

# The Pelican

*A Newsletter for the F.I.T. Family*

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**Sarah Howze, coordinator of the FRESH program, retains her enthusiasm during hectic days.**

## Radio Expands

The voice of WFIT Radio is to take a giant leap this fall as the student-operated station's power jumps from 10 watts to 3,000 watts, according to Dr. Barry Fullerton, vice president for student affairs.

"The station is looking for ideas from faculty and staff," Dr. Fullerton said of planning for expanded programming at WFIT Radio.

"The programming format is going to change considerably. . . now the emphasis is going to be more on community interest," he said of reaching an off-campus audience northward to Titusville and southward to Vero Beach.

Clearing the way for the power increase and related changes was the recent granting of a construction permit by the Federal Communications Commission. Preparations for operations involving a new transmitter are already underway.

"The transmitter should arrive any day now. . . I would say by mid-October we should be on the air and going," Dr. Fullerton said.

The FM station will operate in a manner similar to a public radio station, with programs envisioned as including classical music, drama, news, special features and radio documentaries.

## Students Welcomed

[Photos on back page]

A record number of students are believed to have been welcomed to F.I.T. campuses at Melbourne and Jensen Beach during a hectic pair of start-up weeks.

"We've had roughly an eight percent growth rate over the last three years, and I think that growth will continue this year," said **Holmes Beausang**, Director of University Admissions.

**Beausang** said if the eight percent gain is recorded, "I will be pleased and a bit surprised." It would come at a time when the national student pool is declining and in the face of a yearly tightening of academic requirements at F.I.T.

"We're going to be hitting somewhere in the neighborhood of 850 to 900," **Beausang** said of new students.

At the Jensen Beach campus, Admissions Director Kevin Jones said **scrutiny** of enrollment indicators show "everything is up. I anticipate we will have an increase. How much it will be I don't know."

Last fall enrollment was just under 5,000, including 1,833 undergraduates at F.I.T.'s School of Science and Engineering and 755 Graduate School students. Also included were 759 students at Jensen Beach, location of F.I.T.'s School of Applied Technology, 639 students at the School of Aeronautics, and 800 at off-campus program sites.



**Student-operated WFIT Radio gets an assist from John Moore, a community volunteer, as preparations under way for power increase at the station.**

# Campus Notes

The Department of Psychology has announced the appointment of Dr. Arthur **Gutman** as an assistant professor. A graduate of Syracuse University and most recently of Georgia State University, Dr. **Gutman** is noted for his efforts to promote excellence in the teaching of psychology and for research in the area of stimulus control with animals. He is to teach full-time in the department as well as continue his research work.

Army Maj. Wayne E. **Kissinger**, who recently completed a three-year assignment in Europe, has been assigned as an F.I.T. instructor of military science. Maj. Kissinger received an ROTC commission from Drexel University, and holds a masters degree from Indiana University. The major has completed military training including the Command and General Staff College, and was most recently assigned in the Headquarters Office, U. S. Army Comptroller. He has served in other finance assignments in Texas, Thailand and Indianapolis.

Dr. T. E. Thompson, Reader in Zoology at the University of Bristol in England, spent most of the summer term as a guest researcher in the Department of Biological Sciences. Dr. Thompson, an internationally-recognized authority on molluscs, is the author with Sir Maurice Yonge of a new book entitled "Evolutionary Systematics of Bivalve Molluscs." While at F.I.T., Dr. Thompson performed research work in collaboration with Dr. **Kerry B. Clark**.

Dr. Maurice **Kurtz**, of the Civil Engineering Department, is serving as a member of the Flood Insurance Studies Committee of the National Academy of Science's Building Research Advisory Board. He is involved with the use of modern surveying and mapping methods to reduce the costs of maps needed to set flood insurance rates for homeowners and businesses.

Dr. **Edward Kalajian**, Associate Professor of Civil Engineering, co-authored a paper entitled "Stability of Pipeline in Sand Under Wave Pressure." The paper was presented at the American Society of Civil Engineers Specialty Conference, "Civil Engineering in the Ocean."

The Department of Chemistry has announced the appointment of Dr. J. Clayton **Baum** and Dr. Richard H. Moore to the faculty. Dr. Baum received his **Ph.D.** in physical chemistry from Princeton University. After post-doctoral work at the Institute of Molecular Biophysics at Florida State University, he taught chemistry at **Bowdoin** College. Research interests include molecular spectroscopy. Dr. Moore received his **Ph.D.** in organic chemistry from New Mexico State University. Postdoctoral experience has included work in alkaloids and electrochemistry at the University of Connecticut, and **lignins** and photochemistry at Temple University. His research interests include alkaloid and steroid syntheses, and the use of photochemistry and electrochemistry as synthetic tools.

Dr. **Ronald H. Jones**, Director of the F.I.T. Medical Research Institute, was invited to participate in the Armed Forces Radiobiology Research Institute's First Invitational Conference on Current Topics in Radiobiology. The Oct. 1 conference at Bethesda, Md., featured Dr. Jones as an expert

## Hall--P. E. Director

Les Hall, F.I.T.'s varsity baseball coach for the past two years, has been appointed Director of Physical Education, Director of Athletics Bill Jurgens announced.



**Les Hall**

Hall, whose baseball team posted 23 wins last spring to set an F.I.T. record for single season successes. **previously** taught and coached at Satellite High School at Satellite Beach. During 11 years of baseball coaching he was named Coach of the Year four times.

A 1959 graduate of Marshall University and named to the Mid-American *AAI* Conference Team in his senior year, Hall passed up an opportunity to play professional baseball in order to enter the teaching and coaching field.

## OCTOBER CALENDAR

- 3, 10, 13 Forensic Society, 7:00 p.m.
- 6, 12 Science Fiction films, *ROO* and 9:15 p.m.
- 7 Crew movie, 7:00 and 9:15 p.m.
- 14, 21, 28 S.G.A. films, "Midnight Express," "Foul Play," and "Psycho," 7:00 and 9:15 p.m.
- 20, 21 FITCON-6 (Science Fiction Convention)
- 26, 27 Musicana performances for United Campus Ministry, 8:00 p.m.

panelist in discussions of drugs that can protect humans from radiation, or sensitize humans to radiation.

Hugh Gibson of the School of Aeronautics was recently guest speaker at the annual conference of the International Council of Airline Maintenance Managers held at Barbados, British West **Indies**. He discussed development of air carrier management programs, and found delegates impressed with **F.I.T.'s** approach to flight and transportation technology education.

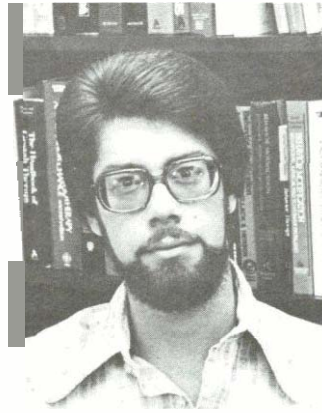
Dr. E. F. **Strother** of the Physics and Space Sciences Department recently completed a ten-week research project at Hanscom AFB, **Bedford**, Mass. Serving under an Air Force appointment. Dr. **Strother** worked as a visiting scientist in the Aerospace Instrumentation Division of the Air Force Geophysics Laboratory. Dr. **Strother** also recently presented a paper at the Lighter-Than-Air Systems Technology Conference held in **Palo Alto**, California, sponsored by the American Institute of Aeronautics and **Astronautics**. A highlight was the opportunity to pilot the **Goodyear** blimp "Columbia."



# Student Development Center Grows

Dr. Thomas H. Harrell has been named Director of the Center for Student Development, and will be assisted by founder and former director Father George (Dr. George H. Moreau).

Dr. Harrell, a clinical psychologist, was formerly Director of Community Relations at the University of Georgia. He obtained His Ph.D. while working in that position, and completed undergraduate work at East Carolina University.



Dr. Harrell



Father George

Father George relinquished directorship of the Center after completion of a five-year plan for its development. The Center was founded by Father George as a function of campus ministry, and it was for that purpose that the Diocese of Orlando assigned him to F.I.T.

"I felt that the time had come to turn the Center over to someone

else, since it was now a part of the Psychology Department and we needed additional personnel.

"As the university continues to grow, the Center must expand its services and no longer can it be a one-person operation. Dr. Harrell will provide excellent leadership."

Dr. Moreau will work on a part-time basis at the Center, will teach in the graduate school of psychology, and continue with the campus ministry.

"There are many other kinds of things I want to do in helping students, faculty, employees and families on the campus," he noted.

## Ocean Technology Students Employed

An aggressive effort to determine the fate of recent graduates from the four-year Oceanographic Technology program at the Jensen Beach Campus has shown the overwhelming majority have secured work in their field of study.

"I'm very pleased with this class," said Marguerite Gerstell, head of Engineering Sciences and Ocean Technology.

Placement information Ms. Gerstell tracked down shows that of 41 students obtaining Bachelor of Science degrees in March and June, 29 quickly found employment in studies-related positions. Of the other students whose whereabouts could be confirmed, three were entering graduate study programs and four more were reportedly in field-related jobs.

Employers ranged from Southern Bell to the National Oceanic and Atmospheric Administration, Eastman-Whipstock, Norrine Rouse, Westinghouse, General Dynamics, Schlumberger, Continental Laboratories, Offshore Tech Corp., Marine Geotechnics, U.S. Bureau of Land Management, Texas Instruments and Western Geophysical. One student joined F.I.T. as a shipboard instructor, and another began his own salvage boat operation.

Average of more than 20 reported salaries was \$17,040, ranging up to more than \$30,000 for one graduate.

Several of the students took jobs in offshore oil exploration efforts, Ms. Gerstell noted, where unusually demanding work can strengthen starting pay. F.I.T. courses in such subjects as electronics, acoustics and geophysics make graduates attractive to oil exploration companies.

Job locations were listed throughout the United States, while two students accepted assignments in another country.

"The class itself was quite cohesive," Ms. Gerstell said of one reason for the high employment rate. Several companies hired more than one graduate.

"This year we will graduate the same number of students, or slightly more," Ms. Gerstell said.



## Services Increased

During the school year, the Center for Student Development will be providing an expanded range of services.

Included will be educational groups focusing on topics including stress management, women's issues, assertiveness, weight control, decision making, and relationship enhancement.

The programs are designed to help students develop their potentials and improve their lifestyles, with specific offerings to be announced through on-campus notices.

The Center will also be providing vocational testing and career counseling for students, supplementing assistance offered by academic advisors. Specialized occupational interest and aptitude evaluations will be provided, and career counseling.

The Center will also continue to provide 'one-to-one' counseling for personal problems.

Assisting Center Director Dr. Thomas H. Harrell, a clinical psychologist, will be Dr. George Moreau, Ms. Barbara Tomalo, and Ms. Susan Brown.

The Center is open 8:15 a.m. to 5:00 p.m. on Monday through Friday, with services available at no cost to F.I.T. students. Appointments can be made in person, or by calling 723-3701, extension 337. The Center is located at the corner of Country Club Road and West University Boulevard.





Students Gigi Zadow and Dawson Spano view the recent appearance of Dr. Jerome P. Keuper, F.I.T. founder and president, on the Spanish-language program "Tertulia" [Forum] on WTOG Channel 44. Dr. Keuper, who taught himself to be fluent in Spanish, appeared as a guest on the popular program to explain the relationship of F.I.T. with Florida-Colombia Partners.



Dr. Barry Fullerton, vice president for student affairs, shows evidence of a hard-fought softball game involving students, faculty and staff as he chats with basketball Coach Roger Dufour.

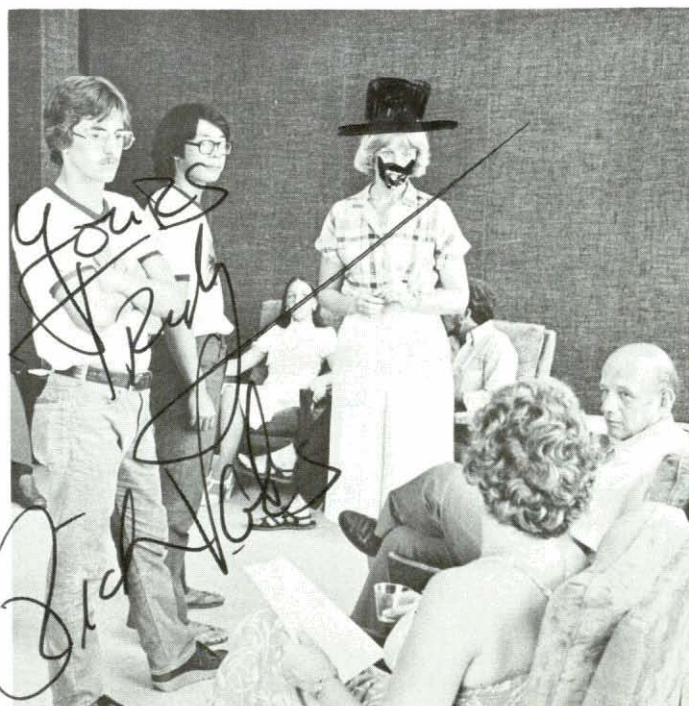
## School Year Begins



Master Sgt. P.F.D. Devlin prepares student Janice DeGroot for the ROTC art of traveling down a wall.



A WESH Channel 2 cameraman lines up Dr. Thomas Bowman [reflected at right] as reporter Rob Zaha [reflected at left] gathers information about a solar cooker developed at F.I.T. NBC News distributed the interview with Dr. Bowman, head of the Mechanical Engineering Department, on its nationally syndicated news network.



Dee Dee Pannell, assistant director of student life, explains campus activities to student parents with the assistance of Student Government Association guides Rich Vales [left] and Quenton Fong.