

# The Pelican

A Newsletter for the F.I.T. Family



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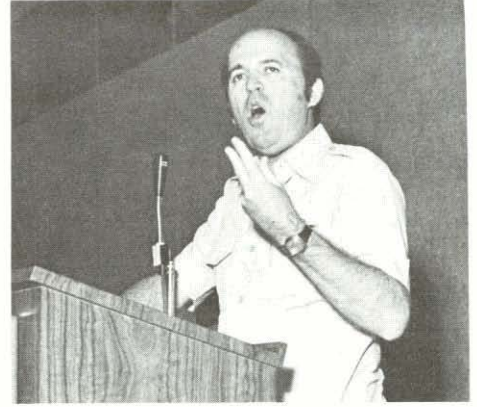
NUMBER SIX



**DR. PIETER DUBBELDAY**, professor of physics and oceanography, was named F.I.T. Teacher of the Year at annual awards ceremonies staged by the Student Government Association.



**DEE DEE PANNELL** of Student Activities was named Administrator of the Year and picked up the Service Award for having "done the most for the student body."



**DR. EDWARD J. HARRELL**, adjunct professor of history, was the recipient of Theta Xi fraternity's Teacher of the Year award.

## Grad Centers Keep Growing

The gathering of graduate center directors in F.I.T.'s off-campus program at the university's main campus recently marked another year of growth for the multi-state educational service.

"We'll reach over 1,000 graduate students this year," said Edward F. Gudgel, director of off-campus programs for F.I.T.

Center directors joining the annual meeting were Paul Bruehl of Fort Lee, Va.; Dorris Kent of St. Petersburg, Fla.; Flora Galloway of the Naval Training Center at Orlando, Fla.; Wayne Sills of Fort Eustis, Va.; Dr. Leonard Winter of Redstone Arsenal, Ala.; James Grabski of Selfridge Air National Guard Base, Detroit, Mich.; Conrad Davis of Aberdeen Proving Grounds, Md.; Robert Fleming of Rock Island Arsenal, Ill; Vincent Siragusa of Picatinny Arsenal, N.J., and Harry Woods of the Naval Air Test Center, Patuxent, Md.

"It's a significant part of F.I.T.'s academic activities," Gudgel said of the graduate centers. He explained that during the current academic quarter 934 students were pursuing graduate degrees through off-campus courses.

"We're adding about two new programs a year," Gudgel said, noting that a policy keeps an eye to quality in the educational offerings.



## WFIT Radio Expands Its Voice

Radio Station WFIT, an FM station built and operated by students, has been transformed into a community broadcasting facility by a signal strength increase from 41 watts to nearly 3,000 watts.

Station Manager Dave Thomas announced expanded programming to accompany the broadening of WFIT's audience, as well as a switch in the station's position on the FM dial from 91.5 megahertz to 89.5. Broadcasting is around-the-clock except 1 a.m. - 6 a.m. Mondays.

Program Director Cliff Lethbridge, like Thomas an F.I.T. student, announced that listeners seeking music will find eight

hours of classical programming each week, 10 hours of jazz, three hours of "golden oldie" tunes (1955 to 1974), and a wealth of rock tunes.

Additional programs include regular features on consumer issues, astronomy, film reviews, satire, old-time radio shows ranging from the Lone Ranger to Gangbusters, the Mother Earth News and the off-heat Zodiac News.

The university radio station was started in 1975. Along with university support, the station relies on community volunteer workers and community assistance of other types.

# CAMPUS NOTES

Dr. Robert H. Fronk, head of Science Education, was recently appointed by the Commissioner of Education to serve on an accreditation committee for Florida International University in Miami. The team consisted of 16 members, including people from the state Department of Education and other universities. The evaluation took place during a three-day visit.

John L. Carkeet, associate dean for academics at the School of Aeronautics, recently attended the annual convention of the National Air Transport Association in Las Vegas.

Jack Hinman, associate professor of air commerce, attended the International Civil Aviation Conference No. 2 recently in New York. The convention was sponsored by Lloyds of London.

Dr. Kenneth L. Kasweck, assistant professor of Biological Sciences, recently presented a paper at the national meeting of the American Society for Microbiology in Miami Beach. It was entitled, "Mating Compatability in *Nocardia* asteroides."

Dr. Kasweck will be working on the molecular aspects of this mating compatability in the laboratory of Dr. S.C. Bradley at the Medical College of Virginia while on sabbatical leave for the 1980-81 academic year.

Dr. John C. Hozier, assistant professor of Biological Sciences, took part in the Third Annual Lymphoma Workshop conducted at the Stanford Research Institute in Menlo Park, Calif. He also presented a seminar on the "Molecular Organization of Chromosomes" at the University of Utah Medical Center at Salt Lake City.

Biological Sciences was visited by two distinguished scientists recently under the NSF-RIAS speaker program. Dr. J. C. Ogden, director of the St. Croix Research Laboratories in the Virgin Islands, was the guest of Dr. William S. Alevizon. Dr. Ogden presented a seminar on his work in community structures of coral reef fishes.

Also visiting was Professor B. L. Strehler of the University of Southern California. A guest of Dr. George C. Webster, Dr. Strehler is a noted researcher on the molecular aspects of aging. Along with discussing aspects of research with the faculty and graduate students, Dr. Strehler presented a seminar dealing with his recently published work on the loss of ribosomal RNA genes.

Pam Hobson recently attended the annual membership meeting of the Southeastern Library Network in Atlanta. The meeting centered on the development of a regional support system for computer service to Libraries in the southeast. The first phase of the regional support system will be available in 15-months.

Rita Carmona and Joan LeMosy of the Library's reference department recently attended a workshop at the University of Central Florida on biological abstracts and computer reference searching.

Judy Henson, circulation supervisor, and cataloger Lois Sigler participated in a workshop on computer search techniques. The workshop in Boca Raton was sponsored by the Florida Chapter of Special Libraries Association, the Online Caucus of Florida Library Association, and Florida Searchers.



DOUBLE LIFE - Jackie Illingworth, executive secretary for Development, is as much at ease on a theater stage as she is in an F.I.T. office. The actress and singer, who studied voice at the New York College of Music, recently handled a lead role in "Fiddler On the Roof" [above]. A member of Melbourne's Indian River Players and Cocoa's Performing Arts Center, she has starred in several productions, including one role opposite husband Herb. The mother of three and grandmother of two also recently backpacked through Europe with her daughter.

Drs. Eleanor E. Storrs and Harry P. Burchfield of the Medical Research Institute are attending the 60th Annual Meeting of the American Society of Mammalogists this month at the University of Rhode Island, Kingston. They are presenting a paper entitled, "Polymorphism in the Common Long-Nosed Armadillo (*Xenarthra: Dasypus novemcinctus*)."

Dr. Sreevatsa, assistant research officer at the Central Jalma Institute for Leprosy at Agra, India, spent the month of May at MRI. Working under a World Health Organization fellowship, he received training from Dr. Storrs in the use of armadillos in leprosy research. He

is also visiting the Center for Disease Control in Atlanta and the Institute for Medical Research in London before returning to India to establish a colony of 50 armadillos at Jalma for use in medical research.

Dr. Storrs was also visited by Dr. N. H. Antia, Trustee of the Foundation for Medical Research at Bombay, India, for discussion of the importation of 30 armadillos for use in his laboratories. Until his program gets underway, a small colony of armadillos will be maintained for his use at MRI under the sponsorship of the British Leprosy Relief Association.

Dr. Andrew W. Revay, Jr., dean of Science and Engineering, attended the annual Engineering Dean's Institute at Williamsburg, Va., sponsored by the American Society for Engineering Education. Dr. Revay also recently served as a reviewer for the National Science Foundation Instructional Scientific Equipment Program at Chicago.

Dr. Revay also attended the board of directors executive committee meeting and board meeting of the Southeastern Center for Electrical Engineering Education in Atlanta. He and Dr. John Hadjiligiou attended the Southeastern Association of Electrical Engineering Department Heads in Atlanta.

Dr. Junho Choi, assistant professor of Electrical and Computer Engineering and advisor to the student chapter of IEEE, attended the IEEE Southeastern meeting of student advisors at Nashville.

Richard Cosel, research associate in Electrical Engineering, presented a paper on "The FAA Lightning Protection Modules Designed for Leadless Devices" at the Lightning Technology Symposium held recently at NASA's Langley Research Center in Virginia. He also served as chairman of a session entitled, "Open Forum on Protection of Ground Systems." F.I.T. and the FAA sponsored the symposium with NASA. Dr. Revay also attended.

Brad Weichert received the "best student presentation" award for the organic-biochemical studies session of the Marine Chemistry Symposium at a Tampa meeting of the Florida Section of the American Chemical Society. His paper was entitled "Extraction of Organic Drilling Fluid Components from Sea Water Using the Organicon XAD-2 Resin Extraction System."

Dr. John Trefry and Dr. Richard Pierce, chemical oceanographers, held a Marine Chemistry Symposium in Tampa recently in conjunction with the meeting of the Florida Section of the American Chemical Society. The program included 18 presentations by marine chemists from six universities, as well as from private and federal research institutions. Dr. Trefry chaired a session on inorganic-trace



**ROOTS --** Gaston de Bedout [left], new president of the Florida-Colombia Partners, recently visited the campus as the guest of the university and the Partners organization. The prominent Bogota book publisher joined with Dr. Keuper [right], and Development Associate Tom Adams [center] in providing a picture of past and present leadership in international relations. Adams founded Florida-Colombia Partners in 1963, the oldest of 50 such programs. In July de Bedout is to return to F.I.T. as head of a large Colombian delegation to the XV Annual Partnership Conference.

## Bill Jurgens National Coach

Bill Jurgens, coach of championship crew teams at F.I.T., has been selected as National Lightweight Camp Coach. The post carries responsibility for the training of selected oarsmen from throughout the U. S. to compete in this summer's World Rowing Championships.

Jurgens was selected by the National Lightweight Committee of the National Association of Amateur Oarsmen to train a "lightweight" squad chosen to compete August 13-16 at Hazewinkel, Belgium.

Prior to that annual world competition the lightweight-eight team will participate in tune-up regattas that include the U.S. National Championship in New Jersey during July.

Jurgens, architect of F.I.T.'s 11-year-old rowing program, said the duties he assumes beginning in late June will

include serving with a panel of coaches for the initial selection of the lightweight camp oarsmen.

About 100 oarsmen are expected to try out for the team Jurgens will coach, including two F.I.T. students. After the team is selected at Princeton University, training will take place at Cornell University. An assistant coach will oversee the training of a pair of four-man crews also under Jurgens' supervision.

Jurgens was himself a member of the U.S. rowing team in 1974, as a heavyweight oarsman. The Jacksonville University graduate has been a Melbourne resident for 26 years. Along with guiding F.I.T.'s crew teams to a tradition as Southeastern U. S. champions and a national power, Jurgens has for four years served as athletic director.

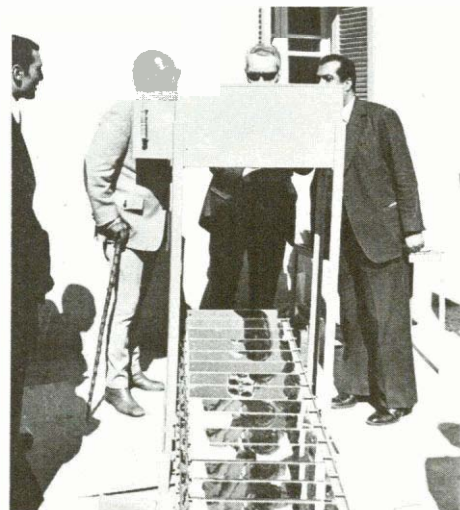
## Researcher at MRI

Dr. Arvind M. Dhople has joined the staff of Medical Research Institute. Formerly on the staff of the Department of Pathobiology and the American Leprosy Foundation of the Johns Hopkins University School of Public Health and Hygiene, he will continue his research on a rapid method for the diagnosis of leprosy based on measurement of mycobacterial ATP by bioluminescence.

Dr. Dhople has already been awarded a grant of \$14,998 from the Heiser Program for Research on Leprosy to initiate his work at MRI.

Prior to joining the staff of Johns Hopkins in 1969, Dr. Dhople was medical officer of the Indian Council of Medical Research. He began his research career in 1962 at the Ackworth Leprosy Hospital.

Dr. Dhople received his B.S., M.S. and Ph.D. degrees from the University of Bombay, and is author or co-author of 36 publications and presentations on leprosy and allied fields.



**HOT TOPIC --** Egyptian President Anwar Sadat [at left] was among officials who recently inspected an F.I.T.-designed solar cooker at Aswan. Dr. Thomas Bowman, head of Mechanical Engineering, oversaw construction of the prototype oven in Egypt.

## NOTES continued

element studies, and Dr. Pierce chaired a session on organic-biochemical studies.

Dr. Trefry will be chief scientist aboard the "R/V Researcher," one of NOAA's most advanced oceanographic research vessels, for a three-week voyage ending this month. He and six chemical oceanography graduate students and technicians will be collecting water and sediment samples in the vicinity of two coral reef systems off the Texas coast, as well as from adjacent oil and gas drilling fields.

The cruise is part of research directed by Dr. Trefry and Dr. Pierce to study the impact of drilling operations on the Texas Flower Garden coral reefs. Working on

the sampling cruise from F.I.T. are Don Arne, John McFarlane, Dave Meyer, Joel Steward, Bob Trocine and Bred Weichert. (In addition to the F.I.T. sampling operations, NOAA scientists will collect physical oceanographic data. Biologists from Yale University, Wayne State University and the National Marine Fisheries Service will be studying organisms to provide a multidisciplinary investigation of the area.

Sara Howze, director of the FRESH program, has been named chairperson of the Brevard County delegation to the Central Florida Commission on the Status of Women. She has served for a year on the commission, an advisory group to the

county commission.

Dr. J. Ernest Breeding, Jr. of Oceanography and Ocean Engineering presented a seminar at Tetra Tech in Pasadena, Calif. He summarized his research on water waves and wave-induced beach processes. Dr. Breeding also presented a paper on "Ray Curvature and Refraction of Wave Packets" at the 17th International Conference on Coastal Engineering at Sydney, Australia.

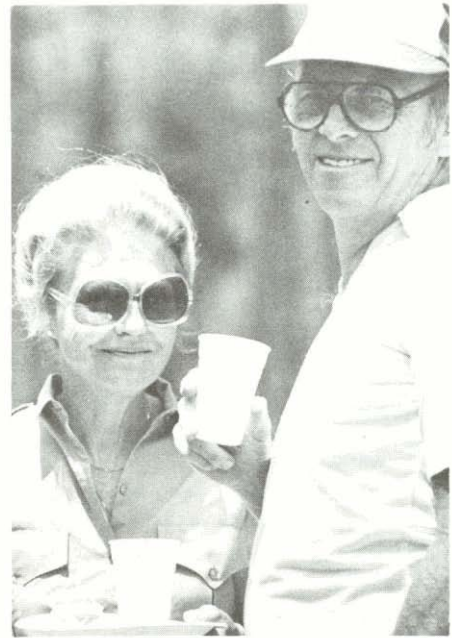
Elizabeth DaGoff and Pam Hobson attended the Association of Mid-Florida Colleges meeting on library cataloging by the new Anglo-American cataloging rules, held at the University of Tampa.

# Picnic

By **Frank Webbe**  
Picnic Grand **Marshal**

By all counts (heads, feet, noses), a record number of staff, faculty, family, and friends attended the annual picnic held May 3 at Rodes Park. More dry mouths and empty stomachs than anticipated caused several runs on beer, soda, and food, but everyone seemed full and content by the end of the day.

Some of the people who deserve our thanks for creating an enjoyable outing include: Dee Dee Pannell for coordinating food catering with PFM; Krista Reinersman, Roger Shilliday, and Bette Gesualde for production of posters and tickets; Norma **Arleo**, Pat Bernick, Shelley Cheezem, Patti Eastwood, Betty Fink, Arlene Kerlo, Jani **McCray**, Carmen Read, and Carolyn **Sorrell** for selling tickets and encouraging attendance (Patti and Betty sold the most tickets); Dick **Enstice**, Dean Norris, and Dee Dee Pannell for planning; Bill Jurgens for providing the athletic equipment; and, a special thanks to Jeff Brown and SGA for showing us the Muppet Movie -- certainly the **highlight** of the day for the kids.



Photos by  
R. Goldberg

