

William and Mary NEWS

A WEEKLY NEWSPAPER PUBLISHED FOR AND ABOUT THE FACULTY, STUDENTS AND STAFF OF THE COLLEGE OF WILLIAM AND MARY

Volume XVII, Number 33

Thursday, May 19, 1988

Rebecca Edwards gives valedictory

Presidential Adviser Powell addresses graduates

In theatre parlance — the house was packed — they were a great audience!

An impressive roster of honorary degree recipients joined some 1,500 graduates and undergraduates and thousands of their family members and friends in William and Mary Hall Sunday, May 15 to make the College's 295th year commencement a festive one and a memorable one.

Lt. General Colin Luther Powell, assistant to the President for National Security Affairs, who has been working with Secretary of State Schultz on preparations for the upcoming Moscow Summit was the principal speaker and centered his remarks on U.S.-Soviet relations. (A transcript of his speech is carried on pp. 4-5.)

Speaker from the class of 1988 was Rebecca Brooks Edwards. Rebecca is a member of Phi Beta Kappa and graduated with honors in English. She received three of the four prizes given by the department, the Goronwy Owen poetry prize, the Howard Scammon drama prize and the Murray Braderman Borish prize. Phi Beta Kappa named her winner of the Cecil M. McCulley Award, which is named for a former member of the English department. She was also selected as recipient of the Carr Cup award. (Her speech is carried on p. 4.)

Dr. James Forbes of Union Theological Seminary of New York gave the baccalaureate address,

Saturday morning at W&M Hall to a gathering of several thousand. He challenged graduates to look ahead to the year 2000 and tackle some of the world's problems so that the beginning of a new

day and have a significant role in determining what the year 2,000 will be. And it is for this reason that I have come to this place on this occasion to talk to the brightest minds that we can

the graduates, the speaker expanded his challenge to include everyone who plans to celebrate the year 2000.



Here Come the Graduates

Students march across campus to William and Mary Hall, led by Jay Austin, president of the Student Association (l), and Senior Class President Timothy McEvoy.

millennium would be "a time of joy and celebration, rather than a time of lamentation and woe."

"What kind of a world there will be in the year 2000," Forbes told his audience "will depend largely on what will happen through the deeds of those who graduate from William and Mary this

find in the country who have been the few who were accepted here out of the many that applied. You have studied and prepared for four years. . . and we wonder what on earth you are going to do in order to make sure that the year 2000 is a time of great joy and celebration." After challenging

the best. I dare not use the time simply talking to you.

"What I want to say is there have got to be new patterns. . . I want to know from you that you are

Continued on page 8.

Charlene Jackson wins one of 48 national Coro fellowships

Charlene Jackson, a 1988 graduate in psychology and this year's homecoming queen, has been named a 1988-89 Coro Fellow in the Coro Program in Public Affairs. She will spend nine months in New York at the program's Eastern Center participating in a training program aimed at developing effective leadership in the private and public sectors.

Charlene is the daughter of Rebecca and Albert Jackson of Long Island, N.Y.

Charlene, who will work this summer as a student assistant in the Grants and Research Office, is looking ahead to a career in student counseling or higher education administration. She plans to credit her work with Coro toward a master's degree in her chosen field.

As part of the nine-month Coro program Charlene will get an insight into the workings of a trade union, how public affairs and community service agencies reach their publics, sit in on the board

meetings of a major corporation and observe the behind the scenes work at a political campaign.

For Charlene this is another opportunity to gain insight into public programs in New York. She was a peer counsellor for the Runaway Youth Coordinating Council in Hempstead, N.Y., 1982-84.

Active in the life of the campus community, Charlene founded the Minority Student Outreach Coalition, to bring a multi-cultural program to campus, which includes minority arts shows and a literary program. She hopes this will lead to a multi-cultural festival in cooperation with the Southeast Asia Society and the Wendy and Emery Reeves Center for International Studies.

At the Spring Honors luncheon, Charlene received a Benjamin Stoddert Ewell award for her work on campus. She has been named an Outstanding College Student of America and is among the top 10 Outstanding Young Women of

America. She is a past president of Delta Sigma Theta, a public service sorority, and has served as an Intersorority Council representative and a Resident Advisor. Charlene was co-chairman of the baccalaureate committee, the Black Student Organization, a member of the political awareness committee and chairman of the outreach committee. She was also a member of the Ebony Expressions Gospel Choir, 1984-86.

A presidential appointee to the Admission Advisory Committee (1986-87), she was a contributor to the March 1987 issue of the *American Poetry Anthology*.

Charlene has worked in a number of offices on campus. She has been a student assistant, the director of Sponsors Programs and assistant to the curator of manuscripts in the rare books department of Swem Library.

Looking back over her college years, Charlene

said she she had received a great deal of satisfaction from her participation in the life of the campus. She wanted to do more, she said, than accumulate "an amazing G.P.A." For Charlene, the combination of scholastics and volunteerism worked well.

The Coro Fellows Program, launched in 1947, is a full-time, graduate-level program designed to provide participants with intensive, practical and broad-based preparation for effective public affairs careers. Graduates of fellows programs now number more than 1,100 and are found at virtually every level of government, business, public affairs and community service. Coro has training centers in San Francisco and Los Angeles, Calif., and St. Louis, Mo., as well as New York City. Each year 48 fellows are selected nationally from more than 400 applicants. Twelve Fellows are assigned to each of Coro's regional training centers.

See additional
Commencement stories and pictures,
pages 4, 5 and 8.

Grants help support research
in variety of disciplines
See story page 2

LeRoy Smith looks back
on teaching career
See story page 3

Grants awarded to various programs for research projects

Recent grant awards will fund projects and programs in a variety of scholarly interests.

School of Business Administration

The Federal Energy Regulatory Commission has awarded a \$89,483 grant for a project which will plan and develop studies on natural gas markets on a national and regional basis for use in analysis or major pipeline proposals and relationships between competing proposals and other energy services as well as providing generic data for policy development. Principal investigator will be **William R. Stewart**.

School of Education

The State Council of Higher Education/U.S. Department of Education has awarded \$60,261 for the School of Education's Summer Institute for the Teaching of Mathematics to Gifted Learners, to be directed by **Joyce VanTassel Baska**, Jody and Layton Smith Associate Professor of Education.

The 1988 Eastern Virginia Writing Project will be funded this year by a \$30,000 grant from the Virginia Foundation for the Humanities and Public Policy. The project is directed by **Mark Gulesian**.

Twenty elementary and secondary school teachers will participate in a five-week summer institute. The Eastern Virginia Writing Project is part of a statewide effort whose overall goal is to increase the competency of student writers at all grade levels in all disciplines.

Douglas Prillaman will direct a project to train effective leadership personnel in the field of special education. Eight doctoral students will engage in a combined classroom and field experience program in educational administration, special education and the social sciences. This work is being funded by a grant of \$93,091 from the Department of Education.

Prillaman and Lori Korinek will direct 12 students in a 45-semester-hour master's program that will prepare them to be teachers of seriously emotionally disturbed students in public school or alternative education programs. An award of \$98,823 has been made by the Department of Education for this project. To date \$296,469 has been awarded in grants for this program.

Marshall-Wythe School of Law

A grant of \$7,012 from the Virginia Department of Criminal Justice Services provides ongoing support for a project which provides legal representation and advocacy for juveniles through the use of third-year law students who will assist court-appointed private counsel in rural areas of the Ninth Judicial Circuit. Directors of the program are **John Levy** and **Lelia Hopper**. A total of \$20,143 has been awarded to date for this program.

A conference is being jointly planned by the Institute of Bill of Rights Law and the Virginia-Israel Commission to bring together a group of the most prominent thinkers on church-state relationships in both Israel and the United States. The project, titled "Fundamentalism Religion and the Secular State," is being funded by a grant of \$8,000 from the Virginia Foundation for the Humanities and Public Policy.

Wendy and Emery Reves Center for International Studies

James Bill, director, is developing a Korean studies program, which has received a grant of \$20,001 from the Korean Research Foundation. With this award, the College seeks to expand its East Asian Studies Interdisciplinary program to include a Korean studies curriculum. A core of permanent coursework will be developed. The coordinator of the project is **Chonghan Kim**, professor of government, and the project assistant is **Stephen Field**, assistant professor of modern languages.

Archaeological Conservation Center

Historic Annapolis, Inc., has awarded \$3,500 to the Center for conservation of iron archaeological artifacts. **Curtis Moyer** will direct the project.

Affirmative Action/Equal Opportunity

The Department of Education has awarded \$60,000 for the Patricia Roberts Harris Graduate and Professional Study Fellowship. This grant will fund four graduate fellowships for students who demonstrate financial need and who are from groups which are traditionally under-represented in areas of high national need. The fellows will be enrolled in doctoral programs in clinical psychology, marine science and physics and the M.B.A. program. **Dale Robinson**, affirmative action director, has been planning the project.

Chemistry

"Characterization of the Relationship of the Cure Cycle Chemistry to Cure Cycle Processing Properties" is the title of a research project directed by **David E. Kranbuehl**, professor, which has been awarded a grant of \$50,625 by the National Aeronautics and Space Administration. To date, \$501,089 has been awarded for this work.

Research will center on the use of the translatability of ions and the rotationability of dipoles as insitu molecular probes of the chemical and physical changes which occur in polymers during polymerization-cure.

Christopher J. Abelt, assistant professor, will be principal investigator for a project, "Quinone-Capped B-Cyclodextrins: Potential Photoinduced Electron-Transfer Catalysts," which has received a grant of \$41,700 from the Jeffress Memorial Trust.

Work under this grant, which will continue through Dec. 1990, will involve synthesizing macromolecular host compounds consisting of B-cyclodextrin capped with various quinone molecules. Guest substrates bound with these hosts should suffer one electron oxidation when the quinone moiety is irradiated. The subsequent reactions of the included radical cations should be influenced by the organized environment imposed by the host-guest complex.

Abelt will also be principal investigator for work on "Collaborative Binding in Bis-Cyclodextrins" research funded by a grant of \$28,000 from the Research Corporation.

Macrocyclic host compounds consisting of two B-cyclodextrins linked together with a single chain will be synthesized. For each linking group three isomeric bis-cyclodextrins, which differ only by their facial orientation, will be made. Binding constants of several dyes with these hosts will be determined using fluorescence spectroscopy. The results will ascertain whether the collaborative binding strengths of these hosts are dependent upon their facial orientation and in particular, whether the barrel arrangement bound in the solid-state and proposed in solution also leads to the strongest substrate binding.

David Thompson, professor, and **Abelt**, who have been working to obtain a nuclear magnetic resonance spectrometer for the department, have received support from the W. M. Keck Foundation which has awarded the department \$65,000 in support of this acquisition.

Gary DeFotis, associate professor, is principal investigator for an ongoing project on magnetism and phase transitions of transition metal compounds. The National Science Foundation has awarded \$29,600 for this project through April 1989. To date, \$91,000 has been awarded for this research.

This work will have a major impact on the research environment of the department, especially in opportunities afforded for involving undergraduates in research during both the academic year and during summers. Such experience will be valuable preparation for later scientific work.

The E. I. DuPont de Nemours & Co., Inc., has awarded a \$6,000 DuPont College Science Grant to enhance the instruction in the physical sciences by helping the department satisfy needs and engage in activities that would not otherwise be possible. **David Thompson**, chairman of the department, is director for this grant.

Computer Science

Larry J. Morell is principal investigator for a project, "Incremental Assessment and Improvement of Software Reliability," which has been funded with a grant of \$39,970 from the National Aeronautics and Space Administration.

The project will investigate incremental improvement and assessment of software reliability. "Incremental reliability entails the assessment of reliability bounds that can be obtained by applying different methods of verification. It is be-

lieved that past efforts have not achieved high reliability because of their excessive reliance on "black-box" techniques for assessing reliability. The approach suggested is a "white-box" approach, by decomposing the software into components, assessing the reliability of the components by applying verification techniques appropriate to them, and assessing the resultant reliability of the whole. It is proposed to evaluate the developed techniques on software relevant to NASA's mission.

The National Aeronautics and Space Administration has awarded a grant of \$18,000 for algorithms for focal plane image restoration. The purpose of this project is to systematically research the development, analysis and performance of focal plane image restoration in algorithms. The research will be conducted at NASA Langley by **Stephen Reichenbach**, graduate student in computer science, under the direction of **Stephen Park**.

Stephen Park and graduate student **John Burton** will work on a project titled "End-to-End Digital Imaging System Simulation," a project that has been funded by a grant of \$18,000 by the National Aeronautics and Space Administration. The purpose of this research is to build on the pioneering digital imaging system modeling simulation and performance analysis work and to develop a comprehensive end-to-end simulation. The research will be conducted at NASA Langley.

Stefan Feyock, associate professor, will direct work on "Automatic Determination of Fault Effects on Aircraft Functionality" under a grant award of \$78,377 from the National Aeronautics and Space Administration.

The occurrence of a fault in a physical system such as an aircraft raises three related questions: what has gone wrong, what will the resulting effects be and what should be done about it.

Most existing diagnostic expert systems deal with only the first of these questions; providing answers to the other two is left to the human in the loop. The present proposal addresses the second of these questions, leaving the third for future investigation. More specifically, researchers propose to develop methods for determining the effect of aircraft malfunctions on aircraft functioning. To this end, a deep-reasoning system based on a model of aircraft functioning will be constructed. The initial phase of the project will add a syntactic model of functionality based on a semantic net representation to Draphys.

Subsequently, deKleer-style component models of functionality will be added to the implementation. The final version of the model will integrate quantitative simulation capabilities with the existing capabilities, thus permitting a detailed representation of the system that is the subject of the reasoning process.

Geology

The National Science Foundation has awarded \$32,000 for individual projects on Virginia geology. Under the direction of **Bruce Goodwin**, chairman, eight undergraduate geology students will spend the summer doing research at the department. Library research, field work and laboratory investigation will be combined in each project to give students a broad range of experience. The emphasis will be on independent work by the students under the guidance and in the direct field of interest of the research supervisors, and each student will have his or her own research project. The research accomplishments of each student will be presented in a formal written report, and the students will also be encouraged to present their findings at a professional meeting.

Government

Ronald B. Rapoport will direct work on "The Active Minority: Collaborative Research on Presidential Selection and the Political Parties," a project that has been funded with a grant of \$12,934 from the National Science Foundation. To date, \$97,278 has been awarded in grant funds for this project.

This award represents supplemental funding for an existing research project. The additional award will allow the project to tie together eight years of studies of party and nomination activities in the United States and will particularly highlight the degree and form of political change over the last eight years.

History

The Virginia Foundation for the Humanities and Public Policy has awarded \$5,000 for the project "The World of William and Mary." This project is part of the College's commemoration of the tercentenary of the accession of King William

III and Queen Mary II. In Feb. 1989 a conference will be held in Williamsburg with feature presentations by 17 distinguished Dutch, British and American scholars. The conference will explore the political, religious, economic and cultural implications of the "Glorious Revolution of 1688." Plans for the conference are being made by **Dale Hoak**, professor.

Mathematics

The Air Force Office of Scientific Research has awarded a grant of \$25,699 for research on algebraic and computational aspects of network reliability which will be directed by **Douglas R. Shier**.

It is important to be able to assess the reliability of a complex system in terms of the reliabilities of its individual components. This type of problem arises frequently in the analysis of telecommunication, distribution and transportation systems, which can be represented as networks of sites interconnected by edges.

The proposed research investigates such network reliability problems by means of an underlying algebraic structure, a partially ordered set. This approach not only unifies certain theoretical aspects of reliability problems but also provides new and effective algorithms for calculating reliability for special classes of networks.

Whereas the problem of computing reliability in such networks is known to be mathematically intractable, the proposed approach yields algorithms which are polynomially bounded in the number of paths or cutsets in the network. The efficient generation of paths and cutsets in these networks as well as the recursive computation of reliability in terms of such objects are also to be developed by this research plan.

Margaret K. Schaefer will direct research on multi-echelon inventory models and queuing network models for repairable spares under a National Science Foundation grant of \$40,668.

In previous research, the principal investigator has developed several maintenance center inventory models. Each of these models considered the problem of determining how many repairable spare parts to stock at a maintenance center. The proposed project involves generalizing the existing maintenance center inventory models through the use of multi-echelon inventory models and by modeling the movement of spares through a queuing network; thereby extending the scope, realism and relevance of maintenance center inventory models.

"Tire Nonlinear Model" is the title of a project to be directed by **Carl M. Andersen**, senior research associate, under a grant of \$65,000 from the National Aeronautics and Space Administration.

In previous work on this project, techniques have been developed and computer programs have been constructed for modelling aircraft tires as anisotropic laminated shells subjected to various static loading conditions. During the current project period, tire modelling efforts will continue along lines already begun, and a search for cost-effective computational techniques will continue. In particular, the work will be concentrated on the case of a tire rolling on a flat surface with uniform motion. A total of \$597,103 has been awarded for this research to date.

The National Science Foundation has awarded \$47,300 for research to be continued through November of next year on selected subfields of matrix analysis: (1) combinatorial issues in matrix analysis; (2) the permanent-on-top conjecture and related inequalities; (3) Hadamard products of matrices; and (4) non-negative and M-matrices. The principal investigator, **Charles R. Johnson**, professor, will collaborate with a variety of researchers with overlapping interests and with several students. A total of \$90,750 has been awarded in grant funds for this project titled "Topics in Matrix Analysis and Application."

Rex Kincaid will direct basic and applied research in the use of operations research methodologies for military operational and logistical applications under a grant of \$12,254 awarded by the U.S. Logistics Management College. He will also conduct seminars designed to provide advanced educational development for faculty members, and teach selected blocks of instruction in support of existing ALMC ORSA courses.

Physics

Henry Krakauer, associate professor, will direct research on electronic structure, geometry, equation of state, structural transitions of d-Band surfaces and f-Band metals and compounds under a grant of \$250,000 by the National Science

Continued on page 6.

LeRoy Smith retires from College 'perfectly content'

"The real strength of the school has been its students. The students have made the job of teaching here easy.

"I think William and Mary faculty are extremely fortunate. ... And when I talk occasionally to faculty at other institutions, I realize just how blessed we have been.

"I have had quality students to work with and they have been the major strength of the school and a major satisfaction to me in the opportunity to work with them.

"William and Mary, by and large, is very fortunate with its faculty. It has been a strong faculty, it has been a loyal faculty and strong in both areas of teaching and scholarship, but the real strength of the school has been the students."

After 32 years at William and Mary, LeRoy W. Smith, professor of English, is retiring. Looking back after his last class, he found emotions flooded his thoughts and words. It wasn't easy, he found, to say goodbye, although he had decided he was ready to move on to other things. He has played an active role in college life as a teacher, scholar and administrator.

One of the strengths of the English department has been the emphasis on writing, says Smith

"It has been very satisfying to me to have students come from law school and tell me how useful their experience here was in preparing them as writers. I have had graduate students in English tell me the same thing — their progress through graduate school was greatly eased by the rigorosity that we insisted upon here.

"I think President Paul Verkuil is an example of this situation. I had Paul in three classes and two of them were writing classes. He was not an outstanding student but he was a hard-working student. I had a great shock when I was chairman and saw on the bulletin board mention of Paul at Tulane Law School and that he had published several books and a score of articles. I recently talked to a former student her mid-40s; she had concentrated in history but she was earning a living now as a writer.

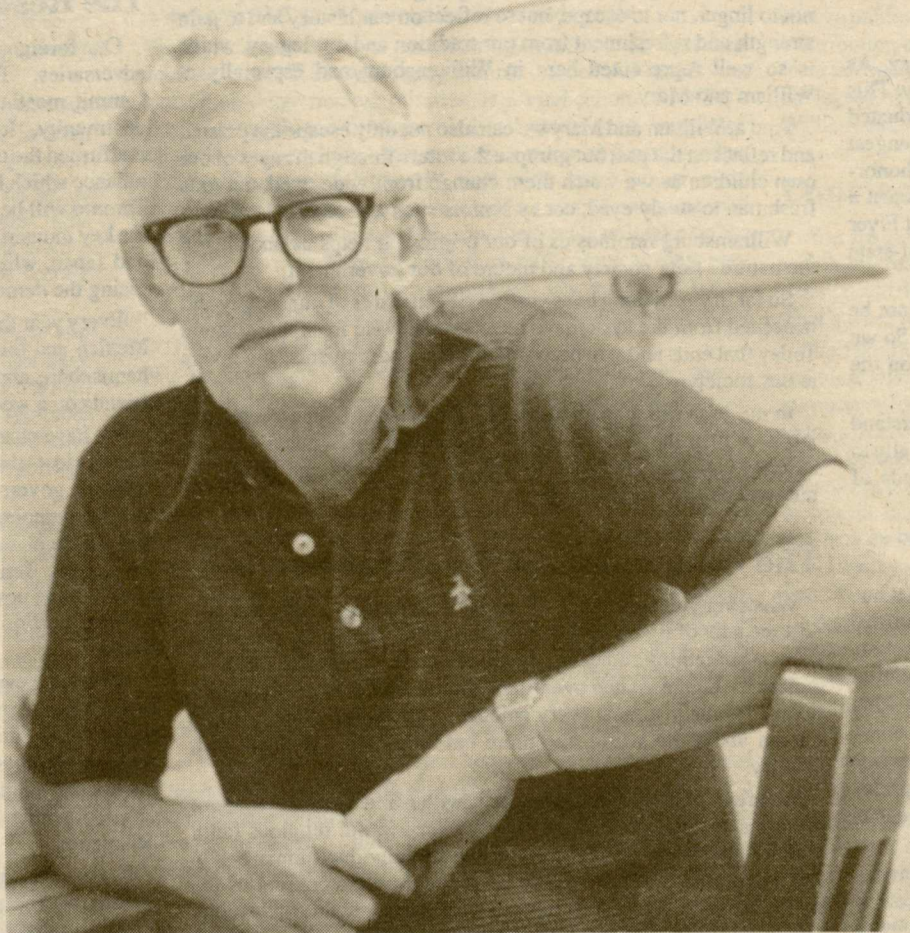
"Students don't appreciate this attention to writing fully, especially when they are getting their papers back. But the ones who do go on to professional fields and have any involvement with words and those who are attracted to journalism do appreciate this fact. It is a question of what we do at all levels, not just freshman English. It is a question of the expectations we have for our students."

The best papers, he says, are those that "engage my thoughts, challenge them or add to my information, alter my perspective on the work. If I argue with the paper from beginning to end, it is a good paper. I have stopped stressing objective material. Good papers are those in which students have engaged themselves substantially; they have thought clearly and their minds have been stimulated by what they have read, they are highly motivated. What I want, what I value, is a student who creates his own evaluation. He tests what he has read against experience and then subjects that to scrutiny.

"I don't hesitate to give Cs to graduate students when their writing is sloppy. They may have gone through undergraduate school with high grades and scored well on the Graduate Record Exam, but that doesn't cut much ice if they turn in sloppy work to me. The fact is that afterwards they are writing tighter, leaner papers and they are doing this because I have said I will mark up sloppy papers. They were not bad writers but they are not good writers; and now some of them are writing

well. We have high standards for composition and we are turning out students who are pretty good writers, compared to their peers.

"I hope we can continue to do this, give students a practical experience in writing, not just a wave and a kiss. I cannot think of any more useful



LeRoy W. Smith

activity than to encourage students to think clearly and write well. There is nothing more valuable. But, if teachers are going to be asked to do research as an ongoing activity as well as teach classes of 40 or more where a substantial amount of writing is required, the pressures are just too great and something gives."

Smith's concern also extends to administrators. He gained first-hand experience as chairman of the department and found the workload immense. "I can only speak from my own experience but it is a consuming activity that takes time, energy and emotional stamina. I do not think I suffered from it unduly but I was a workaholic."

Smith regrets that a suggestion was turned down to give retiring department chairmen sabbaticals to allow them to catch up with their research and other associated activities which they had to put aside for administrative duties.

Smith says he hasn't any philosophy for teaching and has not attempted to follow any method. "Whatever I have done has been spontaneous and natural, reflective of my personality. I suppose in the beginning I used to work more from structured, formal lectures." He moved away from formal lectures to more classroom discussion, he explains, as a means of encouraging students to offer their own views.

"My own enjoyment of teaching and some of my best ideas have come from the spontaneous give and take of discussions. I always felt most excited when a class was over when there had been this spontaneous scrutiny, looking at the material freshly.

"I often feel that that euphoria may have been part of my own ego gratification; I am not sure how wise some of the comments were but at the time I felt wise. There always has to be some evaluation of such spontaneity, just as when one writes, one constantly reevaluates. Still there is

teacher. He has published on Fielding, Defoe, Austen, Charlotte Brontë and C.P. Snow and feels that scholarship and teaching should be complementary, not competitive.

"There are some excellent teachers who are poor scholars and poor teachers who are excellent scholars," he concedes, "but most of us are better teachers because we are scholars and better scholars because we are teachers."

He says he has enjoyed the freedom the College has allowed him to pursue a variety of scholarly interests. "I think my teaching has benefitted by this diversity and I haven't become so specialized that I know only my one research topic. The College has moved toward a more formalized approach to scholarship and Smith feels this is appropriate, but he adds, "There are risks, and it takes wisdom on the part of the administration to avoid moving in one direction too far as some other institutions have done and sacrifice teaching for scholarship and lose sense of unity because of the rather parochial expectations made for scholarly activity."

Smith was drawn into teaching by a love of talking and a love of books. "It just seemed like a natural way to go," he says

He made his first contact with William and Mary back in the 1950s when he got an offer from Jess Jackson, then chairman of the English department, of \$2,750 per annum. After three years at Gettysburg College he had worked up to \$3,400 so he turned William and Mary down.

"At Gettysburg we used to joke about a colleague who had two sons and three shirts. There was always one shirt either in the wash or on the ironing board," recalled Smith.

He worried about raising a family on a college teacher's salary and even tried a different kind of job to see if he might like it better. He took a job as an editor for an Air Force publication at Maxwell Field, Ala. The salary scale was better and he enjoyed the work, but teaching was his first love so he came back to it.

After he received a Ph.D. from Duke University he came to William and Mary in 1956 with a salary of \$5,600. "I had calculated that was enough to live on. If I could get \$5,000, I thought, I would be all right. I naively thought I might someday earn \$10,000 as a teacher. I found out later a full professor in 1956 was only making \$600 or \$800 more than I was.

"Things were quite depressed, but I had tried something else akin to teaching and had discovered I really wanted to teach and had found a position where I really felt that I could satisfy my needs both in terms of personal goals and financial support."

Smith says he leaves the College perfectly content. "I have been very fortunate to be at this school. It has suited me well. I feel as if I have done well by it, and it has done well by me. But I am happy to leave because I've changed and am ready to do other things.

Some of those other things will include golf, "giving everyone lessons in bridge" (Smith is a life master in duplicate bridge), enjoying his grandchildren and the opportunity to travel. He hopes to complete a book on D. H. Lawrence in the next couple of years.

As a legacy, he says he leaves advice for whom ever has to climb to his third-floor office in Tucker Hall. Take the steps two at a time. It takes less energy and puts less strain on the lungs. However, your calf muscles must be in shape before you can take advantage of this suggestion.

Former education professor dies

Funeral services were scheduled Thursday, May 19 for Curtis H. O'Shell, professor emeritus of education, who died Tuesday, May 17 at the McGuire Medical Center in Richmond following a long illness. He was 66.

Born in Altoona, Pa., O'Shell received B.A. and Ph.D. degrees from Pennsylvania State University and an M.A. degree from Allegheny College.

After educational posts in Meadville, Pa., and Manahawkin, N.J., he became professor of education and chairman of the counselor education department at the University of Oneonta, N.Y., in 1962.

He joined the faculty of the School of Education in 1968. During his tenure he taught both undergraduate and graduate students in the field of counselor education. He was responsible for the supervision of practicum students in the counseling program and served as director of doctoral dissertations.

After leaving the College in 1984, O'Shell

served as counselor in the Veterans Administration Medical Center in Hampton and the Peninsula Pastoral Counseling Service. He was also a staff member of the Counseling Association of Grafton.

O'Shell was a national certified counselor, a licensed professional counselor, a clinical member of the American Association of Marriage and Family Therapists and an approved supervisor of candidates for licensure as professor counselors.

He was a member of the Walnut Hill Baptist Church in Williamsburg and served as a deacon trustee and Bible teacher. He was a 32nd degree Mason in the Oneonta Lodge No. 466 F&AM and an Army veteran of World War II.

He is survived by his wife, Margaret Jennings O'Shell; one daughter, Nancy Tinsky of Highland Springs; one son, Gregg C. O'Shell of San Francisco; two brothers; and two granddaughters.

The family has requested that expressions of sympathy take the form of contributions to the building fund of Walnut Hills Baptist Church.

Deposit Procedures

If monies are collected in your area and transmitted to the College Cashier for deposit, the following procedures must be adhered to:

1. Deposits *must* be made at least once a week or when \$100 has been accumulated, whichever comes first.
2. A transmittal form must accompany each deposit to include a detailed listing of all checks submitted and an adding machine tape of all checks (Total of transmittal and sum total of checks must agree.) Pre-printed transmittal forms are available in the warehouse and should be used if at all possible.
3. The report should be properly coded with all necessary codes to insure that funds will be properly deposited. Departments making regular deposits should consecutively number each transmittal for better control.
4. Departments that already have specific procedures approved will continue to follow those procedures.
5. Any problems or questions should be directed to the Cashier's Office, ext. 4141.

Your cooperation in this matter will be appreciated.

E. Kenneth Greene
Treasurer

VIMS scientists' activities include meetings, publications

Flounder tagging

A summer flounder tagging program has been underway at VIMS for two years and according to the principal investigators, John Musick, Dean Estes and Joe Desfosse, the program is paying off in two areas: with important data for commercial and recreational fisheries and monetary rewards for fishermen (\$2 for each tag returned to VIMS). Special monetary awards, ranging from \$50 to \$500, are also presented to lucky fishermen at a random drawing ceremony held each year.

The trawler *Anthony Anne*, owned by Capt. Tony Penello, has been the vessel used for this tagging program and began its second year on May 17.

Chesapeake Research Consortium meeting

VIMS scientists attended the Chesapeake Research Consortium, Inc., conference "Understanding the Estuary: Advances in Chesapeake Bay Research" held in Baltimore, Md., March 29-31. **Maurice P. Lynch**, professor of marine science, co-chaired the conference; **Karen L. McDonald**, VIMS, was conference coordinator; **Claudia Wathall**, VIMS, was conference assistant. Lynch gave the welcoming address, and the following scientists chaired sessions and presented papers, posters or both.

Robert C. Hale, assistant professor of marine science, and **Robert J. Huggett**, professor of marine science, took part in the discussion of Bio-availability of Toxics.

Frank O. Perkins, dean/director of VIMS, participated in a panel discussion with members from federal and state funding agencies, scientific institutions and private organizations on "How Do We Get There: Who Pays the Fare?"

William J. Hargis Jr., professor of marine science, chaired the session on Living Resources I.

Robert J. Diaz and **Linda C. Schaffner** presented a paper, "A Comparison of Sediment Landscapes in the Chesapeake Bay as Seen by Surface and Profile Imaging," in the Nutrients I session.

In the Physical I session **Evon P. Ruzercki** and

David A. Evans, associate professor of marine science, gave their paper on "Hampton Roads Circulation: The Combined Effects of General and Meso-Scale Features."

Albert Y. Kuo, professor of marine science, **Robert J. Byrne**, professor of marine science; **Evon P. Ruzercki**, associate professor of marine science; and **John M. Brubaker**, assistant professor of marine science, presented their paper, titled "A Theory of Tidal Intrusion Front and Its Practical Application," in the Physical I section.

The Living Resources II session was chaired by **Linda C. Schaffner**, assistant professor of marine science.

The Physical II section was chaired by **Evon P. Ruzercki**.

In the Toxic I session **Robert C. Hale** gave his paper on "Dynamics of Organic Pollutants in Blue Crabs, *Callinectes sapidus*, Collected from the Lower Chesapeake Bay Region."

In the Submerged Aquatic Vegetation I session, **Robert J. Orth**, associate professor of marine science, and **Kenneth A. Moore**, instructor in marine science, co-chaired the session and presented their paper "A Baywide View of What's Happening with SAV Distribution."

In the same session, **Kenneth Moore**, **Hillary Neckles**, **Robert Orth** and **Richard L. Wetzel**, associate professor of marine science, gave their paper "Water Quality Criteria — Lower Bay."

Robert C. Hale chaired the Toxics II session and **William J. Hargis Jr.**, and **David E. Zwerner** presented their paper "Toxic Effects of Sediment-associated Contaminants on Gills of Several Estuarine Fishes."

Session II in Submerged Aquatic Vegetation was co-chaired by **Robert Orth** and **Kenneth Moore**. Two papers were presented by VIMS scientists in this session, "A New Perspective on the SAV and Blue Crab Relationship: Splendor in the Grass," **Robert Orth** and **Jacques J. van Montfrans** and "New Developments in SAV Transplanting: Can We Make a Difference?" **Kenneth Moore** and **Robert Orth**.

The poster session included the following exhibits by VIMS faculty:

"Patterns of Post Larval Availability and Settlement in the Blue Crab: Effects of Time, Space, and

Habitat" by **Eugene J. Olmi III**, **Jacques van Montfrans**, **Romuald N. Lipcius** and **Robert J. Orth**.

"Regulatory Mechanisms of Postlarval Blue Crab Recruitment: Settlement, Metamorphosis and Developmental State" by **Romuald N. Lipcius**, **Eugene J. Olmi III** and **Jacques van Montfrans**; "Variation on Postlarval Blue Crab Settlement on Artificial Substrates in the York River, Virginia" by **van Montfrans** and **Orth**.

Other activities

John A. Lucy, instructor in marine science, was invited to present a paper co-authored by **Eleanor Bochenek** and **Nancy Chartier**, graduate assistants, titled "Observations on Certain Fishing Party Expenditures Associated with Virginia's Ocean Recreational Fishery," to the Symposium on Demand and Supply of Sport Fishing in Charleston, S.C. The paper covered some of the results of ongoing research, coordinated by Lucy, concerning Virginia's recreational marlin/tuna fishery.

William J. Hargis Jr., professor of marine science, recently attended the Chesapeake Research Consortium, Inc., meeting at Patuxent Naval Air Station at St. Leonard's Md., and presented a paper "Pathobiological Effects of Exposure of Finfish to Contaminated Elizabeth River Sediments and Sediment-affected Waters."

Hargis was invited by the Chesapeake Bay Foundation of Virginia and Maryland to attend a meeting of the foundation instructional staff at Tilghman Island, Md., and take part in a panel discussion on the development of scientific programs in the Chesapeake Bay region and the role of science in developing the awareness of resource and environmental problems of the Bay that have led to the current emphasis on the Chesapeake.

Robert J. Huggett, professor of marine science, was one of three peer reviewers of the U.S. Fish and Wildlife's research programs on (1) selenium contamination of the San Joaquin Valley, Calif., and (2) the fates and effects of contaminated sediments. The review was held at the National Fisheries Contamination Research Center, Columbia, Mo.

Contributions received

The following VIMS contributions were received by the Library January through March, 1988.

Berquist, C. R. and **Carl H. Hobbs III**. 1988. Reconnaissance of Economic Heavy Minerals of the Virginia Inner Continental Shelf. Virginia Division of Mineral Resources Open-File Report 88-1.

Bisker, Robert and **Michael Castagna**. 1987. Effects of Air-Supersaturated Seawater on *Argopecten irradians concentricus* (Say) and *Crassostrea virginica* (Gmelin). *Journal of Shellfish Research* 6:79-83.

Bradley, B. P., and **Morris H. Roberts, Jr.** 1987. Effects of Contaminants on Estuarine Zooplankton. Pp. 417-41 in **Majumdar, S. K.**, **L. W. Hall Jr.** and **H.M. Austin** (eds). Contaminant Problems and Management of Living Chesapeake Bay Resources.

Brubaker, John M. 1987. Similarity Structure in the Convective Boundary Layer of a Lake. *Nature* 330:742-745.

Burris, David R., and **William G. MacIntyre**. 1987. Water Solubility Behavior of Hydrocarbon Mixtures—Implications for Petroleum Dissolution.. Pp. 85-94 in **Vandermeulen, J. H.**, and **S. E. Hrudey** (eds.). Oil in Freshwater: Chemistry Biology, Countermeasure, Technology: Proceedings of the Symposium, Edmonton, Alberta, Canada. 1984.

Diaz, Robert J., **C. Erseus** and **D. Boesch**. 1987. Distribution and Ecology of Middle Atlantic Bight Oligochaeta. In **Brinkhurst, R.O.**, and **R. J. Dias** (eds.) Aquatic Oligochaeta. *Hydrobiologia* 155:215-225.

Fine, Michael L., **M. H. Horn** and **B. Cox**. 1987. *Acanthonus armatus*, a Deep-sea Teleost Fish with a Minute Brain and Large ears. Proceedings of the Royal Society of London B. 230:257-265.

Finkelstein, Kenneth, and **M. A. Ferland**. 2987. Back-Barrier Response to Sea-Level Rise, Eastern Shore of Virginia. Pp. 145-1255 in **Nummedal, D.**, et al. (eds). Sea-Level Rise and Coastal Evolution. Society of Economic Paleontologists and Mineralogists Special Publication no. 41.

Finkelstein, Kenneth, and **M. S. Kearney**. 1988. Late Pleistocene Barrier-Island Sequence along the Southern Delmarva Peninsula: Implications for Middle Wisconsin Sea Levels. *Geology* 126: 41-45.

Grulich, P. Ronald, and **William D. DuPaul**.

1987. Development Considerations for the Dogfish (*Squalus acanthias*) Fishery in the Mid-Atlantic. Pp. 201-214 in **Cook, S.** (ed). Sharks: An Inquiry into Biology, Behavior, Fisheries and Use: Proceedings of the Conference, Portland, Ore., March 1985.

Haven, Dexter. 1987. The American Oyster *Crassostrea virginica* in Chesapeake Bay. Pp. 165-176 in **Majumdar, S.K.**, **L. W. Hall Jr.** and **H. M. Austin** (eds.). Contaminant Problems and Management of Living Chesapeake Bay Resources.

Haven Dexter S., **John M. Zeigler**, **Joe T. DeAlteris** and **James P. Whitcomb**. 1987. Comparative Attachment, Growth and Mortalities of Oyster (*Crassostrea virginica*) Spat on Slate and Oyster Shell in the James River, Va. *Journal of Shellfish Research* 4:45-48.

Huzzey, Linda M., and **John M. Brubaker**. 1988. The Formation of Longitudinal Fronts in a Coastal Plain Estuary. *Journal of Geophysical Research* 93C:1329-1334.

Loesch, Joseph G. 1987. Overview of Life History Aspects of Anadromous Alewife and Blueback Herring in Freshwater Habitats. *American Fisheries Society Symposium* 1:89-103.

Neikirk, Robert C., and **N. Bartlett Theberge**. 1987. A Survey and Ranking of Impediments to Marine Aquaculture in Coastal States.. Pp. 147-2158 in **Jarman, M.C.** and **D. K. Conner** (eds). Proceedings: Conference on Gulf and South Atlantic Fisheries: Law and Policy, New Orleans, March 1987.

Norcross, Brenda L. and **Herbert M. Austin**. 1988. Middle Atlantic Bight Meridional Wind Component Effect on Bottom Water Temperatures and Spawning Distributions of Atlantic Croaker. *Continental Shelf Research* 8:69-88.

O'Connor, Joseph M., and **Robert H. Huggett**. 1988. Aquatic Pollution Problems: North Atlantic Coast, Including Chesapeake Bay. *Aquatic Toxicology* 11:163-190.

Neil, Steven P., and **Michael P. Weinstein**. 1987. Feeding Habitats of Spot, *Leiostomus xanthurus*, in Polyhaline versus Meso-Oligohaline Creeks and Shoals. *Fishery Bulletin* 85:785-796.

Orth, Robert J., and **Jacques van Montfrans**. 1987. Utilization of a Seagrass Meadow and Tidal Marsh Creek by Blue Crabs *Callinectes sapidus*. I. Seasonal and Annual Variations in Abundance with Emphasis on Post-Settlement Juveniles. *Marine Ecology —Progress Series* 41:283-294.

Perkins, Frank O. 1987. Protistan parasites of Commercially Significant Marine Bivalve Molluscs: Life Cycles, Ultrastructure and Phylogeny. *Aquaculture* 67-240-243.

Rice, Charles D., **François A. Espourteille** and **Robert J. Huggett**. 1987. Analysis of Tributyltin in Estuarine Sediments and Oyster Tissue. *Crassostrea virginica*. *Applied Organometallic Chemistry* 1:541-5444.

Roberts, Morris H. Jr., **Daniel W. Sved** and **S. P. Felton**. 1987. Temporal Changes in AHH and SOD Activities in Feral Spot from the Elizabeth River, a Polluted Sub-estuary. *Marine Environmental, Research* 23-89-101.

Rosa, Ierece L., and **Ricardo S. Rosa**. 1987. *Pinguipes* Cuvier and Valenciennes and *Pinguipedidae* Gunther: The Valid Names for the Fish Taxa usually known as *Mugiloides* and *Mugiloididae*. *Copeia* 1987 (4):1048-1051.

Theberge, N. Bartlett, and **Robert C. Neikirk**. 1987. Legal Constraints to Marine Aquaculture at the State Level—the Virginia Example. Pp. 159-169 in **Jarman, M.C.**, and **D. K. Conner** (eds.). Proceedings: Conference on Gulf and South Atlantic Fisheries: Law & Policy, New Orleans, March 1987.

Van Engel, Willard A. 1987. Factors Affecting the Distribution and Abundance of the Blue Crab in Chesapeake Bay. Pp. 177-209 in **Majumdar, S. K.**, **L. W. Hall Jr.** and **H. M. Austin** (eds.). Contaminant Problems and Management of Chesapeake Bay Resources.

Webb, Kenneth L. 1988. Comment on "Nutrient Limitation of Phytoplankton Growth in Brackish Coastal Ponds" by **Caraco, Tamse**, **Boutros** and **Valiela** (1987). *Canadian Journal of Fisheries and Aquatic Sciences* 45:380-381.

Whitcomb, James P., and **Dexter S. Haven**. 1987. The Physiography and Extent of Public Oyster Grounds in Pocomoke Sound, Va. *Journal of Shellfish Research* 6:55-65.

Wolf, Peter H., **J. T. Winstead** and **J. A. Couch**. 1987. *Proctoeces* sp. (Trematoda: Digenea) in Australian Oysters, *Saccostrea commercialis* and *Crassostrea amasa*. *Transactions of the American Microscopical Society* 106-379-380.

Wight, L. Donelson. 1987. Shelf-Surfzone Coupling: Cross-Shore Transport Mechanisms on the Shore Face. Pp. 25-40 in **Kraus, Nicholas C.** (ed.). Coastal Sediments '87: Proceedings of a Specialty Conference on Advances in Understanding of Coastal Sediment Processes, New Orleans, May 1987.

... around campus ...

Modern Languages and Literatures

George D. Greenia recently participated in the 23rd International Congress on Medieval Studies at Western Michigan University where he read a paper on "Linguistics, Study and Authorship: Berceo and the *Libro de Alexandre*."

Physical Education

John Charles and **Steve Haynie** recently attended the R. Tait McKenzie Symposium program, "The College Athlete: Issues and Concerns," a sociological perspective, held on the campus of the University of Tennessee at Knoxville.

Charles presented a paper titled "The Reality and Illusion of College Athletes." He and Haynie also participated in the discussions and panels with colleagues concerning many aspects in the "realm of the sport."

Haynie, who received his M.S. degree from Tennessee-Knoxville in 1970, was returning for the first time.

Research projects receive funding

Continued from page 2.

Foundation. This project awarded by the Office of Advanced Scientific Computing, allows 250 hours of time on a supercomputer at the Illinois Center.

Chris Benner and **Malathy Venkataraman** will be principal investigators for a project on high resolution spectroscopy to support atmospheric measurements, being funded by a grant of \$69,996 from the National Aeronautics and Space Administration.

The main objectives of the research proposed are to provide support for spectroscopic measurements of NASA's Upper Atmospheric Research Program. Specific objectives include high resolution measurement of spectroscopic parameters such as line positions, intensities, halfwidths, pressure-induced line shifts and the temperature dependence of halfwidths for infrared transitions

Physics

The following articles have recently been published.

Precision measurements of the K^- and Σ^- Masses

K. P. Gall, **E. Austin**, **J. P. Miller**, **F. O'Brien**, **B. L. Roberts**, **D. R. Tieger**, **G. W. Dodson**, **M. Eckhause**, **J. Ginkel**, **P. P. Guss**, **D. W. Hertzog**, **D. Joyce**, **J. R. Kane**, **C. Kenney**, **J. Kraiman**, **W. C. Phillips**, **W. F. Vulcan**, **R. E. Welsh**, **R. J. Whyley**, **R. G. Winter**, **R. J. Powers**, **R. B. Sutton**, and **A. R. Kunselman**. *Phys. Rev. Lett.* 60: 186 (1988).

Exotic-atom Measurement of the Magnetic Dipole Moment of the Σ^- Hyperon

D. W. Hertzog, **M. Eckhause**, **P. O. Guss**, **D. Joyce**, **J. R. Kane**, **W. C. Phillips**, **W. F. Vulcan**, **R. E. Welsh**, **R. J. Whyley**, **R. G. Winter**, **E. Austin**, **J. P. Miller**, **F. O'Brien**, **B. L. Roberts**, **G. W. Dodson**, **R. J. Powers**, **R. B. Sutton**, and **A. R. Kunselman**. *Phys. Rev. D* 37: 1142 (1988).

of molecules of atmospheric interest (e.g. O_3 , CH_4 , etc.) using a tunable diode laser spectrometer system.

Jack Kossler and **Ken Petzinger** have received a grant award of \$76,000 from the National Science Foundation to support work in "Muon Spin Relaxation in Solids." Grant awards to date total \$235,300.

Psychology

Joseph Galano and **John Nezek** have received \$6,300 in a grant award from the Virginia Department of Mental Health and Mental Retardation for training in the evaluation of prevention programs. The purpose of this project is to provide training and technical assistance for Community Service Boards in the evaluation of prevention projects at five Health Service Area sites.

Notes

Pay increases

The Office of Personnel has received notification that Gov. Baliles and the General Assembly have approved a 3.5 percent cost-of-living raise for classified state employees effective July 1. The same wage adjustment will be granted to hourly employees.

Classified employees will begin receiving the adjusted wage rate beginning with their July 16 check while hourly employees will see the advance in their July 26 checks.

College surplus auction

The College will conduct an auction of surplus equipment beginning promptly at 9 a.m., Thursday, May 26 in Building 22 at Eastern State Hospital. Easy-to-follow signs will be posted.

Items may be viewed and inspected May 25 from 1 to 3 p.m. and May 26 from 8 to 9 a.m.

Items to be auctioned include sofas, typewriters, calculators, tables, desks, chairs, refrigerators, recorders, scientific equipment and computer equipment.

According to Norma Chandler, materiel management director, W&M employees may bid as

much as \$500 on each item owned by the College without violating the Virginia Conflict of Interest Act.

For more information call Annette Ashcraft at ext. 4179.

New degree programs

At its May 4 meeting in Richmond, the Council of Higher Education acted on statements of readiness submitted by the College for its degree programs scheduled for initiation in fall 1988.

The council gave final approval for the initiation of a Master of Science in Taxation (M.S.T.) and a Doctor of Philosophy (Ph.D.) in American Studies.

Summer Softball

Entry and \$10 fee are due Friday June 3 by 4 p.m. in the Recreational Sports Department, Blow Gym, room 3, for summer co-ed rec softball.

Schedules will be distributed at the *mandatory* captains meeting at 7 p.m., Monday, June 6 in Blow classroom.

For more information call ext. 4498.

Seafood Feast planned

The annual Faculty Club Seafood Feast will be held at VIMS, September 16.

FOAM

The Friends of Appalachian Music will sponsor two special dance events on Saturday May 21 at the Norge Hall on Route 60.

Bob Dalsemer, a full-time dance caller, teacher and musician from Baltimore, will conduct a waltz workshop from 1 to 4 p.m. and call a dance that evening from 8 to 11 p.m.

Registration for the waltz workshop will be limited and an equal number of men and women will be maintained. Cost of the workshop is \$10 per person or \$15 per couple. To register, phone Karen Berquist at ext. 4471 or 229-4082. The evening dance is open to all, with \$3 admission payable at the door.

Bob Dalsemer's interests range from historical English country dance to modern western squares. He is a skilled instructor and a versatile caller. During the summers he has been a staff instructor at dance festivals and workshops across the coun-

try, including Pinewoods, Mendocino, Augusta and Brasstown. His publications include *West Virginia Square Dances* and *New England Quadrilles*.

The William and Mary NEWS

Publication Schedule

This is the final issue of *The William and Mary News* for this semester.

The tentative summer schedule includes issues on the following Wednesdays: June 15, July 13 and Aug. 10. Deadline for these issues will be 5 p.m. on the Friday preceding publication.

Additional publication dates may be added during the summer.

Normal weekly publications will resume with the Wednesday, Aug. 28 issue. The deadline to submit materials for first fall issue will be 5 p.m. Friday, Aug. 19.

Classified Advertisements

Classified ads are included as a service to members of the College community. The fee for ads is \$3 for three consecutive issues. Ads should be no longer than 40 words and must be submitted, with payment, to the William and Mary News office no later than 5 p.m. on the Friday preceding the first insertion. Any change is considered a new ad.

FOR SALE

Two-BR condo with refrigerator, dishwasher, washer and dryer, disposal and AC. Nicely furnished and carpeted. Jamestown Commons, \$525 monthly, includes utilities except electricity. Available June 1. Call 229-2430 after 6 p.m. (7/13)

Medium-size college refrigerator. Good condition. \$60 or best offer. Call Dave at 253-0937. (7/13)

'74 VW Superbeetle. Super shape, new finish, runs great. Fire-engine red. \$1,975. Call 229-8622 weekends or after 5 p.m. (7/13)

New 20-inch Lawn Boy push-type mower with rear catcher. Won as a prize, can't use. Retail \$369, asking \$240. Call 220-8154 after 5:45 p.m. (7/13)

1983 Grand Prix LJ. Automatic, AC, landau roof, power steering, power brakes, power windows, AM/FM stereo, cruise control, 60/40 seat (velour), V8 engine. Good condition, new inspection. \$4,500, negotiable. Call Diane, ext. 4654 or 566-0783. (7/13)

CAL '71, 27-foot fiberglass sailboat. Sleeps five in two cabins O/B auxiliary, VHF radio, fully equipped, three headsails, main and spinnaker. Two-time Bay champion; won Seaford Challenge, 1987. \$11,000. Call Peter, 565-2942 (home), or 642-7258 (work). (6/15)

1986 VW JETTA GLI — 35,000, A/C, sunroof, excellent condition, asking \$9,500. Call Mary Louise at ext. 4577 or 220-9463 (evenings). (5/18)

1970 Ford Fairlane station wagon. 302 V8 engine. Good condition, reliable transportation. \$1,000. Also 1978 Honda Accord 5-speed. 30 mpg on regular gas. \$950. Call 642-5237. (5/18)

1970 MGB. Less than one year on completely rebuilt engine and body. Engine was bored and dipped and has new pistons, rings, Crane cam, oil pump, timing chain, gears and more. Body has new rocker, lower fender, door panels, hood, windshield, top and more. Two years on new British wire wheels. Guards Red lacquer clearcoat with nice stereo. Call Eric Jensen, ext. 4311 or 229-4839. (5/18)

Luxurious, thick pile New Zealand merino lambs wool underblanket. Unused; wrong size. Fitted style,

queen size (78" X 60"). Sell at cost, \$131 or near offer. Phone David Round 565-3191 or ext. 4311. (5/18)

Sailboat. 25-foot Westerly twin keel (draft of 2.5 feet) with outboard and all cruising gear. Asking \$5,200; all offers seriously considered. Call 229-9574. (5/18)

1978 Audi Fox 2-door sedan. Front-wheel drive, 4-speed, fuel injected 1600cc VW engine. Stereo AM/FM with cassette, sunroof. New muffler, just inspected. Very reliable transportation. \$1,700. 642-7080 (days), 642-5223 (evenings). (5/11)

Village Green—2-BR, 2-1/2-bath townhouse in adult community within easy walking distance of W&M, CW, shopping, etc. Private patio in rear and porch in front. \$87,000. Call 229-5557. (5/11)

RALEIGH SQUARE TOWNHOME — Save points and closing costs by assuming FHA loan, 8-1/2% first year; 9-1/2% for the remainder of the loan. Located only a few miles from campus, this spacious 1,764 sq. ft. townhome offers 2 large BRs, 1-1/2 baths, finished basement with large utility room, all kitchen appliances convey, W/D hookup, and much more. Call 253-2756. (5/11)

1978 BLUE PONTIAC LEMANS in good condition. \$700 or best offer. Must sell because of graduation! Call Barbara, 229-8727. (5/11)

Two bookshelves (one metal, one wood) microwave stand, kitchen table (4' x 2') with two wooden chairs, two like-new lamps, TV stand, desk, double bed with box springs, nightstand, 2 area rugs (9' x 12') — one blue, one brown tweed — almost new. Call Barb or Becky, 229-8727. (5/11)

BARCLAY SQUARE — 2-BR, 2-bath condo on first floor. Enclosed sun porch, all appliances, covered parking, large storage. \$87,500. Call owner, 229-5557. (5/11)

1986 Honda Accord DX, 5-speed, air conditioning, AM-FM cassette, excellent condition, \$8,750. Call 642-5577, after 6 p.m. or weekends. (5/11)

FOR RENT

Looking for quiet, responsible, female graduate student or working person to share 2-BR townhouse. \$225

a month plus 1/2 utilities. Non-smoker. Call Dottie, 565-0445 between 10 a.m. and 5 p.m. (7/13)

Working 1985 W&M grad seeks responsible person to share large, brand new, 3-BR home. Living room, dining room, great room with fireplace and wet bar, laundry, screened porch and large deck with gas grill, kitchen with all appliances including microwave and dishwasher. Fully furnished (except bedroom) — TV, VCR, pots and pans, etc. Large yard. 8 minutes to campus; 12 minutes to law school. Rent \$250 per month. Call 229-4784 or 220-8349. (7/13)

4-BR, 2-bath, rancher. Large family room, study; unfurnished, but includes dishwasher, washer and dryer; approximately 2,150 sq. ft. Car porch. 1.5 miles from campus. Prefer non-smoker. Available July 1. \$725. Call 229-8964. (6/15)

Furnished 2-BR apartment in Conway Gardens, off Rt. 199 and Jamestown Road. Available June 15-Aug. 15. Central air, dishwasher, stereo, TV. Rent negotiable. Call 220-2051. (6/15)

Cape Cod, summer rental. \$500 per week, sleeps 6, private neighborhood near beaches and shopping in Brewster. Call Mary Louise Mageean, ext. 4577 or 220-9463. (5/18)

Two-BR house in Gloucester Point. Screened porch overlooking York River. Flower and vegetable gardens on 1/2 acre. Includes washer, dryer and microwave. One block from VIMS; 1/2 mile from the bridge. \$495 per month. Available June 1. Call 642-5237. (5/18)

3- or 4-BR, 2-bath rancher. 112 King William Dr. (off Olde Towne Road) Full carpeting, washer/dryer, fourth BR ideal as den, study, or separate-access BR \$625 per month, lease and deposit. Call 229-5545 or 229-2069 9 a.m. to 10 p.m. for appointment. (5/18)

Season's Trace Townhome — 2 BRs, 2 baths, A/C, kitchen appliances. \$525 per month. Call 229-4321. (5/18)

Summer Housing: New, furnished townhouse (Midlands) 3 BRs, 1-1/2 baths, 2 miles from campus, available May 15-Aug. 31. Rent negotiable. Call Dave 253-5510 or Rajir, 253-4710. (5/11)

2-BR Conway Gardens apartment, sublet June-August. Central air, dishwasher, outdoor pool. Convenient to campus (Rt. 199 and Jamestown Road). Rent negotiable. Call 220-8649, 7-10 p.m. or weekends. (5/11)

Large 2-BR, furnished apartment in Jamestown Commons (across from Peppertree). 1.8 miles from campus. Central air, washer/dryer, dishwasher, garbage

disposal. Shopping nearby. Rent negotiable. Sublet May 22-Aug. 22. Available next year. Call 253-2819. (5/11)

Patriot condo. 1-BR efficiency. Furnished, \$350; unfurnished, \$340. Security deposit required. Call 229-6345. (5/11)

Season's Trace Townhouse available to graduate student or faculty member. One bedroom, fireplace, W/D, loft, deck on lake. Available mid-May. Leave message at 565-1749. (5/11)

Two-BR condo with refrigerator, dishwasher, washer and dryer, disposal and AC. Nicely furnished and carpeted. Jamestown Commons. \$525 monthly including utilities except electricity. Available June 1. Call 229-2430 after 6 p.m. (5/4)

WANTED

Graduate student looking to house-sit through the summer. Responsible and reliable — no wild parties. Animal lover. Call Christine at 220-9316. (5/11)

Mother looking for a responsible person this summer to babysit for a 4-year-old boy at his home, Monday-Friday, 8:30 a.m.-5 p.m. Transportation needed. Pay negotiable. Call Barbara Alaverio at 220-4843, evenings. (5/11)

Tutor in pre-algebra needed this summer for 13-year-old girl. Female preferred. Pay negotiable. Call Paula Freeman at 565-1406. (5/11)

Returning graduate student with a family (children ages 10 and 12) would like to rent a 2- or 3-BR house for the month of June. Will consider a swap for 3-BR apartment in Hyde Park, Chicago. E. B. Hughes (312) 288-4228. (5/11)

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. Call Gayle Pougher, 565-0563, evenings. (5/11)

Teacher aides needed for William and Mary Summer Program for Gifted Learners, June 20-July 1. \$5 per hour. Approximately 4 hours a day. Contact Gifted Learner Program, 1-5 p.m., ext. 4434. (5/18)

Employment

Informational interviews will be held in the Office of Personnel Services each Thursday from 9 a.m. to noon on a first-come, first-served basis. This is an excellent chance to learn more about employment opportunities at the College and VIMS.

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

Deadline for applications for the following positions is May 20.

BUILDINGS AND GROUNDS DIRECTOR A (Grade 13) — Entry salary \$27,353. No. 103. Location: VIMS (Finance and Administration).

EXECUTIVE SECRETARY (Grade 6) — Entry salary \$14,655. No. 134. Location: Swem Library (Administrative Office).

SECRETARY SENIOR (Grade 5) — Entry salary \$13,412. No. 302. Location: History Department.

CUSTODIAL WORKER (unclassified) — \$4.51

per hour, part time, approximately 35 hours per week. No. A042. Location: William and Mary Hall.

WAREHOUSEMAN (unclassified) — \$5.90 per hour, part time, approximately 20 hours per week. Weekend work. No. A043. Location: Buildings and Grounds.

LIBRARY ASSISTANT (Grade 7) — Entry salary \$16,025. No. 196. Location: Swem Library (Reference).

FISCAL ASSISTANT (Grade 5) — Entry salary

\$13,412. No. N061. Location: Ash Lawn-Highland (Charlottesville).

University relations seeks photo assistant

If you're here for summer school and need a part-time job, University Relations is looking for someone to work up to 15 hours per week in black-and-white film processing and printing, some photography. Experience and dependability are a must. Please call Rebecca Whyley at ext. 4331, Monday-Friday, 8 a.m. to 5 p.m.

Calendar

Thursday, May 19

*Williamsburg Music Festival, Trinkle Hall, 8 a.m.-11 p.m. (Through May 20)

Friday, May 20

Housekeeping Awards, PBK Dodge Room, 10 a.m.

Saturday, May 21

Wren Chapel organ recital, 11 a.m.

Thursday, May 26

Virginia Symphony Concert, Wren Yard, 5:15 p.m.

Saturday, May 28

Wren Chapel organ recital, 11 a.m.

Monday, May 30

Summer Classes begin

Saturday, June 4

Wren Chapel organ recital, 11 a.m.

Friday, June 10

Alumni College (Through June 12)
Deadline for all material for *W&M News*

Saturday, June 11

Wren Chapel organ recital, 11 a.m.

Monday, June 13

Mellon Foundation Meeting (Through June 22)

Wednesday, June 15

HACE, CC ballroom, noon
W&M News issue

Thursday, June 16

Arts and Sciences Council Meeting (Through June 18)

Saturday, June 18

Wren Chapel organ recital, 11 a.m.
*Ash Lawn-Highland (Charlottesville) Summer Festival — opera, chamber music, Shakespeare — (Through Aug. 21)

Friday, June 24

Board of Visitors

Saturday, June 25

Wren Chapel organ recital, 11 a.m.
Concert: Colonial Williamsburg musicians, Sunken Garden

Monday, June 27

NASA Meeting (Through July 1)
National Association of Elementary Principals (Through July 2)

Saturday, July 2

Wren Chapel organ recital, 11 a.m.
*Colonial Crafts Weekend, Ash Lawn-Highland, Charlottesville (Through July 3)

Monday, July 4

Ice Cream Social, Wren Yard (rain date: July 5)



President Verkuil presents Sullivan Award to Harriet Reid, former director of career planning.



Sullivan winners



Carr Cup winner

Special awards given at Commencement

Continued from page 1.

ready to begin to collaborate, one with the other, in terms of what pressing issues we are going to have to solve and deal with.... You don't need any platform speaker to tell you what the issues are we've got to face. You know what the issues are. What you need to do is find the courage to articulate them, to be able to engage in intelligent conversation about what you believe is going to be necessary for the areas we are going to have to solve if the year 2000 is going to be a time of great delight."

In conclusion, Forbes urged students to get started right away to answer his challenge. "Get started. That is the intelligent approach to get to the year 2000."

Several awards were announced by President Verkuil during Sunday's exercises

The Lord Botetourt Medal, established in 1772 by Norborne Berkeley, Baron De Botetourt, Governor of Virginia for "the honor and encouragement of literary merit" has been revived in recent years as an award to the student from the graduating class who has attained the greatest distinction in scholarship.

The 1988 recipient is Karen Susan Galloway, a member of Phi Beta Kappa and the recipient of highest honors in biology. She is the winner of the Phi Sigma Award for outstanding biological research and has held summer research fellowships from both the College and the University of Virginia. A manuscript arising from her honors research has been accepted for publication in *Evolution*, the leading international journal in evolutionary biology.

President Verkuil also recognized two other seniors who, like Karen, have achieved the distinction of graduating with a perfect 4.0: Shawn Adrian Barrett and Elizabeth Tobin Shiers.

In honor of Thomas A. Graves Jr., former president of the College, an award has been established to recognize sustained excellence in teaching. The recipient this year is John E. Donaldson, Ball Professor of Law.

The citation noted that Donaldson had been a law teacher of the highest distinction for 20 years. "Blessed with a first-rate legal mind, your pedagogical talents are equal to your intellect. Your particular gift is to make complex legal subjects comprehensible without stripping them of subtlety or substance.

"In an age of increasing specialization, you have demonstrated teaching talent in an extraordinary range of courses. No matter what the subject, your students consistently identify you as one of their most memorable teachers. You have always understood that a teacher's responsibility does not end at the classroom door. Your character and courtesy are models for aspiring members of a learned profession. You command respect not only because of your intellect, but also by your moral example."

The Algernon Sydney Sullivan Award was presented to Dianne Theresa Carter, Andrew Wiley Jacob and Harriet Reid. This award is made by the New York Southern Society to perpetuate the memory of the life of Algernon Sydney Sullivan. In the selection of recipients, nothing is considered except the possession of characteristics of

heart, mind and conduct as evince a spirit of love for and helpfulness to other men and women.

Dianne is a Presidential Scholar and a Martin Luther King Scholar who has served as the president of her sorority and as a President's Aide. For four years she has donated her services as a tutor to students in freshman writing, and she has worked as a volunteer with senior citizens in Williamsburg and in voter registration activities.

A counselor in the College's Virginia Student Transition Program, Dianne has served as a resident assistant, head resident and is a member of both Mortar Board and Omicron Delta Kappa.

Jacob is an outstanding member of the men's varsity track and cross country teams and has served as head resident of the Dillard Complex this spring, displaying great caring, personal sensitivity and an extraordinary willingness to share his time, his energy and his skill in the service of his fellow students. He received the Rita Welsh Adult Skills Program award for his work as a tutor in that program.

Ms. Reid retired from the College two years ago after serving as a member of the administrative staff for 22 years, the last 11 of which were spent as director of career planning.

As director, she developed an impressive array of career planning services for students and alumni including a superb library, a computerized career guidance program, publications, an internship program and an alumni speakers forum. But her most enduring contribution was the energy, warmth and caring she brought to her counseling.

Two of her former students describe her impact as follows: "Harriet has a unique talent for cultivating individual potential and for working personally with students to help them analyze, understand and then maximize their individual attributes."

"The reaction of people after meeting with Harriet was always the same: a new sense of self-worth, a new enthusiasm for finding a niche in the marketplace and a determination to make one's ambition a reality."

In the words of a faculty colleague, "Harriet's benevolent spirit extends beyond the College well into the community in which she lives. Her concern for the welfare, happiness and special needs of others is evidenced by her active involvement in a broad range of community services and programs."

She has been a member of the board and chairman of the Williamsburg Task Force for Battered Women, a volunteer with the Child Development Resources program and a member of the board and officer with the Hospice of Williamsburg. Less well known has been the special relationship she has established with and care she has provided to several elderly members of our community. "Harriet Reid is a caring human who has channeled her energies, intelligence and generous self into projects which benefit our students and us all."

President Verkuil expressed his appreciation to the senior class which has raised more than \$38,000, the most ever raised by graduating students, for the university's efforts to renovate the Lake Matoaka area. "Please accept our most sincere thanks for this splendid expression of support," said Verkuil.

EXHIBITS

MUSCARELLE MUSEUM: "Photos by Manuel Carrillo" (Through Aug. 21)
"Highlights from the Museum's Permanent Collection (Through Summer)

College tests drinking fountains

Spurred by a recent *Washington Post* article on the hazards of lead in drinking water, the College of William and Mary has completed testing its drinking fountains on campus and discovered that only one requires replacement. One fountain in Brown residence hall was found to have a lead level slightly above the accepted level of .05 ppm (parts per million), but well below the toxic level.

The *Washington Post* article quoted an EPA study that determined one out of every five Americans were consuming unsafe levels of lead in residential drinking water.

Priscilla Shea, administrator of the office of safety and environment issues for the university, undertook the testing in coordination with William F. Merck, vice president for administration and finance. Faculty and students in the chemistry department assisted with material and volunteers in gathered samples. Testing was done by Environmental Laboratories, Inc., of Ashland, Va.

Martin Mathes, professor of biology and chairman of the university's landscaping, energy and environment committee, has said he hopes similar tests will be made on water fountains in the area, especially those in heavy traffic areas such as office buildings and schools.

Shea has offered to share information from the university survey which would be helpful to others undertaking a similar project.

The 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.