A magazine for Alumni and Friends of Florida Institute of Technology

ST BOOK

Florida Tech TODAY

SPRING 2006

Cover Story Tommy Strowd and Ken Ammon: Leading the Charge to Restore the Everglades

In This Issue:

A Remembrance of Time Spent a World Away | Fulbright Scholars | Protect Your Computer

President's Perspective

Dear Florida Tech Alumni and Friends,

Welcome to the Spring 2006 issue of the *Florida Tech TODAY*. This issue tells the story of how our alumni, faculty and students continue to make a difference in every corner of the world. Their efforts are a credit to them and the university they represent.

Our cover story features a group of alumni who are putting their degrees to amazing use as they lead the charge to reclaim Florida's dying



Everglades. The story of their efforts, in both words and pictures, should be an inspiration to us all.

People can get annual flu shots, but protecting computers against a virus is a multi-stepped process. One of our faculty, computer scientist Richard Ford, lays out all the "dos and don'ts" for keeping your computer healthy.

Engineering Professor Fred Ham shares in this issue a personal tale of sacrifice and remembrance as he chronicles the decommissioning of a battleship on which he served during three tours of duty in Vietnam. His story is a fascinating one, and it seems hard to believe that his tours took place nearly 40 years ago.

Closer to home, the Fulbright Scholars program has brought the world's best scholars to Florida Tech, as this profile of several graduate students will attest. The program will also send one of our finest scholars to the world, as marine biologist Ralph Turingan will return later this year to teach and research in his native Philippines.

Finally, we celebrate the best in Panther athletics in this issue, commemorating the induction of four elite student-athletes into our Hall of Fame. You can learn more about these Panther greats who came from all over the world and right around the corner.

Best wishes to you and yours for a safe and happy summer.

Sincerely yours,

A.J. Catanese, Ph.D., FAICP President

Florida Tech today

Florida Institute of Technology

PRESIDENT Anthony James Catanese, Ph.D., FAICP SR. VICE PRESIDENT FOR ADVANCEMENT Thomas G. Fox, Ph.D.

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High Tech with a Human Touch

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This month's cover: On-site at a water control structure, Tommy Strowd '76 (left) and Ken Ammon '75 discuss flows near the Arthur R. Marshall Loxahatchee National Wildlife Refuge, one of several large, protected areas in the Everglades that are benefiting from ecosystem restoration. (SFWMD–Patrick Lynch, photographer)

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Rollin' on the River Event–Francisco "Kiko" Picornell '84, '85, '87, and Pat Picornell

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The Brevard County tag office is promoting the Panther License Plate.

Dear Fellow Florida Tech Alumni:

Please support the Panther License Plate Program! Prospective students should know we take pride in our great university.

I learned of the Panther License Plate Program as I am currently deployed in Iraq and I immediately contacted Ken Droscher (Executive Director of the Florida Tech Alumni Association) to express my interests in purchasing the Panther License Plate and I also asked what I could do to help. Since my current residency does not allow me to purchase the Panther Plate, I decided to send in a letter to support the efforts. Many youths and adults contemplate the decision to attend a college at various points in their lives, the idea of them having seen a Panther License Plate plants a seed in their mind, which could ultimately sway them into attending our great university. I am sure you are aware there was much time and effort put into getting the Panther License Plate and it would take twice the effort to regain it if we lose it.

Please support the efforts and display pride in our great university! Sincerely, Gregory Montgomery '03 M.S., '04 M.B.A.

Tell us what you'd like to see and give us your responses to the articles that you've read in the magazine. We'd love to hear from you. Send your comments to the editor, Jay Wilson, jowilson@fit.edu.

A Look Back in History



Florida Institute of Technology's 50th anniversary is fast approaching, but our history is slipping away all too quickly. Our history survives only if it is documented for posterity. The university has formed a History Committee whose purpose, in cooperation with the Professors Emeriti, is to identify and collect memorabilia, publications, photographs, documents and other items of historic value.

HELP, LET US KNOW WHERE IT IS!

Please contact me, Professor Emeritus Dr. Harry Weber, and let me know what you have or where it is. I can be reached at hweber@fit.edu or toll free at (866) FLA-TECH. Or drop me a letter to Florida Institute of Technology, c/o Alumni House, 150 West University Boulevard, Melbourne, FL 32901, Attn. Dr. Weber.



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MELBOURNE INTERNATIONAL AIRPORT

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Florida Tech Earns 10-Year Accreditation Reaffirmation

The university received reaffirmation of its accreditation for the next 10 years from the Southern Association of Colleges and Schools (SACS). The university undergoes the exhaustive review process every decade.

"Our hard work and dedication to our mission drew just seven recommendations from the SACS review committee this time, compared to 62 recommendations in 1995. We should all be proud that we've come such a long way," said **President Anthony J. Catanese**.

Dr. Robert Fronk, vice provost for academic affairs, led the Florida Tech SACS accreditation team. The team has worked since 2002 to supply SACS evaluators with relevant information.

"We are grateful for the efforts of Dr. Fronk and his team in this essential process," said Catanese.

"Of special note is the Quality Enhancement Plan, which is the new SACS requirement. I was a member of the SACS Steering Committee on Accreditation that created this innovative approach. It is an effort to go beyond the gatekeeper function and develop goals for enhancing academic quality. Our QEP states that all Florida Tech students graduate and undergraduate—will engage in research and discovery, and we will become the first university to achieve that.

"Ours is a task of continuous improvement. We will always seek to better ourselves in our teaching, research and service to the community. We will always strive to make a difference."

The Commission on Colleges of SACS is the recognized regional accrediting body in the 11 U.S. southern states (Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Texas and Virginia). The body also accredits schools in Latin America, which award bachelor's, master's or doctoral degrees.

The written report we receive from SACS helps the institution improve its programs and refine its quality enhancement plan. The report also provides the basis on which the commission decides to grant, continue, reaffirm or withdraw accreditation.

"A positive accreditation is critical to receiving federal financial aid for our students," said **Provost T. Dwayne McCay**. "The SACS team reaffirmed what we already knew: that Florida Tech is an excellent academic institution with a real plan for furthering its success."

Lifetime of Achievement

Dr. Jose A. Martinez-Diaz, associate professor and program chair of the Florida Tech School of

Psychology Applied Behavior Analysis Master's Degree Program, has earned a Florida Association of Behavior Analysis Charles H. Cox Award. The award is for outstanding service and for the advancement of behavior analysis in Florida in 2005.

The award is named after Charles H. Cox, director of the Florida Department of Health and Human Services Developmental Services Program Office in the 1970s and early 1980s.

Martinez-Diaz, a board certified behavior analyst, founded the graduate program in applied behavior analysis at



Florida Tech and replicated it at University College's Orlando site. He is treasurer of the Behavior Analyst Certification Board and one of its three executive committee members.

Martinez-Diaz is a past president of the Florida Association for Behavior Analysis and was a member of its executive committee for eight years. In addition, he is director of A.B.A. Technologies, a company providing agency consultation, staff training and continuing education.

He currently is developing a series of online courses for Florida Tech that will meet certification requirements.

Homecoming Festivities

We were unable to include a photo gallery from Homecoming in this issue because of printing deadlines, however, you can view photos online at www.fit.edu/alumni/events/photogallery/index.html#



From left: Dr. Burkhard Rahut, President of RWTH Aachen University (Germany), and his wife Judith with Sara Catanese and President Catanese during homecoming festivities.

'Uncommon Threads' Weaves Rare Event

In February, the university wove together two cultural arts experiences in "Uncommon Threads: Connoisseurship and Antique Textiles." Titi Halle, commentator on PBS television's "Antiques Roadshow" and director of Cora Ginsburg LLC, was at the heart of both events.

In the lecture, "Cora Ginsburg: The Influence of a Pioneer Dealer in Historic Costumes and Textiles," Halle discussed the life of collector and gallery founder Cora Ginsburg. The celebrated art collector made a profound impact on textile collections in American museums, such as The Colonial Williamsburg Foundation.

A luncheon featured displays of antique and embroidered textiles and a presentation by Halle on their care and conservation. Halle also conducted an appraisal of rare textiles, including antique textiles from Florida Tech's Ruth Funk Collection.

The "Uncommon Threads" special event is part of Florida Tech's new "Textile Art and Industry" program. The program began in 2004 with help from Ruth Funk, artist, lifelong art educator and local patron of the arts. She donated her textile collection to the university along with a financial gift for planning a textiles program.

Washington Monthly Ranks Florida Tech Second in State

Yet another indicator of quality highlights the impact of Florida Tech. *The Washington Monthly's College Guide* ranks Florida Tech 106th in the nation and second in the state of Florida. The rankings are meant to showcase what universities and colleges are doing for their communities, states and country.

Washington Monthly's philosophy outlines three basic principles: "Universities should be engines of social mobility. They should produce the academic minds and scientific research that advance knowledge and drive economic growth, and, third, they should inculcate and encourage an ethic of service."

Scoring well in all three areas, Florida Tech excels in the area of public service. The magazine ranks the university's ROTC program eighth in the nation and ranks the university's efforts to send graduates into the Peace Corps 68th.

"Because service is unique to the American model of higher education, we're extremely proud of our ranking in the *Washington Monthly* guide," said **President Anthony J. Catanese**. "We believe that our graduates go out into the world with a better understanding of the global environment and the need to act on a local level." In total, the magazine ranked 245 national universities, including eight from the state of Florida.

Food Research Scientists Join Florida Tech

Two researchers were appointed Distinguished Visiting Research Professors in University College. **Keith Berkowitz, M.D.**, and **Peter V. Radatti, Ph.D.**, join the faculty to pursue research in sustainable food products related to the State of Florida.

Berkowitz is medical director of the Center for Balanced Health in New York City, which he founded in 2003. The center specializes in the prevention and treatment of obesity, diabetes, heart disease and other metabolic conditions.

Radatti, whose background is in chemistry, electronics and astrophysics, worked for 13 years at General Electric Space, Military Programs Department. While there, he designed and developed very early fiber-optic computer networks.

Radatti is CEO and, with Berkowitz, co-founder of R&B Foods. They began the company in 2004 to create healthy food products to benefit Berkowitz's patients, many of whom have diabetes, unstable blood sugar or heart disease. At Florida Tech they will continue work they have begun on orange-based fiber flour and other food products.

First in Region ... Again



Florida Tech ROTC cadets pictured from left, front row: Randall Renneisen, Jared Porritt, Jonathan Logan (team captain), Roger Hafford, John Tully; back row: Geoffrey Givens, Kevin Gall, Mike Sonnenschein (cadre coach), Craig Wilkinson, Ted Simpson, Brent Turner

Members of the Florida Tech Army ROTC Ranger Challenge Team consistently prove their excellence, and 2005 was no exception. Just as in the past three years, the team defeated 10 other teams including Embry Riddle, University of Florida and University of Tampa, to bring home the regional first place trophy. Of the five events in the Ranger Challenge, the Florida Tech team placed first in the Rope Bridge, Six-Mile Full-Equipment Run and Weapons Assembly.

Falcons Earn First Schuster Award

At the regional, National Intercollegiate Flying Association (NIFA) Safety and Flight Evaluation Conference, Florida Tech's Falcons flight team was awarded the first Robert Schuster Memorial Safety Award for NIFA Region 9. At the event, held in Jacksonville, Fla., the Falcons came in second place.

An ad hoc organization, "Friends of Bob Schuster," sponsored the new award in honor of Schuster. A College of Aeronautics professor for four years, who died in March 2004, Schuster was devoted to aviation safety and very active in the NIFA flight competitions.

"We hope this will become an annual award in Bob's memory, to recognize his love of flying and devotion to flight safety," said **Dr. Donna Wilt**, associate professor of aeronautics. To make a financial contribution to future awards, contact Wilt at dwilt@fit.edu.

Grant Opens Access to Link Collection

Gifts to Florida Tech's Evans Library are digitizing and making available online the contents of the library's Edwin A. Link Special Collection. Funding comes from Florida Tech trustees **Marilyn C. Link** and **Dr. Andrew Clark**, with matching funds donated by the Link Foundation. **Nicole Hoier**, Florida Tech instructional technologist and lab operations manager, gave a drum scanner to the effort.

The collection contains many personal papers, maps, charts, correspondence and blueprints of Edwin A. Link (1904–1981), an inventor, aviator and industrialist. He invented the first successful flight simulator, the Link Trainer, and designed the Harbor Branch Oceanographic Institution's Johnson-Sea-Link class submersibles. "This gift will further Ed Link's legacy worldwide and for all time," said Florida Tech Dean of Libraries **Dr. Celine Lang**.

F.I.T. Aviation Earns FAA Diamond Award

The maintenance department of F.I.T. Aviation LLC has received the Certificate of Excellence Diamond Award from the Federal Aviation Administration. The award, made by the FAA Orlando Flight Standards District Office, recognizes organizations that participate in voluntary maintenance training.

The highest of five possible awards, the Diamond Certificate of Excellence Award for employers, goes to organizations with at least 25 percent of eligible employees participating in the award program. Four out of six eligible mechanics at F.I.T. Aviation took part by receiving the Bronze



Members of the F.I.T. Aviation team are, from left, Roger Sladek, Jim Ashbaugh, Dave Fuchs, Felix Fernandez, Rodney Kern and Hampton Lide.

Certificate of Excellence for aviation maintenance technicians.

F.I.T. Aviation technicians **Roger Sladek**, **Rodney Kern**, **Hampton Lide** and Manager **Dave Fuchs** received the Bronze Award.

Established in 1965, F.I.T. Aviation LLC is a wholly owned subsidiary of Florida Institute of Technology and an integral part of the College of Aeronautics. F.I.T. Aviation LLC supports the aviation program through flight training activities.



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in the news

Media Splash

Last fall, the Travel Channel caught up with **Dr. Lee Harris** in Thailand as he traveled the world overseeing Reef Ball[©] and other beach protection projects. The associate professor of ocean engineering joined a post-tsunami artificial reef project, using Reef Balls to restore coral reefs on Racha Island, south of Phuket. Before winging to the wave-ravaged area, Harris flew to Grand Cayman to aid environmental recovery from a direct hit by 2004's Category 5 Hurricane Ivan. He taught coral propagation and helped rescue a variety of target species of imperiled corals on the Western Caribbean island. Covering that work was a film crew shooting for BBC TV's "Jewel of the Caribbean" special.

Lagoon Lookout

Dr. John Windsor was among the experts quoted in an *Orlando Sentinel* story about the health of the Indian River Lagoon. The professor of oceanography and environmental science was also one of 10 in Brevard County named as "People to watch in 2006" by *Florida Today*. Windsor, who for 25 years has been in the forefront of work to save the lagoon from the toxic substances that affect it, was appointed to a newly formed multiagency task force spearheaded by the EPA's National Estuary Program. Its mission is to investigate aquatic animal health issues in the estuary. He led a symposium on the future of the Indian River Lagoon in March 2006 at Florida Tech.

Other items of interest

AOPA Flight Training referred to Florida Tech as a "mega school ... with outstanding resources." ... Florida Trend examined Florida Tech's impact on what the magazine called "the Research Coast." ... **Dr. Michael Slotkin**, of the College of Business, was quoted in the Orlando Sentinel about Florida's growing workforce ... **Dr. Robert Taylor**, of the College of Psychology and Liberal Arts, was quoted in the Palm Beach Post about Civil War veterans who migrated to Florida because of its balmy climate and reputation as a southernmost frontier.



College of Aeronautics to Soar Higher Thanks to \$1.5 Million Gift



Florida Tech's College of Aeronautics will be able to spread new wings thanks to a \$1.5 million gift from the Emil Buehler Trust. The gift will fund the new Emil Buehler

Center for

Education

and Research

at the Florida

Institute of

Technology.

The Buehler

Center will

consist of

a 12,000-

square-foot

square-foot

hangar,

located

main building

and a 14,000-

Aviation

"This new center will provide our aeronautics students with the strength of resources that our students in engineering and the sciences now take for granted."

> Anthony J. Catanese President

on eight acres on the south side of Melbourne International Airport. The center will replace the college's current airport facility.

Florida Tech **President Anthony J. Catanese** said the center will provide the university's College of Aeronautics faculty and students an excellent facility for teaching, learning and research.

"We're delighted that the Emil Buehler Trust has, in fact, placed its trust in us to build upon a strong tradition of educating our remarkable students in the College of Aeronautics," said Catanese. "This new center will provide our aeronautics students with the strength of resources that our students in engineering and the sciences now take for granted."

Site preparation for the new center will begin in the fall of 2006, and completion is estimated for the

spring of 2008. In addition to flight training, the building will house research centers in human factors and simulation research. The building will also house a fixed base operation, providing students with valuable handson opportunities in the growing aeronautics field. The building is expected to serve 275 students each semester.

"We expect this facility to provide valuable training and research space for the college," said College of Aeronautics Dean **Michael Karim**. "The support of the Emil Buehler Trust will strengthen our ability to recruit the best and brightest students, and help to further raise the university's profile within the aviation community."

Florida Tech's Senior Vice President for Advancement **Thomas G. Fox** said the Buehler gift was an important first step in realizing the university's vision for the College of Aeronautics.

"We are grateful to the Buehler Trust for their generosity," said Fox. "This gift is a wonderful starting point for our ongoing efforts to expand the College of Aeronautics' facilities and scholarship endowment."

The total cost of the facility is expected to reach \$2.5 million. Efforts are currently underway to secure the remaining necessary funding.

The Emil Buehler Trust was established in 1984 to perpetuate the memory of Emil Buehler and his commitment to aviation science and technology. During his lifetime, Buehler believed that the majesty and mystery of flight was a vision to be shared. This vision drives the continuing philanthropic involvement of the Buehler Trust.

Jay Wilson

Alumni and Friends Can Leave Lasting Impression Through Legacy Society Membership

When Linda Vopicka's husband, Ronald '68, passed away in 2001, she decided on two ways to honor his memory. To celebrate his sense of whimsy and love of sports cars, she refurbished his dream car, a 1967 Porsche 911 that had sat in their garage for 23 years waiting for the perfect time to be rebuilt. She gave the car to her son when it was finished. To preserve his legacy as an alumnus of Florida Institute of Technology, she made a pledge in her will to the university that he loved. Her gift to the Legacy Society honors his memory and will help future generations of students to strive and achieve in their lifetimes much as Ronald did in his.

Linda is not alone in her gift to the Legacy Society. Founded in 2004, the society has grown to nearly a dozen members who have pledged just under \$6 million to Florida Tech. **Dr. Thomas G. Fox**, senior vice president for advancement, said the actual number of alumni and friends who have remembered Florida Tech in their wills may be much higher.

"We know that the national average for alumni who give to their alma mater via a will bequest is 14 percent," said Fox. "Remarkably, 80 percent of those who leave a gift for their alma mater don't tell the institution."

If you plan on leaving a gift to your alma mater and wish to be noted as a member of the Legacy Society, please contact **Jay Wilson** at jowilson@fit.edu or call (321) 984-2974.



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Florida Tech Alumni Services and Benefits www.fit.edu/alumni

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Call (800) 922-1245 and mention the Florida Tech Alumni Association.

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◆ Alumni Endorsement Grant

Full-time undergraduate students are eligible for a \$1,000 grant, renewable for up to four years, when referred by a Florida Tech graduate.

Legacy Discount for Children of Alumni

Sons and daughters of Florida Tech graduates, enrolling in a full-time undergrad program at Florida Tech, are eligible for a 10% reduction in tuition.

Alumni Membership Application

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from the FTAA President

From the desk of Association President Jim Downey '74

As your new president, I'd first like to thank our immediate past president, **George Poidomani** '73, for his outstanding leadership of our association for the past two years. George will continue to support our alma mater as a member of our executive committee. I also want to welcome Vice President **Russ Ballagh** '74, Treasurer **Jim Thomas** '72 and Secretary **Alan Prestwood** '73, '80

M.B.A., to their leadership roles for the coming year. Along with an outstanding board of directors, we welcome the challenges that come before us.

For our online community members, we're introducing a survey concerning three programs important to the association. They are the alumni magazine, events and activities, and paid membership. We need your thoughts to make the association more responsive to your needs. Thank you, in advance, for your participation.

I hope you enjoy your alumni magazine as much as the university and alumni association enjoy bringing you news of the campus, alumni and faculty profiles, class notes and more. Two areas where we especially invite you to become more active are class notes and the "mailbag." I invite you to send in your comments and questions to the mailbag; and, when changes occur in your life, please let us know so that we can add this news to class notes to inform your class-mates. The class notes section is usually the first one read by alumni.

Fall Homecoming dates are Oct. 11–15. You should find travel and housing arrangements less expensive and more available now with Homecoming moved to the fall.

The association's annual paid membership campaign begins this May. To those that renew, thank you for your ongoing support. For those of you who have yet to join us, I hope you'll make this your "freshman" year as a paid member! Just fill out the application on the facing page and mail today. Monies from the campaign are used for associationsponsored programs for alumni and present students. As we've done with Homecoming, we will forego the expense of a direct mailing to you as the magazine will be your exclusive invitation to join.

Your alumni association is also promoting the Florida Tech license plates. Our Prowling Panther is becoming more familiar on Florida roads and its recognition continues to grow. Those of us who reside outside the Sunshine State cannot display this impressive plate so we're hoping that Floridian alumni take advantage of their residency and put our Panther on the road.

Finally, the association board of directors has met many strategic plan initiatives over time. Your monetary contributions and countless hours of alumni volunteerism continue to help the university meet its mission. From student recruitment, the alumni magazine, chapter development, campus events and road receptions, your association is dedicated to making our university better and your degree more valuable. Thank you to all who volunteer and congratulations for a job well-done.

Your alumni association continues to provide a link to the past and a strong foundation for the future.

LA-Long Beach Chapter Pumpkin Carvers

Members of the Los Angeles–Long Beach alumni chapter gather at the Dwyer-Pratt house in Oxnard for fall fun and a pumpkin party. From left: Larry Fluke '94 M.S.; Sara Dunsford '00; Cindy Dwyer Pratt '97; Bob Pratt '95, '97 M.S., '98 M.B.A.; and Deborah (Goss) Dogancay '99.



Fraternally Speaking

The fraternity and sorority community has recently wrapped up all of its recruitment events. More than 100 new members were welcomed into the community last fall and more than 50 were welcomed this spring. The Interfraternity Council voted to allow Alpha Tau Omega to expand in the spring. Expansion efforts are currently underway, and the founding members will be installed as a colony in February. We are happy to see the fraternity and sorority community growing on campus.

continued on page 13

Rollin' on the River

On a crisp evening in early November, more than 60 alumni and Galaxy Society members climbed aboard the M/V *Indian River Queen*, a triple-deck paddle wheel vessel docked in Cocoa. The boat trip, hosted by the alumni association and alumni board, took party-goers on a three-hour tour down the Indian River Lagoon for a night of dining, conversation and entertainment.



From left: Tina Turner impersonator entertains Francisco "Kiko" Picornell '84, '85, '87; Pat Picornell; and Jack Armul, vice president for financial affairs.



Alan '73, '80, and Katie Prestwood



Ken Droscher, executive director, alumni association, shares a joke with Penny Flaherty, owner of the Indian River Queen, and Ken Calcatera '72.



Travis Proctor '98 and Teresa Ho '95, '98 M.B.A.



Ken Revay '82 (left) chats with Larry Kenkel, husband of Dr. Mary Beth Kenkel, dean of the College of Psychology and Liberal Arts.

D.C. Reception Draws a Crowd

Some 45 alumni attended the February 7th alumni reception held at the Hyatt Regency-Capitol Hill in Washington, D.C. In his comments, **President Catanese** mentioned that the university is one of just five Florida schools selected in Barron's *Best Buys in College Education*. It is also named among America's best colleges in U.S. *News & World Report*.





First Award Recipient

One of Florida Tech's first African American students, Julius Montgomery, accepts the first Pioneer Award. Montgomery, an RCA colleague of Florida Tech founder, Dr. Jerome Keuper, took his name off Keuper's first list of potential students for the fledgling university because the school's initial meeting place was closed to African Americans. Montgomery later attended the university after it moved to another location. The award, to be made annually, will in future years be called the Julius Montgomery award. Here, Montgomery stands before a photo of university historian Dr. Gordon



Julius Montgomery

Patterson, who hosted the event in the Hartley Room.

Panthers vs. Cougars

It was the Florida Tech Panthers vs. the University of Houston Cougars in an exhibition basketball game last November. Even though the Panthers lost, alumni had a good time.



Panthers men's basketball coach Billy Mims gets to know Florida Tech alumni and their families at a pre-game dinner held at the Courtyard Houston Downtown. To Mims' left, around the table are Jim Barrett '88 and wife Robin, and Joey Mattison '05 with his father Scott Mattison.



Alumni, staff and the Panthers basketball team gather for a group photo. Seated on either side of Marsha Duncan, vice president for student affairs, are Coach Billy Mims and Robin Barrett. Top left is Bill Jurgens, athletics director; bottom left is Janet Price, director of athletics partnerships. continued from page 11

Fraternity Rush Statistics 2005–2006:

Chapter	Recruited
Alpha Tau Omega	25
Chi Phi	20
Lambda Chi Alpha	16
Pi Kappa Alpha	36
Pi Lambda Phi	15
Tau Kappa Epsilon	24
Theta Xi	7
TOTAL	143

Sorority Recruitment Statistics for Fall 2005:

Chapter	Recruited
Alpha Phi	10
Gamma Phi Beta	15
Phi Sigma Sigma	7
TOTAL	32

Fall events included **Mark Sterner**'s presentation, "DUI: A Powerful Lesson." Mark Sterner, a member of Tau Kappa Epsilon, has talked to over a million college and high school students telling his amazing and tragic story about the consequences of impaired driving. In 2004 and 2005, *Campus Activities Magazine* named him their Speaker of the Year. The entire campus was invited to the event and 506 students attended. The event was hosted by the Interfraternity Council, Panhellenic and the Athletics Department.

In October, Panhellenic hosted their annual Big Man on Campus fund-raiser. Participants competed in areas such as congeniality, interview, fund-raising, talent and appearance to earn the title of Big Man on the Florida Tech Campus. The competition challenged the participants to prove that they were man enough to wear pink. To add another twist, sorority women were matched with contestants to coach them to become true gentlemen. Jeff Megivern, a member of Pi Kappa Alpha, was crowned the Big Man on Campus. More than \$3,000 was raised to benefit the Susan B. Komen Breast Cancer Foundation.

In March, the fraternities and sororities competed in the annual Greek Week competition. Each chapter organized a week of fun and friendly competition.

Shaw and Denius Instrumental in University's Founding, Growth

PART II ...

George Shaw signed the founding university charter and was a charter member of the board of trustees, in time serving as chairman of the board. The full resources of Radiation Inc. were made available to the university, including fiscal support, equipment donations and tuition assistance. The visionary men who founded both the company and the college united in their support of each other.

Shaw says, "My home on Riverside Drive was used for parties for customers and visitors. My boat (a 53-foot yacht) parked in a slip behind my house was available for trips up and down the river. My wife, Mary, and Natalie Keuper prepared buffet dinners. I particularly remember one night when (famous rocket scientist Werner) Von Braun and my youngest son were building pipe bombs for a rocket in the garage."

Shaw also personally secured a \$200,000 loan to build the college's first library in 1965 after the Bartholomae family reneged on their pledge to build the library. Several local gifts later covered the library loan.

In 1967, when Shaw was 45 years old and **Homer Denius** was 53, the partners sold Radiation Inc. to Harris-Intertype. The company was destined to become the foundation for Harris Corporation's government systems and semiconductor businesses. The university has honored both Shaw and Denius many times. Buildings have been dedicated in their names, and each has received the most prestigious award of the university, the President's Medal. Shaw was recently honored with the Alumni Board's Lifetime Achievement Award.

Today, health problems prohibit Denius' continued involvement, but Shaw's support has never waned. He regularly attends board of trustees meetings and participates actively in major decisions of the university.

> Joan Bixby '75 M.S.

Fun Night at the Pier

The alumni association invited local alumni to a late November reception at the famous Cocoa Beach Pier. **President Anthony J. Catanese**, senior management team members and college deans were on hand to share the latest news about Florida Tech.

(below) President Catanese (second from left) converses with alumni from across the decades. From left: Vic Ross '90, Ken Calcatera '72 M.S., and Michelle Verkooy '04.



Enjoying a relaxing get-together are, from left, Vice President for Financial Affairs Jack Armul, Provost T. Dwayne McCay and Dr. Harry Weber, professor emeritus.





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Catharina Haynes '83

"Respect the person you're going to be-give that person a chance," advised Catharina Haynes '83.

That was Haynes' response when she was asked for the best advice she could give students who are attending Florida Tech today. She explained: "When you are making decisions about life at a young age, it will affect you down the road. Step back and envision yourself in the future, then ask, 'What will I think of myself?' I call that respecting your future self. Even now I apply it."

Haynes always seemed to know where she wanted to go and didn't waste time getting there. She graduated from Satellite High School at age 16, and graduated from Florida Tech three years later. She then attended Emory Law School in Atlanta where she earned a Juris Doctorate. She is now the 191st Civil District Court judge in Texas.

Her forward-thinking outlook began at an early age. "I decided I wanted to go into law when I was 10 years old because I was interested in the cause of justice-justice for all—and how I could be a part of that," she said. "When I was in the fifth grade, an attorney named Fran Jamieson spoke at our school. I

Florida Tech Alumna Builds Successful Career Following Her Own Advice

wrote her a letter and asked, 'What should I do to become a lawyer?' Six years later in high school Dad arranged for me to eat lunch with a friend of his, Judge Thomas Waddell, who brought a fellow judge with him. It was Fran Jamieson, who had become a judge in the meantime. She has passed away, but I wish I could have told her that I became a judge later. I always respected her."

Haynes also gets inspiration and support from another person in the law profession, her husband Craig Haynes, whom she married in 1988. "He is a successful attorney in his own right," she said.

After 12 years of practicing law, Haynes began her career as a State District Judge in 1999 and won reelection in 2002. She is running for re-election in November. "Being a judge is a tremendous way to serve the public in an interesting and challenging way," she said. Each case is as unique as the individuals involved in it. "You must remember you are a part of someone's life for that period of time. This is that person's day in court. It's my responsibility to see they have a fair and just resolution under the law."

Faculty in Florida Tech's School of Psychology also helped shape her career. Havnes, a psychology major, remembers Dr. Frank Webbe. "He was a great mentor-he was very helpful."

Haynes explained why she chose this major. "I majored in psychology knowing I was interested in going to law school." Psychology gave her insight into how people think and react. "Psychology helped me understand myself-psychology helps you in nearly every field. It gives you the

knowledge and understanding of people and acceptance of people."

The classroom was just one part of her education at Florida Tech. She said it was just as important to be involved in other aspects of campus life. Haynes was involved in cheerleading, the Gamma Phi Beta sorority and Inter-Varsity Christian Fellowship. "Some of this is more important than you think at the time," she said. "You meet a lot of different people-it shapes you as a person," she explained.

"Step back and Extracurricular activities are still a part of her life as a district judge. She volunteers for several organizations, such as Vickery Meadow Learning Center in Dallas, where she teaches Pre-GED to

adults for whom English is a second language. "It's a privilege to interact with these fine students," she said.

Teaching comes easy for her. You might say it's in her blood. Both parents and three grandparents are teachers. Her father, Dr. Pieter Dubbelday, was a faculty member at Florida Tech for 20 years.

Haynes also works with the Dallas Association of Young Lawyers, and recently received an excellence award from this group for her efforts. In February she received an Outstanding Achievement Award from the Florida Tech Alumni Association.

Why does she volunteer her time? "It's rewarding. I get back so much more than I give," Haynes said. "To whom much is given, much is expected."

Melinda Millsap

envision yourself in the future, then ask, 'What will I think of myself?""

Catharina Haynes '83

Have you ever worried about catching a virus? Of course you have, but I'm not referring to the kind that causes coughing, sneezing and missed work ...

PROTECT YOUR COMPUTER

Tips from computer scientist Dr. Richard Ford

I'm talking about a virus that infects your computer with similar results. It can make you nauseous, give you headaches, and cause all work to grind to a halt.

Unlike humans who can get vaccines once a year for the seasonal flu, computers must be constantly monitored and immunized because they can catch viruses all year long. Computers catch viruses, or malicious software (malware), in various forms. Malware can strike when you least expect it.

Protecting your computer is not a simple, one-shot deal. Although the immunization process is multifaceted, it is fairly easy to accomplish. Here are some steps you can take to keep your computer healthy.

Back up your files.

You need a safety net. "The best thing you can do is back up everything that is Back up on your computer your files -have a copy of all your software and files," Ford said. These copies should be on an external drive or other device that is separate from your computer.

Use antivirus software and be sure it is up to date.

Vaccines for computers come in the form of computer protection software. You're probably familiar



with names, such as Norton Antivirus™ or MacAfee VirusScan[®]. These are necessary and good, but they only go so far-like a flu shot that didn't target

the virus you just caught.

After new software comes out, it's just a matter of time before vulnerabilities are discovered and someone finds a way to exploit them.

So, it's not enough to simply have virus protection software installed, you have to ensure it is up to date. Install new patches and turn on automatic scanware to scan for problems.

It's also important to keep your operating system updated. For Microsoft[®] Windows[®] users, "the easiest way to update your virus protection is to turn on the auto update option in your software." Mac users aren't immune either. Malware can attack Macs. too. It can also attack your browser, so be sure to update both virus protection and system software.

Don't open an executable (.exe) file online or one that is sent via e-mail.

Virus protection doesn't protect your computer from everything that comes its way. Even if you have the

latest and greatest antivirus program, there's no excuse for running programs that come from untrusted sources.

Remember, when you run a program, it has all the rights you do.

Be careful about what you share.

Another warning: be careful when you share a computer, especially



with your children. If you do any banking or other financial transactions via your computer

and your child accidentally downloads malware, the security of your transactions could be compromised. "Children often use peer-to-peer software to share files with their friends," Ford said. "Be sure they are not downloading and sharing stuff on the same computer that you use.

You could be sharing your financial information."

Don't click on links in e-mail. Don't open e-mail attachments you weren't expecting.

Here are some other commonsense tips. Most people are aware they should never open an attach-



ment from someone they don't know. But, you should never open any attachment

you weren't expecting to receive -even if that attachment appears to be from someone you know. Some viruses use e-mails this way to infect computers of unsuspecting users.

Opening an e-mail link is just as dangerous. You'll often see the words, "Check this cool link." Don't do it. And, don't be lured to a Web site. This technique, called phishing, is commonly used to lure people to Web sites that could contain malware. Some of these e-mails will appear to come from a well-known company, such as a bank or eBay® to give you a false sense of security. The originator of the e-mail may be trying to steal your personal information, setting you up for identity theft.

Install a firewall if you don't have one already.

A lot of people use broadband connections, such as Road Runner[™]. This is an "always on" connection. "If

> vou use broadband, vou need to have a firewall protec-

Install a firewall

tion between you and the

outside world," Ford said. Some programs have these already builtin, such as Microsoft Windows XP, or you can get third-party firewall software.

Melinda L. Millsap



Ken Ammon '75 and Tommy Strowd '76

ALUMNI LEAD THE CHARGE TO RESTORE AMERICA'S EVERGLADES



Tommy Strowd '76 (left) and Ken Ammon '75 started their environmental education in oceanographic technology.

One of the nation's most significant environmental initiatives—restoration of the Everglades—is under the day-to-day direction of two capable and experienced *Florida Institute of Technology graduates.*

Ken Ammon '75 and Tommy Strowd '76 oversee implementation of the Comprehensive Everglades Restoration Plan (known as CERP), an \$8 billion program authorized by Congress in 2000. As executives at the South Florida Water Management District, the lead Florida agency in the state-federal CERP partnership, Ammon, a deputy executive director, and Strowd, assistant deputy, direct the work of more than 400 engineers, hydrologists, land use planners and biologists-as well as dozens of contracted firms-in this monumental restoration effort.

And monumental it is. Everglades wetlands once covered most of South Florida, with seasonal rains flooding thousands of square miles with barely a foot of water. Then less than a century ago, regional drainage canals turned what was viewed

> as "useless swampland" into usable real estate. Add to that the improved access by railroad and highway, the invention of air conditioning and affordable automobiles plus a thirst for economic growth, and you soon have 8 million people living and working in what was once a virtually uninhabited part of the United States.

> That broad perspective is ever-present in the minds of restoration managers. "History has made some decisions that we can't reverse," explained Ammon. He cites extensive development west of Ft. Lauderdale, where Everglades wetlands once stretched for miles, as one

example. And the fact that the Everglades are now half their original size. "But we can make it better," Strowd added.

continued on page 20



The Everglades is a nationally significant and unique natural resource. Restoration will improve the quantity and timing of water moving through this vast wetland, allowing recovery of plant and animal communities that were affected by drainage efforts in the last century.





(left) The presence of wading birds, like this tricolored heron, are indicators of a healthy wetland. (above) It's not South Florida without an alligator or two. This large individual was photographed in Everglades National Park.

South Florida, at a rate of almost 600 a day. Their need for homes and schools and jobs—and water will keep district water managers busy for many decades to come.

Eye on the Ball

These concerns, while important, are secondary to Ammon and Strowd. Their job is to implement CERP, which includes overseeing all land acquisitions (\$1 billion and counting), development of computer modeling on regional hydrology plus the planning, design and construction of numerous resto-

ration projects. It's a big job.

And it recently got bigger. CERP was originally designed as a broad, 30-year initiative that would move forward at a steady pace. But in the past few years, South Florida's rising land values, rapidly increasing population and continued pressure for development raised concerns about the original timeline. In October 2004, eight key CERP projects were fast-tracked by Governor Jeb Bush and funded entirely by the state so that benefits could be realized as soon as possible. Nicknamed Acceler8, these projects include reservoirs, stormwater treatment areas and conveyance canals that will provide significant progress toward getting the water right.

Ammon and Strowd together bring almost 70 years of experience to their leadership roles in this effort. Amazingly, neither one has strayed far from where they first began studying the South Florida environment: at Florida Institute of Technology's Jensen Beach campus, each working on an undergraduate major in oceanographic technology.

They recall studying physics, biology, chemistry and other basic courses but admiringly describe the university's approach: teaching these subjects using

All About the Water

"Making it better" means undoing some of the impacts of regional drainage, without flooding the southern third of the state. Everglades restoration requires capturing large amounts of seasonal rainfall, storing it if needed and then sending it into natu-

ral areas, such as Everglades National Park or one of three vast Water Conservation Areas north of the park. The goal is to better match the original, wetand dry-season flows through these vast wetlands, both in quantity and timing. "Getting the water right" is how it is often described.

Recovery of the ecosystem is expected to follow, and plant and animal communities are being closely monitored for signs of improvement. Early indications are encouraging. For example,

the number of wading bird nests,

a significant measure of wetland health, is slowly increasing.

But challenges remain, and ecosystem-wide improvements take time. Invasive, non-native plant species have altered the ecology of many natural areas. Water quality issues, particularly the presence of nutrients in stormwater runoff from agricultural fields and urban lawns, threaten to upset the naturally low-nutrient environment of this 3,500-squaremile marsh. And of course people keep moving to

"I remember testing salinity in 1974 in the Indian River Lagoon," describing what has recently become a highly contentious public concern about salinity levels in this fragile estuary.

Ken Ammon '75

real-world applications with plenty of hands-on work. "I remember testing salinity in 1974 in the Indian River Lagoon," said Ammon, describing what has recently become a highly contentious public concern about salinity levels in this fragile estuary. The testing, now done on an extensive scale by professional scientists, has become an important part of monitoring the lagoon's health.

Ammon and Strowd also reminisced about Martin County in the 1970s, when there were few people and even fewer resorts, homes and businesses—or diversions for college students. "There was nothing going west along Jensen Beach Boulevard," Strowd said, describing a 3-mile county road now lined with shopping centers and residential developments, "until you got to Route 1, where the Treasure Coast Mall is today. There was just a little wooden liquor store there."

"On the west side of the road," added Ammon. Strowd nods.

An Effective Partnership

A good memory and eye for detail have served both of them well. Each day brings demands for their attention to issues ranging from technical design of water storage reservoirs and construction of pump stations to public workshops and policy discussions with government officials.

In his role as deputy executive director, Ammon, a licensed professional engineer, handles many of the overview issues, including dialogue with the White House's Council on Environmental Quality, the U.S. Army Corps of Engineers and other federal and state agencies. Strowd, also a P.E., is his second in command and is instrumental in keeping the many projects and all their details on track.

Their teamwork stretches back almost 30 years. In 1979, Strowd joined the engineering firm of Gee and Jenson, where his fellow alumnus was employed. Had they met before? Ammon shakes his head no.

"I knew who Ken was for two reasons," said Strowd immediately. "He was a year or two ahead of me at FIT and was known for his senior thesis project that actually had funding. He and two classmates had received a grant from some corporation. They had a lab and everything. We were incredibly impressed.

"The other reason was that he had worked every problem in this big, thick calculus book we had. Whenever any of us challenged an answer or complained to the teacher about an impossible problem, he would pull out a thick folder and show us exactly how it was done. The work was all Ken's." Silently, Ammon gets up, walks over to a bookshelf near his desk and brings back a very battered textbook. Sure enough, it's *Calculus and Analytic Geometry*, 4th edition, by George B. Thomas, Jr., copyright 1969. The spine is broken, and the cover is filthy. Strowd laughs, "That's it! That's the book."

So it should come as no surprise that these two grads are entrusted with implementing a complex, \$8 billion environmental restoration program. Their teamwork, upbeat attitude, professionalism and focus on success are easy to recognize. They think big but get the details right. It's an impressive combination.

> Barbara Ross Senior Writer, South Florida Water Management District

> > All photos courtesy SFWMD –Patrick Lynch, photographer



Florida Tech TODAY 21

Faculty Profile

Carolyn Fausnaugh: Bridging the Boundaries Between Education and Entrepreneurship

Dr. Carolyn Fausnaugh tackles life with an enthusiasm and determination that would make Oprah Winfrey seem ordinary. In her late 40s, after years of success as a CPA with her own firm, Fausnaugh traded her briefcase for a backpack and headed to the University of Georgia to earn her Ph.D. in strategic management with an emphasis in entrepreneurship.

"My goal when I sold my business, and went back to school to become a college professor, was to be academically qualified and embedded in academia," she says, "but also able to communicate with and be respected by the business world because of my many years there."

Through this mix of expertise and experience, she hoped to bridge the boundaries between education and entrepreneurship. And Florida Tech, nestled on the coast of the sunshine state, seemed like the perfect locale to embark on her second career.

After years in the high stakes field of corporate finance in Delaware, she expected academia to be a welcome respite from a high stress environment.

"I had an erroneous impression of academia," she laughs. "The legal stakes are not as high, but all the other pressures are just as great."

Fausnaugh addresses her teaching with a professional vigor characteristic of a corporate mind. She teaches many courses in entrepreneurship at both the undergraduate and graduate level. She also develops her own curriculum and pounds the pavement to combine the local business community and the classroom.

In her first entrepreneurship course in 1995–'96, she welcomed members of the business community to learn small business management alongside undergraduate students. Today, local entrepreneurs still



Carolyn Fausnaugh, second from left, observes the interaction with her students and guest panelists as they critique a business plan.

participate in her classes as guest lecturers and panelists who critique students' business plans. (During one particular course offered to both graduates and undergrads, students identify an opportunity, and then develop a plan to initiate that business.)

Formatting the class in this way requires its due diligence of Fausnaugh.

"As our economy changes and the mix of students taking the course broadens, it means there is a lot of prep work I have to do. I have to really keep on my toes, and keep learning and finding resources about emerging industries that have not previously existed," she explains.

Hand-in-hand with this challenge is identifying relevant experts in the community to serve as panelists. Fausnaugh is continually cultivating a vast network of contacts, while also encouraging students to sow their own networks through activities such as attending local business meetings.

From successfully presenting their business plans to actually securing funding from contacts they've met in the classroom to ultimately launching their ventures, Fausnaugh's students have achieved a spectrum of successes, while providing her with the greatest sense of satisfaction.

Quite a feat when you consider this is a woman who participated in the 1980 White House conference on small business, fearlessly embarked on a second career just shy of her 50th birthday and has taught entrepreneurship in Australia and Singapore.

Her commitment to lifelong learning is as impressive as her list of accomplishments. She is currently researching the role of intellectual assets and intellectual property in our economy. Through this work, she hopes to expand her knowledge base and network, incorporate new information into her curriculum and possibly publish her findings.

When she finally curls up at home at the end of a long day, Fausnaugh faithfully works on another project—crocheting afghans. Her goal: to present one to each of her six grandchildren, ranging in age from 8 to 17, when they leave their parents' homes and venture out into the world.

If they have an ounce of their grandmother's entrepreneurial spirit, they're sure to do well.

Christena Callahan

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Thirty-seven years later... a remembrance of time spent a world away

Sitting at my computer on a Wednesday evening last August, I received an invitation to attend the decommissioning of the naval ship USS Camden (AOE-2), a Sacramento class fast combat support ship, my home for several years. I attended the ceremony on Sept. 29. This was 37 years after I first boarded the Camden in Bremerton, Wash. It was a very moving experience and brought back many memories.

In 1967, I enlisted in the United States Navy. This was also the year the Beatles released their album "Sgt. Pepper's Lonely Hearts Club Band"; Mariner 5 was launched toward Venus; Jim Morrison and The Doors defied CBS censors on "The Ed Sullivan Show"; and NASA launched a Saturn V rocket carrying the unmanned Apollo 4 test spacecraft from Cape Kennedy. Shortly before graduating from Newton High School in Iowa in June, I made the decision to enlist, and on Oct. 23 I was off to boot camp. The decisions seemed to now become easier with the Navy recruiter in Des Moines, Iowa, asking me, "You can go to the Great Lakes area or San Diego for basic training. Which will it be?" Hmm, let's see, I think you know what my answer was.

Those were tumultuous times with an unpopular war raging in Southeast Asia; violent anti-war protests erupting around the country; heavyweight boxer Muhammad Ali refused military service (along with thousands of others); Syria mobilized against Israel; there was racial unrest; and Apollo 1 astronauts Gus Grissom, Edward White and Roger Chaffee were killed when fire erupted in their spacecraft during a test on the launch pad. But I've always believed that good begets good, and there were many good if not great events that



(circa 1969) F.M. Ham, GMG-3, off the coast of Vietnam on board the USS Camden (AOE-2), pictured below right.

(Sept. 29, 2005) F.M. Ham on board the Camden (also pictured below left) after the decommissioning ceremony.



continued on page 26



(Sept. 29, 2005) After decommissioning ceremony of the Camden, on the bridge of the ship. From left: Edward Kalupa, Lt. USN, Operations Officer '68–'71; F.M. Ham, GMG-2 USN, Weapons Division '68–'71; William Russell, Capt. USN, fourth skipper of the Camden, '70–'71.

continued from page 25

took place that year. On March 31 President Lyndon Johnson signed the Consular Treaty banning weapons in outer space; on April 9 the first Boeing 737 series 100 aircraft took its maiden flight; on April 20 the Surveyor 3 probe landed on the Moon; on April

Dr. Ham is currently President Elect (2006) of the International Neural Network Society (INNS). The membership of the society elected him to a two-year term for 2007-2008—the first president of the society to have a two-year term.

He has also been an associate editor of the *IEEE Transactions on Neural Networks* since 2001. 28 Expo '67 opened in Montreal; on Oct. 2 Thurgood Marshall was sworn in as the first black justice of the U.S. Supreme Court; and on Dec. 19 Professor John A. Wheeler used the term "Black Hole" for the first time.

But for me, 1967 marked the year that would change the course of my life and point me in the direction of engineering. The Navy did that for me, and to this day I am grateful.

After completing basic training in San Diego, I received my orders to report to the USS *Camden* (AOE-2) on Jan. 18, 1968, in Bremerton, Wash. The day I reported (circa 1968) Underway replenishment (it's market time) off the coast of North Vietnam. USS Camden (AOE-2) in the middle, USS RANGER (CVA-61) on the right.

aboard (a rainy day in the Seattle area, how about that?), I walked along the pier toward this massive gray monster of a ship, and little did I know but the *Camden*, the "Powerful Pachyderm of the Pacific Fleet" as it is known, would be my home for the next 44 months.

I served three tours of duty off the coast of Vietnam (north and south) on board the *Camden*, including Vietnamese Counteroffensives–Phases V, VI and VII. Each year I steadily progressed in rank; in 1970 I was promoted to Gunner's Mate (Guns) second class (GMG-2) petty officer. After two years of duty on the *Camden*, I was given the choice to stay on board until the end of my enlistment or accept duty as the skipper of a Patrol Boat for Rivers (PBR). Again, this was another easy decision.

My main duty on board this ocean-going supply depot, with almost everything imaginable on board, was the maintenance and operation of an elaborate missile transfer system termed the F.A.S.T. (Fast Automatic Shuttle Transfer) system. The system allowed us to quickly transfer large missiles to ships that came alongside us while we were underway. Being responsible for four stations, two forward and two aft, I was constantly busy with maintenance and repairs that involved everything from replacing hydraulic lines to troubleshooting problems associated with the electrical system. This is when I truly became interested in engineering. I wanted to know how everything worked. I knew I had a lot to learn and couldn't wait to be discharged and attend college.

On Aug. 23, 1971, I saluted the officer on the quarter deck of the *Camden*, requested permission to go ashore for the last time, walked down the pier where the *Camden* was moored in Long Beach, Calif. (the ship's homeport), and loaded everything I owned into my new Datsun pickup truck. I looked back once more at the massive gray monster of a ship that was my home for nearly four years and never regretted for a minute serving on board.

Fred Ham

Dr. Ham is the Harris Professor for Electrical Engineering in the College of Engineering and is starting his 18th year at the university.

Fulbright Scholars: Immersed in the Academic Melting Pot

They are bright and accomplished. They seek academic growth and success as well as cultural enrichment. They are Florida Tech's prestigious Fulbright scholarship students. Four



Fernando Jaeger Soares

currently study toward

master's or doctoral degrees and one, from Palestine. earned a master's last December.

Florida Tech, with an international graduate student population of over 12 percent and five percent faculty from abroad, enjoys worldwide fame as a melting pot university. Its ethnic student mix from

> 102 countries is attractive to international scholars seeking advanced degrees. Faculty presence at conferences worldwide helps spread the word that Florida Tech also has much to offer academically.

Dr. Thomas Marcinkowski, of the department of science and math education, helped Brazilian student Fernando

Sami Almalfouh

Jaeger Soares during his master's studies in Brazil. In 2005, Soares came to Florida Tech, his first choice for a doctoral program. "The key reason I'm

here is because of my working relationship with my adviser, Dr. Marcinkowski," said Soares. "With him I can pursue my interest in environmental



Johannes Nangolo

literacy—a new concept in Brazil.

"Where I come from people tend to believe that higher education is better in this country and, in many ways, I agree. The best part of study here is the autonomy. They trust in your potential and provide you with resources."

Married, with two small children, Soares calls it "very easy to meet people from different backgrounds and countries at Florida Tech. You won't find that in Brazilian universities."

Tamas Kasza, a 29-year-old computer engineering doctoral student from Budapest, is high on the United States-and Florida Tech. Though he admits to a first-choice of MIT, but missed its application

deadline, Florida Tech was his second, enthusiastic choice. "I love to be here," he said.

Ebullient and emphatic in gesture, Kasza gains momentum as he speaks. "It's a life experience to be here-not just studying. I cannot compare living here to anything else. I am a very positive ambassador of the United States."

Johannes Nangolo still faces culture shock in his first foray outside of Namibia. After searching the

Internet, his first choice was Florida Tech to pursue a master's degree in computer science, specializing in bioinformatics.

"Everything and everybody was new to me," said the reserved 25-year-old. He finds his adviser,



Tamas Kasza



Dr. Ryan Stansifer, "easy to talk to" and enjoys networking classes with Dr. Gerald Marin and cryptography with Dr. MariusSilaghi. Like the rest of the Fulbright schol-

ars, Nangolo signed an agreement to return to share his knowledge in his native country for the number of years spent in the Fulbright program.

Palestinian **Sami Almalfouh**, who earned a Florida Tech master's degree in electrical engineering as a Fulbright scholar in December 2005, is taking a break before starting a doctoral program, working for a wireless communication company in Atlanta.

"As an undergraduate, I met Florida Tech faculty at many scientific conferences. It is known as an international university," said Almalfouh.

Pakistani **Zeeshan ul-hassan Usmani** was so transformed by his Florida Tech and United States experience, that he wrote a book, USA: My Fulbright Experience. From a village with no two-lane roads, where transportation is by horse-carriage and hauling is by donkeys, his culture shock was most profound.

The computer science master's degree candidate adapted to differing foods, meal times, blessings and "sexy" TV shows. His view of the United States and its citizens has evolved from "Land of prejudice, nudity and drunken people" to "Land of justice and rules" to what he now calls, "Land of justice, peace, friendship, love, understanding, freedom and opportunity."



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The worst about American culture, Usmani finds, is the family system and family values. Fellow resident of the Middle East Almalfouh shares this perception. Both, from large families, appreciate the closeness of the extended family in their own countries.

When he graduates, he will return home to share his academic and cultural experience.

"I will go to educate my people and improve their view of the U.S.A. I will teach them the lessons of understanding and mutual benefit that I am learning from my Fulbright experience. Thank you, Americans. Thank you, Fulbright."

Karen Rhine

The Fulbright Program awards approximately 6,000 new grants annually. Sponsored by the Bureau of Educational and Cultural Affairs of the U.S. Department of State, the program was funded in fiscal year 2005 by a Congressional appropriation of \$144.5 million. To find out more about the three types of Fulbright grants: Students, Scholars and Professionals, and Teachers and Administrators, visit: http:// exchanges.state.gov/education/fulbright

FEATURE UPDATE

Faculty Fulbright Returns to the Philippines

Florida Tech will reach its own "hands across the waters" in fall 2006 when **Dr. Ralph Turingan**, associate professor of biological sciences, spends a year in the Philippines teaching a marine fish biology course through the Fulbright Program.

"Fisheries are a major source of livelihood for the citizens of the Philippines," said Turingan, who was born there. "Filipino citizens engaged in fisheries and agriculture are among the poorest in the nation because production is remarkably low. I want to contribute by helping to advance marine fisheries education."

Turingan joins Florida Tech Fulbright professors who have traveled to such countries as Zimbabwe and Costa Rica in recent years. His department head, **Dr. Gary Wells**, calls the Fulbright Program "probably the single most prestigious recognition for a university professor."

College of Engineering

Dr. Charles Bostater presented "Remote Sensing Systems and Sensor Motion Control— Converging Technologies" at the Third Forum on Sustainable Technological Development in a Globalizing World, held in Budapest.

"On the Learning of Useful System Call Attributes for Host-based Anomaly Detection," by **Dr. Philip Chan** and doctoral student **Gaurav Tandon**, will be published in the International Journal on Artificial Intelligence Tools.

Dr. Richard Ford was a panelist and presenter at the Annual Computer Security Applications Conference in Tucson, Ariz. Ford collaborated with **Dr. Mark Bush**, College of Science, to write the paper he presented at the conference: "Internet Disturbance: Goal or Menace."

Dr. Fredric Ham, Harris Professor, was a guest editor of a special issue of *Neural Networks*, the official journal of the International, European and Japanese Neural Network Societies. Ham is the Florida Tech representative to the Infrasound Consortium for Applied Research.

Dr. Lee Harris was appointed to a third year as a member of the Tourist Development Council Beach Committee of Brevard County.

Dr. Gerald Marin had his paper on network security basics published in *IEEE Security* & *Privacy*, 2005.

Dr. Ronaldo Menezes presented "The Fading Concept in Tuple-space Systems" at the 2006 ACM Symposium on Applied Computing in Dijon, France.

College of Psychology and Liberal Arts

Dr. Juanita Baker presented "Therapeutic Techniques Encouraging Full Disclosure for Children and Teens Who Have Been Sexually Abused" at a training workshop for Children's Medical Services in Tampa, Fla.

Dr. Joshua Duntley wrote "Adaptations to Dangers from Other Humans" for *The Handbook of Evolutionary Psychology*.

Dr. Radhika Krishnamurthy's paper, "Review of the Personality Inventory for Children, Second Edition," was published in *The Sixteenth Mental Measurements Yearbook.*

Dr. Jose Martinez-Diaz was elected as a full member of the Florida Behavior Analysis Peer Review Committee.

Dr. Matthew Normand's paper on "The Effects of a High-Probability Command Sequence and Response-Independent Reinforcer Delivery on Child Compliance" will be published in the *Journal of Applied Behavior Analysis*.

Dr. Erin Richard's "Are Emotional Display Rules Formal Job Requirements?" was accepted for publication in the *Journal of Occupational and Organizational Psychology*.

Dr. Lisa Steelman, with **Dr. Teri Domagalski**, College of Business, published "The Impact of Work Events and Disposition on the Experience and Expression of Employee Anger" in *Organizational Analysis*.

A book review by **Dr. Robert Taylor** was published on the online Civil War site, H-CivWar. He reviewed *The Nature of Sacrifice: A Biography of Charles Russell Lowell, Jr.*

Dr. Frank Webbe earned Fellow status in the American Psychological Association's Division of Exercise and Sport Psychology. Only about two to three percent of members have Fellow status in this division.

Dr. David Wilder and graduate students **Julie Atwell** and **Byron Wine** had a manuscript accepted for publication in the *Journal of Applied Behavior Analysis*. The manuscript describes a study that the group conducted on the effects of varying levels of treatment integrity in the context of a common behavioral intervention for noncompliance in children.

College of Science

Dean Gordon L. Nelson presented "Ferrocene Containing Copolymers with Improved Electrostatic Dissipation Properties for Advanced Applications" at the 8th Polymers for Advanced Technologies International Symposium, held in Budapest.

Dr. Mark Bush published "Of Orogeny, Phylogeny, Precipitation and Parrots" in the *Journal of Biogeography*.

Dr. Junda Lin, with research associate **Dong Zhang**, had a paper on mate recognition in a simultaneous hermaphroditic shrimp accepted for publication in *Animal Behavior*.

At the Third Forum on Sustainable Technological Development in a Globalizing World, held in Budapest, **Dr. Virender Sharma** presented "The Convergence of New Technologies to Improve Water Quality."

Dr. Ralph Turingan published a paper on the implications for rearing marine fishes in *Copepods in Aquaculture*.

Dr. Robert van Woesik published "Assessing the Effects of Non-point Source Pollution on American Samoa's Coral Reef Communities" in *Environmental Monitoring and Assessment*.

Dr. Matt Wood, undergraduate student **Josh Dolence** and **James C. Simpson** '95 had their paper, "FITDisk: A Cataclysmic Variable Accretion Disk Demonstration Tool," accepted for publication in *Publications* of the Astronomical Society of the Pacific, March 2006.

College of Business

"Effectively Integrating Technology in a Business School Curriculum" by **Dr. Judith Barlow**, **Dr. Barbara Pierce**, **Dr. Deborah Carstens** and **Dean David Steele** was presented at the International Conference on Industry, Engineering and Management Systems in Cocoa Beach, Fla. Carstens and Barlow also served as session chairs at the conference.

Dr. LuAnn Bean and **Dr. David Hott** had a paper accepted for publication in the journal, *Internal Auditing*. The paper is titled "An Internal Audit Focus on Privacy Policies."

Dr. Deborah Carstens was principal investigator on a study funded by the East Central Healthcare Forum. The study, now completed, was titled "Baker/Marchman Act Error Analysis."

"Interactive Direct Marketing" by **Dr. B. Andrew Cudmore** and **Dr. John R. Patton** was presented at the International Conference on Industry, Engineering and Management Systems in Cocoa Beach, Fla.

Dr. Theresa Domagalski completed three book chapters to be published in books this summer. Among them is "Emotions, Violence and Counterproductive Work Behavior" to be published in *Handbook of Workplace Violence*.

Dr. Roger Manley, with co-author **Dr. Wade Shaw**, College of Engineering, presented "Project Partnering: A Medium for Private and Public Sector Collaboration" at the Sixth Annual International Academy of Business and Public Administration Disciplines, held in Orlando, Fla. The paper was published in the conference proceedings.

College of Aeronautics

Dr. Mike Barker and **Bill Graves** wrote the chapter "Airport Planning and Design" published in *McGraw-Hills' Handbook of Transportation Engineering*.

Dr. Nathaniel Villaire was selected as an Associate Fellow of the Aerospace Medical Association. An active member of the association for 35 years, Villaire has made several technical presentations on crash site hazards and aviation safety at the association's annual meetings. He is currently a member of the association's nationally recognized Aviation Safety Committee.

University College

Dean Clifford Bragdon was appointed to the International Society of Logistics (SOLE) board of advisors.

At the Patuxent River, Md., center, **Dr. David Mutschler** presented the paper "Language Based Simulation, Flexibility, and Development Speed in the Joint Integrated Mission Model" at the Winter Simulation Conference in Orlando, Fla. **Dr. Alan Breitler** presented a paper on "System Reliability Prediction— Towards a General Approach Using a Neural Network" at the U.S. Air Force T&E Days Conference held by the American Institute of Aeronautics and Astronautics in Reston, Va.

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Sports Hall of Fame Inductees Announced

Four former student-athletes made up the Florida Tech Hall of Fame Class of 2005, joining the 33 previously inducted members. The new honorees represent three different sports and two different decades, and include two teammates from a National Championship team. The 2005 inductees are Bino Campanini (men's soccer, 1986-1989), Tom Finney (baseball, 1988-1991), Dylan Lewis (men's soccer, 1988-1991) and Sanja Radenkovic (women's basketball, 1994-1998).

Florida Tech Sports Hall of Fame election is conducted every two years. The Florida Tech Sports Hall of Fame was founded to honor those individuals who have made outstanding contributions to Florida Tech Athletics. Its purpose is to perpetuate the memory of those athletes who have brought distinction, honor and excellence to Florida Tech in athletics.

In the Florida Tech men's soccer program, **Bino Campanini** is one of the most memorable athletes to adorn the crimson and gray. He is ranked among the top 10 all-time players in the Panther record book. A native of Jersey in the Channel Islands of Great Britain, Campanini arrived in the United States in the fall of 1986 with the help of head coach **Rick Stottler** and assistant coach **Giles Malone**, who became accustomed to recruiting overseas, especially in the United Kingdom.

During his playing tenure, Campanini helped lead his team to three consecutive NCAA postseason appearances and two Sunshine State Championships (SSC) in 1988 and 1989. He also took All-SSC honors in three seasons. Campanini was also the only Panther to win national championships as both a coach and player. After finishing his eligibility, he stayed on for three seasons as an assistant coach with Florida Tech winning the national championship once again in 1991.

In 2005, Campanini was appointed to the Florida Tech board of trustees and the Florida Tech College of Business Board of Overseers. Campanini is the CEO of Stottler, Stagg & Associates Architects Engineers Planners, Inc. He and his wife Trish have three children, Isabella, 11; Luca, 7; and Carlo, 5, and they reside in Merritt Island, Fla.



From left: Tom Finney, baseball; Dylan Lewis, men's soccer; Sanja Radenkovic, women's basketball; Bino Campanini, men's soccer; President Catanese

Tom Finney is one of the best hurlers to have worn the crimson and gray for Florida Tech. Finney started his career with the Panthers in 1988 under the tutelage of head coach **Les Hall**. Finney was a local stand-out pitching recruit from Merritt Island.

For his career, he accumulated 352 strikeouts, appearing in 70 games with 39 starting nods. Finney managed a 3.46 ERA with a winning record of 29-17, closing 25 games over four years as a Panther. For this, he holds the single season strikeout record, single season win-loss record, career strike-out record and career win-loss record for Tech. In the SSC, he ranks fifth all time in strikeouts and 10th in career wins.

Finney is one of only two Panthers who were named to the Sunshine State Conference Silver Anniversary team in 2002. After his collegiate career, he signed as a free agent with the New York Mets organization and played for one season.

Finney is currently an English teacher at his alma mater, Merritt Island High School, and has coached golf, tennis and baseball for the Mustangs. He and his wife DeeDee reside in Rockledge, Fla.

The only Florida Tech men's soccer player to have his number retired (3) is **Dylan Lewis**. He was also the only Panther player to contribute on the field to Florida Tech's 1988 and 1991 NCAA Division II national championship teams.

Originally from Wales, he literally went in with a title and out with a title. Florida Tech claimed the Sunshine State Conference championship each year Lewis was on the team from 1988–'91. He garnered All-American honors in 1991, All-South Region accolades in 1991, All-State FISCA honors in 1990–'91 and All-SSC recognition in 1989–'91.

He graduated with honors in applied mathematics in 1991 and went on to play professionally for the Orlando Lions. Lewis was a member of the 2003 SSC Silver Anniversary men's soccer team and was recently inducted into SSC Hall of Fame, class of 2005–'06. He is now teaching and coaching soccer in Vero Beach where his family

resides. Dylan and his wife Meeghan have three sons, Jyoti, 7, and twins Owen and Bryn, 3.

In 1994, head coach **John Reynolds** recruited an overseas basketball player from Belgrade, Yugoslavia. **Sanja Radenkovic** was a member of the 1993 Yugoslavia Junior National Team. She is described as one of the finest players in the history of the Florida Tech women's basketball program. Radenkovic had the ability to make everyone around her better on the court.

For her career she totaled 2,136 points and 20.5 points per game average. Radenkovic still reigns as the all-time leading scorer for both Florida Tech and the Sunshine State Conference. She is first at Florida Tech and second in the conference for career field goals made, second at Tech and fifth in the SSC for career free throws made, and second at Florida Tech and ninth in the SSC for career rebounds.

Radenkovic finished her four years at Florida Tech making the dean's list every semester and graduating with honors in business administration. From 2001–2004 she served as the activities coordinator at Ritz Carlton Hotel, Palm Beach, Florida, and was named Employee of the Year in 2003–2004. She transferred last year and became the spa concierge at The Ritz Carlton on South Beach in Miami. She is currently working for the Ritz Carlton in Colorado.

Christa Parulis-Kaye

Class Notes

1973

Mike Clancy is technical and scientific director of the U.S. Navy's Fleet Numerical Meteorology and Oceanography Center (FNMOC) in Monterey, Calif.

1977

Jack Collins, M.S., was named Georgia's history teacher of the year by the Gilder Lehrman Institute of American History and Preserve America. He teaches social studies at Stockbridge High School.

Karyn (Unbehaun) Erickson is the first woman recipient of the John G. Moffatt-Frank E. Nichol Harbor and Coastal Engineering Award. She is honored for her outstanding contributions to the advancement and practice of coastal engineering. Presently, she works with local government in developing environmental standards and a permitting process for coastal development projects.

1978

Mark Williams is a senior environmental scientist with EDAW, Inc. in San Diego, Calif., where he has resided since 1979. Mark has worked as an environmental consultant for 27 years.

Robert Kirschke works as a captain for NextFlight Aviation in Virginia, flying a Falcon 900 EX EASY. He would enjoy hearing from former classmates at bob@krischke.us.

1979

Scott Bergeron, M.S., M.B.A., Colonel U.S. Army (Retired) has joined the Project Team that leads efforts to add armor protection to the truck fleet driven by our civilian contractors. He is consultant to the team that operates in Kuwait and Iraq.

1980

Douglas Penner, M.S., is vice president and chief financial officer at Panasonic Avionics Corporation in Bothell, Wash. The company is the world's leading provider of in-flight entertainment systems.

1981

David Holmgren is a pilot for Delta Airlines in Atlanta, Ga. Former classmates from College of Aero can reach him at majurpain@yahoo.com.

1983

Carolyn (Kinebrew) Bosa and husband Julio Bosa Jr. became parents to Reuben Nicholas in September 2005. Julio is a detention enforcement officer for the Dept. of Homeland Security, and Carolyn is a stay-athome mom. The family lives in Jersey City, N.J.

1986

Michael Sole was appointed by the Florida Department of Environmental Protection as DEP's secretary for regulatory programs and energy. He held several positions within the DEP during his 14 years prior to this advancement.

1987

Marisa (Correll) Hueckel and husband John welcomed their fourth child in October 2005. She is an adjunct math instructor at Brevard Community College, and John is a launch site integration manager for NASA's expendable launch vehicles. The family resides in the Melbourne, Fla., area.

1989

Scott Meit, Psy.D., is professor and director of Behavioral Science Education at West Virginia University School of Medicine, Dept. of Family Medicine in Morgantown, W. Va.

1991

Merri Cartwright married David DeSchuiteneer in October 2005. The couple lives in Yarmouth, Me., where David serves as the security training officer and self-defense instructor at Bowdoin College, and Merri is the resident fishery biologist at the Portland office of NOAA Fisheries Service. Her e-mail is mcartwright3@juno.com.

1994

Brian Sullivan, Psy. D., is working with a primary care physician in the area's only self-pay/managed-care-free primary care practice in Charleston, S.C. He and his wife have a three-year-old son, Owen Patrick. Brian is president-elect of the S.C. Psychological Association. He can be reached at sullivanb@letssimplify.com.

1996

Delphine (Garcia) '98 M.S., is married to **Fred Hasle** '96 B.S., '97 M.S. The couple now lives in Ottawa, Canada, with their 2-year old daughter Mia. She is the Ottawa Riverkeeper director of outreach; he is a technical manager and team Canada leader at Leapstone Systems, a communications software provider.

1997

Fabiana (Lufschanowki) Laby recently relocated to Austin, Texas, with husband Ron, children Dahlia, 4, Eli, 2, and Rina, born in September 2005. She will continue her private practice in Austin.

1998

Nancy Miller, Psy.D., resides in Port Washington, N.Y., with husband Kurt, son Zachary, 5 ½, and daughter Chloe, 3 ½. She works part time at a private practice in New York City.

1999

Steven Eddi received his rabbinical ordination in September 2004. He married Aviva Moran of Sydney, New South Wales, Australia, in 2005. He is currently working as a scribe in Brooklyn, N.Y., where the couple resides. His e-mail is shimon_business@hotmail.com.

Eileen (Lopez de Victoria) Berndt is a process engineer for Kimberly Clark Corp. in Everett, Wash. Her second daughter, Maya Beatriz, was born in October 2005 and joins 2-year-old sister, Michelle.

2000

Gina (Wendland) Klimp, Psy.D., has relocated to Virginia with her husband, Scott, and children Noah and Ryan. After five years as an Army psychologist, she enjoys being home with her sons.

2003

Carrie (Hood) Strong, Psy. D., is on staff at Mary Free Bed Rehabilitation Hospital in Grand Rapids, Mich. Her first published work was recently distributed in the *Journal of Clinical and Experimental Neuropsychology*.

2004

Manny Rodriguez and wife Kelly are in Pittsburgh, Pa., where both are employed by the consulting firm, Continuous Learning Group. He is training to become a consultant, and Kelly facilitates incoming consultants.

2005

Patricia (Oelschlager) Greer and Charles Greer III '03 announce the birth of their first child, Zachary, who was born November 13 at Samsung Hospital in Seoul, South Korea. Charles is serving in South Korea as



a commissioned officer and flying helicopters. Patricia will return to Florida Tech in May to be commissioned as a 2nd Lt. and begin her duty with the U.S. Army. She will live in Mountain Top, Pa., until Charles returns to the United States.

in memoriam

Wallace Boggs '73 M.S., an aerospace engineer, passed away on Jan. 26 at his home in Cocoa, Fla. He was a former adjunct professor at Florida Tech and worked in the space program. Survivors include his wife Eileen. Memorial gifts may be made to Shands HealthCare, 720 SW 2nd Ave., #510, Gainesville, Fla., 32601.

Jay Arthur Rice Sr. '93 Psy.D. passed away in Harper's Ferry, W. Va., in September 2005, after a valiant struggle with cancer. Survivors include wife Barbara.

Dorothy "Duffy" Dionne-Reed '83 M.S., '85 Psy.D., passed away in October 2004 in Winston-Salem, N.C. Survivors include her husband David Reed and a son Daniel Reed.

Wilson French Sammis '74 passed away in October 2005. He was a resident of Warner, N.H., where he was the past commander of the American Legion Post and the Warner Historical Society. He is survived by a sister and two brothers.

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"SAVE THE DATE" EVENTS | HELD ON CAMPUS UNLESS OTHERWISE NOTED April:

- 4 Alumni Reception, New York City and Northern New Jersey
- 5 Alumni Reception, Boston/New England

5, 16, 21, 23, 28 – April in Paris Film Festival, five films presented at Gleason Performing Arts Center

- 9 Alumni Trip, from Holland to Belgium
- 14 Student Design Showcase, Clemente Center
- 18 Business Ethics Conference, Harris Corporation Headquarters

May:

6 – Commencement 12 – Indian River Queen Paddle Boat Cruise 12-13 – Alumni Reception, Dad Vail Regatta – Philadelphia

June:

12-15 – Intermodal Transportation Safety and Security Course, Hartley Room

August:

30 – Depart date for Tour America's National Parks trip (see ad on pg. 35)

September:

- 11 Alumni Reception, San Diego
- 12 Alumni Reception, LA/Long Beach
- 14 Alumni Reception, Seattle

October:

1-10 – Copper Canyon Adventure (see ad on pg. 35)
11-15 – Homecoming
19 – Alumni Reception, Denver
Contact the Alumni Office for more information on these events.

ONGOING EVENTS | HELD ON CAMPUS UNLESS OTHERWISE NOTED

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www.fit.edu/alumni/travel/intro.html

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Alan Prestwood '73, '80, with wife, Katie



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