

The Pelican

A Newsletter for the F.I.T. Family

VOLUME XII

SEPTEMBER, 1980

NUMBER NINE



SEARCHING — Information is the object in the Computerized Literature Search overseen by Rita Carmona, left, and Joan LeMosy.

Looking For Literature

The Computerized Literature Search service available at the university library may not do all the work involved in gathering research information, but the system's two overseers explain it is a healthy start.

"It saves the students and faculty a lot of time," explains Rita Carmona.

Joan LeMosy noted that when information packages are pinpointed and requested by F.I.T. from a central data center, "it gets mailed the next morning." Sending the material via the computer system is considerably more expensive.

Currently most information heading for F.I.T. comes through the "Dialog" system of Lockheed Information Systems, headquartered at Palo Alto, Calif.

When a subject of research is entered into the system, the written material identified as available on the subject could come from periodicals, conference proceedings or books. But Rita points out, "you're not necessarily going to get everything."

Joan explains that many prospective users of the system expect too much, in fact. Abstracts and indexes normally available just smooth the path for "hands-on" searches that will be necessary.



HARD HAT — & Underwater Technology student at Jensen Beach is fitted into an airtight classroom.

Diving Students Linger Below

Ever wondered just how much time that students involved in programs within the Department of Underwater Technology at Jensen Beach spend actually immersed in their studies? Department Head J. W. Woodberry offers some answers.

Scrutiny of diving records covering the period between October of 1971 and December of 1979 showed a whopping 20,836 individual open-water dives.

Woodberry's statistics list 17,904 individual SCUBA dives, with students carrying air supplies on their backs. Another 2,337 individual descents have been made with air supplied from a surface supply, and 595 with a mixture of oxygen and helium supplied through air lines connected to a boat (a technique necessary for deep-water dives).

Students who enjoy the program must bubble while they work, Woodberry said. "We don't ever have people out there just to dive. There's always a purpose," he noted.

That purpose might center on a project involving marine biology studies, photography, salvage, or even shipwreck surveys. Students remaining topside during dives learn support techniques for open-water operations.

Just what goes into the creation of an F.I.T.-quality diver is indicated in the number of hours of underwater training activities logged in the Jensen Beach swimming pool or in a special underwater technology training tank—

That estimated training time totals a breathtaking 26,404 hours between 1971 and the end of 1979.



ABOVE, **Ph.D.** candidate **Janie** Park and fellow biology student **Jeff Webster** await the results of a liquid **chromatography** test, while **BELOW**, **Dr. Jay Burns** utilizes a potentiometer as **part** of **Physics** and **Space Sciences** Department endeavors.



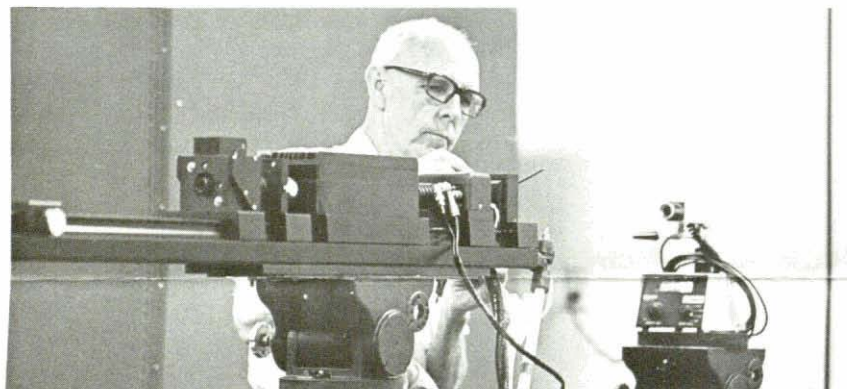
Summertime

... and the living is **easy**? Perhaps, but at **F.I.T.** the work went on through the hot months. There was business to be conducted in laboratories, classrooms and **offices**. Pictured **are** a few of the many faces of summer industry at **the** university.

ABOVE, **Dr. Michael Babich** works in a chemistry **lab**, while **AT RIGHT**, a student uses **the** ocean as a learning aid. **BELOW**, student **Kathy Austin** pursues biology studies with a protein survey.



ABOVE, student **Dave Trepanier** conducts a microwave experiment, and **BELOW** **Dr. Walter Nunn** readies a laser project. **AT RIGHT**, **Dr. Richard Mounts** prepares a liquid chromatograph for an analysis task in his chemistry lab. **AT FAR RIGHT**, student **Yacoub Alsaka** works as **Mojtabaa Chini** readies a microcomputer.



Campus Notes

The university was well represented at the recent NATO Advanced Research Institute on the role of solar ultraviolet radiation in marine ecosystems, held in Copenhagen, Denmark.

Dr. **Gary N. Wells**, associate professor of Biological Sciences, spoke at the gathering, describing NASA-sponsored research that he and graduate students performed on the effects of ultraviolet light on photosynthesis in marine **grasses**. While in Europe, Dr. Wells also took the **opportunity** to confer with researchers in Great Britain.

Dr. Dean Norris, associate professor of **Oceanography**, gave a pair of presentations at the Copenhagen institute. One was jointly authored by Dr. Norris with Dr. Joel Blatt, associate professor of Physics and Space Sciences, and former graduate students Chris Modert and Ray Petrilla. The second presentation was jointly authored with Dr. Blatt, Petrilla, and Mark Geiger.

Dr. Charles D. **Polson**, instructor in Biological Sciences, recently participated in a two-week workshop on the design of programs for computer-assisted instruction. The workshop was sponsored by the National Science Foundation and held at Northern Michigan **University**.

Dr. Maurice **K. Kurtz Jr.**, assistant professor of Civil Engineering, has successfully completed the Florida examination for professional engineers.

Rita **Carmona**, assistant head of the Library's reference department, recently married Thomas Treger. The ceremony was at Holy Name of Jesus Catholic Church in Satellite Beach.

Llewellyn L. Henson, director of F.I.T. libraries, successfully **com**pleted the defense of his dissertation recently. His **Ph.D.** degree will be granted in December, pending Florida State University's receipt of the final copy of the dissertation.

Published by

Public Relations Dept.

Next deadline Sept. 16



John Franco

Ambulance Squad Gets F.I.T. Help

(Photos on back page)

About 600 or 700 times a month, the Harbor City Volunteer Ambulance Squad springs into action. Often a **human** life depends on the speed and professionalism of the squad's emergency crews.

"This seemed to me one way to contribute to the community," one volunteer explained of being an emergency crew member. She is Judy Carter, of graduate admissions.

Judy serves as an emergency medical technician and crew chief, along with assuming administrative duties. She isn't alone in **representing** the university on the **ambulance** squad.

Sharon Irvin, an instructor in English, serves as a dispatcher. Her husband, Jim, is a lecturer in **English** as well as serving the **ambulance** squad as a driver, emergency medical technician and crew chief. He's also a senior engineer at Harris **Corp.**

DeeDee Looney, secretary in **Biological** Sciences, is currently a **trainee** at the ambulance squad. Pete Wood, an attorney who serves as adjunct professor of oceanographic law, is a dispatcher and **administrative** worker at the ambulance squad.

Many F.I.T. students also **volunteer** their time to aid the ambulance service, which is supported by donations.

The ambulance squad is currently backed by about 200 volunteers. The squad headquarters is located in Melbourne, with substations to serve Palm Bay and the **beach** communities.

Franco Heads Security Force

John F. Franco, a veteran law enforcement officer and former safety coordinator for the State of Connecticut, has joined the university as chief of security.

Franco served as a Marine in World War **II** before a 20-year career with the Hartford, Conn., police force. A Connecticut native, he next spent 13 years leading the state's public safety program.

He has attended both the University of Hartford and the University of Connecticut, and has been active in civic organizations and athletic programs for youth. (Franco has played both college and semi-professional football.)

"My door is open for any reason," Franco said of a policy he brings to his new post.

At F.I.T. he was preceded by his son, John F. Franco **II**. The younger Franco, a dean's list student, will be a sophomore this fall in the School of Aeronautics.

Franco and his wife, Gloria, have two other children. A daughter is a nurse in Connecticut, and another son is a company representative in St. Cloud.

Among those working with Franco are security office secretary Jane Sibert and security officer Gerald Robinson. Robert Mellor serves as a security coordinator, and William Freund as an evening security officer.

Admissions Director Named at Jensen

The appointment of Mrs. Jan Clarson King as director of admissions for the School of Applied Technology has been announced by Dean E. E. "Tim" Tealey, executive director of the Jensen **Beach** Campus.

Mrs. King graduated magna cum laude from Jacksonville University with a double major in history and humanities. She attended graduate school at the University of Florida and is pursuing a specialist of education degree in counselor education from Florida Atlantic University.

Mrs. King brings to the new post experience as an admissions counselor at Jacksonville University, and two years of work there as associate director of admissions.

EMERGENCY



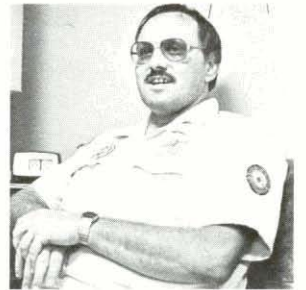
Judy Carter



DeeDee Looney



Sharon Irvin



Jim Irvin



F.I.T. RESPONDS?

University faculty, staff and students,
support the Harbor City Volunteer
Ambulance Squad. Story on Page 3.

