

The Pelican

A Newsletter for the F.I.T. Family

VOLUME XII

MAY, 1980

NUMBER FIVE



Dr. Evans Heads Development

The appointment of Dr. John R. Evans as vice president for development affairs has been announced by Dr. Keuper.

Dr. Evans comes to the university from a post as director of development of Tulane Medical Center in New Orleans. He was the final selection of the search committee that reviewed applications submitted by nearly 75 professionals seeking the position.

Dr. Evans joined Tulane Medical Center after holding a similar position at the University of Tulsa, Oklahoma. Prior to

that he was involved in development work and teaching at Northrop University in Inglewood, Calif., and at Claremont University Center and Graduate School in Claremont, Calif.

After receiving his bachelor of science degree in commerce from the University of Southern California, Dr. Evans earned the juris doctor degree at Loyola University School of Law in Los Angeles. He is also a graduate of Harvard University's Institute for Educational Advancement.

Tom Adams Development Associate

Tom Adams, former Lieutenant governor and secretary of state for the State of Florida, has joined the university as development associate. Dr. Keuper has announced.

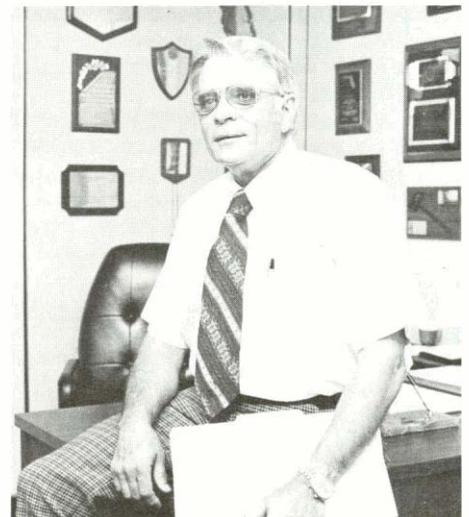
Adams moves to Melbourne from Hialeah. He has served there as chairman of both the Dade County Industrial Development Authority and as chairman of the Northwest Dade Committee of 100.

A former member of the F.I.T. board of trustees, Adams was in 1962 honored along with NASA astronaut Gus Grissom in receiving the university's first honorary doctoral degrees. His long association

with the university includes being largely responsible for F.I.T. acquiring its name.

In nearly two decades of service as an elected Florida official, Adams served in the state senate before becoming secretary of state. In 1970 he was elected as Florida's tenth lieutenant governor, serving with Governor Reubin Askew.

It was during his work as secretary of state that Adams founded the Florida-Colombia Partners to foster person-to-person international relationships. The organization's headquarters was later transferred to F.I.T., where it remains.



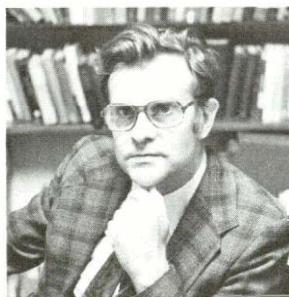
Grant to Dr. Dubbelday Aids Hydroacoustic Research

Dr. Pieter S. Dubbelday, professor of physics and oceanography, has received from the National Science Foundation (NSF) a "Science Faculty Professional Development Award."

The \$13,300 award will allow Dr. Dubbelday to engage in hydroacoustic research for two summers that will produce ideas and techniques to enhance F.I.T. academic programs.

Part of a national program, the NSF award to Dr. Dubbelday will support a pair of three-month work periods at the Underwater Sound Reference Detachment of the Naval Research Lab at Orlando.

Dr. Dubbelday, who received his doctorate in nuclear physics from the Vrije Universiteit at Amsterdam in the Netherlands, has been associated with F.I.T. since 1962. Active in research, he



Dr. Pieter Dubbelday

has recently delivered scientific papers at gatherings of leaders in the fields of both acoustics and magnetic fluids.

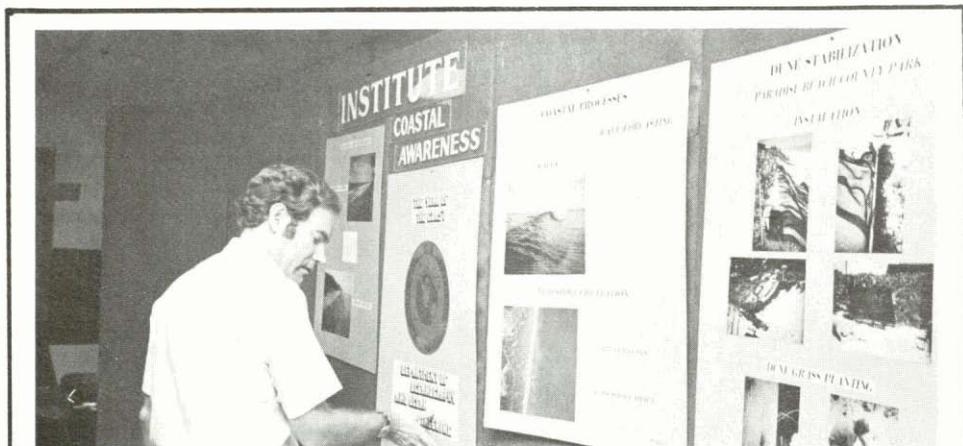
"All of this activity should be conducive to the teaching of undergraduate students at F.I.T.," Dr. Dubbelday said of NSF-backed work that will include designing and constructing an acoustic tank facility.

Experiments will also be designed. One will use "hot-film anemometry" to detect low-frequency sound waves moving through water. In the process, a very thin wire is heated by electrical current. "The cooling of the heated wire is a measurement for the swiftness of a current in the water," Dr. Dubbelday explained.

"I want to use the technique to measure the currents that are connected with the passage of a sound wave," the professor said of engaging in pioneering work.

The total project supported by NSF is to cover a broad spectrum of production, propagation and reception of underwater sound; calibration and testing of equipment in the laboratory and under field conditions; application of fiber optics to sound detection, and interfacing of computers with acoustic equipment.

CAMPUS NOTES



GETTING READY for the **National Hurricane Conference** in **Orlando** is a job for **Dr. Donald K. Stauble**, both in **preparing a display** on F.I.T. ocean research and helping the Florida Shore and Beach Reservation **Association** in conference **planning**. **Dr. Norbert W. O'Hara**, **O&OE department head**, **chaired** opening sessions at the conference, **attended by Takaaki Anzia and grad students**.

Dr. Thomas V. **Belanger** of Environmental Science and Engineering, along with former graduate student **Jeff Leed**, presented a research paper in March at the Warmwater Streams **Symposium** in Knoxville, Tenn. The paper was entitled, "Selected Trace Metals in the Upper St. Johns River Basin and Their Land Use Relationships."

Dr. Belanger is also presenting a paper at the University of Central Florida's Research and Professional Environmental Seminar on May 6. That paper is on the "Impact of Drainage Canals on the Water Quality of Lake Washington and the Upper St. Johns River."

Dr. Thomas E. Bowman of Mechanical Engineering accompanied seven undergraduate students to the American Society of Mechanical Engineers Region XI Student Conference at Atlanta in April. Two F.I.T. students presented papers. Joy **Pottinger's** topic was "Combining a Flat-Plate Solar Collector and a Concentrator for Steam Generation," and **Martyn Eastwood** reported on "Computer Simulation of Air Flow Over an Automobile Body Using the Source Panel Method."

Dr. Bowman was earlier elected secretary of the Region XI Mechanical Engineering Department Heads. Region XI includes Florida, Georgia, Alabama, Mississippi and most of Tennessee. His **two-year** term begins in 1981.

Dr. H. M. **Stirts**, recent Ph.D. graduate in Biological Sciences, and Dr. Kerry B. Clark, associate professor in that department, jointly published a paper entitled "Effects of Temperature on Products of Symbiotic Chloroplasts in *Elysia tuca Marcus*" in the current volume of the "Journal of Experimental Marine Biology and Ecology."

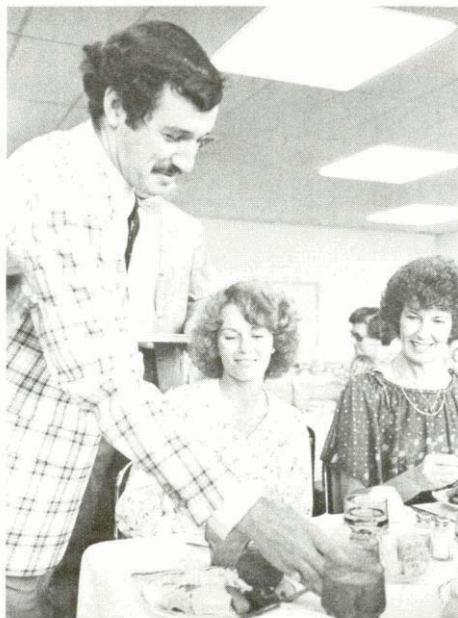
At the annual business meeting of the Florida Academy of Sciences, Dr. Richard L. Turner, assistant professor of Biological Sciences, was elected Counselor-at-Large.

Dr. **John J. Thomas** of the **Medical Research Institute** recently was awarded

a certificate of recognition by NASA for his work in development of new technology for use in the cleaning of Space Shuttle fuel tanks. A NASA Tech Brief publication will outline his work on the "Use of Acetylacetone Solutions as Scrubbing Liquors for **Monomethylhydrazine (MHH)**."

Dr. Ed **Strother** of Physics and Space Sciences spoke recently before **200 persons gathered** for the monthly **meeting of the Pan American Management Club**. Talking to the Cocoa Beach audience about "The State of Art of Lighter-Than-Air Technology." Dr. **Strother** found an especially receptive audience among those involved in the "Telta" program at Cape Canaveral Air Force Station, which centers on work with a tethered aerostat.

Takaaki Anzai, Dr. **Terrell Roberts**, Dr. Don Stauble, and several graduate students from Oceanography and Ocean



SGA LUNCHEON for **secretaries** found **Jeff Brown** serving **Karen Adamo** of housing, and **Marion Karchefski** of **international student affairs**.

Engineering attended a Coastal Construction Practices Seminar recently that was sponsored by the Florida Sea Grant and Marine Advisory Program, the Brevard County Erosion Control District Advisory Committee and the City of Satellite Beach. The seminar included presentations on use and misuse of coastal construction, state and local laws governing coastal construction, methods of protecting coastal structures, and requirements of the new Federal Flood Insurance Program.

Dr. Stauble, Dr. Fred Moms and Dr. **Sonny Breeding** also presented a **poster display** of coastal engineering research interests of Oceanography and Ocean Engineering, including dune stabilization, canal modelling and flushing, wave forecasting and coastal remote sensing.

Dr. Jane **LeMoine**, assistant professor of English and coordinator of the Individualized Learning Center, attended the 31st annual meeting of the Conference on College Composition and Communication recently in Washington, D.C.

James N. **Irvin**, lecturer in English, attended Southeastcon 1980 -- the southeastern regional conference of IEEE -- recently in Nashville. He presented a paper titled, "One Engineer's Approach to Teaching Clear Technical Communication."

Rita Carmona, reference librarian, attended a workshop on Orbit database systems recently at the University of Central Florida.

Jane **LeMosy** and **Lois Sigler** of the library staff attended a workshop on ISI systems recently in Orlando.

Dr. Roberto **Fainstein** of Oceanography and Ocean Engineering is to present a paper at the Offshore Technology Conference on May 9 in Houston. The paper concerns the interpretation of magnetic anomalies at the Eastern South American Upper Continental Margin.

Mrs. Geraldine S. **Blackford** has joined the ROTC staff as a military personnel clerk.

Dr. John C. **Hozier**, assistant professor of Biological Sciences, presented a paper entitled "Cytogenetic Analysis of the Mouse Lymphoma Mutagenesis Assay System" at a recent meeting of the Environmental Mutagen Society held at Nashville. The paper describes work done in collaboration with laboratories of the federal Environmental Protection Agency and the **Burroughs Welcome Corp.**

Chemistry seniors **Chris Shannon** and **Liem Dang**, and Environmental Science graduate student **Michael Lenkench**, will present papers at the 1980 Florida Section Meeting-in-Miniature of the American Chemical Society at Tampa on May 8-10.

The chemistry students have been conducting senior research projects with Dr. Michael W. Bahich on "Solid-Phase Anation Reactions of Tetrammineaquasulfatocobalt (III) Complexes." Lenkench has conducted masters degree research with Dr. Richard D. **Mounts** on "Factors Affecting the Measurement of Complexation Capacity by Anodic Stripping Voltammetry."

Jensen Additions Are Announced

The appointment of Victor Simonsen as associate director of student financial aid and coordinator of veteran's affairs for the Jensen Beach campus has been announced by John R. Cottle, director of business and financial affairs.

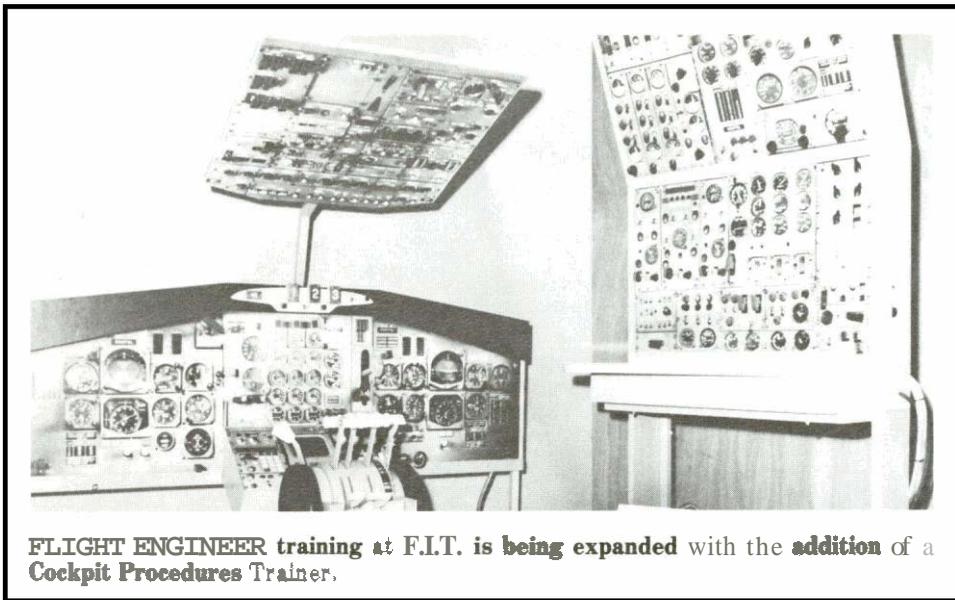
And the appointment of Mrs. Kathy Childs as admission counselor at Jensen Beach has been announced by Dr. Dennis King, dean of students.

Simonsen is a 1958 graduate of Knox College in Illinois. An Army career included service as director for services and administration at an Army Depot in Kentucky and on the faculty of the Army Ammunition School in Alabama. He also served on the general staff of the Army Material Command in Washington, D.C., and completed overseas assignments in Vietnam, Korea and Okinawa.

A Stuart resident since 1972, Simonsen has been involved in the real estate business there. He is a member of the Rotary Club of Stuart, and of the First United Presbyterian Church in that city.

Mrs. Childs graduated from the University of West Florida at Pensacola. She holds a masters degree in educational administration from the University of Montevallo in Alabama, and is currently involved in graduate work at Florida Atlantic University.

Formerly a teacher at Martin County High School, the Florida native has assumed recruiting duties for F.I.T. that include directing the activities of a newly formed Student Recruitment Corps that will assist admissions efforts.



FLIGHT ENGINEER training at F.I.T. is being expanded with the addition of a Cockpit Procedures Trainer.

Simulator Aids Flight Engineers

The School of Aeronautics has announced the acquisition of a Cockpit Procedures Trainer that will expand the training available for turbo-jet flight engineers.

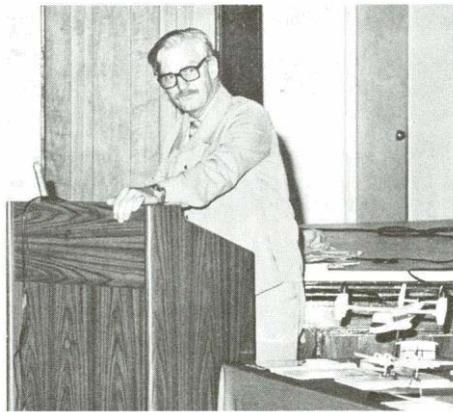
The device, housed in newly constructed quarters at the Aviation Center at Melbourne Regional Airport, simulates flight functions performed by the captain, co-pilot and flight engineer on a Boeing 727. The FAA authorizes such training in place of in-flight practice that is much more expensive and results in the consumption of huge amounts of fuel.

During the last academic quarter 21 School of Aeronautics students completed the FAA's tough written exam for flight engineers. And a 16 credit-hour course during the winter quarter prepared them for the agency's oral exam.

The new simulator will accommodate a major part of their next phase of training. The device simulates normal and emergency procedures, allowing on-ground practice in engine starts, fuel management, anti-ice control pressurization, engine and wheel-well fires, electrical system malfunctions and air conditioning.

Each student will spend 16 hours at the flight engineer's console, and that same amount of time at the captain and co-pilot stations learning air crew coordination.

Arrangements have been made with Pan American-National in Miami, with American Airlines at Dallas-Ft. Worth, and with Flight International in Atlanta for students to acquire any additional simulator training needed. They can also obtain a 727 check-ride to complete requirements for flight engineer licensing.



PILOT EDUCATION was the goal recently as John Derrick of Aeronautics spoke to a gathering at Gleason Auditorium. The program was sponsored by F.I.T., the FAA and Alpha Eta Rho aviation fraternity.

Ministry Tour Visiting Europe

A September tour of Germany, Austria and Switzerland that includes attending a performance of the world-famous Oberammergau Passion Play is being sponsored by the F.I.T. Campus Ministry.

Father George H. Moreau, Ph.D., psychologist and Campus Minister, is to lead the Sept. 3-17 tour.

Along with attending the once-a-decade passion play presentation at Oberammergau, the tour includes visits to Frankfurt, Wiesbaden, Rothenburg, Mun-

ich, Salzburg, Vienna, Innsbruck, Liechtenstein, Lucerne and Heidelberg.

Half of the 42 reservations on the first-class tour had been taken by mid-April.

Cost of the tour is \$1,936 per person, fully escorted. Meals are included, as are first-class hotels and sightseeing. Rates are subject to change. Yvonne's Travel, 1520 S. Babcock St., (724-5200) is in charge of reservations.

MAY CALENDAR (Events in Gleason Auditorium)

- 11.18 SGA movies, 7 and 9:30 p.m., "Animal House," "Sentinel."
- 14 Greek Week skits, 7 p.m.
- 19 Omega Epsilon ocean engineering presentation. 7 p.m.
- 23 Astronomy Society movie, 6:30 p.m.
- 26 Golden Oldie Society movie, 7 p.m., "Fillmore."
- 30 Ballet performance. 8:30 p.m.
- 31 Golden Oldie Society movies. 6:30 p.m. "Let It Be," and "Help."



"If the next five years here at F.I.T. go as fast as the last five years, I won't get anything done around here."

Dale Simcox, supt. of bldgs. and grounds



Blake Jenkins



Len Giocondo — Lou Masselli



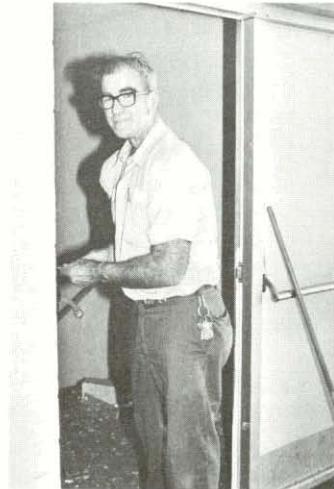
Floyd Pandle



Fred Clarke



Dick Truman



Jim "Shep" Shephard



Stanley Morris



Hank Hughes



Dewey F. "Rocky" Vos Winkle



Norman Birch

**They Stay
On The Go
To Keep
Things Going**