

# Researcher hears what people say, don't say

A communications professor took special note when newspapers reported a bizarre and seemingly isolated incident a couple of years ago in which a woman addressed her suicide note to a television set, then proceeded to end her life.

"That's really what got me started," Dr. Dan Canary says of wondering about, then exploring the connections between contemporary human loneliness and mass communications.

That professional curiosity ties in with other work Canary is pursuing, aimed at determining how an individual's attitudes affect his or her tactics in an argument. Mass communications help shape those attitudes, and individual attitudes in turn color how media messages are interpreted.

Already Canary has found indications that the suicide note may be but one example of a person substituting electronic communications for the companionship of

fellow humans. "It's pretty scary stuff," concedes Canary, a faculty member within F.I.T.'s Humanities Department.

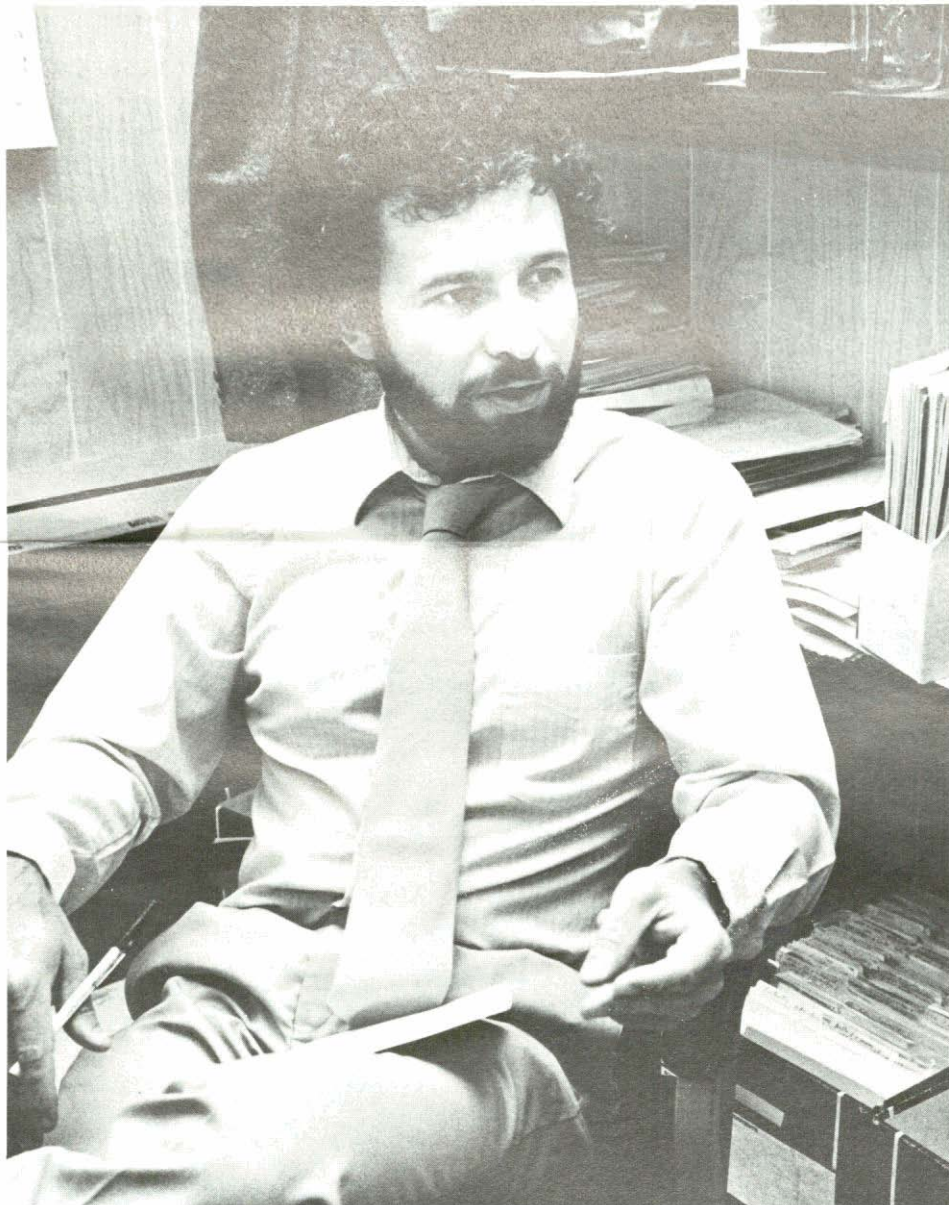
Canary's world is an academic setting in which scrutiny of modern communication vehicles and messages, and related human behavior, is often couched in specialized terminology with little meaning beyond university walls.

He has recently authored a book, for instance, that reviews 615 studies which

people have great difficulty communicating with others

And, said Canary, "people who are lonely tend to view other people as less competent communicators than do people who are not lonely."

That view of others can cause the lonely person to turn their backs on "the only means that can help get them out of their loneliness. They shun that one link . . . that's



## 'Lonely' work

Dr. Dan Canary relies on a number of research techniques to find out how people communicate with each other, and how mass media may be affecting their methods and abilities to communicate.

Photo by R. Goldberg

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Florida Institute of Technology

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# F.I.T. Update

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education • research • alumni

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June 1984 • Volume 2 • Number 2

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assess the relationship between attitudes and behavior. "It's the kind of hook that probably only graduate students will read and understand," the professor says.

But that is just the way Canary likes it — for now.

He contends that only through years of work by himself and many others, and only after great scrutiny of his findings by fellow researchers, may truths be uncovered that can provide guidance for people in their day-to-day lives.

"The pop-communications and pop-psychology books can hurt much more than they can help," Canary believes.

The flaw in many books purporting to offer a better approach to life, he contends, is that they are based on the limited trial-and-error experiences of the author. Canary doubts that walking in one particular author's footsteps can be a successful plan for large numbers of people. "These authors are setting up someone for a lot of disappointment," he believes.

Canary explained that the information he is compiling comes from extensive interview and questionnaire responses. He has also conducted studies that rely on videotaping arguments in progress.

Already clear is that chronically lonely

what makes me think that they turn to mass media."

An important area of communication that is included in Canary's research is the relationship between a person's attitudes and that person's strategies in arguments.

There can exist a link of "reciprocal learning" between such mass communications messages as a television broadcast and a family argument, notes Canary.

On the one hand, researchers have found that dialogue between individuals influences how those people interpret mass communication messages. On the other hand, it is also known that people often use the mass communication messages to identify how they should communicate among themselves.

The researcher explained that arguments provide especially fertile ground for determining how people communicate among themselves, how the tactics used during such conflicts are influenced by attitudes, and how the tactics affect relationships.

"I am interested in how people argue interpersonally, because traditional theory doesn't explain it very well," he noted.

It is a long road to better explanations, Canary said. "Right now, we are just reporting what is."

Story by Michael Moore

## Teaching unique students suits Dave Force

"Like any good teacher, the more you teach, the more you learn," notes Dave Force, a veteran instructor.

The students, he points out, "can sense whether you have confidence in what you are doing." The trick "is to look at yourself through their eyes . . . there is so much you learn about yourself from doing that."

Force, who received his bachelor's degree from F.I.T. in 1973, is willing to offer living proof of his teaching success at Sea World.

"This is going to sound like a boast," he boasts, as student Chad waits quietly alongside him, "but this is the best trained sea lion in the world, right here."

Chad will fill the air at Sea World with noisy agreement, provided Force asks him to do so. Chad is a 10-year-old California sea lion. The 650-pound animal has been independently judged as one of the best in the country at performing human-requested behaviors.

"Our primary job is the health and welfare of the animals, both physically and psychologically," notes Force of the Sea World approach. "An animal that is mentally healthy is physically healthy," says the supervisor of animal behavior for the marine attraction.

Back in 1974 when the new F.I.T. grad joined the education staff of the attraction, he did not expect to become intrigued with the mental state of marine animals.

"I had no idea there was such a field," he explains. His goal was biological research. But in early 1976 he entered the field of animal behavior.

The move offered a unique opportunity to be a part of the Sea World team that developed the highly successful "random and interrupted reinforcement" approach to animal training, replacing the traditional method of seeking performance in return for food alone.

Force scratches Chad's tongue to point out that individual animal performers respond to individual reinforcements, ranging from rubs and sounds to allowing the animal to occasionally tell the trainer whether it is time for work or play.

"The more I got into it, the more interesting it became," said Force, explaining that detailed records are kept of all interactions with animals. "Now we can do things with animals that we didn't dream of doing eight years ago," notes Force.

For aspiring Sea World behavioralists, said Force, "it takes about two years for the animals to tell you that you have become a trainer . . . it's all on-the-job training, and patience is the number-one virtue."

Force said that among those who have withstood the test is Mark Boucher, an F.I.T. ocean engineering graduate who started at Sea World in 1981. The animal behavior staff of 18 includes individuals of varied academic backgrounds, he said.

Despite the required animal-to-person relationship that must be built, "all of the trainers work with all of the animals." The trainers work both off- and on-stage, said Force, who will be doing his training this summer at Sea World near Cleveland.

"These are not domestic animals by any means," Force says of Sea World inhabitants.

One interesting feature of the job for

Force is that, "when I wake up in the morning I certainly don't know what's going to happen that day."

Story by Michael Moore



## Good behavior

Animal behavior expert Dave Force has a "talk" with Sea World star performer Chad, while Mark Boucher (inset) introduces marine mammal to a young land mammal at the attraction's outdoor theater.



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**Marvin Moskowitz (BS/EE)** is a senior engineer at RCA Government Systems Division in Morristown, NJ. Currently he is performing systems engineering/integration in support of US Navy AEGIS Weapons System. Marvin successfully received a kidney transplant in 1981 and is now enjoying travel in as much as possible.

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**W.J. (Bill) Burdick (BS/Air Com.)** is a first officer in the Air Force in Pittsburgh. He is a member of the ASAP, a growing organization of Professional Pilots in training for Space Shuttle flights when the program goes to commercial sector from NASA.

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**Keith D. Thompson (BS/Air Com.)** is working as a realtor at Bali Marketing in Lake Buena Vista, FL. He's the proud father of a baby girl, Allison Danielle.

**Dean L. Smehil (BS/Ocean.)** is a lieutenant at Southeast Marine Support Facility in Miami. He and his wife, Joan, are enjoying their first child, Caitlin Marie, born in February '84.

**Linda Wiseman Merryman (BS/Bio. Sci.)** is a research associate at the Department of Human Biochemistry and Genetics, and is studying at University of Texas graduate school. She will receive an M.A. in human genetics in May '84.

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**Mohammad Malek-Mohammadi (BS/EE)** is currently living in Iran and working as a project leader for Iran Electronics Industries.

**Lt. Col. James R. Stevenson (MS/Cont. & Acquis. Mgt.)** received the Meritorious Service Medal at Fort Lee, VA. He is a project officer with the Army Computer Systems Command.

**Edward C. McCarthy (MS/EE)** is the senior vice president and chief technical officer at Atlantic Venture Co., Inc., in Alexandria, VA. Congratulations!

**Bob Roddy (AS/Offs. Mar. Tech.)** served as Chief Scientist on the NOAA vessel Virginia Key. The vessel is part of a continuing study to measure Gulf Stream Transport and its effect on global climate. The Virginia Key is on long-term loan and is maintained and staffed by F.I.T. at Jeneen Beach. Alumnus Mark Bushnell (BS/Ocean Tech. '77) also served on that vessel.

**George K. Fischer (MS/Cont. & Acquis. Mgt.)** is an operations liaison and senior design engineer for United Technologies, United Space Boosters, Inc. at Kennedy Space Center. He spent 10 years on the Apollo-Saturn moon program as an operations mechanical engineer. George has a few patents on bearings, with a string of firsts in his field of bearing-rotor dynamics. George has recently been the editor of the best book on mechanical transmissions in the last 20 years!

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**Steve Gilbert (MS/Bio.Sci.)** is a fish and wildlife biologist for US Fish & Wildlife Service in Charleston, SC.

**Jeff Schultes (BS/Air Comm.)** is working for Bloomington-Normal Airport Authority in Bloomington, IL, as an assistant airport manager.

**Carl Wagner (BS/Air Comm.)** married Betsy Denny April 7, 1984. Congratulations! Carl is working as a copilot for American Airlines in Chicago. He says AA is a great place to work and will be hiring pilots over the next several years, so get your applications in NOW!

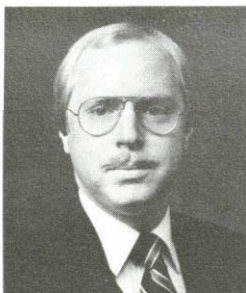
**Gordon Carver (BS/Applied Math)** is a wmputeranaiystat Pratt & Whitney Aircraft in West Palm Beach, FL. He married **Jean Wilson (BS/Bio '79)**. She also works at Pratt & Whitney, as an engineering assistant.

**Paris Michaels (BS/Air Comm.)** is a U.S. Air DC-9 first officer, and is a member of ASAP, a growing organization of professional pilots in training for Space Shuttle flights.

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**Mark Bushnell (BS/Ocean Tech.)** served on the NOAA vessel Virginia Key. The vessel is part of a continuing study to measure Gulf Stream Transport and its effect on global climate. The Virginia Key is on long-term loan and is maintained and staffed by F.I.T. Alumnus Bob Roddy served with Mark on the vessel.

**Blair Brenner (MS/Mar. Bio.)** completed a Ph.D. in wildlife and fisheries sciences at Texas A&M University in August of 1983. He was initiated into Phi Kappa Phi in the spring of 1984 and has been a research associate at the University for the past two years. Blair started a new position at Princeton University in late April as a computer consultant.



Glenn Floyd

**Glenn Floyd (BS/Mgt.)** was recently promoted to executive vice president of Healy, Dixey & Forbes Advertising, New Jersey's oldest ad agency. Glen joined HDF in 1977 and has held positions as account executive and vice president. Glen is an avid bluewater sailor and working on getting his private pilot license.

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**Gary S. Berman (MS/EE)** is manager of projects for Consafe, Inc. in Houston. He and his wife, Susan, are expecting their first child in August. He received his professional engineer license last summer. Gary invites AEPI alumni to visit when they pass through Houston.

**Teresa L. Esbanshade Nelson (BS/Ocean.)** and husband Melvin are the proud parents of a baby girl, Sharon Marie, born in

February '84. Teresa is working as a systems analyst for CACI, inc. -Federal in Mechanicsburg, PA.

**Felix J. Lahens (BS/Air Comm.)** is working for the Royal Bank of Canada as assistant manager of operations in Hato Rey, Puerto Rico.

**Patricia Mast (BS/Space Sci.)** is working for Martin-Marietta and living in Redondo Beach, CA.

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**Jaques LaBrosse (BS/Ocean)** is a computer programmer/systems analyst for Fein-Marquast Assoc., inc. in Baltimore. He married Darcy Kirwin in September '79 and they

in the construction of Multi-National Peacekeeping Facilities in the Sinai Desert. As an engineer and contract administrator, Jim, observed Camp David Protocols in developing all user requirements, translating them into contract specifications, then awarded a \$114 million contract. After contract award, he actually managed the contractors' efforts in the Sinai. All 151 major facilities were completed on time, within budget and meeting quality standards. Jim was awarded the Multinational Peace Medal and USA Meritorious Service Medal. He is currently living in Aurora, CO.

**Fortunato Perschini (MS/Cont. & Acquis. Mgt.)** has graduated from the Armed Forces

## Alumni Club News

### Pascagoula

Kevin Jarvis (BS/OE '79) and Stephen Flohr (BS/OE '83) were among several engineers from Ingalls Shipbuilding to provide classroom presentations to OE seniors in an Ocean Engineering Systems Design course. The subject of the presentations was shipbuilding methodology and management. Thanks to the efforts of several members of the Ingalls Alumni Club and the excellence of our alumni there, Ingalls Shipbuilding has increased their interest in and support of the F.I.T. Ocean Engineering program.

### Philadelphia

Philadelphia, PA was the location of the first alumni meeting/reception held off the Melbourne campus. Approximately 20 alumni were present (see picture) and the reception was very successful. The interest of alumni in Philadelphia was enthusiastic; old friendships were renewed and new ones were made. Based on the success in Philadelphia, we hope to expand our alumni club network to other areas. Steps are now being taken to formalize the Philadelphia club.

### BEC Club

The first organizational meeting for the Brevard Engineering College Club was held at the Melbourne campus in early April. Although attendance was poor, those who did attend enjoyed themselves and are interested in getting the BEC Club going. The next meeting will be held in mid-June. We look forward to hearing from B.E.C.'ers!

### Taiwan

On Saturday, April 21, 1984, the Taiwan Alumni Club hosted a delightful dinner at the Mongolian Barbeque in Taipei for President Jerome P. Keuper and two other visiting F.I.T. officials, Dr. James T. Stoms, Dean of the School of Management and Humanities, and Dr. Arthur A. Kimball, Director of International Affairs, F.I.T. alumni included Chung-ming (Kevin) Chu, President of F.I.T. Alumni Club in Taiwan, and twelve others. It was an enjoyable evening with excellent food, reminiscing about FIT, bringing everyone up-to-date, and exchanging fellowship.

were joined by a son, Aubin, in May '81. Jacques received his MS degree in chemistry from the University of Maine in May '83.

**Randy Gilly (BS/Bio. Sci.)** is pursuing an MS in materials sci./metallurgy at Lehigh University. He and wife Rhonda are expecting their first child in July. Randy is a supervisor at AT&T Technologies, Inc. in Allentown, PA.

**Gerald C. Brooks (AS/Avionics Tech.)** is working as a technical writer for Bendix-Avionics Division in Ft. Lauderdale, FL.

**James C. Manuele (MS/Cont. Admin./Mat. Acq.)** is a lieutenant colonel in the Army Corps of Engineers. He just returned from Egypt and Israel as deputy resident engineer

Staff College in Norfolk, VA. Fortunato is now stationed in Nashville, with the Military Entrance Processing Station.

**Barry L. Lippencott (MS/Cont. & Acquis. Mgt.)** has been promoted in the Army to the rank of lieutenant colonel. He is a research and development coordinator at Fort Eustis, VA, with the Applied Technology Lab.

**Scott R. Wilcox (MS/Cont. & Acquis. Mgt.)** has been promoted in the Army to the rank of major. Scott is a branch chief at Fort Lee, VA, with the 1st Battalion, Quartermaster Brigade.

**Steven J. Michael (MS/Air Comm./Air Tech.)** is a pilot at Ellsworth Air Force Base, SD, with the 4th Airborne Command and Central Squadron. Steven has been promoted in the Air Force to the rank of captain.

**Michael R. Jorgensen (MS/Cont. & Acquis. Mgt.)** will become the deputy commander of a supply depot in Taegu, Korea, on May 31. He will be in Korea for two years.

**Jean Wilson Carver (BS/Bio. Sci.)** is an analytical engineer assistant at Pratt & Whitney Aircraft in West Palm Beach, FL. She married Gordon Carver (BS/Applied Math).

**Danton G. Steele II (MS/Cont. & Acquis. Mgt.)** graduated from the Armed Forces Staff College, Norfolk, VA. The five month Department of Defense school provides students with intensive education related to national and international security. Danton is now serving in Picatinny Arsenal, NJ.

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**Deborah A. Davis (BS/ME)** is a project engineer with Westinghouse Steam Turbine in Orlando, FL, after two and one half years in Pennsylvania. Debby was recently nominated for a Westinghouse Engineering Excellence Award. Congratulations! She also has returned to school part-time, seeking an MBA, and serves on the alumni association board as vice president.

**Michael Shapiro (BS/Sci. Ed.)** is living in

## Your alumni information is sought...

We're looking for information about you and your classmates to share with other graduates. And if you have changed your address, or know of an alumnus who is not receiving UPDATE, please let us know. Send the completed form to the Alumni Relations Office, P.O. Box 1150, F.I.T., Melbourne, FL 32901. Thanks.

(Please print or type).

Name \_\_\_\_\_

Student No. \_\_\_\_\_ Class Year \_\_\_\_\_

Major \_\_\_\_\_

Degree \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

News of Interest \_\_\_\_\_

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\_\_\_\_\_

Job Title \_\_\_\_\_

Employer \_\_\_\_\_

Business Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_



# Senior projects polish mechanical engineers

Editor's Note: The following story provides a glimpse into the workings of the senior project, an academic mainstay in engineering. This particular project was concluded at the close of the last academic quarter. The two seniors involved have graduated.

"We've been working full-steam all quarter building this." So says Don Hamlin as he and fellow mechanical engineering senior Rod Stabile make last-minute adjustments to their project.

A klatch of faculty members and students is loosely assembled nearby awaiting the start of the senior project demonstration.

What they expect to see — and what the two seniors certainly hope to show — is a manufacturing process controlled by a computer.

"The senior project normally takes a full year. Every mechanical engineering student has to do one," explains Dr. Tom Bowman, head of the department. Each of the projects must be accompanied by a demonstration, and by a report.

The trial-by-project has been part of the educational process for mechanical engineering majors at F.I.T. for more than a decade. Bowman notes that interest in the field is high, "and it is strongly on the upswing across the country."

Also within the spotlight of high technological interest are applications that mate manufacturing equipment and computers, which is exactly the kind of work that Hamlin and Stabile have undertaken.

"This is probably the first time a student has used a computer to control a manufacturing process," the department head says of the work.

In the meantime, the demonstration has

hit a snag. "We tried to make a last minute improvement and it didn't work," laments Stabile.

The manufacturing process that is to be demonstrated is an automated system for drilling a line of 40 holes at exact locations along a 30-inch length of plastic pipe.

The seniors' system relies on machinery that clamps a piece of pipe in place on a moving carriage. Movement of the pipe beneath a drill is accomplished by computer-controlled motor. The pipe is then ejected into a bin.

The students accomplished all of the machinery design, tooling and assembly. Another task for the duo was figuring out how to make a computer "talk" to an electrical motor.

The pipe, providing it is properly drilled, can become a spray bar. Such bars are used to spray water required in the rinsing of chemicals from large photographic surfaces.

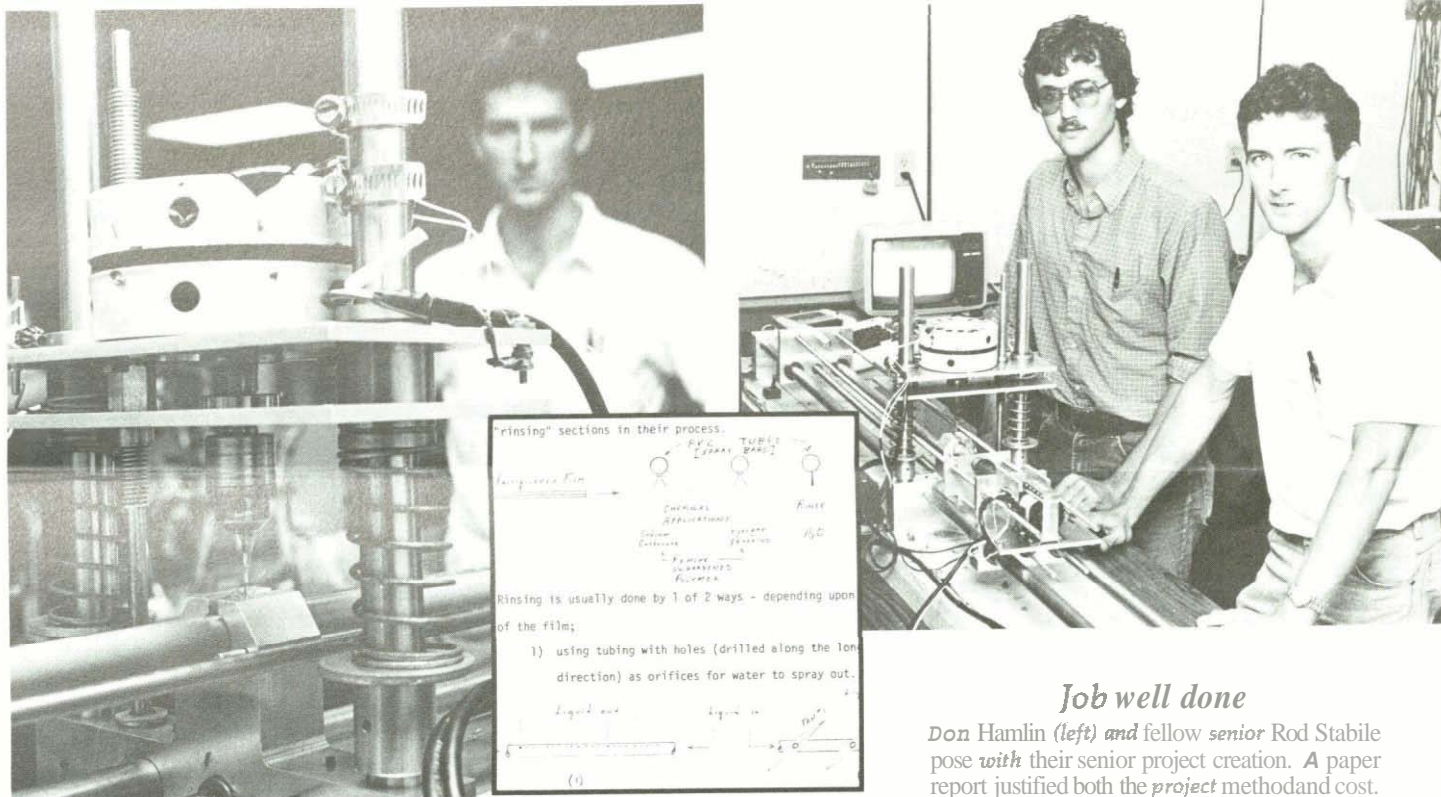
Inspiration for the project was rooted in a summer job held by Hamlin. The Cherry Hill, NJ, senior's duties with a large chemical

company included manually drilling spray bars.

An economic analysis of automating the procedure determined that the effort can save money, said Stabile. He is from Bethesda, MD.

As professors offer helpful suggestions, the two students are able to complete minor adjustments. They then pronounce their work ready for "the moment of truth."

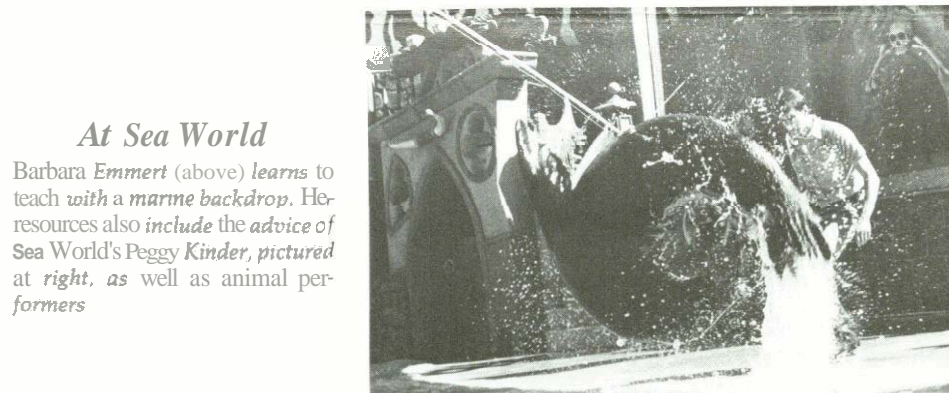
And the truth is, it works.



## Job well done

Don Hamlin (left) and fellow senior Rod Stabile pose with their senior project creation. A paper report justified both the project method and cost.

# Sea World provides unique teacher training site



## At Sea World

Barbara Emmert (above) learns to teach with a marine backdrop. Her resources also include the advice of Sea World's Peggy Kinder, pictured at right, as well as animal performers

F.I.T. and Sea World have joined hands in an innovative program to prepare teachers to expand learning opportunities far beyond traditional classroom walls. The cooperative effort is believed to be the first of its kind in the state.

Though the program is in its infancy, one veteran teacher who endorses it thoroughly is Peggy Kinder. She already had 13 years of in-the-classroom teaching experience when she took the reins of Sea World's highly regarded educational program two years ago.

Kinder's experience allows her to speak with authority as she points out that when school groups travel to the theme park near Orlando, "we're giving them materials that they simply cannot get in the classroom."

Some 65,000 students receive tutoring at

Sea World each year, and what they get is far more than a glance at a killer whale.

Sea World's educational program has been designed to excite and inform students "from pre-kindergarten to college," explains its Education Director.

And that makes Sea World the perfect setting for a unique program with F.I.T. Degree seeking students majoring in Science Education now have the opportunity to help develop educational projects at the popular attraction as well as conduct classes there.

That's a first, Kinder notes. "So far as I know, this is the first time that a university and an attraction have cooperated to allow a practicum in teaching outside of the classroom," said Kinder.

For the record at F.I.T., the program exists under the title of "Practicum in Non-

Classroom Science Education." It is an elective course, and can provide a portion of the experience required for teacher certification.

To Dr. Robert Fronk, head of Science Education, the practicum is part of a larger movement to augment traditional classroom learning.

F.I.T.'s teacher programs have taken a leadership role in developing opportunities for prepping teachers to pursue their profession outside of the classroom. F.I.T. summer academic programs for teachers, for instance, include workshops in the Smokey Mountains, Appalachian Mountains and the Florida Keys.

"F.I.T., both in undergraduate and graduate-level programs, continues to emphasize strongly the importance of classroom instruction," said Fronk.

"However, there are today many community resource centers, such as science centers and museums, where additional teaching opportunities exist," said Fronk. "We want our graduates to be able to take advantage of these opportunities to strengthen local education programs."

"In that respect, Sea World offers a unique resource both for students and student teachers," said Fronk. "Where else can you find marine animals from around the globe, plus sophisticated educational programs developed specifically for various learning levels?"

"They also have lab facilities, and a staff which understands and appreciates the nature of this education outreach program," said Fronk.

Barbara Emmert, one of four F.I.T. students — three of them graduate-level students — participating in the practicum with Sea World, is a master's degree candidate who is also seeking teacher certification. She earned her bachelor's degree in marine biology at F.I.T.

"Since I'm also a marine biologist, this is a perfect situation for me," she noted. "I think learning here is a lot more fun for the kids, and I think it is a lot more interesting to them."

Kinder explained that the Sea World programs provide classroom materials for use by teachers both before and after the visit to the theme park. "Hopefully, their visit here is a culmination of what has happened in the classroom."

"Backstage" tours can be provided for small groups interested in special subjects, such as the system that Sea World uses to maintain the salinity of its water tanks.

Marine subjects can provide learning experiences that relate to other disciplines. Figuring the ratio of an animal's body weight to food intake, for example, can provide a lively math problem.

"There is an expanding opportunity for out-of-the-classroom education in the state," said Kinder. Educators note that "any learning activity that involves all of the senses is going to be more beneficial."

Fronk explained that the practicum program has the added benefit of alerting students to work opportunities beyond institutional walls.

For Sea World, the cooperative program has already yielded a new employee, Kinder said. "We have already hired as a permanent instructor one of the first interns to complete the program. That alone validates my feeling that teachers and learning need not, and ought not be confined to the classroom."



# Dad Vail draws alumni

by Judy Marino

More than 25 crew alumni from F.I.T. were in attendance at the Dad Vail races in Philadelphia on May 11 and 12. Although the weather was gray and rainy, spirits and enthusiasm were high.

Crew alumni cheered the F.I.T. team on to an overall fifth place, with gold medals going to the freshman-8 team and several other boats receiving various medals.

Prior to the Dad Vail, F.I.T. crew captured the first place positions for men and women's varsity and freshmen teams at the Southern Intercollegiate Rowing Association Regatta, and the State Championship.

The crew alumni, despite inclement weather, saw old friends, traded old stories, reminisced about their previous Dad Vail races (as participants) and generally had a great time.

Amongst the 25 or so alumni present

were the Crew Alumni President, Joe Eckelman; Larry Mortland, President of the F.I.T. Alumni Association; Judi Marino, Director of Alumni Affairs at F.I.T.; and several representatives of the classes of '74, '78, '81, and '82.



## Reunion

Members of the 1975 freshmen crew team gathered at the Dad Vail Regatta nine years later. The 1975 team was the first to receive gold medals for F.I.T. at the Dad Vail. Pictured are (from left) Larry Mortland (president, F.I.T. Alumni Association, on active duty, U.S. Army Reserve), Mike Davenport (women's crew coach, F.I.T.), Eric Smith (freshmen crew coach, F.I.T.), Mike LeBlanc (graduate student in Ocean Engineering, F.I.T.), Val Barber (research assistant, Woods Hole Oceanographic Institute), and Steve Johnson (Oxt returned from Lebanon and flying A-6's from aircraft carrier John F. Kennedy).

## Vacation bargain offered

VACATION AT F.I.T. — There is still time to make reservations and take advantage of vacationing at F.I.T. this summer. The vacation program is hosted by the F.I.T. Alumni Association and many activities, as well as discount tickets for many Florida attractions, are scheduled. So bring your families

and enjoy southern hospitality in sunny Florida this summer, for a nominal \$8 per night with children under 12 free!

MAIL TO: F.I.T. Alumni Association  
Alumni Affairs Office  
P.O. Box 1150  
Melbourne, FL 32901

I request reservations at Southgate Apartments this summer for a family/party of \_\_\_\_\_ adults.

children as listed:

Adults (over 11) \_\_\_\_\_

Children (with ages) \_\_\_\_\_

Dates requested are:  July 9-15  July 16-22  July 23-29  July 30-Aug. 5

I enclose \$\_\_\_\_\_ as payment in full for a \_\_\_\_\_ night(s) (including children 12 and older) for \_\_\_\_\_ nights at \$8 per night.

I enclose \$\_\_\_\_\_ as payment for first night for \_\_\_\_\_ adults (including children 12 and older) and will pay balance of \$\_\_\_\_\_ for additional nights on arrival.

Class Year(s) \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_  
\*Make check payable to: F.I.T. Alumni Association

## Grads gather in Pa.



An alumni reception in Trewse, Pa., provided a snapshot opportunity. Standing (from left) are Dan Coogan '81, Yvonne Coogan '81, Frank Corliss '79, Henry Taylor, Steve Loose '79, Mark Novalsky '83, Bob Derbyshire '81, Parker McClellan '82, Bob Kullick '77, George Gross '76, and Rich Englebach '78. Seated are Dan Luongo '72, Patrice Luongo, Marcia Taylor '82, Donna Waters '83, Amy Benson, Barry Benson '83, Isabella Englebach '80, and the Englebach's new baby. On the floor is — guess who?

# Catching up: Spotlight on the news

Jack Schwalbe, assistant professor in Civil Engineering, and James V. Cox of the Naval Civil Engineering Laboratory at Port Hueneme, CA, recently co-authored a paper entitled, "Microcomputer Program for Steel Beam Column Analyses." Schwalbe presented the paper at the First National Conference on Microcomputers in Civil Engineering in Orlando. Cox is an F.I.T. graduate, with a B.S. in Ocean Engineering . . .

Dr. James Sharber, associate professor in Physics and Space Sciences, recently delivered an invited paper at a Workshop on Magnetospheric and Atmospheric Phenomena in the Auroral Regions, sponsored by the National Science Foundation . . .

Palmer Stiles, assistant professor, and Dr. Tom Bowman, department head of Mechanical Engineering, attended the Winter Annual Meeting of the American Society of Mechanical Engineers in Boston. Stiles was elected chairman of the Society's National Student Sections Committee. Bowman chaired a panel discussion on engineering accreditation that attracted an audience of more than 100. He also chaired meetings of the National Mechanical Engineering Department Heads Committee. And as a new board member beginning a two-year term, Bowman took part in meetings of the Board on Engineering Education . . .

President Jerome P. Keuper has been elected Chairman of the Board of the Jacksonville Branch of the Federal Reserve Bank of Atlanta. . .

The nation's space agency has saluted an F.I.T. researcher for work leading to "hyper-

gol vapor removal systems" to clean hazardous fumes that are given off by liquid fuels used in the Space Shuttle. Receiving the NASA award was Dr. John J. Thomas, principal investigator in a multi-year research effort at F.I.T. . . .

A Southeast Regional Flight Meet provided the F.I.T. Falcons student flight team with an opportunity to win the Team Championship Award along with many more honors. Falcons captain Kurt Andersen, a sophomore in Aviation Management, captured the Top Pilot spot from among 50 student aviators competing. The F.I.T. victory made the team eligible to participate in national competition in Colorado during April. . .

The annual High Tech Classic basketball tournament hosted by F.I.T. in early January saw the Panthers capture a second-place trophy. Illinois Institute of Technology prevailed in the championship game with F.I.T. . . .

Dr. John E. Miller, Vice President for Academic Affairs and Executive Vice President, has been appointed by the Southern Association of Colleges and Schools (SACS) Commission on Colleges to be the Chairman of the Project 1990 Planning Committee.

The committee's purpose is to conduct a study to provide some guidelines for the evaluation of education programs which rely heavily on computer-assisted or telecommunications-based delivery . . .

Dr. Charles Corman, Dean of the School of Psychology, has been elected secretary-treasurer of the National Council of Schools

of Professional Psychology. Dr. Corman was selected recently to serve on the reaffirmation committee for the University of the Americas, which was held at the campus in Mexico. He has been asked to also help evaluate Eastern Virginia Medical Authority's application for membership in the Southern Association of Colleges and Schools . . .

The Air Force Office of Scientific Research has awarded a \$12,000 grant to Dr. Arthur Gutman, of the School of Psychology. The funds were awarded to support a study of "reinforcement-induced stereotype." . . .

Dr. Kerry B. Clark, professor of Biological Sciences, has been appointed an associate editor of "Opisthobranch," a biological journal specializing in reporting research on certain molluscs . . .

Members of two F.I.T. fraternities, Lambda Chi Alpha and Pi Kappa Alpha, recently participated in the general clean-up of the Melbourne Causeway sponsored by Keep Brevard Beautiful (KBB).

"About 55 young men participated in the causeway cleanup," said Gloria Gardner, KBB president. "The boys did a first-class job" . . .

Dr. Don Senich, Director of Industrial and Technological Innovation at the National Science Foundation, recently visited F.I.T. Senich spoke about university and industry cooperation in research when he addressed the quarterly membership meeting of the F.I.T. Corporation . . .

The Federal Aviation Administration has saluted two leaders of the School of Aeronautics, which is one of the nation's largest aviation schools.

Awarded the FAA's Certificate of Appreciation during a recent Aviation Management Symposium held at F.I.T. were Dean Jerome Lauderbaugh, and Associate Dean John L. Carkeet . . .

"Where tomorrow is developing today!" That's the new slogan for F.I.T. and the student who suggested it has been rewarded with a round-trip airline ticket to any destination in the U.S.

The winner selected from more than 1,000 potential slogans submitted to a committee of the F.I.T. Corporation was announced during a recent quarterly membership meeting of the organization . . .

Activities on the oceans were the focus of an international conference on the technology of commercial fishing held on campus at Melbourne in May. More than 100 persons are expected to gather for the International Conference on Design, Construction and Operation of Commercial Fishing Vessels, said general conference chairman Dr. John Sainsbury. He is chairman of F.I.T.'s Ocean Engineering program . . .

Dr. Richard Turner, associate professor in Biological Sciences, has been given an appointment as "Short-Term Visitor" at the Smithsonian institution. The appointment, which includes travel funds to Washington, D.C., will permit Turner to conduct research at the National Museum of Natural History in collaboration with Dr. David Pawson of the Smithsonian . . .



Augusta, GA, and finishing his last semester of doctoral work at the Medical College of Georgia in neuroapychology. He recently married Mary McCuiston, who is also completing her doctoral degree in psychology. *Congratulations, two-fold!*

Tom Hawes (BS/CS) is working for Texas Instruments in Dallas, as a systems engineer. Tom is also attending the University of Dallas working toward his MBA.

Bradley S. Peale (BS/Air Comm./Fit. Tech.) is a lieutenant in the Air Force, flying F-16 Jetfighters. In April, Brad left for Korea for an 18 month tour of duty. Prior to leaving, Brad flew over the flight tower in Melbourne and radioed to them that he was a former student and pilot from F.I.T. He did a few tricks in the air for them. He loved it and the flight tower loved it!

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David D. Griffity (BS/Air Comm./Fit. Tech.) has received his silver wings at Vance Air Force Base in Oklahoma. He is now serving as second lieutenant at Pope Air Force Base in North Carolina.

David J. Misisco (BS/Bio.) spent two years in LaMaddalena, Italy, aboard the USS Orion and has been transferred here to Bethesda to participate in a two and one half year medical physics internship in radiation oncology and nuclear medicine. While in Italy, David married Marta Assunta. *Congratulations!*

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Johannes H. Benink (MBA) completed the finance officer advanced course in Dec. '82, and the public affairs course in Feb. '83, both at the Soldier Support Center and Defense Information School at Ft. Benjamin, Harrison, IN. He is currently a deputy finance and accounting officer in the Army at Fort Drum, NY.

Matthew P. Gillis III (MBA) has been promoted in the Air Force to the rank of major. Matt is a chief of launch operations at Cape Canaveral, FL, with the 6555th Aerospace Test Group.

Anthony Stavros (BS/Air Comm./Fit. Tech.) has graduated from Air Force pilot training and has received silver wings at Reese Air Force Base in North Carolina. He is now serving at Pope AFB in North Carolina with the 317th Military Airlift Wing.

Jimmy Z.J. Lu (MBA) is living in Taiwan working as an assistant researcher at the Chung-Shang Institute of Science and Technology. He plans to return to the states next year to work on his Ph.D. in computer science. Jimmy says the job prospects with American companies in Taiwan are unlimited if you have computer/data processing background.

Blair Rowland (BS/Psy.) is currently pursuing his masters in psychology at the University of West Florida. Blair is working as a behavior programmer for the Santa Rosa County Association for Retarded Citizens in Milton, FL.

Gary J. Fiore (BS/Air Comm./Fit. Tech.) has been commissioned a second lieutenant in the Air Force. Gary is now stationed at Vance AFB in Oklahoma.

George S. Pertot (BS/Air Comm./Fit. Tech.) has completed an officer rotary WINS aviator course and received the silver wings of an Army Aviator at the Army Aviation School, Fort Rucker, AL. He received instruction in helicopter flying techniques, including tactical instrument flying maintenance, navigation and radio procedures.

Kurt S. Wolz (BS/Air Comm./Fit. Tech.) was commissioned a second lieutenant in the Air Force in April '83. He is presently in pilot training at Williams AFB, AZ, and has



## Alumni Talk . .

### Dear Alumni:

Many of you have expressed enthusiastic response to this publication, "Update." I have received hundreds of positive responses and some great ideas. We are adding some new items which I hope will become "regulars." They are Alumni Club News, Campus News and Mews from JBC.

I want to welcome all our new readers from the Jensen Beach Campus (JBC). We have just recently been informed that you have not been receiving this publication and decided to change that quick! We look forward to hearing from you! I am happy to announce the beginning of a communicative, enthusiastic relationship between Melbourne and JBC alumni offices. Dr. Susan Braunstein and myself are looking forward to a cohesive, beneficial alumni effort.

I was fortunate enough to be able to attend the Dad Vail Crew Races in Philadelphia May 12th. Many alumni spectators turned out for the event and we were welling with pride as F.I.T. made such an outstanding showing! I was also fortunate in being able to personally meet many alumni in the last few months and find positive and impressive opinions of their F.I.T. education and the progress of the alumni efforts.

The results of the alumni survey will be provided for you, strictly in percentage format. I'm sure you'll find the results as interesting and impressive as I did. Some of your ideas and opinions are already being implemented. The correspondence from the alumni has increased considerably, so keep up the good work and I'll do the same!

Have a wonderful summer!

Judi Marino

## Jensen Beach News

Cooperation is the keynote of the attitudes being displayed by the Melbourne and Jensen campuses as change comes to F.I.T.

Spring-break week saw administrators and staff moving between campuses sharing ideas to improve communications and college performance in specific areas. Major inter-campus meetings were held by the admissions, library, placement, and alumni offices, and the reports were uniformly positive.

"Bob Heidinger, Director of Admissions, Melbourne has been extremely helpful in coordinating the group enrollment development project which is a six month concerted effort on the part of Melbourne, the School of Aviation and us to streamline our admissions efforts," stated Bob Vanover, Director of Jensen Beach admissions. "We had our first meeting over spring break, and I'm very optimistic about our results.

"Of course, cooperation is not new in admissions. We have always worked jointly on travel functions and costs. And Joy Dickens, the international students advisor in Melbourne, has long been helpful with the difficult process of facilitating admissions for foreign students to the Jensen Beach campus."

The words were equally positive from the library on their recent joint efforts. "Our training period at the Melbourne library was extraordinarily important," said Eleanor Harris, head librarian at the Jensen Beach campus. She cited the "hands-on" experience she and her staff acquired using the computers in the main library under the expert tutelage of that library staff.

"We are getting our own computer and will be going on-line for cataloging and inter-library loans. We will also be doing all of our own book and periodical ordering and all basic library chores on our own campus for the first time," she continued. "With the assistance and cooperation of the Melbourne staff assured, I know we are going to find the transition an easy one."

Dave Smith, Director of Placement for Melbourne, took a tour of the Jensen campus and met with interested staff and faculty on a full day visit to the southern campus. It was the first time a representative of that office made the trip to the School of Applied Technology.

In a meeting with Dr. Ed Weeks, acting dean of the Jensen Beach Campus, Smith pledged his personal assistance in expanding the capabilities of the Jensen placement office.

Judy Marino, alumni director for the Melbourne campus, also made the trip to Jensen Beach over spring break. She and Dr. Susan Braunstein, acting director of the JBC alumni office, worked on plans to coordinate alumni efforts for the two campuses. Chief among their goals is a unified plan to offer better service for all university "alums."

## CAN YOU HELP US FIND THESE GRADS?

|                |                                       |              |
|----------------|---------------------------------------|--------------|
| RICHARD LOIBLE | AS/Air Commerce/Flight Technology     | 1972         |
| BRUCE DOUGLASS | BS/Biological Sciences/Marine Biology | 1978         |
| DAVID HANNA    | BS/Electrical Engineering             | 1981         |
| MICHAEL YOUNG  | BS/Management Science                 | 1976         |
| BARRY FORSYTH  | BS/Oceanography/Biological            | 1973         |
| ANN HUDNALL    | MS/Logistics Management               | 1974         |
| BERNARD YACKOW | Ph.D./Psychology                      | 1983<br>1980 |
| MICHAEL SABA   | BS/Air Commerce/Air Transport.        |              |
| ELEANOR DAI    | MS/Math. Sciences/Computer Science    | 1979         |
| VERITY DORAN   | BS/Ocean Engineering                  | 1982         |

recently soloed the supersonic Northrop T-38 Talon.

Stanley W. Fiorowski (BS/Air Comm./Trans. Tech.) is a programmer/analyst for EGM Florida, Inc. in Cocoa, FL. Man, with help from his wife, has had a son, Nicholas Joseph, born in August '83. *Congratulations!*

Pam Walden (BS/Air Comm./Air Trans.) is living in New Jersey and working for Port Authority of New York and New Jersey in master planning studies.

Mark D. McConnell (MBA) has been decorated with the second award of the Air Force Commendation Medal at Hill AFB, UT. Mark is a fighter pilot with the 34th Tactical Fighter Squadron.

Brett Helsel (BS/Ocean./Geo.) is working for Lockheed in the launch processing system for the Space Shuttle at KSC. Brett is an analyst/programmer.

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Barton Beck (MS/Math. Sci./Oper. Res.) is an operations research analyst for the federal Computer Performance Evaluation and Simulation Center in Alexandria, VA.

Carlos Santos Mefeno (MS/Math. Sci./Comp. Sci.) is an analyst at Banco Nacional de Mexico City, Mexico.

Glen F. Wattman (BS/Avia. Mgt./Fit. Tech.) has graduated from Officer Training School in the Air Force. He is commissioned as second lieutenant at Mather AFB in Sacramento, CA.

Roger H. Riss (Ph.D./Clinical Psy.) is a staff psychologist at Madonna Rehabilitation Hospital in Lincoln, NB.

Heinz-Juergen Houben (BS/Bus. Admin./Finance) is the president of Marine Design International in San Marcos, CA; and his company is building marinas for the San Diego Embarcalero and U.S. Coast Guard in San Francisco.

Paul Siers (BS/Air Comm./Fit. Tech.) is studying law at the Urye University in Amsterdam.

Damiano N. Yala (MS/Log. Mgt.) is living in the Philippines working for Ministry of National Defense as chief of the plans and research division. He was temporarily promoted to colonel in the Armed Forces of the Philippines.

Robert M. Luczko (MBA) is working as an operations program manager at Sperry Corp. in Clearwater, FL.

Flavio Fiammia (AS/Air Comm./Trans. Tech.) and his wife, Colleen, recently were joined by a son, Justin. Flavio is an account executive at Apex Office Products, Inc., in Tampa, FL.

Dennis G. Beeler (MS/Cont. Acquis. Mgt.) is presently working for CAS, Inc, a weapons system analysis firm as a program analyst on high tech air defense systems. Dennis is living in Huntsville, AL.

Joseph Vozella (MBA), chief of the planning branch, Directorate of Engineering and Housing, was recently selected as Aberdeen Proving Ground's nominee for the Federal Engineer of the Year Award. Joseph and his wife, Mary, live in Aberdeen, MD.

Ralph K. Perry (BA/Math. Sci./Math.) has been commissioned a second lieutenant in the Air Force at Lackland AFB, TX. Ralph is now stationed at Mather AFB, CA.

Lee C. Lewis, Jr. (BS/Air Comm./Air Trans.) has received silver wings at Reese AFB, TX. Lee is now serving at RAF Bentwaters, England, with the 81st Tactical Fighter Wing.

Jackie T. Mayekawa (MS/Log. Mgt.) has received the third award of the Meritorious Service Medal at Camp Zama, Japan. The medal is awarded for outstanding non-combat meritorious achievement or service. Jackie is the chief of the Transportation and Services Division with Headquarters, U.S. Army, Japan.

Gary Stoltz (MBA) is an Army captain in Germany. He and wife Chris were joined by a baby boy in 1983. Gary graduated from the air defense artillery advance course in '83 at Ft. Sill, OK.

**update**

is published four times each year by the Florida Institute of Technology Office of Information Services, P.O. Box 1150, Melbourne, FL 32901, telephone (305) 723-3701, extension 299.

Editor ..... Michael Moore  
 Art Director ..... Susan Downey  
 Photo Editor ..... Robert Goldberg  
 Typesetter ..... Rachele Ross

"Alumni Notes" are provided by the Office of Alumni Affairs.



# Two trustees elected

Marilyn C. Link and Dr. Raymond A. Armstrong have been elected to the F.I.T. Board of Trustees, it was announced by President Jerome P. Keuper.

Link is a trustee, director and secretary for Harbor Branch Foundation, Inc., at Fort Pierce, which is a nationally respected oceanographic research organization.

Armstrong is chief of surgery for Holmes Regional Medical Center in Melbourne.

"Ms. Link and Dr. Armstrong have throughout their lives applied their very considerable talents to the betterment of our society," said Keuper. "It is a special and fortunate privilege to have their abilities and their experience now focused on the future of our university."

Link has since 1953 served as a trustee and secretary-treasurer for the Link Foundation. The foundation was established by her brother, the late Edwin Link, to support education and research programs. A long-time friend of F.I.T., he served on F.I.T.'s board of trustees for many years.

Marilyn Link earned her B.S. degree from New York University, and her M.S. from the College of Education, University of Illinois. She studied aviation at Stephens College, and continued flight activities over a 30-year period to earn her commercial pilot's license and advanced ratings. She has received several awards from the aviation industry and from aviation enthusiasts.

Link has worked for airline companies, as a teacher, and has been a contributing editor to FLYING magazine.

She is a trustee, director and secretary of the Atlantic Foundation, is a director of Florida First National Bank, and is a member of the Corporation, Woods Hole Oceanographic Institute. Her many civic activities include being a trustee for the Center for the Arts, Inc., at Vero Beach.

Prior to entering private practice, Armstrong served at Patrick Air Force Base from 1973 to 1975, where he was awarded for meritorious service as a result of his work as chief of surgery and chief of hospital services.

Since beginning private practice in 1975, he has served as vice-chief of staff at Holmes Regional Medical Center, and has served on numerous staff committees.

Armstrong was graduated from Louisiana State University, and his many offices and honors there were listed in "Who's Who in American Colleges and Universities." He completed medical training at LSU in 1968, interned in Virginia, and was in fellowship at the Alton Ochsner Medical Foundation in New Orleans from 1969 to 1973, in surgery.

Armstrong is certified by the American Board of Surgery, and is a member of the

American College of Surgeons, and American College of Colon and Rectal Surgeons. Society memberships include American and Florida medical associations, Brevard County Medical Society, Alton Ochsner Surgical Society, and Florida Association of General Surgeons.

He is chairman of the Facilities Development Committee of the F.I.T. Corporation, and a member of the F.I.T. Athletic Advisory Board.

Armstrong has been a leader in community and regional organizations including Rotary, the Chamber of Commerce of South Brevard, Scouts, Heart Association, Easter Seals, American Cancer Society, and March of Dimes. He is a governing member of the Eau Gallie Yacht Club, is a member of the Paramedic Advisory Board of Brevard Community College, and has served on the Regional Medical Services Advisory Council.

The F.I.T. board of trustees consists of 24 members whose experience and background make significant contributions to the growth and excellence of the university. Trustees elect new members.

## Flying squad goes national

by Ed Everette

The F.I.T. Flying Falcons, along with 27 other national teams, competed in the National intercollegiate Flying Association Meet held at the Air Force Academy Air Field in Colorado Springs, Colorado, during the period of April 25 through 29. The F.I.T. team was eligible to participate as a result of winning the Southeastern Regional Meet held last fall at Auburn, Alabama.

The team received a 2nd place, 6th place and 8th place in the various events and an overall ranking of 12th in the nation.

Dean Jerome Lauderbaugh of the School of Aeronautics congratulated the team members on their safe and successful participation and their high national ranking.

Professor Edmund Everette, team advisor, was outspoken in his praise for the team members. According to Everette, the team performed very well in spite of severe cold and windy conditions.

The next regional meet of the flying competition will be hosted by the F.I.T. team this upcoming fall. We look forward to a safe, successful meet said Everette, and have every reason to believe that the F.I.T. team will repeat as regional winners.



### Around campus

UPPER LEFT: Electrical engineering junior Greg Parker was selected by the Florida Electric Power Coordinating Group for a \$1,000 scholarship. Pictured with him are from left, Dr. Andy Revay, Dr. John Hadjiligiou and Jim Yontz representing FCG. UPPER RIGHT: Lambda Chi Alpha fraternity members who spent 72 hours cleaning vehicles to benefit the Harbor City Volunteer Ambulance Squad included Stephen Stephenson, David Hanington, Mark Ventura, Bob Craig and Bob Vreeland. LOWER RIGHT: F.I.T. hosted an "International Conference on Design, Construction & Operation at Commercial Fishing Vessels." Pictured in attendance are conference coordinator Dr. John G. Sainsbury of Oceanography and Ocean Engineering, Peter Hjul, Jan-Olof Traung, John W. Shortall III, and Jean E. Bohler. LOWER LEFT: Blue Key was the sponsor group for a presentation by U.S. Rep. Bill Nelson. With him are, from left, Wanda Majchrowicz, Rob McGrew and Willie Hamidjaja.



### Falcons

Making their mark in national competition were flying Falcons team members (kneeling, from left) Jim Blackford, Kurt Anderson, Dwight Anderson, Bob Allen, Mike Weaver, (standing) Brett Shortly, advisor John Derrick, Patricia Sobala, advisor Ed Everette, Raj Persuad, and Pam Smith.

FLORIDA INSTITUTE  
OF TECHNOLOGY  
P. O. Box 1150  
Melbourne, Florida 32901

June 1984

ADDRESS CORRECTION REQUESTED

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Vol 2 # 2



# CAMPUS NOTES



FLORIDA INSTITUTE OF TECHNOLOGY

JULY-AUGUST

Dr. **George C. Webb**, professor and head of Biological Sciences, has been awarded a \$19,000 grant by the American Federation for Aging Research. The grant will support his investigation of "the control of gene expression as a factor in senescence." The research will use genetic engineering techniques to study the possible participation of a gene in triggering the aging process.

Several research reports from Biological Sciences have been published. They include, from Dr. **Webster** and P.J. **Bailey**, "Lowered rates of protein synthesis by mitochondria isolated from organisms of increasing age," in *Mechanisms of Aging and Development*; from Dr. **William Alevizon** and D. **Landmeier**, "Variability in the population structures of four western Atlantic parrotfishes," in *Environmental Biology of Fishes*, and from H. **Lena**, "Testacealobosia (Protozoa: Rhizopoda) of Melbourne, Florida," in *Revista Espanola de Micropaleontologia*

**Grace R. Wylie**, assistant professor at the Language Institute, presented a paper on teaching of writing in the English-as-a-second-language classroom, at the Second Language Acquisition and Linguistics Conference held at the University of South Florida in June.

**Judith B. Strother** of the Language Institute was selected as recipient of a \$500 Gulf TESOL Summer Institute scholarship at Oregon State University.

**Jack Schwalbe**, associate professor of civil engineering, was a speaker at the recent Seminar on Wind Engineering, sponsored by the Cape Canaveral Branch of American Society of Civil Engineers. He spoke on "Wind Damage to Structures." Some 65 professionals from around the state were in attendance.

## Library switch

Tori Smith of the Library staff points out that the good news is that Evans Library is nearing completion. The not-so-good news is that from August 19 to September 1, the library will be in the process of moving from its old location to the new facility. That herculean task means the Library will not operate during that period.

## Public relations expert arrives

The appointment of **Dick Baumbach** to the position of director of public relations for the university has been announced by President **Keuper**.

In making the announcement **Dr. Keuper** said, "I believe F.I.T. is indeed fortunate to have obtained the services of **Dick Baumbach**. His extensive background in both public relations and journalism will be a definite asset to the university."

**Dr. Keuper** added that **Baumbach** will be involved in expanding F.I.T.'s image throughout the U.S. and will also be responsible for overseeing the development of new and innovative public relations programs.

Prior to joining F.I.T., **Baumbach** served as Assistant to the Commissioner for the Tennessee Department of Correction. He also served as the spokesman for that 4,500 member organization.

No stranger to Brevard County, **Baumbach** served as aerospace editor for TODAY newspaper from 1977 to 1980. He was employed by Gannett newspapers for 11 years and was a member of the Elmira (N.Y.) Star-Gazette prior to being transferred to Florida.

In 1978 he was named aerospace writer of the year by the prestigious Aviation and Space Writers Association.

**Dr. John Trefry**, associate professor for Oceanography and Ocean Engineering, was an invited speaker at the International Council for the Exploration of the Sea symposium, held recently in Nantes, France. His well-received paper, entitled "Trace metal fluxes through the Mississippi Delta system," was co-authored by research associates **Robert Trocine** and **Metz**, and graduate student **Thomas Vetter**.

**Dr. Trefry** has received third-year funding of \$80,000 for project P-PRIME (Pollutant-Particle Reactions in the Marine Environment). The program is studying the geochemistry of several trace metals in the Mississippi River and the Gulf of Mexico.

**Nenad Iricanin**, a graduate student in chemical oceanography, is representing **Dr. Trefry** aboard the Soviet research vessel *Akademik Korolev* for a four-week cruise in the Bering Sea. F.I.T.'s chemical oceanography group is studying the distribution of trace metals in this northern frontier.

The university was well represented at the recent Central Brevard Triathlon, held at Rockledge. The event consisted of swimming, bike riding and running. **Steward Holm**, a graduate student in chemical oceanography, finished in first place with a time of 1:41:21, several minutes ahead of the competition. **Dr. Tom Belanger**, associate professor for Environmental Science, took top honors for the 30-39 age group. His time of 1:52:38 also put him in 8th place in overall scoring.

**Edward Ford**, adjunct professor of weapons acquisition management at the Picatinny graduate study center, has been selected by Honeywell to be the government representative lecturer at Honeywell Aerospace and Defense Management Center in Minneapolis in October. He will lecture on "Latest trends and management emphasis in the DOD material acquisition process."

Recent M.S. recipient **Simon Johnston** was selected as the winner in the Space Coast Chapter Graduate Student Paper Contest, sponsored by the local American Production and Inventory Control Society organization. The *Irishman's* paper was on the dynamics of inventory control systems, and



Auto enthusiast Dick Baumbach

was based on a simulation program using DYNAMO. Building upon his systems management degree, he is now an adjunct instructor and an MBA candidate.

**Dr. Michael E. Valdez**, of Electrical and Computer Engineering, attended the Second Annual Conference of the Society of Amateur Radio Astronomers. He presented a paper on "Computers in radio astronomy," describing applications of computers to digital data processing of signals from a radio telescope.

**Dr. Valdez** was elected Computer Committee Chairman by the organization. The Society is the only organization devoted entirely to promotion of radio astronomy among amateurs, and **Dr. Valdez' duties** will include development of a registry of computer programs applicable to radio astronomy.

**Sharon C. Irvin**, chairman of the technical communication program, recently attended the Central New Hampshire Conference for Computer Professionals, on "Wri-

ting for the Computer Industry." The conference was held at Plymouth State College.

**Dick Truman**, of the Cabinet Shop, expresses thanks to all who offered condolences following the death of his father.

**Douglas McGuffey** was selected as a winner in the 1984 Sea Grant Association Student Award competition, when his master's thesis abstract was deemed one of the best of those submitted from across the country. "Your success reflects favorably on the research program of F.I.T. and (advisor) **Dr. John Sainsbury**," said a letter of congratulations from the Florida Sea Grant College. In July, **McGuffey** travels to Minneapolis for Sea Grant Week Activities.

His abstract was entitled, "A Case Study: Fishing Vessel Stability and Loading."

Participating in planning for the 1985 annual conference of the World Mariculture Society are F.I.T. aquaculture faculty members **Mike Hartman**, **Mike Miltner** and **Chuck Lofquist**. The gathering is planned in Orlando during January.

## Dean Revay gets IEEE honor



Dean Andrew Revay Jr. receives Centennial Medal from IEEE representative Art Greene.

The National Institute of Electrical and Electronics Engineers, Inc. (IEEE) has awarded its Centennial Medal and Certificate to **Dr. Andrew W. Revay Jr.**, Dean of the College of Science and Engineering.

National IEEE President **James B. Owens** cited the F.I.T. professor and administrator for "loyal and dedicated service to the Institute and to the profession."

The award was presented in a special ceremony by **Art Greene**, representing the 1100-member Canaveral Chapter of the IEEE. **Dr. Revay** is one of 1,984 IEEE members across the nation who are being given special recognition in the organization's IEEE Centennial Year celebration.

**Dr. Revay** received his Ph.D. in electrical engineering from the University of Pittsburgh. The dean is a professor of electrical engineering and a registered professional engineer.

He joined F.I.T. in 1967, and at the university has been active in research work including a study of the effects of lightning on electronic systems for the Federal Aviation Administration.

## Education honors center here

**Dr. Robert H. Fronk**, head of the Science Education Department, has been selected to coordinate a national center to demonstrate excellence in preparing science teachers.

F.I.T. will be the site of one of five U.S. regional Science Education Honors Centers being funded by a \$1 million grant from the National Science Foundation (NSF).

The project will allow a three-year series of summer programs for selected science teachers, said **Dr. Fronk**, who has worked with high school science and math teachers for more than 15 years.

"The end result of this project should be to upgrade the quality of science teaching throughout the country," **Dr. Fronk** notes.

He explained that teachers of outstanding science programs will be helped to further develop their classroom materials and teaching strategies, and to share them with other educators. The NSF project will also allow recognition for outstanding science programs and teachers.

The new program evolved from an earlier effort sponsored by the National Science Teacher's Association that identified 80 exemplary science education programs in high schools throughout the country.

It is teachers from those programs who will study at the five Honors Centers. The teachers will also prepare themselves for workshops and other activities to spread their know-how to fellow educators.



Dr. Robert Fronk

**Dr. Fronk** has also been chosen to participate in an Honors Leadership Program this summer at the University of Iowa, where he will work with national and international leaders in the field of science education.

F.I.T.'s Science Education program, designed by **Dr. Fronk**, was lauded last year by state Commissioner of Education **Ralph Turlington**. He termed F.I.T. "one of the very best, if not the best, that we have in terms of turning out science and math teachers."

## Know some news?

Don't forget to let "Campus Notes" know about new people and new programs for the Fall Quarter. Please forward your contributions to **Michael Moore**, editor, at the Office of Information Services (extension 7299).