer/fall painting (interior/exterior) and house washing now. Quality work at reasonable prices. Scores of local references including many departments at the College. Call Rich Nelson at 220-3251 for a free consultation or estimate. (4/29)

We have horse manure galore, but loading's a job I abhor. Help yourself to this filth, improve your soil's tilth and come back next fall for more. J. Clement, Forge Road, Toano, 566-1110 or ext. 4204. (4/29)

## INSTRUCTION

Piano lessons: Experienced teacher with master's degree from Peabody Conservatory offers piano and music theory lessons for all ages and levels. Reasonable rates — Lafayette Manor location. Gayle Pougher, 565-0563, evenings. (4/29)

## FOUND

Prescription glasses found in Jones 307 on April 10. See Dorothy McGaffic in Jones 312, ext. 4300, to claim. (5/6)

Ladies "Lorus" quartz watch. Found April 17 on road behind Chancellors Hall. Please call Margaret, ext. 4001. (5/6)

## LOST

14-K gold class ring. W&M signet ring, class of '87, name inscribed. Lost on or about March 31 in Morton or Barrett computer labs. REWARD. Please call Jim, ext. 4053. (4/29)

## NOTICE

The charge for a check returned by your bank for any reason will increase to \$20 effective July 1, 1987.

## TREASURER'S OFFICE

WILLIAM AND MARY

# NEWS

The William and Mary News is issued weekly during the school 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, James Blair 310A, no later than 5 p.m. the Friday before publication. Notices for the calendar should be delivered to the News Office no later than 5 p.m. the Wednesday before publication.

Barbara Ball, editor  
Publications Office, production  
News deadline: Fridays, 5 p.m.



## ASSOCIATE DEAN FOR DEVELOPMENT AND ALUMNI AFFAIRS

Marshall-Wythe School of Law  
The College of William and Mary

The Marshall-Wythe School of Law invites applications for the position of Associate Dean for Development and Alumni Affairs. The Associate Dean is responsible for all programs directed toward the understanding and support of the School from its several constituencies. The Associate Dean reports to the Dean of the Marshall-Wythe School of Law and works in close cooperation with the Office of Development of The College of William and Mary.

The successful applicant must have an understanding of and a commitment to the role of legal education and possess exceptional organizational, interpersonal, and communication skills. Appropriate educational fund-raising background including capital campaign experience and/or knowledge of the institution preferred but not required.

Letter of application, resume, and names of three references must be postmarked by May 15, 1987. Address to Timothy J. Sullivan, Dean, Marshall-Wythe School of Law, The College of William and Mary, Williamsburg, VA 23185.

The College of William and Mary is an Affirmative Action, Equal Opportunity Employer. Women and minorities are encouraged to apply.