

## Follow Me

Faculty Marshal Oris Griffin carries the JMU mace at May commencement and is followed by President Linwood H. Rose and keynote speaker John Snow. The mace was commissioned in 1979 by the JMU Faculty Senate, funded by the Class of 1943 and created by Ronald Wyancko, professor emeritus of art. (See graduation, Page 8)



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## Football and Furious Flower

### Unbelievable

Thank you for this last issue of our James Madison University magazine, *Montpelier* [Winter 2005]. It is surely a collection of some of the most beautiful writing I have had the opportunity to read in many months. The second page, "Unbelievable," says it all. I am writing first of our NCAA National Championship. I am really proud of our team for achieving the 2004 NCAA Division I-AA National Championship. They have worked long and hard for that. Ralph and I send congratulations to each player, coach and especially Mickey Matthews. Thank you for the poster. I must find a place to post it! The special "Furious Flower" section deserves a blue ribbon. Your story about Joanne Gabbin made me wish I could be a student again and attend her classes. What wonderful teacher-professors these persons who participated must be. The entire magazine is really a collection of unbelievably beautiful writing. I am so glad that our students had the opportunity to be a part of this presentation. Thank you for bringing portions of it to all of us through *Montpelier*. I shall be watching for the "new" magazine with great interest.

INEZ G. ROOP ('35), *Richmond, Va.*

### Thank you

Wonderful is the "Furious Flower" poetry section in your latest issue [Winter '05]. JMU is keeping up with the student body. Every article was open and searching for a connection with the truth. Much gratitude....

LOUISE SCHULLERY COX ('67)  
*Windsor, Conn.*

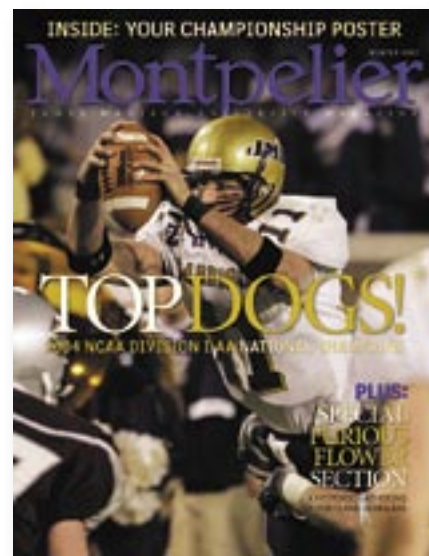
### Friendly rivalry

Ida Hall, an alumna of William and Mary, and I are co-workers at Rappahannock Hang-

## DON'T MISS

**Family Weekend Oct. 7-9**  
**Homecoming Oct. 28-29**

[www.jmu.edu/alumni/](http://www.jmu.edu/alumni/)



Ups and Gallery in Kilmarnock, Va., but we do not agree on college football teams. We had a lot of fun dressing to support our alma maters on Dec. 10, 2004, when JMU and W&M played against each other. We all know what happened. Go Dukes! My daughter, Elizabeth Wilkins, is a freshman at JMU, and she gave Ida a hard time also. All in fun, and we are all proud of our schools.

CAROLYN WILKINS ('78), *Kilmarnock, Va.*

### Venomous ignorance

The university debases itself with grim opportunism ["Does he hate me?" Winter 2005]. To let this amazingly illiterate girl (L. Freedman) characterize herself as gullible and con person is disgusting, but in truth, much like the profile of the university. The university should at least teach their students to read, no matter their twisted political bias. To think, e.g., that Judaism and Israel have something to do with each other or to try to dismiss as fact the quote about Five Israeli's cheering 911 from the top of a truck, which was reported twice by *The New Jersey Star Ledger* and twice by the *New York Times* cheapens the university's claim to teach scholarship. How many times must it be pointed out that Israel is a foreign state, it has nothing at all, per se, to do with Judaism or Jews. And to wonder if persons who hold to such facts "hate her" makes one both furious and sad. As for myself, let me say, I do hate the venomous ignorance which the university takes pride in helping disseminate.

AMIRI BARAKA, *Newark, N.J.*

### Learning to count

In the last *Montpelier* [Winter 2005], there is an article, "Crossroads to understanding," that starts off: "During JMU's seventh annual International Week celebration ..." I think this is a mistake, as I started the first international culture week at JMU back in 1988-89 (almost 16 years ago). If you dig back in the records, you'll find it was a huge success, and my understanding was that it became an annual event after that. So this past one would have been the 15th annual ... right?

JAMES KLOIBER ('89), *Manhattan, N.Y.*

EDITOR: Although there were several precursory international celebrations sponsored by varying student groups, the first university-sponsored International Week was coordinated by the Office of International Programs in 1998.

### Still getting out the vote

It has taken me quite a while to get this letter written, but I was determined to tell the staff of *Montpelier* that your various interesting covers this year have caused me to read the magazine. I was intrigued with the "Orange Band" idea and the fact that the faculty, staff and administration joined and encouraged the student body to go this route rather than a free-for-all between the Reds and Blues. I have shared your idea of the Orange Band with others. I belong to a nonpartisan group to fight for a state law to get good legislation for electronic voting, including voter-verified paper ballots, random audits and open-source code on voting machines. ... I did go house to house to register new voters. I won't do that again. Steps without handrails are too dangerous. I am 87 and a 1939 graduate and am still reading alumni literature. Congratulations on your interesting magazine covers and university activities.

K. ISABELLE BUCKLEY ('39), *Raleigh, N.C.*

### AXP/Showalter Apartments

Your article in the fall 2004 issue of *Montpelier* titled "Madison Memories: Gently Down the Stream" brought back some great memories. It was fun looking at the pictures and reading about the brothers of AXP. When I transferred to Madison College, I became friends with a number of the AXP brothers. In fact, my roommate, Tim Phillips, ended up joining AXP. As a transfer student, I ended up sharing a large two-floor apartment with eight other guys who were also transfer students. Our apartment was separated by a stairwell in the front and back from another apartment of equal size that housed a number of AXP brothers. Even though I was not a member of the fraternity, the AXP brothers treated my roommates and me almost as if we were. These guys had an open door at all times and welcomed my roommates and me over to their apartment. We, in turn, welcomed them to stop by our apartment anytime they wanted. The AXP brothers would often invite us over to their parties and to other activities that they had set up around Harrisonburg. At times, we even used both of the large apartments for AXP social activities. The atmosphere in this apartment was one of sharing, friendship and brotherhood. I feel the AXP fraternity helped to encourage that kind of atmosphere. I feel fortunate to have been able to live in Building 5 of the Showalter Apartments and to have had some guys from AXP as my neighbors and friends while I was a student at Madison College.

BILL HAMMOND ('75), *Salem, Va.*

### Madison welcomes letters

Submissions are subject to editing, and anonymous letters will not be published. Send to "22807," *Madison*, JMAC #6, Suite 21, MSC 5718, JMU, Harrisonburg, VA, 22807 or madisonmag@jmu.edu.

## Renamed, redesigned

*Madison in your own words*

As you no doubt have noticed, the magazine you're reading has a new name and a new look. After a brief hiatus for a thorough redesign, *Montpelier* makes way for the debut of *Madison*.

*Montpelier* served as a solid, dignified name for the magazine since 1977, just as the *Madisonian*, *Madison Quarterly* and *Virginia Teacher* had earlier. As JMU's reputation grows in popularity and esteem across the country, the administration has chosen *Madison* to signal a more obvious and immediate connection to the university. It is also a name that embraces JMU's history, which will grow in importance as the university approaches its Centennial Celebration in 2008.

*Madison's* expanded format allows JMU to tell a fuller story while retaining many of the things, like campus news and class notes, you've come to expect. Some new items, like *By the Numbers* and *Connect*, are fast, fun and informative. Others, like the service-focused *One World*, are more contemplative and characteristic of JMU's education.

What truly distinguishes *Madison*, however, is you. We've devoted a good portion of the magazine to stories you have written. Departments like 22807, Professors You Love, Transformations, Real Life, My Madison, Class Notes, and, in the future, feature-length stories, will carry the bylines of alumni, students and professors. Who, after all, can better express the Madison Experience than those who participate in it and shape it? Involvement is how the Madison Experience continues to flourish well beyond graduation.

The *Madison* staff — Michelle, Bill, student assistants and I, along with the professors and alumni who have contributed articles this time — hopes you will investigate these pages, like what you read and then take the next step: Get in touch.

If you have a story to share, please contact us to discuss the possibilities. While we naturally will be selective, we will always be on the lookout for stories of personal and professional service, achievement and transformation that contribute to a lifelong Madison Experience for all readers.

Happy reading.

PAM BROCK, *Editor*

*Editor*

**PAM BROCK**

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**DONNA RAGSDALE DUNN** ('94)

**EVAN DYSON** ('08)

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**GIULIANA FAZZION**, Ph.D.

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**CLAY GAYNOR** ('06)

**JAMES KEGLEY**

**ANGIE KRUM** ('98)

**CATHY KUSHNER** ('87)

**BRETT LEMON** ('06)

**JILL LIVICK** ('05)

**JENNIFER MACE**

**GARY MICHAEL** ('77)

**ALEX NABAUM**

**ANDY PERRINE** ('86)

**JOSH PRINGLE** ('95)

**MIKE REILLY**, *Daily News-Record*

**BETTY WALKER RUDD** ('58)

**OLIVER SCHWABE**

**ANDREW SHURTFLEFF**

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*Madison*, the magazine of James Madison University

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## Contributors



Last spring, JMU media relations specialist **Janet Lillard Smith ('81)** chased reporters chasing justice studies professor Peter Pham. The former Vatican insider was in high demand throughout the papal succession as a news commentator and CBS News consultant. "I got e-mail from him written in the middle of the night. He was working around the clock," Smith says, "and he never missed a class." Smith, a JMU journalism graduate, helped Pham navigate the media queries and then wrote the *Madison* story on Page 24.

"In the middle of this destruction, the children were ready to create," says play therapist and graduate psychology professor **Anne Stewart** of her visit to Sri Lanka after the tsunami. The licensed clinical psychologist received her Ph.D. from the University of Virginia and was a clinical fellow in psychology at Harvard Medical School. In addition to her work with children, couples and families, she works in humanitarian demining and international collaboration. Married to Joseph Pellegrino and mother to Hannah, 10, and Zander, 12, Stewart is available to talk about her experiences in Sri Lanka. Page 31.



"To this day, I still regard my professors and mentors, Dr. Brevard and Dr. Pearson, as two of the reasons I wanted to become a registered dietitian," says **Lisa Tartamella Kimmel ('92)**. The 1997 Young Dietitian of the Year was a scholarship recipient in JMU's dietetics program and today is a nutritionist, spokesperson and sport nutritionist for Yale-New Haven Hospital. The author of *Generation Extra Large*, she reports that "our nation's obesity epidemic has reached the *Sesame Street* crowd" and offers some practical advice for parents. Kimmel lives in Milford, Conn., with her son, Max (left), and husband, Greg.

**Randy Jones**, who explores Gregg Henriques' development of the Tree of Knowledge, is public relations and publications manager with the Virginia Department of Historic Resources. A freelance writer and regular contributor to *Montpelier*, Jones attended JMU in the late 1970s and received his M.F.A. in creative writing from VCU. He was a book editor and assistant editorial director for the Center for American Places and contributed "Notes on Photographs" for *The Mississippi River in 1953: A Photographic Journey from the Headwaters to the Gulf of Mexico* by Charles Dee Sharp.



Frequent *Montpelier* contributor and former *Breeze* photographer **Casey Templeton ('06)** and *Montpelier* editorial intern **Erin Pettit ('05)** team up for the photo essay and feature article *Forever Young* on Page 46. The feature chronicles retired school librarian Mildred Hammond ('52) and her gentleman farmer husband's decision to enroll in clown school. Now, "Bubble B and Mr. B" are serious about spreading joy. Templeton's work has appeared in the *Roanoke Times & World News* and can be viewed at [www.caseytempleton.com](http://www.caseytempleton.com). Pettit, assistant adviser for JMU's Centennial Dukes, graduates in December from the School of Media Arts and Design. She has completed an internship with *Soundings*, the Military Newspapers of Virginia.

JONES BY CASEY TEMPLETON ('06)

## Directions



## Madison is on everyone's lips

*Is it on yours? Word of mouth means as much as national rankings*

**A**s you already must have noticed, the magazine for James Madison University alumni, parents and friends has a new name and a new look. The magazine and its predecessor publications have carried several different names, but *Madison* seems like the perfectly appropriate title for a vital means of communication with the university's many constituents.

The university consistently is rated highly in national college rankings and receives much favorable publicity. This year, and for the 12th year in a row, *U.S. News & World Report* ranked JMU No. 1 in the South among public master's-level universities and No. 2 overall. As valuable, however, is a Commonwealth Poll taken in Virginia last spring that shows that the top source of information about Madison is word of mouth from students, their parents, alumni and friends.

The positive comments invariably evolve from the incredibly high satisfaction rate of both students and alumni with their university. Students and alumni alike react favorably toward the university primarily because of the "Madison Experience." The Madison Experience — a rare and effective combination of challenge and support — has been known by other names through the years, but its existence has been constant since the State Normal and Industrial School for Women opened in 1909 with an enrollment of 150. Today that student body has grown to 16,600, but the Madison Experience remains unchanged. Students are important and they are involved. This has given JMU its greatness, and its positive effects resonate throughout the years and the nation.

As JMU approaches its Centennial Celebration in 2007-08, the university is likely to continue to grow in response to the needs of a rapidly increasing student population in Virginia. Rest assured, the Madison Experience will remain a key and unalterable part of James Madison University.

If you are an alumnus or alumna, the Madison Experience has added value to your degree — both in terms of your experiences on campus and in terms of your life after graduation. As you succeed in professional and personal endeavors, it is important that you let us know; so we can recognize your successes and tell the world about your JMU connections. JMU stays with you, and your lives contribute to the value and importance of the JMU degree.

To maintain the excellence of the Madison Experience, we need the help of alumni, parents and friends. Continue to talk to friends and family about the university and the special educational experiences it offers. If you are an alumnus or alumna, be sure and mention that fact when you are singled out for recognitions and honors. Return to campus often. Read the alumni and college online newsletters. Be involved. With that involvement, we will succeed in our efforts to make JMU an even greater institution of higher learning.

The magazine is already an award-winner. It has been cited in state, regional and national competition for its quality of design and writing. The magazine is like the university itself. Even excellence can be improved. *Madison* will reflect our continuing commitment to the Madison Experience and will carry more items written by alumni, faculty members, students, parents of students and friends of the university. It will showcase the Madison Experience and its transformative power.

Enjoy your new magazine and please remain involved in James Madison University.

LINWOOD H. ROSE, *President*  
James Madison University

# M@disson

*Keep current and connected*

[Finally]

## 'Keep your spirit of inquiry sharp'

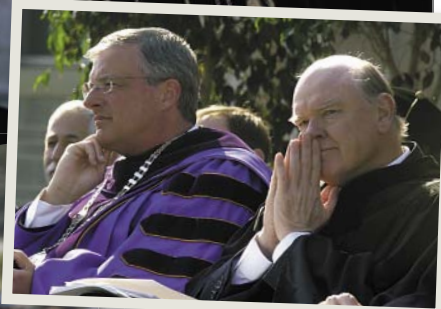
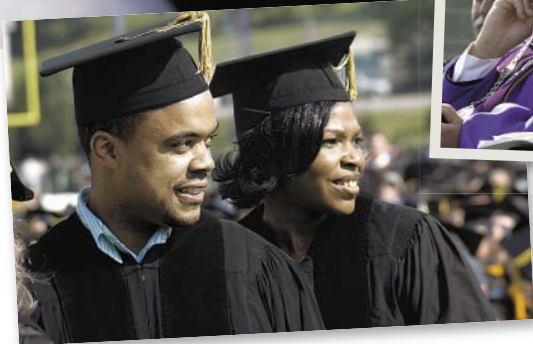
*Treasury Secretary tells grads to pursue lifelong learning*

Education is not the knowledge you gain. It is the ability to learn," 73rd U.S. Secretary of the Treasury John W. Snow told JMU's May 2005 graduating class.

Snow was the main speaker for the university's spring commencement in Bridgeforth Stadium, where JMU President Linwood H. Rose welcomed graduates and their families and conferred 2,859 bachelor's degrees, 320 master's degrees and a record 13 doctoral degrees.

"An educated person has a spirit of inquiry," Snow said, "and that is far more important than a body of knowledge. Because ultimately one must find answers through that spirit of inquiry, self-reliance and self-confidence — the things that lie at the heart of a good liberal arts education."

Bridgeforth Stadium's commencement was viewable via indoor, large-screen projections in Godwin Hall, Wilson Hall, the College Center Ballroom, the Convo and the new stadium scoreboard. Read Snow's remarks at: [www.treasury.gov/press/releases/js2434.htm](http://www.treasury.gov/press/releases/js2434.htm).



May graduates celebrate. JMU President Linwood H. Rose and speaker John Snow, U.S. Secretary of the Treasury, contemplate remarks from the dais.



## Madison music at the Kennedy Center Sept. 28

*Major university announcement to accompany performance*

The James Madison University School of Music will present **September Sonatas** at the Kennedy Center on Sept. 28. JMU President Linwood H. Rose will make a major university announcement before the musical program, which will feature JMU faculty

members **Wanchi Huang** on violin and **Gabriel Dobner** on piano. A special highlight of the concert will be the world premiere of *Rant*, written for Huang by JMU professor and composer **Jason Haney**.

A reception will be held at the Watergate Hotel before the concert. Tickets for

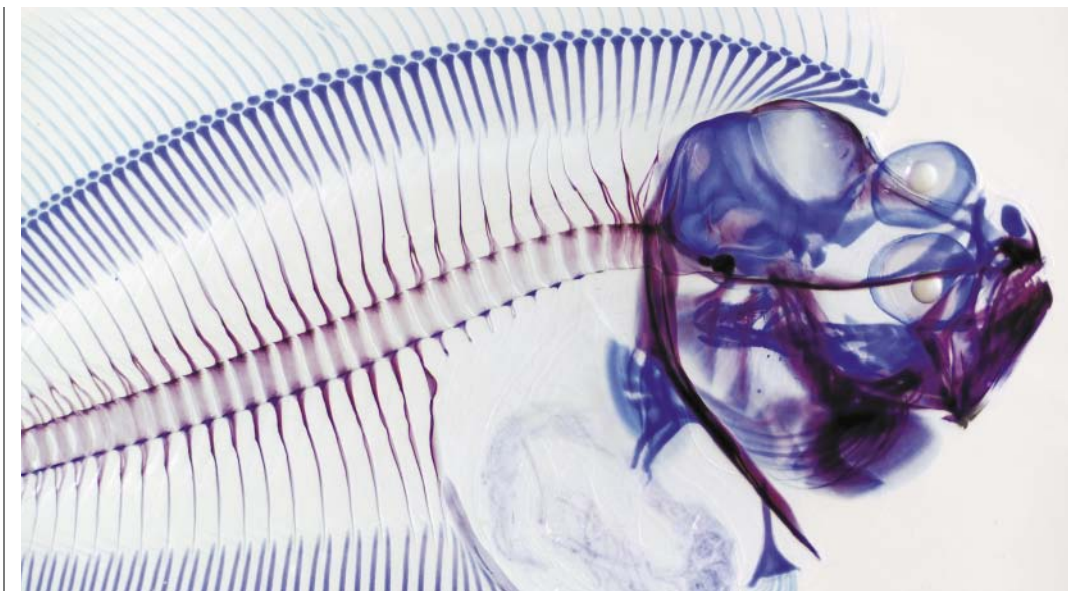
the reception are \$50 and include a complimentary ticket to the Kennedy Center concert. For tickets and more information, please call the JMU Alumni Association at (888) JMU-ALUM. Tickets just for the concert are \$25 and available from the Kennedy Center box office at (800) 444-1324.

[Exhibit]

## Art, science converge in technology

"We live in an increasingly visual age. With developments like digital technology and the Internet, the role of images has transformed communication, human interaction and the way scientists investigate the world," says art history professor David Ehrenpreis, who joined three colleagues in *Aesthetic Discoveries: Art & Science at JMU*, an exhibition about the art of scientific visualization. The exhibit was featured in the Leeloulu Alumni Center during April and spanned the disciplines of art, biology, chemistry and geology to show how scientifically generated images can be both academically useful and hold aesthetic value.

"The force that makes this extraordinary range of new vistas visible is technology," says Ehrenpreis, who will direct the new Center for Visual Studies, part of the new College of Visual and Performing Arts. "Advances in microscopy and digital imaging continue to open new horizons. Just as contemporary scientists are fascinated by the aesthetic power of images, today's artists are adapting the latest visual technologies to create new kinds of art. ... The link between scientific inquiry and artistic creativity is far from new,



*Aesthetic Discoveries: Art & Science at JMU* featured works by biology, chemistry and geology professors. (Above) *Paralichthys dentatus* by biology professor Chris Rose shows a stained and cleared whole mount of a summer flounder at a midmetamorphic stage, showing the lower eye in the process of migrating to the edge of the head.

and is perhaps best exemplified by Leonardo da Vinci. For him, these two endeavors were intimately linked. Thus on a preparatory drawing for his *Last Supper*, we see a precise geometric diagram analyzing the construction of a polygon. While the idea of an artist being a scientist, or a scientist creating art may seem more problematic in our own modern age of countless disciplinary specializations, it is, in fact, the same impulse that prompted this showcase of the art and science interchange at JMU."

The exhibit included works by chemistry professor Brian Augustine, geology professor Lance Kearns and biology professor Chris Rose.

[Debate]

## Can't argue with that

*Madison Cup drives national win*

The JMU debate team won the Public Sphere Debate Award at the 2005 Cross Examination Debate Association's national tournament in San Francisco. The CEDA award is given to the intercollegiate debate program that best advances the values of debate in the public sphere through sponsorship of campus, community, broadcast or international debate and promotion of public discourse.

"The dream of making public debate an institution on campus started five years ago with an exhibition debate to celebrate James Madison's birthday," says Pete Bsumek, director of debate. "Three years ago, that exhibition debate became the Madison Cup, an intercollegiate public debate sponsored by the James Madison Center as a showcase event of Madison Week. The success of the Madison Cup pushed us to expand campus public debates into regular events, and that success led to the launch of the James Madison Public Debate Forum."



John Magnotti and Piero Mannino listen to opposing arguments during a 2005 Madison Cup preliminary debate. The six-member JMU team won this year's Cross Examination Debate Association's national Public Sphere Award.

The public debate forum organization is directed by students and creates public discourse between interested students and organizations. In 2004-05, the group started a thriving partnership with the student organization Orange-Band, which shares the same mission — "promoting constructive dialogue about meaningful issues." The partnership created opportunities to spread public debate on campus and in the broader community and helped garner this year's CEDA recognition.

Throughout 2004-05, the public debate forum led several events including the annual Madison Cup; a College Democrats vs. College Republicans debate in support of Orange-Band's voter registration and election education drive; participation in Debate Watch, a long-running program designed to record feedback of presidential debates; and an exhibition debate for the Veterans Association at Harrisonburg's Sunnyside Retirement Community.

"With avid support from the administration and the James Madison Center, and through partnerships with other student organizations, public debate is thriving at JMU," says Bsumek.

[No alcohol]

## No hangovers, no regrets

Parents and college students alike have seen the classic college movies that brand a party-till-you-drop image as an expected part of campus life. Students and administrators at JMU are trying to debunk the "you have to get drunk to have fun" image and are offering alcohol-free weekend activities to students.

The JMU administration charged Chris Stup, assistant director of Student Organization Services, to develop a program and gave him a \$20,000 budget. Students and professors jumped in to help, and the No Regrets campaign was established last fall.

The No Regrets program offers students substance-free activities on campus every Thursday through Saturday during late-night hours. Stup says that No Regrets events are entertaining and diverse and provide students with information that enables them to make educated choices. "We want to offer a positive image of alternate night life and educate students about the dangers of underage drinking," he says.

Another No Regrets goal is participation through consistency. Volunteers ensure that the same campus areas and activities are open each week-



## PETAL POWER

New on the daffodil market is *Narcissus O'Bodkin*, named in honor of Norlyn Bodkin, professor emeritus of biology and founding director of the Edith J. Carrier Arboretum and Botanical Gardens. The bulb was developed by Brent and Becky Heath, owners of Gloucester's Brent & Becky's Bulbs and longtime supporters of the arboretum, which celebrates its 20th anniversary this year.

end. Taylor Down Under is open until 2 a.m., and Grafton Stovall Theatre plays movies in the evening and late at night. No Regrets events have also included concerts, guest speakers, guest DJs, open mic and poetry nights. The organization also provides grants to existing clubs that sponsor nonalcoholic events. This past year, the group also sponsored events with JMU clubs including two late-night breakfasts

that drew nearly 700 students for food, a DJ, a moon bounce and Twister.

"The faculty and staff members who volunteer at these events until the wee hours of the morning are providing smart alternatives for students," Stup says. "We've done more than stick our toes in the water, but hopefully next year we can do even bigger and better things."

JILL LIVICK ('05)

### [Hall of Fame]

## Leaving a mark on Madison

Former coach and Olympian among Hall of Fame inductees

The JMU athletics department honored three inductees into the university's Sports Hall of Fame in April at the Greater Madison banquet. Inductees include basketball player Steve Hood ('91), track and field star Tiombé Hurd ('95) and former basketball coach Charles "Lefty" Driesell.

Two-time Colonial Athletic Association player of the year, Steve Hood was the conference's top scorer in 1989-90 and 1990-91. JMU won the league's regular-season crown during each of Hood's two seasons and competed in the National Invitation Tournaments. He remains the Dukes' career three-point shooting percentage leader (.464).

Tiombé Hurd is the JMU women's track and field program's most-decorated athlete. She competed in the 2004 Summer Olympic Games as a triple jumper after setting an American record of 47-feet, 5-inches in the U.S. Olympic Trials. She won All-America honors five times as a student and was fourth overall at the 1995 outdoor collegiate championships.

Lefty Driesell compiled a 159-111 (.589) record with the Dukes from 1988 to 1997, took the Dukes' men's basketball team to postseason play five times and had four 20-win seasons. His team won the 1994 CAA Tournament, and his teams won the CAA's

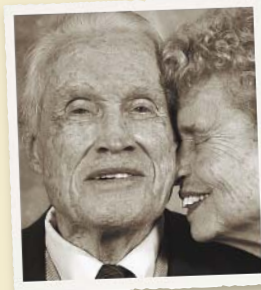


Steve Hood ('91), Tiombé Hurd ('95) and Charles "Lefty" Driesell.

regular-season crown or tied for the title in five consecutive seasons (1989-94). Driesell was the CAA coach of the year in 1989-90 and 1991-92 and the Virginia college coach of the year in 1993-94. Under his direction, the Dukes had two CAA players of the year, three CAA scoring leaders, and 11 first-team All-CAA honorees.

## By the Numbers

**2** JMU receives its first two chairs in 2004, one in the College of Business by an anonymous donor, and the other



in psychology, funded by longtime donor Alvin Baird (left).

**13** JMU bestowed 13 doctoral degrees in May, the most so far (as well as 2,859 undergraduate and 320 graduate).

**4th**

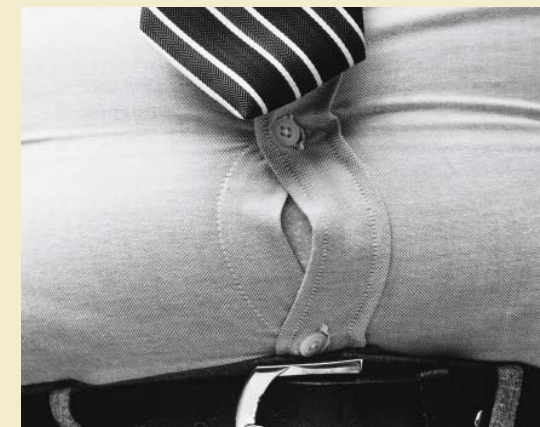
JMU ranks fourth in the nation in its enrollment size for the number of alumni (57) serving in the Peace Corps.



**14** *The Breeze* captured 14 Virginia Press Association Awards this year.

**one**

The JMU Brass Band, ROTC program and debate team (see Page 9) are No. 1 this year. JMU's Army ROTC program earned the MacArthur Award (below) as the best large battalion east of the Mississippi River, commissioning more than 19 lieutenants annually. JMU's 30-member brass band outscored six other bands to win the North American Brass Band Association's championship for the second year.



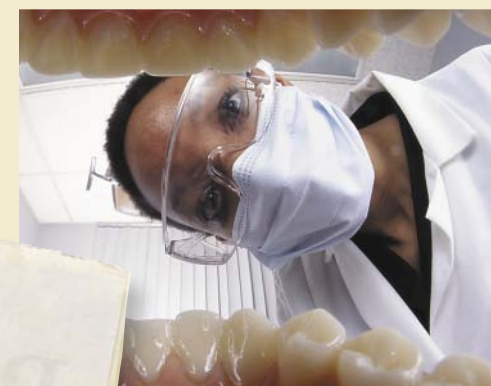
**33** There are only 33 calories in the vegetarian vegetable soup served at the Festival, while the barbecue pork wrap has 43.1 grams of fat. Students can select from a range of choices at 15 places students can eat on campus.

**\$225**

is the minimum dollar amount students spend out of their own pockets to help others as tutors, health workers, teachers, cooks, carpenters and laborers at homeless shelters, AIDS hospices and community outreach centers through JMU's 23 Alternative Spring Break trips.

**81** *The Princeton Review* and *Campus Compact* names Madison one of 81 American "Colleges with a Conscience" for fostering social responsibility.

**39** percent of JMU's alumni physicians and dentists are female.



Madison

Madison

# Nothing to blink at

Professor offers relief from dry eye syndrome BY CHARLES CULBERTSON

**T**he waiting rooms of eye doctors throughout the United States are filled with patients seeking relief from one of the most common and irksome of ailments: dry eye syndrome. Finally, research is under way that may give sufferers real, lasting relief; and JMU is at the forefront of the effort.

The protein lacritin is found naturally in tears, but cannot be harvested in sufficient quantities from tears to allow for testing or use in any new treatments. "Lacritin is secreted from a gland behind the eye that escaped scientific detection for many years," says Robert McKown, the integrated science and technology professor who is heading up the project. "It may be involved in stimulating new tear production and, if so, could form the basis of a revolutionary treatment for dry eye syndrome."

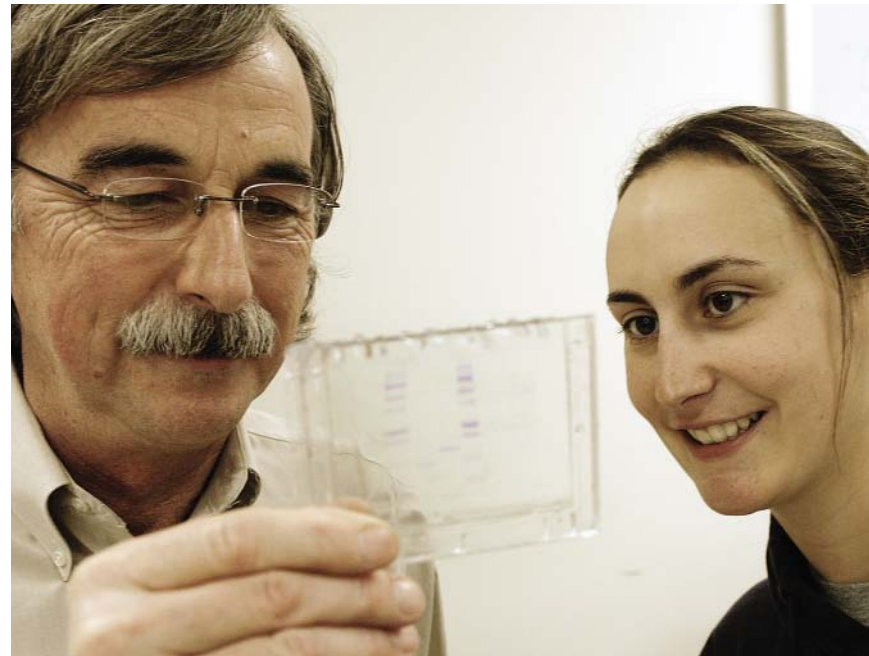
Upwards of 35 million Americans suffer from this inability to produce tears in sufficient quantity and quality to lubricate the eyes, and the result can be a maddening ocular cocktail of itching, burning, irritation, blurred vision and sensitivity to light.

Dry eye syndrome can range in severity from mild irritation to a severe inflammation complicated by reduced vision or blindness. Sufferers may experience a feeling of grittiness and ocular discharge. Since aging is one of a number of causes of dry eye syndrome, the condition will likely become more common as baby boomers grow older.

"That's where JMU's biotechnology laboratories entered the picture," McKown says. "In collaboration with Gordon Laurie, a professor at the University of Virginia who discovered and named lacritin, we cloned, reproduced and purified this protein from genetically engineered bacteria."

Laurie had heard of JMU's biotechnology concentration within the ISAT program and thought perhaps it could help solve the lacritin problem. "Dr. Laurie gave me a call, and I invited him to talk to our students," says McKown. "We discussed research, and both of us realized we had areas of expertise that would complement each other."

The collaboration, which began in 2002, grew to include EyeRx Research Inc. and Eastern Virginia Medical School, both in Hampton Roads. James Madison would provide the bench work, the cloning, expression (reproduction) and purification of lacritin while participants from EyeRx would focus on such scientific elements as experimental design, data analysis, report writing and ensuring that the project retained its clinical focus. The role of the Thomas R. Lee Center for Ocular Pharmacology at EVMS would be to conduct animal testing once the lacritin was produced.



Integrated science and technology professor Robert McKown and ISAT major Kristin Bloom examine purified lacritin on a protein gel in the biotechnology labs.

Using a federal grant from the National Institutes of Health, the lacritin produced at JMU is being used in preclinical animal tests at EVMS. "There are no surgical procedures associated with this proposal," according to the NIH grant proposal. "Any pain and distress experienced by the subjects will be minimized." The tests, which will determine the effectiveness of lacritin to increase tear production, will be completed and published in fall 2005.

ISAT professor Ronald Raab assists McKown with students in JMU's biotechnology labs. One of the leading elements of the ISAT program is active participation in research and development by students. Biotechnology senior Staci Johnson ('05) of Virginia Beach was attracted to this project right away. "I knew I wanted to do it because it wasn't just your usual senior thesis project," she says.

Laurie is pleased with JMU's effort. "It has been a great thrill to work with Bob McKown, Ron Raab, the highly energetic JMU students and Pat Williams from EVMS," he says. "We are all psyched by the shared efforts of our multi-institutional Virginia team and by the possibility that our joint work will lead to the first truly effective treatment for the world's No. 1 eye disease."

Although JMU could eventually see a financial gain from manufacturing lacritin for medical use, McKown says, "The real excitement is the knowledge that what we're doing may relieve human suffering." ■

**'I thought how fulfilling it would be if I could help develop something that would one day be on a pharmaceutical shelf.'**

STACI JOHNSON ('05)

Read more about the intellectual pursuits and academic life of the JMU faculty at *Madison Scholar*, the online journal of JMU research and applied learning, at [www.jmu.edu/madisonscholar/](http://www.jmu.edu/madisonscholar/)

# Do you know your JMU football history?

Test your purple and gold gridiron knowledge BY GARY MICHAEL ('77)

**When and where was JMU's first football game played?** Oct. 7, 1972, on the Godwin Field. The game was to have been played at Harrisonburg High School's Memorial Stadium but was moved because of wet conditions. Remaining home games in 1972 were played at Memorial Stadium.

**Who is JMU's football career scoring leader?** Placekicker John Coursey (1994-96) with 220 points.

**Which Duke was the first Division I-AA player to reach 1,000 yards or more in all of the career categories of rushing, receiving, kickoff returns and punt returns?** Delvin Joyce (1997-00), who had 1,260 yards rushing, 1,009 yards receiving, 1,902 yards on kickoff returns and 1,488 yards on punt returns.

**Which Duke once returned two fumbles for touchdowns in the same quarter?** Tom McGlooin in 1979 in a 54-0 win over Randolph-Macon.

**Which Duke won the 2001 Buck Buchanan Award as the top defensive player in Division I-AA?** Derrick Lloyd, who had 157 tackles that year.

**Who is the only Duke to win five Super Bowl rings?** Charles Haley (1982-85), who was JMU's first Division I-AA first-team All-American, won two Super Bowl rings with the San Francisco 49ers and three with the Dallas Cowboys.

**Which team has JMU played and beaten most often in football?** William & Mary (27 games, JMU has 13 wins,

W&M has 14). JMU first played W&M Oct. 14, 1978, the day JMU's Board of Visitors approved the beginning of scholarship football at the university.

**Which team did JMU beat for its first Division I-AA playoff victory?** Delaware in 1991. The Dukes won 42-35 in double overtime.

**Which Duke once returned two punts for touchdowns in the same game?** Gary Clark (1980-83) at Virginia in 1983. Clark had returns of 89 and 87 yards before Virginia rallied for a 21-14 win.

**Name the two occasions when JMU beat the defending Division I-AA champion.** JMU won 52-49 at Youngstown State in 1992 and beat Delaware 20-13 in 2004.



Madison's first kickoff, Oct 7, 1972. JMU lost 6-0 to Shepherd's junior varsity team and finished the season 0-4-1. By 1975, Madison was 9-0-1 and won the Virginia College Athletic Association title. In three decades JMU has grown from a non-scholarship team recruited through registration lines to the defending Division I-AA national champions.

\* Read Fred Hilton's story about JMU's first football team at [www.jmu.edu/centennialcelebration](http://www.jmu.edu/centennialcelebration)