

# Frawley studies quarks to understand the origin of the universe

By David Cox  
Media Relations Office

Scientists believe that it took just minutes for the protons and neutrons that make up the universe today to form after the Big Bang occurred. Still, their quest to know what the universe looked like during those first, super-hot instances after being created is about to hit warp speed, and Florida State University is at the center of this international effort.

FSU physicist Anthony Frawley and doctoral student Kushal

Das are working to reproduce the conditions of the universe in the first millionths of a second after the Big Bang with an international team of scientists at the Brookhaven National Laboratory in Upton, N.Y.

A six-month experiment scheduled to begin in December will be key to this effort. The data from this phase of the project will be produced by a huge detector, a major portion of which was built at FSU. Scientists will use this data in an attempt to prove whether the universe was comprised of a hot soup of matter called quark-gluon plasma immediately after the Big Bang.

"The Big Bang is certainly the fundamental theory that drives our understanding of the origins of the universe," Frawley said. "Experiments like the one in December will have a profound effect on how we draw the picture" (Continued on page 14)

Anthony Frawley

October 2003

## Florida State

A newspaper for FSU alumni, friends, faculty & staff

# Times

## FSU launches comprehensive new gateway on the Web

By Jeffery Seay  
Editor In Chief

FSU has launched a new university gateway on the World Wide Web that showcases the best of the university every day and offers users a unique electronic postcard service — and it's all free. From featuring daily updates of official university news to providing links to the Alumni Association, the Athletics Department and Seminole Clubs from across the nation, the site promises to deliver everything about FSU that anyone could ask for.

In fact, "everythingFSU" is



more than news and information. It has links to a variety of FSU-related gifts and Tallahassee-area businesses and services. To allow the site, located at **fsu.com**, to change and grow with demand, it also will feature a survey that will ask users to provide spontaneous feedback on what they like about the site or what they'd like to see there in the future.

"I consider everythingFSU to be the richest collection of news and information—from both on and off campus—related to Florida State University that has ever been assembled," said Frank Murphy, president of University Communications.

Indeed, the site features FSU's breaking news, research news and features on interesting people. It links to the Florida State Times, the radio and television editions of FSU Headlines and the online archives of all three. It features a weekly e-newsletter that will have the headlines and lead paragraphs of the news stories that are featured on every-



FSU student Melissa Conyer explores the new everythingFSU Web site.

thing-FSU. Recipients will only have to click on a headline to be taken to the full story.

"Initially, we'll probably send the e-newsletter to as many as 25,000 of our alumni, but we

similar gateway sites, FSU's site is unique in its offerings.

One feature of everythingFSU is a free e-postcard and e-greeting card service. Those who choose to use the site to send a greeting card or message to a friend or relative will find a broad selection

of photographs of scenes of the FSU campus and university events. The FSU Fight Song or the War Chant can even be added along with a personalized note.

Shopping for FSU-related specialty gifts will be a snap at everythingFSU's virtual giftshop.

expect that number to grow because folks will be able to subscribe to it at the Web site," Murphy said. "The e-newsletter is also just a great way to introduce people to the content they will find on everythingFSU."

While other universities have

Among its offerings will be the FSU license tag, a personalized brick installed on the Westcott Plaza, class rings, watches and rocking chairs inscribed with the university seal. Alumni and sports fans even will be able to buy memberships to the Alumni Association or the Seminole Boosters.

The site offers links to businesses and services, and will be a good source for anyone who is planning a visit to Tallahassee and in need of a recommendation of a hotel or restaurant, for instance.

"The message we want to tell our alumni is that this site links to" (Continued on page 6)

Suite 104  
1600 Red Barber Plaza  
Tallahassee, FL 32310-6068

Florida State Times

Non-Profit  
Organization  
U.S. Postage  
Permit #296  
PAID  
Tallahassee, FL



# FSU pioneers underwater CSI

By Vida Volkert  
Staff Writer

The day Thomas Kelley and Gregg Stanton met at a fish fry two years ago, they sat down over hot oil and cooked up a lot more than fish.

Kelley, a criminologist, educator and diver, and Stanton, a biologist with underwater archaeology experience, came up with an idea that would eventually change the way underwater crime scene investigations are conducted.

The two FSU graduates, Kelley (BS '73, MS '97, Ph.D. '00) and Stanton (MS '79), transformed the conventional underwater investigation process into a new science that is now taught at their alma mater.

"They put together a new concept that expanded far beyond to a whole new mentality," said Michael Zinszer, a diving safety officer with the School of Criminology and Criminal Justice at the FSU Panama City Campus.

Known as Underwater Crime Scene Investigation, this scientific program is the first in the United States at the bachelor's level, Kelley said.

The program, part of the School of Criminology and Criminal Justice, consists of five classes that teach students everything from the basics of diving to thinking critically while investigating crime or accident scenes underwater, he said.

And in July, the UCSI produced its first class of graduates.

UCSI Forensic Scientist Dale Nute said the graduates are a very select group of professionals.

While those in other fields are competing for jobs that are in high demand, the UCSI graduates are in demand because they are one of a kind.

No other university in the United States offers this type of program. And opportunities are numerous in areas such as law enforcement, marine insurance, construction and engineering, to name a few.

"Insurance adjusters are settling claims because they have no idea what happened underwater," Nute said, referring to marine accident sites. "But if they have somebody who can not only adjust the claim, but can also go down there and collect evidence, the company can save a lot of money."

Zinszer said that one of his recently graduated students has already been offered a position with an engineering firm, doing forensic analysis of accident areas.

The offer took place at the new Panama City North Bay bridge, when the graduate showed up with other UCSI students to offer professional assistance to investigate the site where a construction worker had fallen and drowned.

According to Zinszer, the firm was looking for somebody who could think using the scientific method.

"And more so than diving, that's what we teach here," Zinszer said. "We are teaching people to think beyond basic steps. We are teaching the scientific method so they can analyze problems and come up with solutions."

Before the UCSI was created, underwater investigations were



From left, Gregg R Stanton, H. Dale Nute, Thomas B. Kelley and Michael A. Zinszer

usually conducted by commercial divers or law enforcement agents trained to dive.

Stanton said people don't realize the conditions in which divers have to do their investigations. It is not like diving for pleasure in clear waters, surrounded by coral reefs and colorful fish.

Many crime or accident sites, like plane crashes, are in deep water with no sunlight or darkened by silt that the crash has stirred up. There is often poor to zero visibility, and divers have to confront currents, pressure and sometimes even very cold temperatures.

And on top of these challenges, the divers have to somehow figure out where the evidence, including human remains, may be located.

In the past, divers would go into shallow water and, using their hands, feel around and pull out whatever evidence they could. The procedure was very primitive.

Stanton said it would be like going into a crime scene, stepping through the evidence, finding a body, grabbing it

by the ankle and dragging it out of the scene.

"That was the concept that was being used in the industry, and that was what was taught even in public safety diving courses," he said.

But he and Kelley put together a plan that works following scientific approaches.

Top: FSU alumni Brandie McCabe. Below: McCabe and Derek Prouse at an accident site where a construction worker drowned.

They recruited a team of experts in the fields of criminology, forensics, biology, archaeology and diving, and took the underwater investigation concept to a more sophisticated and intelligent level. They treated the investigation like those conducted on land.

The program counts on the support of the U.S. Air Force, and students have access to sophisticated military equipment such as

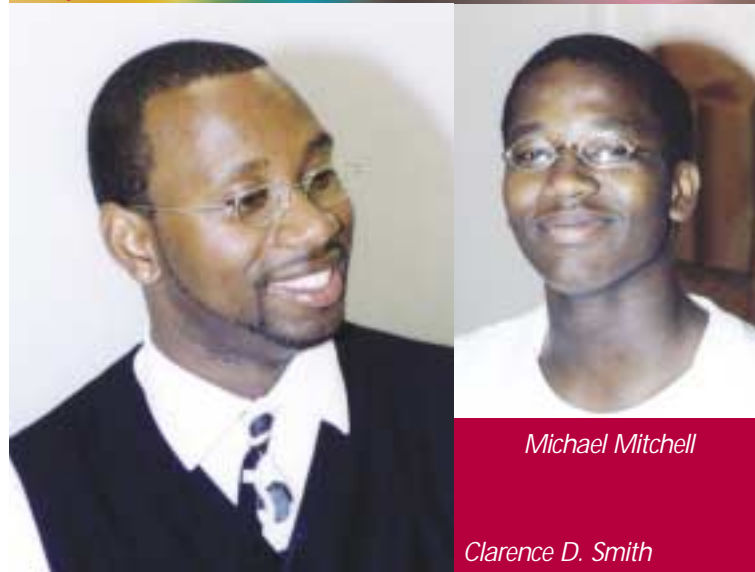
sonar, robots and new tools that are being developed.

Zinszer said he has found that most of his students want to be crime scene investigators because they are looking for careers that will allow them to do exciting work.

"The two things some of them love the most are criminology and diving, and this is a program that puts the two together," he said.



By Karl Brozyna



Michael Mitchell

Clarence D. Smith

Student: Michael Mitchell, 18, of Miami, freshman. Wants to major in computer engineering.

Professor: Clarence D. Smith, graduate teaching assistant, department of English.

Subject: Freshman Composition and Rhetoric.

What makes him great: He is inspiring, creative and interesting.

"Mr. Clarence Smith was very inspirational and creative with his lessons. He reached out to his students and developed a personal relationship with us.

"He always pushed his students to do their best and gave us as much time as we needed to reach our full potential. He will always be remembered by me as my greatest English teacher because he was real with his students.

"He never held anything back from us. There was never a point in his class where he didn't have his student's attention."





# Sapolsky: slasher films get meaner, more often victimize men

By David Cox  
Media Relations Office

A spike in the popularity of slasher films during the late 1990s has prompted an FSU researcher to test popular beliefs that the genre portrays erotic violence and exploits women.

FSU communication Professor Barry Sapolsky found in a study of the 10 most commercially successful slasher films of the late '90s that they have gotten meaner than their counterparts of the 1980s. The movies—such as “Scream,” “Freddy’s Dead: The Final Nightmare,” “Bride of Chucky” and “I Know What You Did Last Summer”—contained an average of 37.4 violent acts per film compared to 26 for films in the ‘80s. But contrary to popular belief, Sapolsky found that men

were the victims of violence at nearly twice the rate of women in films from both decades.

“I don’t want to diminish with this study the seriousness of women being victimized or women being brutalized. I’m just trying to straighten out some assumptions that have been made,” said Sapolsky, who studies the use of offensive language and sex in the media. “But it has been stated as a fact that women are victimized more than men in this film genre. This study suggests that’s not true. Men are victimized more.”

The study also cast doubts on a popular assumption that violence in slasher films is typically associated with sex. Although the amount of sexual content in slasher films remained constant since the ‘80s, Sapolsky found that sex

and violence were only portrayed together an average of less than one time per film in the ‘90s. In fact, two of the 10 films studied—“Scream 2” and “Bride of Chucky”—accounted for nearly all of the scenes where sex and violence were juxtaposed.

Sapolsky also reports that popular action/adventure films contained more than four times the violence as slasher films, the vast majority of which is directed at men.

So does this mean women are not exploited in slasher films? No, Sapolsky said. For instance, the study shows that slasher films spend more time focusing upon women in terror than men. Women were depicted in fear nearly five times longer than men in films of the 80s, but that ratio dropped to about two-and-one-



Barry Sapolsky

half times longer for women in slasher films of the ‘90s.

The camera also often shows terrorized women being slowly

stalked through the eyes of their attacker, a technique seldom used with male victims, he said.

# Looking to nature for ways to help the blind navigate

By Vida Volkert  
Staff Writer

Modeling the sonar abilities found in bats while fulfilling an old friend’s request to help the blind get around without the obvious walking cane or seeing-eye dog, FSU alumna Jennifer Tecson has designed a new portable and easy-to-disguise radar system for the visually impaired.

Tecson, an electrical engineer who is a first lieutenant in the U.S.

Air Force, designed the system for her master’s thesis in electrical engineering at the FSU Panama City Campus.

The co-director of Tecson’s thesis, Geoffrey Brooks, an assistant in electrical and computer engineering, said what makes the radar system



Jennifer Tecson

unique is that it is a small device that could help blind people detect objects around them without making it so obvious that they are blind.

radar unit, signal processing cards, and a tactile display so users may feel around their environment.”

“Bats are animals that are blind, but found a way to navi-

gate their environment using sound waves,” Tecson said.

A bat sends out sound waves using its mouth or nose. When the sound hits an object, it bounces off the surface and comes back as an echo. Listening and interpreting the returning echo can provide information about location of the object, according to Tecson. A bat can identify an object by the sound of the echo, down to the size, shape and texture of a small insect.

Tecson said she used the same signal characteristics to design her radar, which also uses signals that go out and come back but at a much higher frequency.

Nowadays, there are different electronic systems based upon

sound, but these systems are still quite bulky and require several attachments to the body, she said, referring to the systems that require headphones and cameras mounted to the body.

Not only is Tecson’s radar unit effective in aiding the mobility of blind people, it also helps them feel less self-conscious, said Tecson, who befriended a blind student while working on her bachelor’s degree at Clemson University.

Even though Tecson hasn’t had any recent contact with her friend from Clemson, she hopes that her radar, which Brooks describes as being at ground level in terms of development, will lead to new technology.

**FloridaStateTimes**  
Vol. 9 No. 3  
www.fsu.com/  
Florida State Times is published 7 times annually by the Florida State University Communications Group, Alumni Association and the FSU Foundation to keep alumni, friends, faculty and staff informed about FSU’s growth, change, needs and accomplishments. Views expressed in the Florida State Times are not necessarily the views of university officials or the newspaper staff. Inclusion of underwriting does not constitute an endorsement of the products or services.

Editor in Chief  
Jeffery Seay  
Design and Production  
Ed Augustyniak  
Managing Editor  
Bayard Stern  
Staff Writer  
Vida Volkert  
Editorial Assistant  
Karl Brozyna  
Director of  
Media Relations and Publications  
Browning Brooks  
President of  
University Communications  
Franklin D. Murphy

To suggest news stories, write to the Florida State Times, 1600 Red Barber Plaza, Suite 104, Tallahassee, Fla. 32310-6068 or e-mail the editor: fstimes@mail.fsu.edu. To submit address changes, news for NewsNotes or In Memoriam, call Alumni Affairs at 850-644-2761. Underwriting is handled by the Florida State University Communications Group. For rates, call Frank Flynn at (850) 487-3170 ext. 317. Florida State Times is available in alternative format upon request. It was published at a cost of \$27,000 or 60 cents per copy. It is printed on recycled paper.

# Seay named chief of Florida State Times

Jeffery Seay first walked through the doors of the FSU Media Relations Office as an intern in the summer of 1990. As an English major taking honors seminars with professors Rip Lhamon and Eric Walker, Seay never imagined himself making a career out of promoting FSU.

“After I graduated (B.A. ‘91), I began looking for a job with a public relations or advertising firm, but nothing presented itself,” Seay said. “Annette Lee, who was the Media Relations director back then, asked me to come back to work for her.”

In 1997, Media Relations Director Browning Brooks named Seay the editor of “State,” the university’s internal, faculty/staff newsletter that is circulated to

more than 5,600 employees. Earlier this year, under the direction of Brooks, Seay and fellow



Jeffery Seay

Media Relations writers Jill Elish and David Cox won a Bronze Medal for general news writing in the annual, national competition of the Council for Advancement and Support of Education.

Now, the 11-year veteran of

Media Relations has been tapped to add editor in chief of the “Florida State Times” to his roster of duties.

“Jeff has been an outstanding editor of ‘State’ and an excellent writer in Media Relations,” said Frank Murphy, president of University Communications. “I’m confident that he will do a superb job as editor of the ‘Times,’ building on the high quality that editor Margaret Leonard achieved.”

“As an alumnus who works on campus, I take pride in FSU’s tremendous growth in the years since I graduated,” said Seay, a native of Blountstown, Fla. “New buildings are only part of the story. The student body is growing even as standards are raised. And perhaps most notably,

the amount of funding that our faculty procure from outside sources has topped \$150 million annually—substantial proof of the solid research done on this campus.

“Through my years working for Media Relations, it’s been wonderful to hear about the success stories of so many of our alumni, folks who have reached the pinnacle of their professions and who are making an impact on the national or the world stage. And they were all molded on this campus at some point. It’s our common bond.”

Seay said he hopes to continue the “Times” tradition of reporting the good news of FSU and the people—alumni, faculty, staff and friends—who strive to make the institution a model for teaching, research and service.



**Give a hoot! Don't pollute**

For many football fans, tailgating outside Doak Campbell Stadium and eating and drinking inside is a must. The downside to this delicious tradition is a mountain of trash. However, a new program at FSU will help ravenous fans dispose of and recycle what's left over.

The Take Pride campaign, a student-led initiative backed by the Seminole Boosters, will encourage

# COMPREHENSIVE

## SHORT TAKES ON BIG SUBJECTS

Sullivan, president of the FSU Student Government Association. "Their personal involvement in this effort gives students one more reason to literally 'take pride' in our campus."

"Nonparametric Methods in Reliability and Survival Analysis." He was introduced at the lecture by his longtime friend and colleague, Robert O. Lawton Distinguished Professor Jayaram Sethuraman.

Hollander has written numerous research papers on nonparametric statistics, has co-authored four books and served as editor of the Theory and Methods Section of the Journal of the American Statistical Association from 1993 to 1996. In recent years, he has given a number of invited and plenary talks at international research conferences on reliability and survival analysis.

Two Noether Awards are given each year, a Senior Scholar Award and a Young Scholar Award. The awards were established as a tribute to the late Professor Gottfried E. Noether who died in 1991, by his wife, Emiliana Noether, and daughter, Monica Noether. The two presented the ASA with an endowment fund to recognize distinguished researchers and teachers in the field of nonparametric statistics. Noether was a leading scholar in nonparametric statistics with interests in research and teaching.

Previous Senior Noether awardees, all pillars of the statistics profession, are Erich L. Lehmann of the University of California at Berkeley; Robert V. Hogg of the University of Iowa; and Pranab K. Sen of the University of North Carolina-Chapel Hill.

### Blomberg named acting dean of FSU criminology school

Thomas Blomberg, associate dean and Sheldon L. Messinger Professor of Criminology, has been named acting dean of the School of Criminology and Criminal Justice.

Blomberg succeeds Daniel Maier-Katkin, who has stepped down after nine years at the helm of the school to teach and conduct research.

Provost and Executive Vice President Lawrence G. Abele said Blomberg was the obvious choice to lead the school during this transition.

"Dr. Blomberg's experience includes over 30 years of university teaching, research and practical experience in criminal and juvenile justice," Abele said. "With his teaching skills, talent and experience, he has proven to be a real academic leader."

As acting dean, Blomberg said he will work to ensure an effective

transition.

"I look forward to working with our faculty, staff and students as we strive to move the School of Criminology and Criminal Justice vigorously forward," he said. "I am confident that we will be successful."

Blomberg is internationally recognized for his corrections research and is frequently called upon as a consultant and expert witness. He has written more than 160 books, monographs, articles, chapters and papers and has extensive experience in directing large-scale research grants.

He serves as principal investigator of the Juvenile Justice Educational Enhancement Program, which involves a statewide assessment of education programs in Florida juvenile justice facilities. Blomberg also serves as editor of the New Lines in Criminology book series.

He began his career at FSU in 1973 and has earned four university teaching awards, a School of Criminology and Criminal Justice Teaching Award and an FSU Gold Key Honor Society Outstanding Faculty Member Award during his tenure. He earned his bachelor's, master's and doctoral degrees from the University of California at Berkeley.

### Lightning does strike twice

While everyone knows how much havoc a hurricane or tornado can wreak, in the South it's lightning that causes the most property damage.

FSU geography professor J. Anthony Stallins studied weather-related claims in Georgia from 1996 to 2000 and found that lightning comprised 53 percent of a total 37,093 weather-related claims for property damage amounting to \$22.9 million in losses. The study was published in the journal "Southeastern Geographer."

"Much of the research on weather-related losses tallies big events—tornadoes, hurricanes, floods and snowstorms," Stallins said. "Lightning, because it is less dramatic and the losses less episodic, is often overlooked."

Lightning exceeded all weather categories in the number of claims in all but one year, 1998. Small fires and fried appliances, such as computers, microwave ovens and TVs, made up most of the losses.

Wind damage spurred fewer



J. Anthony Stallins

claims but caused more monetary damage at \$36.7 million. Average loss per insurance claim was \$2,200 for wind, \$1,100 for lightning. In addition to property damage, lightning is also responsible for declines in productivity due to power outages and downed computers, Stallins said.

With a grant from the National Science Foundation, Stallins will next focus on lightning patterns and population in the Atlanta area. Previous research has found that lightning tends to strike in suburbs downwind of urban centers due to urban heating and air pollution, which modify thunderstorms.

More study about both lightning patterns and damages may help insurance companies adjust rates or fire departments allocate their resources, Stallins said. His research has even changed his own behavior.

"When I leave home every morning, I unplug everything," he said.



University Center and Doak Campbell Stadium

and persuade fans to practice responsible behavior to help reduce litter and increase recycling efforts.

During the FSU football season, 198 tons of trash and 18 tons of recycling are generated in and around Doak Campbell Stadium, according to the university's solid waste management department.

The first component of the three-pronged Take Pride Campaign, Pitch In, debuted at the home opener against Maryland. Eight student organizations were selected to participate as green teams to work the six home games. The 20-member student teams will distribute trash and recycling bags to tailgaters prior to each home game kickoff.

For the second part of the campaign, Tell Me About It, the "FSView" student newspaper will insert Tell Me About It magnets in its newspapers around the middle of the semester, which will inform students of the available resources and organizations that provide cleanup, recycling and environmental services in Tallahassee.

During the third component, Love Where You Live, the FSU Alumni Association will encourage student groups to adopt specific areas of campus, then develop and implement an environmental improvement plan. This phase will start in the spring semester. The plans and project results will be judged, and the winning student groups will be awarded cash prizes.

"What's special about this program is that the ideas and their implementation are all completely student driven," said Patrick

The FSU Take Pride partnership includes the City of Tallahassee, Seminole Boosters, FSU Alumni Association and the "FSView." Program funding is provided by Anheuser-Busch Environmental Outreach and Tri-Eagle Sales.

### Hollander wins Noether prize

Myles Hollander, Robert O. Lawton Distinguished Professor and chairman of the department of statistics, received the Gottfried E. Noether Senior Scholar Award at the 163rd annual meeting of the American Statistical Association in San Francisco, Calif., on Aug. 5. The prestigious award is the highest honor that the ASA bestows in



Myles Hollander

the field of nonparametric statistics.

Hollander was cited for a lifetime of outstanding achievements and contributions in the field of nonparametric statistics in both research and teaching.

On Aug. 6, Hollander delivered his invited Noether Lecture,

## Alumnus or alumni: Why?

When discussing people who are college graduates, it might be helpful to remember that an **alumna** is one female graduate or former student, and an **alumnus** is one male graduate or former student.

Two or more female graduates are **alumnae**. Two or more male graduates are **alumni**, which is generally used to refer to male and female graduates of a coeducational institution.

Further, there is no abbreviation for alumni. Alum, with the accent on the first syllable, is any of various double sulfates of a trivalent metal (i.e. aluminum, chromium or iron) and a univalent metal (i.e. potassium or sodium), widely used industrially as clarifiers, hardeners and purifiers, and medicinally as topical astringents and styptics.



# Loney investigates traits that signal early criminal behavior

By Vida Volkert  
Staff Writer

Bryan Loney is concerned about children who are not afraid of breaking the rules or hurting others. These children usually seem unaffected by bloody images that, shown to an average kid, would stir a quick emotional reaction, according to the assistant professor of psychology at FSU.

Children presenting that kind of behavior also may present early signs of "adult psychopathy," according to Loney's recent research.

His research represents "a piece of evidence that supports low fear as being the role in psychopathy now," Loney said. "The primary theory of adult psychopathic behavior is that it is rooted in low-fearfulness."

That is, the theory says, individuals may be born with vulnerability to have a low threshold of fear, which makes it easier for them to challenge authority, hurt others and potentially turn into criminals.

For the study, Loney recruited 60 boys from different schools in the southern United States. They were between the ages of 12 and 18, and all had had previous contact with the juvenile court.



Bryan Loney

He used words rather than images to measure the boys' emotional reactions.

With a computer, the boys were shown words that people relate to the positive, such as cake, glad, joy; and words that relate to the negative, such as mad, gun, pain and blood. Other, meaningless words were shown.

As the words were flashed on the screen, the boys had to recognize the

words by pressing the "yes" key if the word was real, or the "no" key if the word was not real. Meanwhile, the computer recorded their reaction time.

"The basic idea is that in general researchers think that we recognize things that are emotional a little bit faster," Loney said. "That plays an adaptive role in our functioning. We are vigilant to emotional stimuli."

Loney said researchers in the past have suggested that people

respond a little bit faster to positive and negative words because the emotions speed up. The result showed that the boys who had been "exhibiting callous and unemotional traits and severe conduct problems were the slowest to respond" to negative words. Although the results support Loney's theory, he said he would not be "labeling" these kids as possible psychopaths since "we are not sure what we are spotting yet."

"Something is going on with the processing of emotional pictures and words," Loney said. "We are not at the point of giving specific clinical feedback about what this means."

Most of the people who are working on investigating early warning signs of antisocial behavior that can develop in psychopathic behavior are not at the point of treatment, he said.

Loney's concern is focused on prevention. He would like to educate society to spot these problems at an early stage.

Psychopathic traits and tendencies in children are not new. By Loney's definition, a psychopath is someone with a pattern of persistent and severe antisocial behavior accompanied with callous and unemotional interpersonal style.

Loney said some of the earliest formal writings on psychopathy date back to the 1940s, although society has been giving more attention to these traits in the past decades.

Since school shootings started in the United States in the mid 1980s, the media has played a big role in raising awareness about such behavioral problems. On April 20, 1999, the media was very effective in reporting the shootings at Columbine High School, in Littleton, Colo., the deadliest of all the shootings.

The teenage killers used semi-automatic pistols to kill a teacher and 12 students. At the end of the ordeal, they also killed themselves.

When Loney learned about the tragedy, he was in graduate school at the University of Alabama. As a researcher, he said he immediately became worried that society would try to find a simple solution to a complicated problem.

In trying to prevent a tragedy such as Columbine from repeating itself, society has a tendency to look for a quick fix that only creates a false sense of control. He said it is a mistake to seek similarities and patterns in all such cases that might lead to clues in preventing a future incident.



Loney meets with students

Bill Langford/FSU Photo Lab

# Magnetism and biology combine to help patients get better

By Tiffany Koenigkramer  
Intern, Media Relations Office

Great things come in small packages, even when it comes to fighting cancer or brewing beer quicker.

And we're really talking small here.

A new research center that will use magnetic technology to develop scientific breakthroughs in a vast array of applications has opened, thanks to a grant from the Florida State University Research Foundation.

The new Center for Nanomagnetism and Biotechnology is a collaboration among 10 researchers at the Florida A&M University-Florida State University College of Engineering, the FSU College of Medicine and FSU's biology, physics and chemistry departments. The team aims to build devices using "nano" magnetic materials—which are 1,000 times smaller than the width of a human hair—to manipulate how cells or proteins work. The center will be housed at the engineering school.

The center received an

\$850,000 "Cornerstone" grant from FSU to get started and hopes to secure money from private industrial partners for future projects.

Ching-Jen Chen, the center's director and dean of the College of Engineering, said the researchers are currently working on developing a health chip that eventually could be used daily to check a person's vital signs at home.

"Wouldn't it be great to wake up every morning and be able to check your vital signs while watching the news and weather with a disposable chip the size of a dime?" said Chen. "The sad situation today is that we only do it once a year with a physical check up."

Another microchip, currently in the early stages of design, could be used to determine whether

someone has suffered a heart attack within a matter of minutes. The current diagnostic process takes considerably longer.

"These new devices and designs are potentially simpler, smaller, less expensive and faster than conventional technologies," Chen said.

Preliminary research has shown that magnetic fields can also deter the growth of cancer

cells. The center is working on a magnetic device that could be used with radiation and chemical therapy to help cancer patients. Other medical applications the research team will explore include magnetic cell separation devices and a chip to detect viruses.

In yet another application, research from the center shows that magnetic fields can stimulate the growth of yeast. This could be used to accelerate the fermentation process, which could be helpful to food and beverage industries.

The center has attracted the attention of major companies in the scientific community such as Sandia National Laboratories, Therakos, a division of Johnson & Johnson and Walker Cancer Research Institute.

These organizations have joined in previous research contracts with the engineering college and may participate in future projects with the center, Chen said. Through such partnerships, undergraduate and graduate students are getting training from Sandia National Laboratories in micromachining and other disciplines that they otherwise would not receive.



Ching-Jen Chen

Ray Stanyard



# FSU researchers study effects of volunteering on the elderly

By Jill Elish  
Assistant Director, Media Relations

It may not be the fountain of youth, but older adults who volunteer just two to three hours a week are living happier and healthier lives, according to a new study co-authored by an FSU researcher.

Jim Hinterlong, an assistant professor of Social Work and an affiliate at the FSU Pepper Institute on Aging and Public Policy, and a team of researchers found that the well-being of elders improved with the amount of time they volunteered up to 100 hours a year, or two to three hours a week.

"Our findings support the perspective that volunteering is important in the larger context of successful aging," he said. "Engagement is the key, not necessarily the hours of engagement."

The study, which Hinterlong co-authored along with Nancy Morrow-Howell and Fengyan Tang of Washington University in St. Louis and Philip Rozario of Adelphi University in Garden City, N.Y., was published in the *Journal of Gerontology: Social Sciences*. The researchers used data from the Americans' Changing Lives Study, which involved interviewing a representative sample of adults in the United States three times over an eight-year period.

The findings show that voluntarism is common among older adults. In the study, 34.5 percent of adults over 60 volunteered for an average of 71.5 hours per year, or less than two hours a week. Those who volunteered were most likely to affiliate with programs sponsored by religious institutions, and, on average, they contributed unpaid time to 1.7 organizations.

Compared to those who did not volunteer, the study found the volunteers had better assessments on three measures of well-being: functional status, self-rated health and depression. The positive impact

reached a maximum at 100 hours per year. Higher levels of involvement were not associated with significantly higher gains.

The findings underscore the point that elders do not have to volunteer a lot of hours to reap the benefits of better mental and physical health, Hinterlong said. It also didn't matter how many organizations or the type of organizations for which the elders volunteered; the act of volunteering was the important thing.



Jim Hinterlong

Researchers have debated the reasons behind the connection between volunteering and improved health. Some have suggested that the connection can be traced to the social interaction that comes with volunteer work. However, Hinterlong and his colleagues suggest that this is not the only explanation.

"Volunteering has an effect beyond increasing the number of friends," the researchers concluded. "From the role-enhancement perspective, the volunteer role may augment power, prestige and resources, and it might heighten the sense of identity."

More research is needed to determine exactly what it is about volunteering that improves well-being. In the meantime, social programs and policies should be developed to provide older adults with increased opportunities, incentives and supports for engaging in meaningful volunteer work, Hinterlong said.

"As a society, we tell people to plan for later life financially, but we don't encourage people to plan what they are going to do with their time, energy and experience," he said. "We need to be thinking about how we're going to invest ourselves as we grow older, and one option that has a lot of benefits is volunteer work."

The study was supported in part by a grant from the Longer Life Foundation and the Ford Foundation through the Center for Social Development at Washington University.

## FSU introduces new Web site

(Continued from page 1)

everything that we know of, both on campus and off campus, that would be of interest to them, including Booster and Alumni Association activities as well as all of the athletic events and varied featured programs," Murphy said.

EverythingFSU has its roots in a Web portal that FSU outsourced to a company called zUniversity.com a few years ago. That company set up portals for a number of universities, but did not survive an economic downturn.

"It occurred to us that we played a major role in supplying news and information out of our own University Communications Group that was essential for the success of what was then called zSeminole.com," Murphy said. "By using

our best professionals right here on staff—writers and editors, and our Web designers—we were able to create this site ourselves to provide a much better offering of news and information, particularly for those who come to the university's Web pages from off campus.

EverythingFSU will not compete with or replace fsu.edu, for which the primary audience is on campus.

"For the majority of our alumni to come into the academic fsu.edu site and find their way to other sites that might attract their interest is not often an easy task, no matter how good the search engine," Murphy said.

"EverythingFSU is simply a better way to showcase the items that will have the broadest appeal to our online audience."

# Original Seminoles

By Dana Peck

The ties that bind Seminoles with their neighbors in Alabama are a couple of centuries long and blood-kin strong.

Countless numbers of Alabama natives have headed south to become Seminoles and settle their families in the rolling hills and marshlands of Florida.

Over time, a handful of those Seminoles achieved great feats, so much so that they became legends in their fields — on battlefields and the football field. But occasionally, the achievements required a battle or two, often deadly, with the kinfolks back home in Alabama.

One of the most widely known Seminole legends who hails from Alabama is Florida State's incomparable football coach, Bobby Bowden. The Birmingham native, who moved to Tallahassee 27 years ago, has led his teams to an outstanding string of winning seasons and a couple of national championships.

The victories, however, did pit Bowden in national championship competitions with a close Alabama relative: his son Terry, the former football coach at Auburn.

Another Seminole legend is Osceola, the famed warrior, whose Creek mother, historians say, took her young son away from Alabama and Osceola's Scottish trader father, to live with her Creek-turned-Seminole relatives in Florida.

Osceola grew up to become one of the fiercest fighters against the incursion of white settlers and U.S. military trying to herd Seminoles off their Florida lands.

In an ironic twist of allegiances, Osceola also faced battles with his Alabama relatives in his struggle to protect his Florida home.

It happened this way: While U.S. troops were fighting Seminoles in 1836, they also were battling Creeks and Cherokees. To get much needed help, the U.S. government turned to the Creeks, according to historian Howard Zinn, with a promise that Creek women and children would be protected and two million acres of Creek land would be preserved for the warriors, if the Creeks would fight the Seminoles.

About 800 Creeks accepted the promise and fought alongside U.S. troops in Florida. But when they returned to Alabama, they found the promise broken. Their homes had been robbed, their wives raped and their relatives killed. And their land? It was confiscated by the government.

As for the Seminoles? They kept on fighting until the U.S. government decided to pull out because the cost of victory was not worth the effort.



If you are affiliated with FSU in any of the following ways, then you can belong to Florida State University Credit Union - the only credit union with Florida State University in its name.

- ▲ FSU Students
- ▲ FSU Alumni
- ▲ FSU Faculty/Staff
- ▲ FSU Boosters
- ▲ Family of Current FSUCU Members
- ▲ Individuals who do business with or for FSU
- ▲ Residents and Staff of Edenbrook

## Join Today!

- Checking •Savings •CDs •IRAs
- Auto Loans •Credit Cards •Home Loans
- Investment Planning •and LOTS MORE....

**Florida State University**  
Credit Union



877.GO.FSU.CU  
WWW.FSUCU.ORG

Your account insured by \$100,000  
**NCUA**  
National Credit Union Administration  
a U.S. Government Agency



# Want Something to Read?

NEW BOOKS BY FSU GRADUATES AND FACULTY

**The Plot**  
by Kathleen Lamarche (B.A. '02)  
Echelon Press

Set three months before the presidential election, reporter Cassandra Hart receives an urgent phone call from her father, a renowned journalist, who is on the verge of exposing a plot that will influence the election and change the course of history.

**Florida's Seminole Wars 1817-1858**  
by Joe Knetsch (Ph.D. '90)  
Arcadia Publishing

Historian Joe Knetsch did extensive research on Florida's Seminole Wars and wrote this book. It includes a comprehensive narrative to provide readers with an

evocative tale of this dark and tumultuous period in Florida's past. Knetsch also culled the national and Florida archives to find images, such as portraits, maps, sketches, paintings and battle plans, which help bring the story to life.

**The Floating City**  
by Pamela Ball (M.A. '88, Ph.D. '95)  
Penguin Books

This second novel by Tallahassee novelist Pam Ball takes the reader back in time to a very different Hawaii than today.

"A writer of considerable talent ... Pamela Ball creates a vivid and convincing version of Honolulu in 1895," wrote "The

Washington Post."

The main character is a fortune teller who gets involved, albeit unwittingly, in a murder, political upheaval and love.

**Taking Sustainable Cities Seriously**  
by Kent E. Portney (Ph.D. '79)  
The MIT Press

This book documents city-based programs to improve and protect the environment while pursuing innovative approaches to economic development. The analysis includes a look at Jacksonville, Tampa and Orlando, cities that have made significant efforts in this area.

Portney is a professor of political science at Tufts University in Medford, Mass.

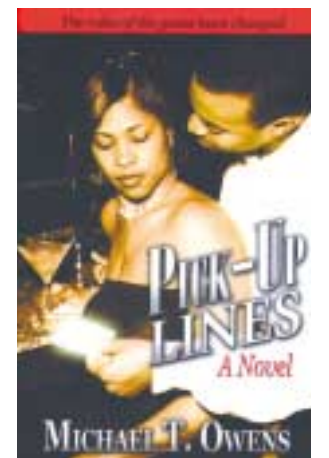
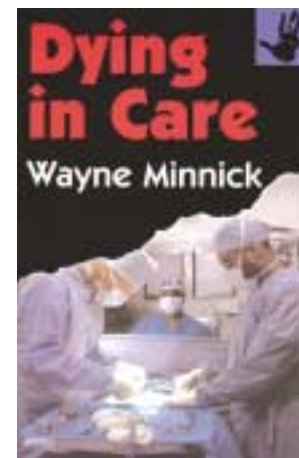
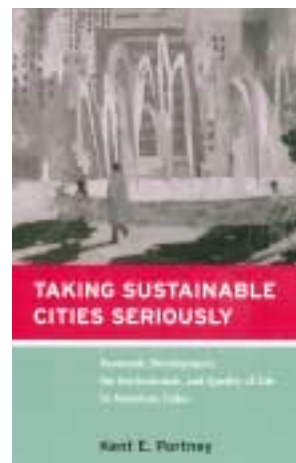
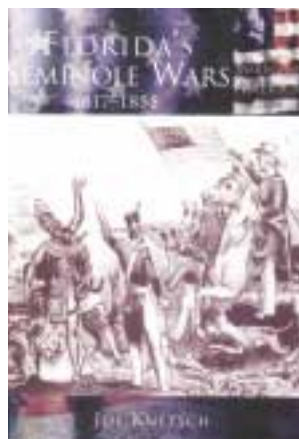
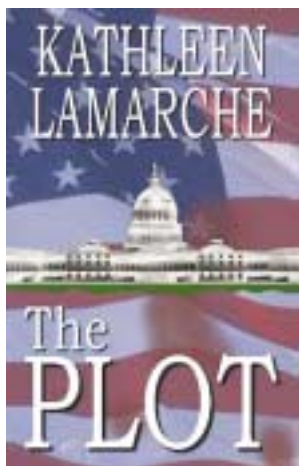
**Dying in Care**  
by Wayne Minnick (College of Communication professor, retired)  
Creative Arts Book Company

In Minnick's third mystery novel, a police detective team discovers an insidious hospital practice in which terminal patients are euthanized for money. They know who is behind the heartless scheme, but can't get the evidence they need to prove it. But they must try before another murder occurs.

**Pick-Up Lines**  
by Michael T. Owens (B.S. '99)  
La Caille Nous Publishing Company

This novel is a comedic, yet cautionary tale of how a guy's search for a dream girl leads to more than he bargained for.

Told from the male and female perspectives, the book introduces us to two twenty-somethings in search of happiness. Each tries to resolve the issues in their lives and struggles to stay together at the same time.



**DON VELLER SEMINOLE GOLF COURSE & CLUB**

You can now purchase all of your Official FSU Logo golf apparel and equipment on-line.

[www.seminolegolfcourse.com](http://www.seminolegolfcourse.com)  
(850) 644-5320

## TOP 10 REASONS TO JOIN THE SEMINOLE BOOSTERS

- 10. Pride**  
Your Seminoles are a point of pride for you, especially around your Gator, Hurricane and AOC friends. Donors take special pride in knowing they're doing their part to help their team.
- 9. Scholarships**  
Scholarships for FSU's 250-plus student-athletes cost \$6 million, or about 60% of donations.
- 8. Color and Pageantry**  
Donations help fund FSU traditions such as Chief Osceola & Renegade, Marching Chiefs, Bobby Bowden/Wrinda Tour...
- 7. Medical Services**  
Donations are also used to provide our student athletes with high-quality medical and rehabilitative services and equipment.
- 6. Academic Support Services**  
FSU ranks 2nd on the AOC honor roll and among the national leaders in graduation rates.
- 5. Ticket and Parking Priority**  
Donors receive priority for home and away games and parking priority based on donor level.
- 4. Enhances University Mission**  
Contributions help the athletic program succeed, which has attracted better students and faculty as well as donations to academic programs.
- 3. Fellowship and Connectivity**  
Receive a year's subscription to Report to Boosters and FSUtimes to keep you informed of athletic and academic issues.
- 2. Facilities and Equipment**  
Contributions provide our student-athletes with facilities and equipment they need to succeed in the classroom, in competition, and in life.

and the No. 1 Reason

# VICTORY!

**SEMINOLE Boosters**

[www.seminole-boosters.com](http://www.seminole-boosters.com) 1.850.644.3484





*Trevor Bell, Changing Light, 1981, acrylic on canvas, 24 x 168 inches*

# Trevor Bell captures the light and

By Allys Palladino-Craig  
Director, FSU Museum of Fine Arts

When Trevor Bell packed up his last studio in the United States to return to the stormy southwest tip of England, he didn't know what professional welcome he might find. His presence in Cornwall, however, was quickly discovered by writers for the international press.

"Trevor Bell's arrival back in Britain was announced by an exhibition of extraordinary ambition and beauty," said Chris Stephens, senior curator of London's Tate Modern, in his article in "Modern Painters," winter 2000, issue 46.

Now, Bell's works are being shown again on the continent, in London, and at other venues in the UK, where, in 2004, he will have a solo show at the Tate St. Ives. It is therefore due to a stroke of good fortune and great timing that the FSU Museum of Fine Arts in Tallahassee celebrates its superb Bell acquisitions with a high-energy

exhibition from his Florida years.

A world traveler, Bell creates shaped canvases that have diverse influences. He has drawn ideas from Cornish zawns—deep coastal inlets—and steep Himalayan river valleys, just as he has memorized the shimmering "heatscapes" of the South and the luminous light pillars of the space shots at Cape Canaveral.

An expatriate from 1972 to 1996, Bell's first project back home in the UK was to build a new studio. He lives in Penzance near the old tin mines where the coast is a serrated fringe of sheer rock face carved during the last ice age. On windy days, the Atlantic Ocean roars, shifting enormous boulders as easily as if they were pebbles. Part of the tapestry of color, sound and light which finds its way into Bell's paintings, these sensations and visual stimuli jumpstart the concept of each series of his works.

"I think about things that excite me: convoluted strata, the eroded and broken

edges of cliffs, the constant interaction of the elements, the movement of boats on water ..." Bell said.

While "Temple Gate" (1985) in the collection of the Museum of Fine Arts had its genesis in the shrines of India, "Rising Heat" and "Light Pillar" (both 1982) reflect the experience of a Cape Canaveral night launch.

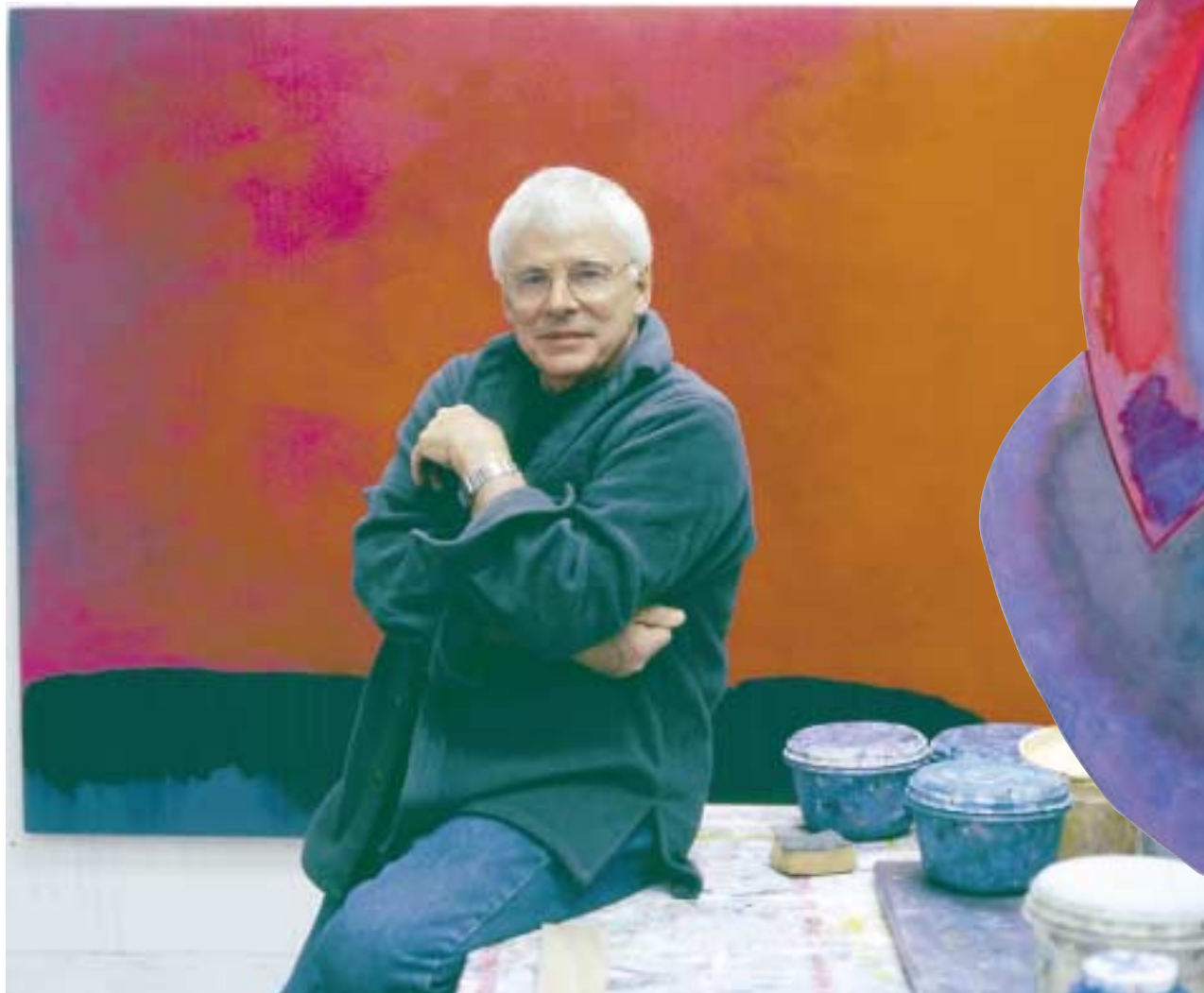
"The night sky became blue, an extraordinary blue. It [Apollo 17] didn't seem to move very much, and it was all silent because we were too far away ... It stood there like a pillar of fire ... suddenly the sound waves hit us ... too much for your sensibility to cope with, too powerful, like the earth breaking up," said Bell of the launch.

In his tenure as head of graduate painting in the art department of the FSU School of Visual Arts and Dance, Bell was widely

respected. He was a superlative artist, always generous. He shared his knowledge with eager students of the university. In his studios in America and Britain, he has made unforgettable paintings that critic François Bucher characterized as timeless—works that joyfully proclaim "the epic and universal quality of art as a meditative force."

Trevor Bell: A British Painter in America is currently on display at the Florida State University Museum of Fine Arts, Oct. 10-Nov. 23, 2003 (opening Oct. 10, 7-9 p.m.). On Oct. 9 at 7 p.m. in room 249 of the Fine Arts Building, the artist will lecture to the public. The exhibition and subsequent tour to the Gulf Coast Museum of Art (Feb.-April 2004) are sponsored in part by a grant from the Florida Arts Council.

The Museum of Fine Arts, corner of Copeland and West Call Streets ([www.MoFA.fsu.edu](http://www.MoFA.fsu.edu)), is accredited by the American Association of Museums. Call 850.644.6836 or, for tours, 850.644.1299. Weekdays, 9 a.m.-4 p.m.; Sat. and Sun. 1-4 p.m.



*Rocker with Two Heavy Weights, 1986, acrylic on canvas, 108 x 132 inches*

*Trevor Bell in his studio in Cornwall, UK, May 2002*





Counterpoint, 1982, left, acrylic on canvas, 120 x 57 inches; Force Five, 1987, above, acrylic on canvas, 108 x 162 inches; Temple Gate, 1985, below, acrylic on canvas, 108 x 162 inches

All photos by Jon Nalon

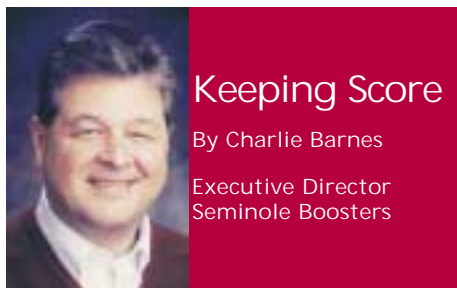




## Commitment fueled drive to bring Miami and Virginia Tech to the ACC

So what are we to make of the new skyline of the Atlantic Coast Conference, and of the embarrassing public chaos out of which it was forged?

When Miami and Virginia Tech officially enter the league next year, the ACC,



### Keeping Score

By Charlie Barnes

Executive Director  
Seminole Boosters

surely as parochial an outfit as ever was, will instantly become a pre-eminent national power in football, baseball and, of course, basketball. This seems on the face of it to be such a good idea, such an obviously brilliant scheme, it's bewildering to think how anyone could have objected to the plan in the first place.

Oh, but object they did.

Let's consider what was behind the move to bring Miami into the ACC this spring and summer of 2003. Know this, and it needs to be acknowledged by our fans: Dave Hart is the man who delivered Miami into the fold. There is no other player who occupies the same level in this story.

It took Hart years—years—just to get anyone in the conference to talk about

expansion.

When Hart arrived at Florida State in 1994, he began to sort through the ACC mindset and apply that to what he knew about the changing face of college athletics. Hart could see plainly that college football was becoming the primary revenue generator at all levels. Even the lucrative NCAA Basketball Tournament could return only a fraction of the dollars generated by college football's TV contracts and BCS Bowl system.

Hart also saw that while the ACC schools were pouring money into facilities and stepping up their commitment to football, the fans' passions remained committed to basketball.

Our last two seasons aside, in 11 years the Seminoles have yet to find a football rival in the conference that our fans find worthy of excitement.

Seeing all of this, seeing that even after a decade of competition Florida State remained the only major ACC player consistently on the national stage, what Hart feared the most was that FSU would stumble and the conference wouldn't be there to pick up the slack. What Hart feared was that television networks would see an ACC greatly diminished by the perceived decline of Florida State, and we would be unable to sustain a national presence.

What I fear, said Dave Hart, is not the day when we will have a downturn—those days come and go. What I fear is the day when we find ourselves part of a con-

ference with little commitment to football, competing for the fans, dollars and recruits against schools nourished by the football culture of their own conferences.

"At that point," said Hart, "it will be too late to act."

And so Dave Hart launched a crusade, and crusade is the correct word, to ensure the recruitment and admission of Miami into the ACC. Along the way, Duke and North Carolina consolidated their campaign to ensure that just such a thing would never happen.

Fans watched this summer as both Duke and North Carolina stood in unwavering opposition to any move toward expansion. All talk of money, of threats, of compromise, of everything, left them unmoved.

There were so many reasons to expand that it seemed no reasonable person could doubt the wisdom of adding new teams.

Opposition seemed so shortsighted. But Duke and Carolina knew that they would always be able to compete at the highest national levels of collegiate basketball, with or without the rest of the conference. They felt that any enlargement of the role of football would necessarily conflict with and perhaps diminish the beloved basketball culture. There's no disputing that the culture of football and the culture of basketball are different. Duke and North Carolina fought to preserve what they saw as the rightful heritage of the ACC and their place within it. We Seminoles fought

to preserve a future for ourselves as members of a league taken seriously as a football conference.

Observers of the game conclude that Duke and Carolina had three goals. Their first goal was to stop expansion. Their second goal was to subordinate football to basketball forever. Preventing Miami from entering the league in such a public and appalling spectacle would more than ensure that the issue of expansion would never rise again.

The third and final goal, some believe, was to drive Florida State out of the ACC. I believe that would have happened had the vote gone wrong.

So where are we today?

There is much bad feeling. Commissioner John Swofford was director of athletics at Carolina for years. The damage to that relationship may be beyond repair.

In the arena of basketball, Duke and Carolina will no doubt continue to be spectacular players on the national stage. In fact, we all wish for that to be, for it will sustain the glory of the ACC.

But both Duke and Carolina are fully aware of what has been lost to them, and lost for all time.

At the official welcoming ceremony for Virginia Tech and Miami, Duke was not represented. To the press, Duke Coach Mike Krzyzewski refused comment saying only, "It's done."

Yes, it is. Yes, it most certainly is.

## Braman named head coach for track and field

After serving the past three years as FSU's cross country coach, Bob Braman has been named head coach of the track and field program.



Bob Braman

Braman, who brings 18 years of head coaching experience to his new post, takes over the program that has captured the last two men's Atlantic Coast Conference titles and a men's team that swept all three major conference awards in April. The women's team finished second in the ACC outdoor championships for the second straight year.

Braman succeeds Terry Long, who retired after 19 seasons as the program's head coach.

"It's quite an honor to be selected to succeed a legend like Terry Long here at FSU," Braman said. "My goal is to continue on the path of excellence that he has set for us, and I'm pleased that we will be able to keep our entire staff together in that quest," said

Braman.

Braman praised Long for recruiting him to coach at FSU and thanked Charlie Carr and Dave Hart for supporting him to lead track and field.

This past spring, Braman finished his most successful season at FSU. He led the women's cross country team to its first NCAA championship appearance after a second place showing at the NCAA South Region Championship. FSU completed the regional just two points behind champion Tennessee.

Longtime FSU throws coach Harlis Meaders has been promoted to the position of associate head coach of the track and field program.

WE PROUDLY SUPPORT THE FSU ALUMNI ASSOCIATION

ONE-OF-A-KIND COPYRIGHTED

-HOT- GIFTS TO INSPIRE ALL SEMINOLE FANS!

**www.FSUGolfShirts.com**

UNIQUE SHIRTS, GOLF BAGS, GOLF TOWELS, SHOE BAGS, HUSH PUPPY SLIPPERS, SPORT WATCHES, TAILGATE PARTY PACKS & MORE!

ORDER ONLINE NOW  
www.AlumniGolfShirts.com  
OR CALL  
**1-877-295-3148**  
24 HOURS

Hurry!  
Limited quantity of shirts available at this time.

3 Styles Available

Ad by RLH DESIGNS  
Hollinger.rl@lycos.com

An Arizote Enterprises, Inc. venture  
and a www.SpartanTimes.com affiliate

**2003**  
**Seminole Football**

Oct. 11	Miami	(TBA) noon
Oct. 18	at Virginia	(TBA)
Oct. 25	WAKE FOREST	(TBA)
Nov. 1	at Notre Dame	NBC 2:30 PM
Nov. 08	at Clemson	(TBA)
Nov. 15	NC STATE	(TBA)
Nov. 29	at Florida	CBS 3:30 PM



**FSU FOUNDATION**  
Special Report



**FSU connect**

## Faithful Remain CONNECTed to FSU

FSU CONNECT, the Campaign for Florida State University, launched a series of regional events recently to bring FSU's \$600 million fund raising effort directly to alumni and friends in key areas around Florida and Georgia.

"By focusing on FSU's key constituencies, we've been able to rejuvenate their commitment to the

university's continued success," said FSU Foundation President Jeff Robison. "Alumni are excited about being a big part of the university's future."

To date, the campaign has raised more than \$407.6 million to support student scholarships, faculty endowments, academic programs, and to enhance facilities.

Joining Robison at events in Atlanta, Jacksonville, Orlando, Fort Lauderdale and West Palm Beach were FSU President T.K. Wetherell, his wife Ginger and Alumni Affairs President Jim Melton, as well as several deans.

President Wetherell summed it up best when he told those gathered that their giving to the university is what allows FSU to excel.

"The difference between existence and excellence at FSU," he said, "is private support."

Complementing the president's message at each of the events were FSU supporters who told their stories of why FSU was so important to them as students and why it continues to matter to them today.

In Atlanta, Brenda DiCristina, '71, told of coming to Tallahassee to work, not go to school. Having recently

graduated from junior college and putting an unstable family life behind her, she was happy with her accomplishments and eager to start her new job at the University Union.

"My coworkers asked whether I'd be registering for classes. I told them that only rich people went to college," she said. "I was happy to have graduated from junior college and have a job already."

*"The difference between existence and excellence at FSU is private support."*

T.K. Wetherell

With no small amount of love, DiCristina said, her FSU family gave her the guidance and support necessary to enter FSU, live in the newly constructed Cash Hall and work two jobs in order to finish her education degree.

"I'm not going to kid you, those were hard times. It was tough. Without the help of so many others, I never would have made it," she said.

But made it, she did. Now, she and her husband Frank, whom she married during their senior year at FSU, are able to give back to the place that has meant so much to them.

"When Frank's company went public, we said our lives wouldn't change, but we asked each other, who can we help? If not for FSU and my FSU family, I never would have gone to college," said DiCristina.

Brenda and Frank DiCristina's story, like those of so many others, typify the FSU experience and the FSU CONNECT campaign, Robison said. "It's all about people's connections with FSU."

Vice President for University Relations and Public Affairs Lee Hinkle will lead the next round of regional events.

"The story of where FSU is going and how alumni can play a big part in our future is exciting. I look forward to telling it and meeting more members of the FSU family," Hinkle said.

From a strictly fundraising point of view, this past year was challenging explains Robison. He has confidence now that the regional campaigns are re-igniting passions for FSU.

"The people who love this university are showing that they will support it through both good and challenging times," he said. "And that's encouraging."



T.K. and Virginia "Ginger" Wetherell with Raymond Cottrell, M.D., at the Orlando event. Inset: Frank and Brenda DiCristina.

# FSU connect

## THE CAMPAIGN FOR FLORIDA STATE UNIVERSITY

*We want you to join us on Florida State University's amazing journey!*

- The FSU CONNECT Campaign will raise \$600 million to support academics
- The five-year campaign is entering its regional outreach phase
- During the regional phase, efforts are geographically focused to help ensure that everyone has an opportunity to participate. Below are the regions of focus during the next year:

REGIONS	MAJOR REGIONAL CITIES	REGIONAL FOCUS DATES	TOTAL RAISED TO DATE
Northeast Florida & Georgia	Atlanta, Jacksonville	May - November 2003	\$33,170,696
Central Florida	Orlando, Daytona Beach	May - November 2003	\$5,134,819
South Florida	West Palm Beach, Ft. Lauderdale, Miami	September 2003 - March 2004	\$15,527,577
West Coast Florida	Tampa, St. Petersburg, Sarasota	December 2003 - May 2004	\$22,397,395
Florida Panhandle	Tallahassee, Pensacola	January - June 2004	\$85,528,908

Please help ensure FSU's future by supporting the Campaign!  
Make your gift today - see the inserted envelope!

### FSU CONNECT

Creating...  
876 Undergraduate Scholarships  
278 Graduate Fellowships  
150 Professorships  
37 Endowed Chairs  
46 Programs endowed at \$2 million or more  
\$121 million for construction

[www.fsuconnect.com](http://www.fsuconnect.com)



# NEWS NOTES ALUMNI

Compiled by Kathy Harvey, FSU Alumni Association  
To submit news for News Notes and In Memoriam, e-mail kharvey@mailier.fsu.edu

1967

Judge Paul M. Glenn (B.A.) was selected to be the Chief Judge of the Bankruptcy Court for the Middle District of Florida in Tampa.

Margaret "Cicely" Walker Thomas (B.S.) is the new principal of Citrus Springs Elementary School in Citrus Springs, Fla.

1970

Charles P. Hayes (M.S.) will retire as the vice president of administration and finance of the Central Florida Community College in Ocala.

1971

Nancy Landers Gormley (M.S.) is the chair of the Nease High School mathematics department, Deland, Fla.

1973

J. Craig Boydston (M.S.W.) was named Mental Health Professional of the Year by the Mental Health Association of Okaloosa-Walton Counties.

Evelyn Sinclair Chastain (B.A.) is the new principal at Southside Elementary School in Starke, Fla.

1974

Howard A. Kusnick (B.S.) was given a Lifetime Achievement Award by the Greater Sunrise Chamber of Commerce, Broward County.

1975

Roy L. Glass (J.D.) of the law offices of Roy L. Glass, P.A. in St. Petersburg, has been appointed Chair of The Florida Bar Clients' Security Fund Committee.

1977

Steven MacLauchlan (B.A.) was chosen to be the new chief executive of Helen Ellis Memorial Hospital in Tarpon Springs, Fla.

1980

Thomas K. Equels (J.D.) has been inducted into the Distinguished Flying Cross Society, an elite society comprised of war heroes who received the highest honor for military flying.

1983

Steve P. Lastowski (B.S.) has opened Lastowski Realty and Property Services in Tallahassee.

1984

Thomas M. Ramsberger (B.S., J.D. '87) is an attorney with Trenam, Kemker, Scharf, Barkin, Frye, O'Neill & Mullis and works primarily in St. Petersburg.

1985

Lynn M. Machleit (B.S. '85) has been named chief financial officer for MARC Global in Dulles, Va.

1986

Conni Todd (B.S.) works for Prudential Atlanta Realty and has joined its Perimeter North location.

Frank J. Visconti (B.S.) was promoted to President and CEO of Arrow Air.

1987

Chris Dunn (B.S.) has been named director of construction of IH Suncoast Homes, the Inland Homes operating company that builds in Pasco County, Fla.

1988

Robbie Fox Castleman (M.A.) is an assistant professor Biblical studies and theology at John Brown University in Ariz.

Belinda M. Jones (B.S.) was part of a National Geographic-sponsored Earth-watch team. She went to the Pantanal which spans portions of Brazil, Bolivia and Paraguay.

Daniel W. Mixon (B.S.) has been named director, Treasury Services, for Asurion, which is headquartered in Nashville, Tenn.

1989

Charles E. Alvarez (B.S.) is a salesman for PDSHeart LLC which is based in West Palm Beach and Conyers, Ga.

1990

John T. Osterlund (M.S.) has been named as general manager for the Rotary Foundation of Rotary International in Evanston, Ill.

1991

Robert E. Kramer (B.S.) was named president of the International Game Fish Association. Kramer lives in Tallahassee.

John F. Schutz (B.S.) received board certification in marital and family law. Schutz is a certified marital and family mediator, and partner in the law firm of Manoff & Schutz P.A. in West Palm Beach.

1992

Raymond C. McDaniel (B.A.) teaches in the Sweetland Writing Center at the University of Michigan and is the Constant Critic for the literary magazine FENCE. He was awarded a National Poetry Series award for his work "Murder and After."

1993

Susan Neeley Marks (B.S., J.D. '96) is a partner with McConnaughay, Duffy, Coonrod, Pope & Weaver, P.A. Marks was elected president of the Young Lawyers Division of the Escambia/Santa Rosa Bar Association.

1994

Bob Sura was inducted into the FSU Hall of Fame.

1995

Elizabeth A. Smith (B.S., M.S. '97) was part of a National Geographic-sponsored Earthwatch team that went to the Pantanal.

1996

Ben W. May (B.S.) is a visiting professor of English at Pusan University in Pusan, South Korea.

Thomas N. Petersen (B.S., M.S. '98) is the new principal of Pope John Paul II Catholic School in Lecanto, Fla., in Citrus County.

1997

William G. Kelly (M.S.) was promoted to his current rank of Coast Guard commander while aboard the Coast Guard Cutter Spencer, home ported in Boston, Mass.

Lori S. Sowell (B.S.) was inducted into the FSU Hall of Fame.

1998

J.D. Drew was inducted into the FSU Hall of Fame.

Frank P. Mayernick Jr. (B.S., J.D. '02) is the new director of legislative affairs for the Florida Department of Juvenile Justice.

Scott Snedeker (M.B.A.) was promoted to banking officer for BB&T in Winchester, Va.

1999

Paul E. Bucker (J.D.) has joined the firm of Marks Gray P.A., in Jacksonville.

Wendelynn "Wendy" McPherson (B.S.) was named as Monroe Schools Reading Initiative Program specialist.

Jason P. Mooney (B.A.) was designated a Naval Flight Officer while with the 12th Flying Training Wing, Randolph Air Force Base, Texas.

2000

Andrea N. White (J.D.) has been practicing with McConnaughay, Duffy, Coonrod, Pope & Weaver, P.A., since '01.

2002

Wesley M. Ball (B.F.A.) won the bronze medal at The Academy of Motion Picture Arts and Sciences 30th annual Student Academy Awards in Beverly Hills. Ball won the medal in the animation category for his film, "A Work in Progress."

2003

David Norona (B.M.E.) will be the director of Bay High School's "Million Dollar Band," in Panama City, Fla.

Erin R. Pinkerton (B.S.) is a sixth grade teacher at Raa Middle School in Tallahassee.

## In Memoriam

1920 - 1929

Katherine Prime Shepard (B.A. '25), Carolyn Doyle Richardson (B.A. '26), Pauline Entenza Ball (L.I. '28), Emily Martin Spofford (L.I. '29)

1930 - 1939

Mildred Myrick Smith (B.S. '32), Marion Phillips Berry Burnett (B.M. '33), Mary Deone Daniells Winegar ('33), Frances Bryson Esche (B.S. '34), Eva Alonso Long (B.S. '35), Helen Shepard Merrill (B.S. '36), Leah Andrews Morgan (B.A. '37), Esther O'Byrne Sullivan (B.A. '39)

1940 - 1949

Mary Huber Frazer (B.S. '40), Margaret "Peggy" Cook Clearman (B.S. '42), Sara McIntosh Knutson (B.S. '42), Sue Love Liske (B.S. '42), Maggie Stump Stichka (B.A. '43), Jane Williams Harmon (B.S. '44), Olivia Boland Jones (B.A. '45), Barbara Jean Douglas Dunning (B.A. '48), John W. Blake Jr. (B.S. '49, M.S. '50), Sally Caldwell McCord (B.A. '49)

1950 - 1959

Margaret Scott Blakey (B.A. '50), Vera Jordan Maxwell (M.S. '50), John S. Wade (B.S. '50), Lowell L. Warnock (B.S. '50), Margot Nasrallah Anderson (B.A. '51), Shirley Wheeler Brown (B.S. '51), Oscar W. Cashwell Jr. (M.S. '51), William G. Duckworth (B.S. '51), Mary Hope Fuller Melton ('54), Ted S. Aggelis (B.S. '55), Martha Anne Cunningham (B.S. '55), Norman Edgar Fenn (B.S. '56, M.S. '63, Ph.D. '72), Riley Malone Peddie (B.S. '56), Roy E. Swader (M.S. '56), Thomas B. Castiglia Jr. (B.S. '57), Mary Wells McDonald (B.A. '57), Charles E. Pabor (B.S. '57), Julio R. Rive (M.S. '57), Robert H. Dowd (B.S. '58), Daniel Ralph Green (B.S. '58)

1960 - 1969

Gordon Berkley Henkel (B.M.E. '60), Raymond L. Markett (B.M. '60), Alvin Delbert Aurand (M.S. '61), James E. Micheline (B.S. '61), Joyce Koehler Myer (B.S. '61), Richard L. Oliver (B.S. '61), Charles E. Dougan (B.S. '62), James Thomas Hurst (B.S. '62), Janine Y. Chapman (B.A. '65, M.A. '74, M.S. '83), Barbara Kane Shannon (B.A. '65), James S. Vincent (B.S. '65), Malcolm Luther Hendrix (B.S. '66), George H. Worm (M.S. '67), Paul P. Fidler (Ph.D. '68), Ruth Ross Price (B.S. '68), Marion Firth Jefferson (M.S. '69, Ph.D. '71), Joe Martin (M.S. '69), Kathleen Olin Walker (B.A. '69), Patricia Strickland Warren (J.D. '69)

1970 - 1979

Robert M. Avent Jr. (M.S. '70, Ph.D. '73), Jerry L. Downs (B.S. '70), Dennis Michael "Denny" Bunn (B.S. '71, B.S. '87), Jane Jones Parker (Ph.D. '72), Jane Byerts Jones (M.S. '73), R. Dale Trefelner Jr. (B.W. '73), Charles F. Immig ('75), Micheal L. Miller (B.A. '75), Robert D. Green (E.D.S. '78), Marvin L. Lee (A.A. '79)

1980 - 1989

Aileen Barnett Helmick (ADV. '81, Ph.D. '82), David M. Chane (B.S. '86), Michael J. McCarty ('86), Dorothy Baitsell O'Connor (E.D.D. '86), Sharon J. Lane ('87), Amy L. Hennessey (B.S. '88)

1990 - 1999

Bonnie Vereen Taft (B.S. '90, M.A. '92), James L. Wilkerson (B.A. '93), Kevin Denard Saylor ('94)

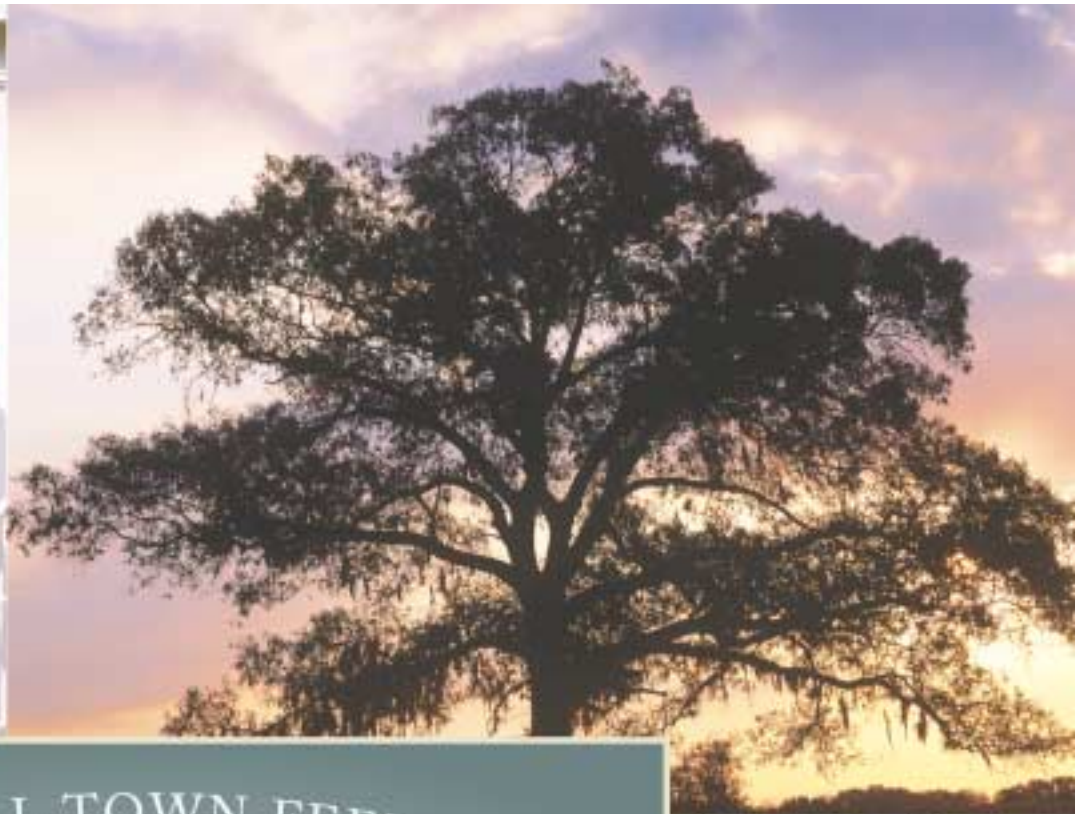
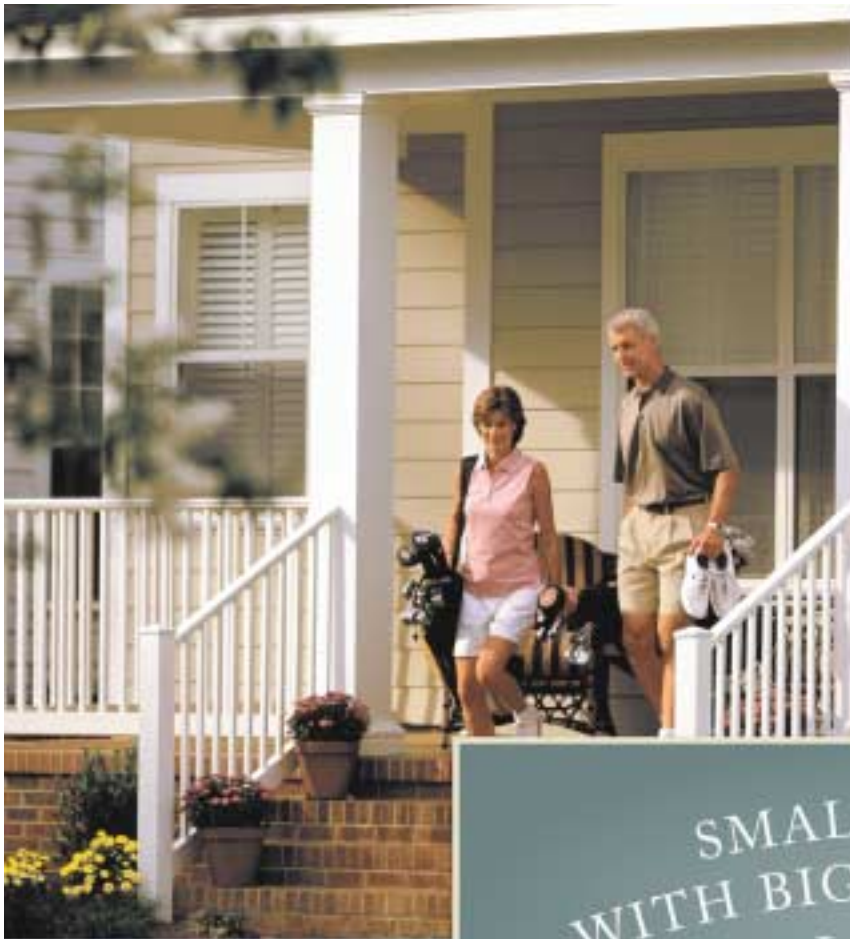
2000 - 2003

John Michael Murphy Jr. ('03)

FACULTY AND STAFF

Jacqueline J. Hovland, Johnny O. "Tubby" Jenkins, Eva Jones, Kenneth Jones Sr., Samuel R. Neel, Graham K. Oliff, Julia Drott Rowell





SMALL-TOWN FEEL,  
WITH BIG-CITY AMENITIES.  
*In other words,*  
THE IDEAL WAY TO LIVE.

Imagine a town with all the things you're looking for. The cultural events. The access to lifelong educational opportunities. The chance to live in a climate that has four seasons, yet still is in Florida. It's all here in Tallahassee, in a wonderful community called SouthWood.<sup>SM</sup> Call today or visit us online for more information.



SOUTHWOOD, a master-planned community.

New homes from the \$160's to over \$750,000.

Come visit The SouthWood House, our sales center, located 7 miles from historic downtown Tallahassee in Northwest Florida.

Call 850.513.3001 or 877.305.6365 toll-free for details, or visit us online at [www.arvida.com](http://www.arvida.com).

T a l l a h a s s e e , F l o r i d a

©2001 Arvida Community Sales, Inc., Licensed Real Estate Broker. "Arvida" is a registered service mark of St. Joe/Arvida Company, L.P. "ST JOE" and the "Taking Flight" design are registered service marks of The St. Joe Company. "SouthWood" is a service mark of The St. Joe Company. Prices, plans, uses, dimensions, specifications, materials and availability are subject to change without notice. Arvida and St. Joe do not guarantee the obligations of affiliated builders who may build and sell homes in the SouthWood community. Ownership of a residence in the SouthWood community does not grant any use of or access to the SouthWood Golf Club or any other clubs in the SouthWood community, all of which may require the purchase of separate memberships pursuant to each club's rules. Eligibility to join a club depends on its rules, which are subject to change. Void Where Prohibited By Law. This does not constitute an offer to sell real property in any jurisdiction where prior registration or other advance qualification of real property is required. Broker Participation Welcomed. Equal Housing Opportunity.





## Creating a Five-Star Estate Plan



By Paula Fortunas  
Vice President for  
Planned Giving

You may think that once you've made a will, the future distribution of your assets is settled. Unfortunately, it's not always that simple.

While it's certainly better to have a will than not, additional choices play a key role in adequately protecting you and/or your heirs. For example:

1. Create a living trust and place your significant assets there. Then, under your

will, provide for the flow of any remaining assets into that trust. You may also want to consider establishing additional trusts under your will. The potential benefit includes tax-savings opportunities that can ensure your heirs will not have to liquidate assets to pay estate taxes.

2. For married couples, each spouse should have his or her separate will and living trust. This entails review of ownership of certain property and beneficiary designations of assets.

3. Keep your financial affairs private. Unlike a will, a living trust is not available under public records, and all assets in the trust are handled with the same privacy. Your personal family matters are not exposed.

4. State your health care wishes through a living will. This simple document outlines your preferences about lifesaving medical treatments if you're terminally ill. Combine this with a durable power of attorney for health care to appoint someone to make your medical decisions if you cannot make them yourself.

5. Finally, allow yourself peace of mind. Seeking professional advice and looking at all your options can lead to a tax-wise estate plan that meets the needs of your heirs and fulfills your philanthropic objectives for Florida State University and other organizations of your choice.

If you would like to learn more, please either fill out and return the form below or contact us via telephone or e-mail as noted. Prospective donors should not make final gift decisions without first consulting their personal legal and financial advisors.

- ☐ Please send complimentary brochure, Estate Planning Strategies That Meet Your Needs.
- ☐ Please contact me about a personal visit or other assistance.
- ☐ I have provided for Florida State University in my gift and/or estate plans.
- ☐ Please send information about the James E. Westcott Legacy Society of Florida State University's President Club.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_  
E-Mail \_\_\_\_\_

Please send this form to:

Office of Planned Giving  
Florida State University Foundation, Inc. Telephone: (850) 644-6000  
225 University Center, Building C, Suite 3100 Fax: (850) 644-6211  
Tallahassee, Florida 32306-2660 e-mail: pfortunas@foundation.fsu.edu

## Quarks and the origins of the universe

(Continued from page 1)  
of where we came from."

It is believed that the universe existed entirely of quark-gluon plasma while it was a tepid 100 trillion degrees Celsius right after the Big Bang. As it cooled to less than 1 trillion degrees, a process that took only a few millionths of a second, theorists believe the quarks and gluons that made up matter



Anthony Frawley

froze together forming the protons and neutrons of atomic matter that we know today.

A device built in a warehouse west of FSU's campus in the mid-1990s called the Ring Imaging Cherenkov (RICH) detector is key to determining whether scientists have reproduced the quark-gluon plasma in laboratory experiments.

Part of an ongoing series at Brookhaven called PHENIX, the pioneering high-energy nuclear interaction experiment, the project involves studying the reactions of two gold or other "heavy" nuclei after they crash head on into each other traveling at roughly the speed of light.

These collisions are so violent that they produce temperatures of about 3.5 trillion degrees Celsius (roughly 6.3 trillion degrees Fahrenheit), replicating the conditions of the universe after the Big Bang. Scientists believe that these collisions liberate the quarks and gluons that have been locked inside protons and neutrons since the beginning of time, enabling the quark-gluon plasma to form for a few microseconds.

The Ring Imaging Cherenkov detector is one of many detectors dissecting the multitude of data produced by each collision in the PHENIX project.

Earlier this year the scientific team announced it had detected one "signal" of the quark-gluon plasma when matter never seen before in collisions at lower speeds was observed. That phase complete, it will now be up to the detector built at FSU to reveal the second signal of quark-gluon plasma called the J/psi particle.

The FSU detector is a primary component for sorting J/psi particles from the thousands of other particles produced during each collision. If the J/psi particle is detected in the proper amounts, it could prove that quark-gluon plasma existed. Frawley expects it will take a year before a definitive claim can be made.

"It's the key signal people are waiting for," Frawley said. "If it's a clear signal, I think people will then say, 'Yeah, we've got it.'"

Quark-gluon plasma is believed to exist today only inside neutron stars.

WE PROUDLY SUPPORT THE FSU ALUMNI ASSOCIATION

ONE-OF-A-KIND COPYRIGHTED

-HOT- GIFTS TO INSPIRE ALL SEMINOLE FANS!

**www.FSUGolfShirts.com**

UNIQUE SHIRTS, GOLF BAGS, GOLF TOWELS, SHOE BAGS, HUSH PUPPY SLIPPERS, SPORT WATCHES, TAILGATE PARTY PACKS & MORE!

ORDER ONLINE NOW  
[www.AlumniGolfShirts.com](http://www.AlumniGolfShirts.com)  
OR CALL  
**1-877-295-3148**  
24 HOURS

Hurry!  
Limited quantity of shirts available at this time.

3 Styles Available

Ad by RLH DESIGNS  
Hollinger.rlh@ycos.com

An Arazote Enterprises, Inc. venture and a www.SpyTimes.com affiliate

## Internship created to honor statistics Professor Pi-Erh Lin

Florida State University graduate Michael W. Sill has created a summer internship in honor of his former statistics professor.

Sill has established the Lin Fellowship in honor of Pi-Erh Lin who retired at the end of the summer after 34 years of teaching. The fellowship is for non-statistics majors to conduct a Directed Individual Study (DIS) under the direction of a statistics faculty advisor that focuses on the student's area of interest and how statistics can be used to further research in that area. The \$2,500 award will be given once each summer. The student will be expected to write a report summarizing the research and the internship experience.

After receiving his bachelor's of science degree in chemistry from FSU in 1993, Sill applied for graduate programs in statistics, but was rejected due to a weak background in mathematics courses. He returned to FSU and held an internship similar to the one he established under the direction of his favorite professor, Pi-Erh Lin. Through the internship, Sill was given real research problems to study, and Lin took extra time to show Sill techniques of analysis in his field of expertise. Sill, with guidance and help from Lin and other FSU professors, was accepted by the University of Pittsburgh where he received a doctorate in statistics in 2000.

Today, Sill is a senior biostatistician with the Gynecologic Oncology Group Statistical and Data Center at the Roswell Park Cancer Institute.





## University Fellowships

Question ♦ Explore ♦ Analyze

### Creating Academic Opportunities

Funding graduate fellowships is one of FSU's top priorities. To help fuel the engine of university research and scientific breakthrough at the graduate level, FSU CONNECT will:

- Raise \$18 million;
- Create 40 more Fellowships;
- Provide \$15,000/yr awards



Ph.D. candidate Elizabeth Smith is working with National Geographic to reinvestigate K-12 geography education for the next generation.

## CONNECTing People to Places

Never before has understanding geography been so important. As our world grows smaller, our need to understand it grows larger. FSU graduate student Elizabeth Smith, supported by funding from the National Geographic Society, is making sure our next generation knows the world from an intellectual as well as personal point of view.

"Geography helps kids learn to make decisions, how to ask questions, and how to analyze information," Smith says. "It's great getting them out in the field. They are practicing what real geographers do. Without the private funding I receive to pursue my studies, my research and work wouldn't be possible."

# FSU connect

THE CAMPAIGN FOR FLORIDA STATE UNIVERSITY

Help us fund graduate research. Make your gift today.

Use the inserted envelope, call us at (850) 644-6000, or visit: [www.fsuconnect.com](http://www.fsuconnect.com)





# "Help us beat the Gators on the Road!"

*Gene Deckerhoff*

**WITH THE TAG**

**Raising \$1.7 Million in Scholarships Each Year**

**www.fsu.com**

TAG SCOREBOARD	
FLORIDA	83,843
FSU	70,369

Gene Deckerhoff,  
Voice of the Seminoles



# WE'RE BUILDING A LEGACY ONE BRICK AT A TIME

Secure your legacy in Seminole History with a personalized brick on the Seminole Legacy Walk. This impressive walkway will surround University Center and will be constructed with personalized bricks from loyal Seminole fans. Legacy Walk will be delineated by decades and will feature stone markers of legendary Seminole Athletes.



SEMINOLES FOREVER  
MARYANN STILES &  
BARRY SMITH

IN LOVING MEMORY  
OF  
SONYA DURANT  
MASON  
NOVEMBER 16, 2002



**LEGACY WALK CAMPAIGN GIFT OF \$250**  
4" x 8" engraved brick with your personalized message in the Legacy Walk

**LEGACY WALK CAMPAIGN GIFT OF \$1,000**  
8" x 8" engraved brick with personalized message next to plaques of FSU All-Americans.

**Boosters**

**www.seminole-boosters.com**  
**1.800.306.9011**