

CAMPUS NOTES

FLORIDA INSTITUTE OF TECHNOLOGY

OCTOBER/NOVEMBER 1984

Dr. **Lata Mehta**, head of the anatomy department, Grant Medical College, at Bombay, India, recently visited Dr. Arvind Dhople, head of the Medical Research Institute's infectious diseases division. The primary purpose of her visit was to begin a collaborative program in leprosy research. The main thrust of the program will be the study of nerves from armadillos infected with leprosy, as well as endothelial cell culture. The two researchers also discussed the prospect of starting another collaborative project in India under the Indo-U.S. Science and Technology Program, aimed at developing new methods for detecting drug resistance in leprosy.

Also visiting M.R.I. was Dr. Jindrich **Kazda**, head of the microbial biology division of the Borstel Research Institute, West Germany. He is coordinator of a collaborative program in the *in vitro* cultivation of leprosy bacillus. That program includes Dr. Dhople and Dr. **L. Kato** of Catherine Booth Hospital Center in Montreal. Drs. Kazda and Dhople reviewed progress in the work over the past six months, and planned future work.

Dr. James A. **Rigney**, professor of chemistry at University of Prince Edward Island, Canada, is a visiting professor at Chemistry for the Fall Quarter. He is currently on sabbatical leave, and is pursuing interests in the chemistry of marine plants, and completing a series of articles on exercises in undergraduate biochemistry laboratories.

Dr. Donald Stauble, professor in Oceanography and Ocean Engineering, presented a paper at the 19th International Coastal Engineering Conference in Houston. The paper, entitled, "An assessment of beach nourishment sediment characteristics," reviewed ongoing research in beach nourishment technology. The conference is held every two years to allow coastal engineers from around the world to share information.

Dr. Stauble and graduate student Jeff **Hoel** attended the annual meeting of the Florida Shore and Beach Preservation Association, held at Captiva Island, Florida. The association is composed of coastal engineers, scientists, managers, and local and state officials who are concerned with erosion control and other coastal management problems.



Hungry humanists?

The Faculty Reception provided an opportunity for back-to-campus conversations and — for three Humanities professors — snacks worthy of enthusiasm. Hamming for the occasion are (from left) Drs. Horst Freyhofer, Gordon Patterson, and Rudolph Stoeckel.

Dr. **Randall L. Alford**, Director of the Language Institute, has been invited to be guest lecturer at the Toronto Institute of Linguistics on the campus of Victoria University in Toronto.

Dr. Alford has also been invited by the Who's Who Board of Advisors for a biographical inclusion in the 19th edition of Who's Who in the South and Southwest, a regional reference guide and companion extension of Who's Who in America. He has also been selected for a profile in the 1985 editions of Personalities of the South, and The Directory of Distinguished Americans

Grace R. Wylie, assistant professor for the Language Institute, spent four weeks during the summer studying the Japanese language and culture at a branch of Showa University in Fuyiyoshida. On the main campus of Showa in Tokyo is one of Asia's foremost teaching hospitals.

Dr. **Bruce Rafert** of Physics and Space Sciences presented a talk on "observation of the W-serpentis stars" to the Department of Astronomy at the University of Florida, serving as colloquium speaker. His preliminary work on the binary stars has also been published in the journal of International Amateur-Professional Photoelectric Photometry, and will appear as a chapter in *Microcomputers in Astronomy II*. Support for his research totalling \$70,000 has been announced by the National Science Foundation, Research Corporation, and the American Astronomical Society.

Susan Downey has joined the Public Affairs Department as chief of graphic arts. She received her B.S. in design from Briarcliff College. Originally from Fairfield, CT, she worked for Bookmakers, Inc., in Connecticut as a designer of educational books for Reader's Digest and McGraw Hill, and of history books for Allyn & Bacon of Boston. In Melbourne she was art director for National Printing.

Residents of the Eau Gallie area of Melbourne for three years, she and husband Rob — a professional photographer — are avid windsurfers. They have won several local and statewide regattas.

Warren Woodrow became a fulltime faculty member for Aeronautics with the start of the Fall Quarter. He is a graduate of the Naval Academy with his degree in aeronautical engineering, and attended the Naval Post Graduate School. He is completing work at F.I.T. on the M.S. degree in science education, with a computer science option. He is a pilot and airborne navigator with 5500 hours, and has extensive experience in aircraft maintenance and data processing. He and wife Mary are Palm Bay residents.

Amanda Mykoo, an F.I.T. honors graduate in air commerce/flight technology, has become an adjunct faculty member for Aeronautics. Now an MBA candidate, she is a flight instructor, and an air frame and



Visitors from afar

A group of officials from the People's Republic of China made F.I.T. one of their stops during a journey to gather information about coastal processes. Dr. Dean Norris and Don Stauble of Oceanography and Ocean Engineering were hosts. Pictured with delegation member Tang Zhao is Stauble and Dr. Diane Barile, adjunct faculty member.

Force. He also piloted the Air Force's supersonic T-38 Talon fighter aircraft. His three-child family lives in Melbourne Beach.

Ralph Johnson, Director of Development, has announced the naming of F.I.T. in a \$70,000 tax avoidance trust. The trust will provide income for two of the donor's relatives while they live, then assets will become available to the university. The use of the tax avoidance technique was stressed in a nationwide teleconference in which Johnson participated. Individuals creating trusts qualify for a charitable gift deduction. Questions about the plan should be directed to extension 8036.

Lt. Cmdr. **Marty Heule**, who is completing his MBA in logistics in the F.I.T. off-campus program at Selfridge ANG Base,

Michigan, has received the Chief of Naval Operations Aviation Supply Excellence Award that honors the Navy's best supply department in support of P-3 Orion anti-submarine aircraft squadrons. F.I.T. center director **Ernie French** points out that the two supply officers preceding Heule also earned the MBA.

Mary Hannon, a senior in Business Communication, was presented a key to the City of Melbourne and a plaque signed by Mayor Harry Goode at a ceremony recognizing her outstanding work as an intern during the summer.

Dr. Charles D. **Beach** has joined Electrical and Computer Engineering as associate professor. He has extensive industrial experience, and for seven years was director of research and development at the Florida Solar Energy Center at Cape Canaveral. He earned his M.S. in electrical engineering at New York University, and his Ph.D. in that discipline at the University of Colorado. His research interests are in non-linear systems, adaptive systems, and signal processing.

Kent **Hathaway** has received a \$750 grant from the Gulf Coast Association of Geological Societies financial aid to students committee to aid in his thesis research. Hathaway is in the physical oceanography Ph.D. program. His research involves studying the relationship between microseismic activity and ocean waves.

Microseisms, the continuous background noise recorded by seismometers, are often associated with ocean wave activity. In some areas the correlation is surprisingly high; Oregon State University has used seismometers as land based "wavemeters"

During WW II microseisms were used to track storm centers in the North Atlantic. However, the system was not very reliable due to the complex nature of the phenomena. Hathaway's study will provide insight into the generation and propagation of microseisms.

He plans to study the microseisms production on the Gulf Coast of Florida, at F.I.T.'s Vero Beach facility, and on the coast of northern California. The study is being conducted with the assistance of Anita **Wooldridge**, an M.S. candidate under the direction of Dr. Steven Costa. The grant will help cover transportation costs, electronics, and supplies needed for the research.

Dr. John C. **Hozier, Holtzer-Lequear** Associate of Biological Sciences, has been awarded a \$295,000 research contract by the Environmental Protection Agency for molecular and cytogenetic studies on

oncogenes in lung cancer. Oncogenes are thought to be cellular genes that normally control growth. However, under some circumstances, an oncogene is switched on, resulting in the uncontrolled growth that is cancer.

Former graduate student **C.A. Blazewski**, now at the University of South Florida Medical School, and Dr. George C. **Webster** of Biological Sciences are the authors of an article, "Effect of age on peptide chain initiation and elongation in preparations from brain, liver, kidney and skeletal muscle of the C57B1/6J mouse," in Mechanisms of Aging and Development.

A field workshop to evaluate the relative accuracies and efficiencies of various methods of visually assessing reef fish populations was held this summer at the Looe Key National Marine Sanctuary, about 30 miles from Key West. The workshop was coordinated by Dr. William S. **Alevizon** of Biological Sciences, with major funding provided by Florida Sea Grant. Additional sponsoring agencies included The Sanctuary Program Division of NOAA, National Marine Fisheries Service (NOAA), and Sea Grant offices of other southeastern states and California.

Participants included several graduate students from F.I.T., and reef fish workers from the southeast, California and Puerto Rico. Several hundred dives were logged during the 11-day effort, which should yield valuable information on the advantages and disadvantages of the various methodologies the researchers tested.

Aviation training is real

The "Summer '84 Training with Industry" (TWI) program administered by the School of Aeronautics was one of the largest ever. Some 20 aero students trained with the aviation industry, both overseas and in the U.S.

One student was placed with **Swedair** in Stockholm, another with Nigeria Airways, and a third interned at Munich International Airport.

In this country, the interns' employers included the Ft. Lauderdale Executive Airport; Mall Airways in Albany, NY; Midnight Express in Atlanta; the Aircraft Owners & Pilots Association, Washington, D.C.; Lyon Aviation at Pittsfield, MA, and Union Carbide Flight Department at Danbury, CT.

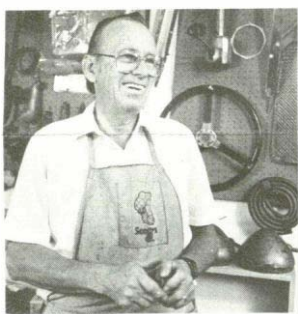
The TWI program has grown steadily under the guidance of **Jim Constantine**, a 13-year faculty member for Aeronautics. He works with students to identify a suitable aviation enterprise where the student can undergo management training.

Normally the student participates in TWI in the 11 weeks prior to his or her final quarter at F.I.T. The internship experience is then the subject of a report presented in a briefing for students preparing for the TWI experience.

Often, the TWI student is offered permanent employment at the internship site after graduation.



Jim Constantine



Summer news

Activities catching the eye of the press during the summer ranged from President Keuper's hobby of restoring MG automobiles, an international visitor at Summer Commencement. Dr. Keuper is pictured in his home auto workshop. At graduation ceremonies, Dr. James Lyons, Chairman of the F.I.T. Board of Trustees, presented an honorary doctor of science degree to General Wei-yuan Cheng, Chairman of the Republic of China's Vocational Assistance Commission for Retired Servicemen. The general took the reins of the Commission after a highly distinguished career in his nation's army.



Car burns the "press," impresses researchers

For **Markus Bowman**, the phrase "power of the press" — or, more precisely, the power of newspapers — has taken on new meaning.

And it has nothing to do with the lofty jargon of media critics.

For the past six months, **Bowman**, an 18-year-old Melbourne resident, has been running his 1976 Fiat with a mixture of gasoline and liquid partially derived from, of all things, shredded newspapers.

Bowman's car is a guinea pig of sorts.

The sleek, black sports car is being used by two of Melbourne's Florida Institute of Technology professors trying to develop an efficient liquid fuel additive made from materials with a high cellulose content. Newspapers fit the bill.

So far, the professors say, their results are encouraging.

Bowman agrees. Just recently his car churned out 34 miles per gallon using the shredded newspaper mixture. With only unleaded gasoline in the tank, the Fiat gets about 27 miles to the gallon, according to Bowman. (He is the son of Dr. Tom Bowman, head of Mechanical Engineering and Dean of the Graduate School.)

But **John Thomas** and **Ronald Barile**, the two F.I.T. minds behind the project, admit they are two to three years from perfecting their fuel.

"We don't think we have the ideal agent yet," says Thomas, "but we think there's a good chance we might come up with one."

For the past two years, Thomas and Barile have been experimenting with different biomass materials derived from living



Dr. John Thomas



Dr. Ronald Barile

things to produce a fuel additive to one day replace ethanol.

Newspapers, sawdust, sugar or other products with a high cellulose content can be used in the process, but Thomas says newspapers seem the best bet.

"It's cheap," he explains, "and we don't have to use materials that compete with food supplies. Nobody is eating newspapers these days."

Ethanol, on the other hand, usually is made from corn. It tends to corrode engines and only can be used in small quantities (about a 10 to 20 percent mix with gasoline) before engine adjustments must be made, says Thomas.

The F.I.T. researchers believe their newspaper-based additive can be produced more cheaply than ethanol and will be a more efficient fuel.

The process to make the substance is relatively simple. A mixture of hydrochloric acid and shredded newspapers is placed in an autoclave, which provides steam under pressure. The end result, after some additional steps, is levulinic acid — the key component. The acid is chemically converted to the fuel additive.

Thomas believes, however, that the process probably is too costly and cumbersome for individuals to convert their newspapers.

Once the product is perfected, the biggest stumbling block to getting the material on the market probably will be the government, according to Thomas.

Obtaining Environmental Protection Agency approval will be a difficult process, he says.

Reprinted from TODAY Newspaper

Reef changes captured on film

A scientist at the Florida Institute of Technology is conducting a pioneering study to determine the long-term effects of increasing human activity and subtle environmental changes on Florida's fragile coral reef ecology.

"One of the major questions of reef ecology is what are the inherent long-term changes in coral reefs," said marine ecologist **William Alevizon**. "Are the fishes stable over hundreds of years, thousands of years or are there natural cycles of fluctuations?"

"Nobody knows that. We're just at the point now where people are starting to get good enough quality data to start to assess changes or non-changes over long periods of time."

In 1974, Alevizon first visited Key Largo Drv Rocks and Grecian Rocks, two reef sanctuaries protected by the National Oceanic and Atmospheric Administration. He made 72 underwater films of the reefs that were analyzed to obtain relative fish populations.

But he realized the 2%-minute films contained much more information than just fish populations. By comparing those films with video tapes made 10 years later, Alevizon would have a clear indication of how the reef environment changed over time.

"What we're going to do is compare the changes, if any, take a look at the fish populations 10 years later, the percent of live to dead coral and the changes in some of the other animals that grow on the reef," he said.

"By having a permanent record and doing this in a set way you really are better able to assess changes."

In June, Alevizon and two assistants returned to the reefs and made 72 more films under a \$9,300 grant from NOAA. The result was an overlapping series of views of the delicate underwater tableau and its teeming life.

Alevizon said the tapes will be used to analyze the populations of 40 representative fish species, non-reef-building and reef-building corals.

"We're choosing representative groups to serve as what we call indicator species," he said. "You figure that if the indicator species haven't changed there's a good probability that most of the reef is fairly healthy."

"The original samples were taken strictly for the purpose of analyzing fish and we thought about it later and said, look, we've got a lot more information on these films than fish. Why don't we try to use some of it?"



Dr. William Alevizon

The two reefs under study are just a few miles away from Molasses Reef, where a freighter ran aground Aug. 4, causing extensive damage.

Alevizon said studies like his will help ecologists better assess such damage if a similar incident occurs again.

But that is an isolated example. Alevizon said the general effects of increasing human activity are what concern him. While spear fishing is prohibited in the sanctuary, hook-and-line fishing and lobstering are allowed.

"Hook-and-line fishing removes the top line carnivores, groupers, snappers, the things that eat other fish," he said. "So we have a situation where we have a protected sanctuary where it's still legal to remove the top of the food chain."

Reprinted from the Orlando Sentinel

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.

Chancellor named for Jensen Beach

Dr. Marion Rice has been appointed Chancellor of F.I.T. at Jensen Beach, it has been announced by President Keuper.

"Dr. Rice was selected for the position following a nationwide search for a qualified and professional individual to operate our Jensen Beach campus," Dr. Keuper explained.

He added that F.I.T. is extremely pleased to have obtained the services of the new chancellor, whose background includes the position of Provost at the Auburn Hills (Mich.) campus of Oakland Community College.

In her new role she will oversee all activities at the Jensen Beach campus including the College of Applied Technology and the Evinrude School of Marine Technology.

Dr. Rice will report to Dr. John E. Miller, executive vice president and vice president of academic affairs.

"I am quite pleased with the selection made by our search committee. Dr. Rice is truly a well qualified and knowledgeable individual whose background and expertise

should be a great asset to the programs being conducted at our Jensen Beach campus," Dr. Miller said.

The new chancellor has served as provost of the Michigan colleges since 1974. She is a graduate of Wayne State University with a bachelor's degree in sociology as well as a master's degree in education. Her doctorate is in higher education, from Michigan State University.

Dr. Rice served as department chairperson of counseling at Oakland Community College from 1969 to 1971. She was a guidance counselor at the school from 1966 to 1974.

She is a member of the North Central Association of Colleges and Schools Commission on Institutions of Higher Education and has served as team chairperson of that organization since 1981. Rice is also a member and vice president of the Council for Occupational Education of American Association of Community and Junior Colleges.

PLEASE TAKE NOTE!

F.I.T. PHONE
NUMBER CHANGE
New Number: (305) 768-8000
Alumni Affairs: (305) 768-8029

ALUMNI WEEKEND 1985
April 13 - 15, 1985
Look forward to great events and
further information!

Alumni survey reveals interesting facts

Below are responses to some pertinent questions asked on our survey conducted last year. Included are only those questions that I felt you would be interested in knowing about. For complete results, please contact the Alumni Office

- Number of surveys received: 1200
Response rate: 15%
- Alumni working in major 81%
 - Income range:
 - 0-5K 3%
 - 5-15K 5%
 - 15-25K 17%
 - 25-50K 66%
 - Over 50K 7%
 - Comments on F.I.T. Experience:
 - Favorable 41%
 - Unfavorable 2%
 - No comments 57%
 - "Update" articles of interest:
 - Alumni notes 18%
 - Campusnews 16%
 - Research news 13%
 - Feature articles on alumni 12%
 - Articles on research 11%
 - All others under 10%

- Alumni who have attended Alumni Weekend 10%
- What factors prevent alumni from attending:
 - Cost of transportation 25%
 - Shortness of time 22%
 - Time of year 21%
 - Cost of lodging 15%
 - Other 10%
 - Wouldn't want to come 6%
 - Cost of weekend events 3%
- Time of year alumni prefer for Alumni Weekend:
 - April 18%
 - February 16%
 - May 13%
 - March 13%
 - All others under 10%

**Alumni Weekend will be April 13-15.*
- Have you ever made a donation to E.I.T.
 - No 67%
 - Yes 33%
- If you have not donated, why not:
 - I didn't have funds 34%

- No one asked me to give 14%
 - I didn't feel the obligation 9%
 - I don't know why 9%
 - All others under 9%
- Do you plan to donate in the future:
 - Yes 53%
 - Don't know 40%
 - No 7%
 - Preferences for areas of giving:
 - Particular department or school 34%
 - Scholarships 21%
 - Library 19%
 - Athletics 8%
 - All others under 8%
- Survey also identified:
- Over 200 alumni willing to assist in admissions recruiting.
 - Over 100 alumni willing to assist in placement efforts.
 - Over 100 alumni willing to assist in So-op education efforts.
 - Over 100 alumni willing to assist in organizing alumni clubs in their areas.

Recruiters looking for you!

We encourage all alumni in the following areas to drop by and meet our F.I.T. representatives on the road. This is an opportunity for you to see the changes in F.I.T. as well as talk to some alumni who work at the respective campuses.

NOVEMBER 1984

11/14-11/15 - Cleveland National Fair, Convention Center, Bob Rowe (MLB), Faith Aubin (JBC)

11/28-11/29 - Milwaukee National Fair, Downtown Civic Center, Patti Larson (MLB), Faith Aubin (JBC)

ALUMNI WEEKEND 1985 April 13 - 15, 1985

Look forward to great events and further information!

Annual Report summary

ANNUAL GIVING:

	1982-83	1983-84
	\$3,000.00	\$14,171.30
BREAKDOWN: Buy a Book Donations	\$5,354.80	
Athletic Donations	5,000.00	
Miscellaneous Donations	3,817.50	
		\$14,172.30

Increase in Annual Giving almost 400%.

ALUMNI CLUBS:

- EXISTING: Pascagoula, MS
Taipei, Taiwan
Crew Alumni Club
Huntsville, AL
- BEING ORGANIZED: Philadelphia, PA
BEC Club
- IN PLANNING: Northern New Jersey
Dallas, TX

ALUMNI ADDRESSES:

	1982-83	1983-84
Valid Addresses	4000	9000
Alumni Lost	4000	2000
Alumni w/Employers	100	2600

SUMMER VACATION PROGRAM:

	1982-83	1983-84
Profits	\$223.38	\$1,415.61
Attendance	35	40

ALUMNI WEEKEND:

	1982-83	1983-84
Attendance	100	150
Profits	(\$300)	\$300

ALUMNI/ADMISSIONS RECRUITMENT:

	1982-83	1983-84
Alumni/Admissions Volunteers	Less than 10	50
Volunteers utilized to date	Less than 10	15

(*still in progress)

NEW AND EXISTING ACTIVITIES:

- Job Search Assistance
- Job Search Networking
- Alumni Job Referral Service
- Pre-graduation Congratulations Gatherings
- Alumni Travel Program

Publications: Alumni Volunteer Admissions Training Manual
Alumni Club Organization Manual
UPDATE

R. Layne Dubose	'61, '63
Richard Pully	'62, '65
George Radford	'64
James Plumb	'64, '67
Donald Merritt	'66
Phillip Maxwell	'67
Frederick Burgett	'68
Douglas Lipxomb	'68
Ira Cottrell	'69
Robert Copeland	'69
Donald Paul	'69
William Sandusky	'69
Bernard Fuchs	'70
David Greenfield	'70
John Kingsley	'70
Ralph McKee	'70
William Willmott	'70
Nicholas Rodopoulos	'70
Edward Beattie	'70
Joseph Fields	'71
John Danilson	'71
Robert Mathewson	'71
Carlos Cueto	'71
Peter Tozzi	'71
David Kreigman	'72
Vernon Ausherman	'72
Michael Damron	'72
Edward Sidkowsky Jr.	'72
David Beall	'72, '75
John Vincent	'72
Paul Joyal	'72
George Morstatt	'72
Terrence Applebee	'73
Gary Busko	'73
Thomas Waters	'73
A. Vito Kamiskas	'73
Paul Phillips	'73
Arthur Murphy	'73
Stuart Mendelsohn	'74, '75
Robert Schmelzer	'74, '75
Roy Highberg	'74
Dallas Bievoff	'74
Gerald White	'74
Victoria York	'74
William Dietz Jr.	'74
Jeffrey Bass	'74
Henry Biscardi	'74, '75
Robert Heidinger	'74
Betty Preece	'74
Hugh Wilson	'74
Roy Amende	'74
Carl Rizzo	'74
Robert Phebus	'74
Manuel Figueroa	'74, '75, '81
Paul Bernhard	'75
Marc Michalovsky	'75
Fred Komoroski Jr.	'75
Thomas Stewart III	'75
David Robinson	'75
Carl Wagner	'75, '76
Bruce Limber	'75
Judith Milnikoff	'76
David Hardee	'76
Allyn Saunders	'76, '80, '83
Rebecca Bass	'76
John Ounembo	'76
Leonel Enriquez	'76
Richard Ankener	'76
Evan Futterman	'76, '78
Charles Wortz	'76
Joan Schramm	'77
Robert Houston Hill	'77
Graig Calabrese	'77

Mark Lewis	'77
Daniel Moyer	'77
Richard Nunn	'78
Kim Jablonski	'78
Bruce Carskadon	'78
Robert Saskissian	'78
Richard Wright	'78
Marta Janauschek	'78
Robert Choiniere	'78
Joseph Ellis	'78
Leslie Sivak	'78
William Sharples	'78
Samuel Setzer	'78
Harold Shappell Jr.	'78
Minerva Figueroa	'79
Ken Haizlip	'79
Michael Kimel	'79
Gregory Pifat	'79
Charles Polson	'79
Thomas Hewitt	'79
Martin Dipper Jr.	'79
Michael Borga	'79
Judi Marino	'79
Witworth Cotten	'79
Junes Mueller	'79
Deborah Pinkston	'79
Wayne General	'80
Stephen Bailey	'80
James Dahmann	'80
Thomas Kunhart	'80
Thomas J. Williams	'80
Stephen Noble	'80
Joseph Fields	'80
John Allis	'80
James Fairall	'80
Rudy Frahm	'80
Maria Rondon	'80
John DalSanto	'81
Philip Sponder	'81
Daniel Kelleher	'81
Mary Osborne	'81
Jeffrey Fore	'81
Andrew Barron	'81
Carol Philpot	'81
Greg Ulsh	'81
Mark Achenbach	'81, '82
Jonathan Plavnick	'81
Peter Gibbs	'82
John Higgins	'82
Mark Michon	'82
Antonio Gala	'82
Christopher Bacius	'82
Cindy Ulsh	'82
Evelyn Wolf	'82
Willard Johnson Jr.	'82
Johnnie Steuber	'82
Ilka Williams	'82
Donald Lusk	'82
Kenneth Ingram	'82
Susan Wahl	'83
Anne Diebel	'83
Jefferson Hart	'83
Patrick Knewko	'83
William Braun	'83
Keith Sturgess	'83
Steve Morgan	'83
George DeRoek	'83
Ralph Johns	'83
John London III	'83
John Jenkins	'83
Cy Lynch	
Donald Thibeault	
Sharon Atkinson	



Wedding belle & beau

Lawfully wedded FIT alumni now include Sally Harrington (B.S./Mgt. Sci. '80) and Joe Eckelman (B.S./E.E. '79), both former crew members. Eckelman serves as an Alumni Association board member and president of Crew Alumni. The gathering of alums included (back row, left to right) Mark Wagner, Mike LeBlanc, Bob Maxson, Keith Hoch, Howard Rivenburg, Bill McGovern, Tom Breeden, Barb (Reed) Vega, Dave Fuerst, Andres Bagdikian, Missy (Blaska) Maxson, Tom Baxter, and Alumni Director Judi Marino. Also attending were (front row, left to right) Val Barber, Doug Engler, the groom, the bride, Beth (Brindisi) Feaster, and Jeff Kormanec.

Edward Valickus (AS-Flt. Tech.) has been selected as instructor pilot of the month for the 96th Flying Training Squadron. Edward is a first lieutenant in the Air Force, and is stationed at Williams AFB, AZ.

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Joseph Carlson (BS-Chem Ocean) is currently a commander at Fort Drum, NY, for an Army bomb disposal unit. Joseph has been married for a year now. He and wife Jehnifer, a registered nurse for public health services, are expecting their first child in January.

Susan Bogden (BS-Bio.) is marrying George Fraser, an electronics specialist in the Canadian Air Force, on June 22. They will be honeymooning in Greece. Susan is currently a portrait artist during the day and a duty supervisor with the Canadian Air Force at night. Susan and George will live in Baden Soilingen, West Germany.

Ronald Veirs (BS-Air Comm.) will be married on December 8 in San Antonio, TX. Ron is currently flying F/A-18's at the Naval Air Station in Lemoore, CA.

Edward Stone (MS-Log. Mgmt.) was recently promoted and reassigned after completing three years as a logistics instructor at the Army Logistics Management Center at Fort Lee, VA. Edward will now be at Fort Lewis, WA.

Rebecca Rose (BS-Mar. Bio.) is employed as a forensic chemist analyzing evidence for controlled drugs for the New Hampshire State Police in Concord, NH.

Keith Veren (BS-Bio.) is currently working with Dr. Robert Gallo's group on "Human T-cell leukemia/lymphoma virus." Keith is living in McLean, VA.

Natalya Ovsianico-Koulikowsky (BS-Mar. Bio.) is working on experimental crustacean mariculture in Matthewtown, Inagua, the Bahamas.

David London (MS-Contract Mgmt.) has just been decorated with the Air Force Achievement Medal at Edwards Air Force Base, CA. David is a captain in the Air Force and is a project engineer with the 6595th Aerospace Test Group.

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Jeffrey Pounds (BS-Air Comm.) has graduated from the Air Force Pilot Training Program. He received his silver wings at Vance Air Force Base, OK.

Dave Thompson (AS-Petro. Tech.) is completing his BS in geology at University of South Florida in Tampa.

David Asherman (MS-Coastal Mgmt.) has recently returned to Maine after years of living and working in California with an environmental consulting firm. David and his wife Cindy are now living in Yarmouth, ME. David is working as a planner with the E.C. Jordan Co., an engineering firm.

Edward Moore (BS-Air Comm.) has graduated from the Air Force Pilot Training Program and has received his silver wings at Vance Air Force Base, OK. Edward will now serve at Clark Air Force Base in the Philippines.

David Stephen Matthews (BS-Air Comm.) is currently working as an engineer in Houston. He is a controls instructor responsible for training America's astronauts on the systems of the Space Shuttle.

Charles Martin (BS-Air Comm.) has graduated from the Air Force Pilot Training Program at Columbus Air Force Base, MS. He was a distinguished graduate of the course. Charles will now serve at Andrews Air Force Base, MD.

William Laymon (MBA) has been reassigned to Yuma Proving Ground, AZ. William is an Army captain with Headquarters Company.

Sukhdev Kapur (MS-EE, MS-CS) is presently living in Santa Clara, CA. Sukhdev is a senior software engineer with Fairchild ATE.

Edward Walsh, Jr. (BS-Air Comm.) has graduated from the Air Force Pilot Training Program at Laughlin Air Force Base, TX. Edward will now serve at Westover Air Force Base, MA.

Pam (Smith) Winegar (Tech. Comm.) and Richard Winegar (Molec. Bio.) are presently living in Oak Ridge, TN. Richard is working on his Ph.D. at the University of Tennessee, studying the effects of radiation on chromosomes, and how it pertains to birth defects. Pam is working part-time at the university as well.

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Jerald Heinz (MBA) recently took over command at the Coast Guard Air Station. El-

ington AFB, Houston. He has had a very distinguished career in the Coast Guard and assumed command from Commander Billy Cunningham.

Brian Tenny (BS-Space Sci.) is currently living in Pico Rivera, CA. He is an engineer with Northrop.

Louise Jenkins (MBA) has moved to Gainesville, FL with her son Keith. She has been promoted to operations manager with Bear Archery Co.

Frank Thomas (MBA) is presently employed at Johnson & Johnson Home Health Care Inc. in Tampa. He and wife Donna live in Lutz, FL.

James McGee (MS-Trans. Mgmt.) is a transportation officer with the Army. James and wife Linda live in Newport News, VA.

Otis Lee Haislip (MBA) and wife Phyllis are currently residing in Yorktown, VA.

Michael Guthrie (MBA) works for the Army as a transportation system manager. He and wife Judith live in Newport News, VA.

Donald Johnson (BS-Eng.) presently resides in Orlando, and is a general engineer for PM Training Devices at the Naval Training Center.

Thomas Brown, Jr. (MS-Trans. Mgmt.) works for the Army at Fort Eustis in VA.

Richard Henry (BS-Engr.) is currently living in Marlborough, CT. He is an engineer with General Dynamics, Electric Boat Division.

Michael Sexton (BS-Air Comm.) has been in 22 states in eight months, working for charter service Hawthorne Aviation, and flying twin engine turboprops. Michael lives in Sandston, VA.

Jeff Miller (BS-Air Comm.) has just been employed by PBA as an assistant operations supervisor. He will be living in Naples, FL.

Charles Mittelstadt, Jr. (BS-Air Comm.) is working with Aviquipo Inc., a division of

Lear-Siegler. He is a customer service representative in Lyndhurst, NJ. Charles is to be married on February 9 to Brenna Maureen Wall of Palm Bay.

Thomas Braski (BS-Elec. Engr.) is presently working in the test engineering department on the space telescope for Lockheed (LMSC) in Sunnyvale, CA.

Andre LaRoche (MBA) is executive director at the Gables at Old Farms Forest in Farmington, CT and presently resides in West Hartford, CT.

Ricardo Nunez (BS-Avi. Mgmt.) was married May 11 to Jacqueline Valiadanes and they are expecting their first child. They live in Caribe Dpto. Varagas, Venezuela. Ricardo is a flight engineer on a B-727 for Avensa.

Diego Marquez (BS-Air Comm.) was promoted to co-pilot on Convair 580. Diego flies for Avensa in Caracas, Venezuela.

Kenneth Perry (BS-Math.) has earned his wings as a navigator and will report to Kadena AFB in Japan. There he will fly KC135's.

Paul Siers (BS-Air Comm.) is studying law at the Urye Universiteit in Amsterdam.

Khalid A. Alali (MS-Bio.) is working as an instructor in the zoology department at the University of Qatar. He is also the supervisor for the cytogenetic section in the laboratory department of Hamad General Hospital.

Glen Wattman (BS-Avi. Mgmt.) has been commissioned a second lieutenant in the Air Force. Glen will be assigned to Mather AFB, CA.

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Thomas Murray (BS-OE) has taken a job in Palm Beach, FL, with Pratt & Whitney Aircraft. Thomas currently resides in Palm Springs, FL.

Patrick Davis (MBA) is a captain in the

Army, assigned to Aberdeen Proving Ground, MD.

Robert East (MS-Log. Mgmt.) is a captain in the Army, currently stationed in Vicenza, Italy.

Robert Gibbs (MS-Human Res. Mgmt.) is a manager for Proctor & Gamble in Huntsville, AL.

Joel Moshe Klein (MS-Cont. Mgmt.) is a research physicist for the research division of CRDC at the Aberdeen Proving Ground, MD.

Ali Nazemi (MS-EE, MS-EM, MBA) and his wife Dawn welcomed a baby boy named Ali Nazemi, Jr. (A.J.) on March 31, 1984. Ali is director of Professional Development at F.I.T.

Stan Long (MBA) is department manager for Computer Science Corp. in Prince George, VA.

Robert Schmid II (BS-Env./Aqua.) is working on commercial dolphin culture for Harbor Branch Institute in Ft. Pierce, FL.

Eric Zillmer (Ph.D.-Psy.) has accepted a postdoctoral fellowship in neuropsychology at the University of Virginia Medical School in Charlottesville, VA.

Ralph Perry (BS-Math. Sci.) has graduated from the Air Force Pilot Training Program at Mather Air Force Base, CA. He will now serve at Kadena Air Base, Okinawa, Japan.

Michael Franck (MBA) is a technical publications writer with the U.S. Tank-Automotive Command in Warren, MI.

Neil Cramer (MS-Sys. Mgmt.) is now residing in Newton, NJ, and is a project management engineer for the Army in Dover, NJ.

Karen Williams (BS-Mar. Bio.) is working for a pharmaceutical firm in Fort Lauderdale, FL.

Mary Moore (BS-Mar. Bio.) is in graduate school in Fairbanks, AK, studying marine biology.

William Jeffrey Miller (BS-Bio. Ocean.) is now working as a dive master in the Cayman Islands in the British West Indies. He recently received his PADI instructor certification.

Dear Alumni:

I hope your summer was relaxing and prosperous! Ours was pretty quiet here in Alumni Affairs; summer vacation program ran smoothly and we've been planning, planning, planning!!!

I think you'll find lots of interesting information and opportunities in this issue, so read carefully and get involved in the fun!!

I'll be visiting several areas this fall and have many alumni interested in starting alumni clubs. If you are interested in getting involved, please let me know. We'll be organizing in the following areas:

Philadelphia, PA
Southern CT - General Dynamics/Electric Boat
Northern NJ and surrounding areas
Dallas, TX
Hartford, CT

The first-ever F.I.T. alumni directory is coming and we still sorely need employer data. Also, we need to find correct addresses if some of you still have correspondence going to your parent's address. So please help!! We'd like to make the directory as perfect as possible.

Keep in touch!

Judi Marino

P.S. SPECIAL CONGRATULATIONS TO: Jeanne Flanagan (B.S. Oceanography '79), Gold medal winner - Summer Olympics in Crew Race (Women's Eight)

ALSO TO: Casey Baker (B.S.-O.E. '79) and Glenn Bunting (B.S.-O./Bio. '74) for providing F.I.T. with National Exposure on the cover of U.S. News and World Report, August 13 issue.

WE'RE VERY PROUD OF YOU!

Visitors happy

For four consecutive weeks this summer, alumni visited the Melbourne Campus at F.I.T. and were housed in our Southgate Apartments. Although attendance was only slightly higher than last year, alumni stayed longer and had fewer surprises concerning housing arrangements.

Alumni came from many cities to take in the Florida attractions and sunshine. Many guests from our off-campus sites were able to see the Melbourne campus, and many mid-westerners saw the ocean for the first time!

Monday evening ice-breaker receptions provided alumni association board members the opportunity to meet some alumni, and Friday morning breakfasts gave alumni a chance to converse with Dr. Keuper and several other F.I.T. administrators.

We have found the summer vacation program can be profitable as well as beneficial to alumni relations. The alumni association looks forward to hosting this event again in Summer 1985 and hope to see you there!

Campus news capsules

- Dr. George C. Webster, 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.

- 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 Simone 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.

- * Jack Schwalbe, associate professor of civil engineering, was a speaker at the recent Seminar of 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.

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

- 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.

- A \$30,000 "topping grant" from the William G. Selby and Marie Selby Foundation is to help in the purchase of a new central computer to support academic programs at the Jensen Beach campus. The foundation, a perpetual trust established in 1955, provides scholarships for Florida residents and supports higher education in the state, as well as many social services, cultural and youth programs.