



Our
20th Year

The Pelican

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Dr. Charles Corman

FACULTY PARTICIPATES IN AWARENESS WEEK

"Awareness... recognition of the need to know ourselves and the world for learning, growth and appreciation."

Quality speakers and intriguing discussions characterized **F.I.T.'s** recent "Awareness Week" which took place on campus January 7 through 11.

"We were very pleased," said Deedee Pannell, advisor to women, "that our speakers were so well received by those who participated in the program. We dealt with a number of very current topics."

Dr. Charles **Corman** and Dr. Elizabeth Wolf, both **members** of **F.I.T.'s** psychology faculty, participated in the closing program of the week. "**Making Life Options Work**" was the subject of their dialogue presentation.

Other speakers during the week included Mary Stern, co-author of **Our Bodies Ourselves**, Sylvia Greene, personnel manager at Dictaphone, Karen Thompson, assistant attorney for the 18th Judicial Circuit, Bob **Stoval**, Harris Corp., and Bonnie **Garson**, president of **Garson Associates**. Topics covered included coping with stress, legal rights, job interview techniques, and career management.

According to Pannell the student committee is hopeful of repeating the event, with some modifications, next year.



Dr. Elizabeth Wolf

MARINE PROPULSION PROGRAM TO BEGIN AT JENSEN

Tim Tealey, executive director of F.I.T., Jensen Beach, recently announced the receipt of \$68,000 from the Florida Sea Grant. The award will be used to establish a Marine Propulsion Systems Training Program on campus.

The grant is being matched by money from local marine interests combined with sizable donations from marine engine manufacturers. These matching funds will total over \$64,000 as supplemented by F.I.T.

In making the announcement **Tealey** praised the work of Larry Booth, department head of Industrial **Technology**, and John Burns, instructor, for their

work in carrying the proposal from its initial conception through the first year of **funding**. **Tealey** noted that the program will prepare men and women for employment as marine engine mechanics. Presently there is a shortage of trained and qualified personnel in this field, particularly in south Florida.

"We will draw potential students from southern Florida and later place them within the marine industry in the same area," said Tealey. He also thanked the many friends of F.I.T. who supported the Technical Advisory Committee with generous donations of cash and equipment.

Campus Notes

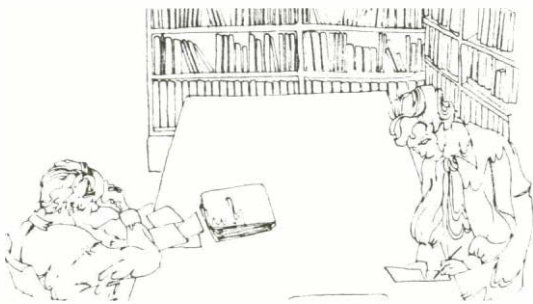


On January 10, Dr. E. E. Strother of the Physics and Space Sciences Dept. presented an invited lecture before the Central Florida Astronomical Society. Approximately 120 members of the society and their guests were in attendance at the John Young Museum to hear Dr. Strother speak on the recent optical atmospheric research project conducted by Florida Institute of Technology for the U. S. Air Force.

Dr. K. B. Clark, associate professor of Biological Sciences, has been awarded a \$27,000 grant by the National Science Foundation to support his research in marine biology. Dr. Clark will study a group of strange and relatively unknown marine animals which contain chloroplasts. He will be assisted in the study by doctoral students Kathie Jensen and Hugh Stirts.

Mrs. Margot Haberhorn, Humanities Department, will present a paper, "Stalled at the Nadir: The Hero Manque in Barth and Camus," at the fourth annual Conference on Literature in Film, January 25-27 in Tallahassee.

The library's reference staff presented a tutorial on computer reference searching which was open to faculty and students. The presentation was well received by the seven attendees on Wednesday and the ten in attendance on Thursday. It is hoped that more interest in computer searches has been generated by the information given in the tutorial. Sample searches were shown with the help of overhead transparencies.



MEMORABILIA ROOM IN NEW LIBRARY

A memorabilia room will be an important part of the new library, planners announced recently. It will be specially designed to hold historically valuable mementos of the space program and the early days of the university, then known as Brevard Engineering College. Mr. Llewellyn H. Hensen, director of the libraries at F.I.T., requests that anyone wishing to donate items either contact him at extension 271 or bring them over to the library during office hours. Articles such as early photos, newspaper stories, souvenirs, books and publications, mock-ups and models, mementos, and the like are being sought.

CONTINUING ED OFFERS OWN SEMINAR



The first seminar to be fully organized and totally sponsored by F.I.T.'s Office of Continuing Education will be held February 20-21 and again on April 24-25. The two day symposium, titled, "Computer Graphics," will cover an introduction to computer graphics as well as its applications, basic functions, hardware and software systems, and mathematical techniques.

"We usually contract with a company which does nothing but organize these kinds of seminars," stated Maryann Latunas, seminar administrator, "and we are really excited this time to be striking out on our own. It is our intention to do more seminars under the exclusive sponsorship of F.I.T."

The faculty for the Computer Graphics seminar will be two members from F.I.T.'s Computer Science Department. Dr. Peter J. Knoke, associate professor, will be teaching the sessions along with Geraldine R. Cuthbert, adjunct faculty member and lead engineer at Harris Corporation. The idea for promoting such a workshop was originally that of Gerry Cuthbert and Dick Enstice, head of Continuing Education and Graduate Admissions.

"By offering seminars on our own," explained Latunas, "we will be able to better meet the continuing educational needs of the community and campus family. The possibilities for such workshops are numerous and we are certainly open for ideas from interested faculty and administrators."

Persons who are interested in participating in the Computer Graphics seminar, either February 20-21 or April 24-25, should call the Continuing Ed Office at extension 291. The course fee of \$350 includes luncheons and all meeting materials.



JENSEN BEACH OFFERS PRIVATE PILOT GROUND SCHOOL COURSE

F.I.T., Jensen Beach will offer the F.A.A. approved Private Pilot Ground School course beginning Monday, January 22 on the Jensen Beach Campus. Classes will meet Monday and Wednesday evenings for ten weeks from 6:30 p.m. to 9:00 p.m. to prepare applicants for the written portion of the Private Pilot license examinations.

The fifty hour course will cover Federal Aviation Regulations, Principles of Navigation, Weather and Climate. Aircraft Performance, and allied subjects.

A fee of \$50.00 exclusive of texts and materials will be charged for the course. Interested persons should call 334-4200 for further information and registration.

GRANT FUNDS STUDY OF TOXIC CHEMICALS

The National Science Foundation has awarded a grant of **\$43,350.00** to Dr. Richard H. Pierce, associate professor of oceanography at Florida Institute of Technology. The announcement was made by Dr. Norbert W. **O'Hara**, head of the F.I.T. Department of Oceanography and Ocean Engineering. **O'Hara** stated that the award was made under the NSF Program for Chemical Threats to Man and the Environment.

Pierce will be studying the fate of toxic organic chemicals found in marine and freshwater sediment as a result of the run-off **from** areas treated with pesticides and herbicides.

"This research is an expansion of a study begun two years ago after a major fish kill occurred in a fresh water lake." said Pierce. "Toxic chemicals found in the fish were traced to the sediment at the lake's bottom. We are now researching the degradation process of certain chemical pesticides and their resulting by-products."

The F.I.T. research scientist and professor explained that when toxic chemicals are deposited into the sediment of lakes, rivers, and the ocean they are, in **t i e**, broken down and changed. These new products may be toxic and, until they virtually disintegrate, pose a threat to the smallest aquatic organism and eventually to the fish and other aquatic life.

The recently funded study will deal specifically with the nature of the toxic impurities and degradation products of pesticides and for how long they pose a threat to the environment.

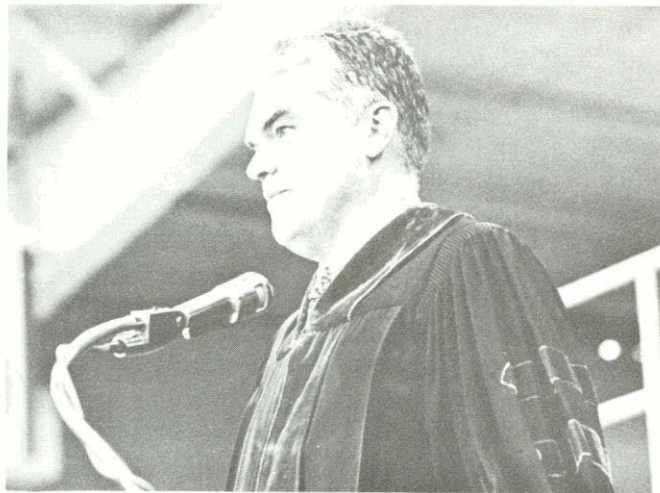
COMPUTER TIES IN JENSEN BEACH OVER PHONE

A new computer terminal with a card reader and printer has recently been installed at F.I.T., Jensen Beach, which is connected over phone lines to the **IBM/370** computer at the campus in Melbourne.

Eddie Brock, director of the Computer Center, stated that through this system the students at Jensen Beach can write computer programs and do research with results sent back seconds after they are processed. In the past, cards were mailed to Melbourne and it **took** two or three days to get them back. F.I.T. is moving toward more accurate and timely information transfer between the campuses **by** having systems which are standard throughout the university and available to all personnel.

Brock also stated that this is another step **toward having all pertinent systems in an on-line environment.** On-line system supply **current** information which helps managers run the university business **as efficiently as possible.**

DR. MARK VISITED CAMPUS



Dr. Hans Mark

Dr. Hans Mark, under secretary of the Air Force, spoke on **campus** January 19 on the topic "The Search for Extraterrestrial Intelligence." Dr. Mark has spent time studying the subject in depth and reviewed for his listeners the evidence which presently points to the existence of intelligent life elsewhere in the universe. He also discussed the prospects and problems in communicating with extraterrestrial **beings.** In June, **1978** Dr. Mark delivered the commencement address at F.I.T., Melbourne and received an honorary doctor of science degree from the university.

Meetings taking place in all corners of the campus are turning out schedules which will make **FEBRUARY** a big month on the campus. Mark the following weeks as "don't miss" and stay tuned for in depth schedules:

- *Feb.** 9-17 Homecoming Week
- *Feb.** 17 Faculty-Alumni Day
- *Feb.** 12-17 Engineering Week

NASA DISPLAY ON CAMPUS

F.I.T. will be the site of a NASA Aerospace Education display and presentation on January 30 and 31.

Herbert "Hap" Arnold, **Air National** Guard F-105 pilot, will be the lecturer describing NASA's latest developments in aeronautical research aviation up to and including the shuttle program.

Subjects discussed will include aircraft structures, noise abatement, VTOL, instrumentation (aircraft), among others.

The two-hour presentations will be given in **F.I.T.'s** Gleason Auditorium on Tuesday, January 30 **from 9:30 a.m. to 11:30 a.m.** and on Wednesday, January 31 **from 10:00 a.m. to 12:00 noon** and again **from 3:00 p.m. to 5:00 p.m.**

An exhibit van will also be provided and located adjacent to the Gleason Auditorium.

There is no admission **charge** and the public is invited to **all** presentations.



William L. McCord, Sears General Manager, Melbourne [right] presents a check for \$2,100 to President Jerome P. Keuper.

SEARS GRANT TO F.I.T.

Grants totaling more than \$40,000 were recently distributed to 23 privately supported colleges and universities in Florida by the Sears Roebuck Foundation.

The Florida colleges and universities are among over 1,000 private accredited two and four year institutions across the country which are sharing in \$1,500,000 in Sears Foundation funds for the 1978-79 academic year. Funds may be used unrestrictedly as the colleges and universities deem necessary.

In addition to its unrestricted grant program, the Sears Roebuck Foundation each year conducts a variety of special-purpose programs in elementary, secondary, higher, and continuing education. Altogether, the Foundation had expenditures of almost \$2,500,000 in 1978 for its education activities.



- 2 S.G.A.: "Saturday Night Live's" Alan Zweibel, 8:00 p.m., Gleason Auditorium, advance tickets.
- 3 F.I.T. S.S.F.F. movie. 7:00 pm., Gleason Auditorium.
- 4 S.G.A. movie. "The World's Greatest Lover". 7:00 pm. and 9:00 pm, Gleason 25¢.
- 9 Homecoming Week Activities begin on campus.
S.G.A. Ice Cream Festival, 12:00 - 3:00 S.U.B.
- 10 Basketball game, F.I.T. vs. Florida Memorial College, 7:30 pm., gym.
S.G.A. Semi-formal Homecoming Dance. 9:30 pm., S.U.B.
- 11 S.G.A. movie. "The Professionals", 8:00 pm. and 9:00 pm., Gleason, 25¢.
- 12-
- 17 Engineering Week: displays on campus. see schedule TBA.
- 13 Basketball game, F.I.T. vs. Edward Waters College, 7:30 p.m., Gym.

ENGINEERS SPONSOR WEEK OF ACTIVITIES

To inform the public as to the state of the art of the technological world is the purpose of this year's Engineering Week, scheduled for February 12-17. The student chapter of the Institute of Electrical and Electronics Engineers (IEEE) plans to fulfill that purpose by inviting private companies, industries, and academic departments to share their work on campus.

Movies, slide shows, and speakers will be scheduled throughout the evenings while public tours will be conducted daily in the mornings. The tours will include displays and mock-ups from various campus departments as well as Rockwell International, Planning Research Corp., Harris Corp., the Army Corps of Engineers, the National Oceanic and Atmospheric Administration and others.

Two luncheons and an alumni dinner will also sponsor speakers discussing the latest developments of industrial technology.

Students and faculty are invited to participate in all of the week's events and are advised that many high school groups and members of the public will also be on campus. While F.I.T.'s Engineering Week was scheduled to coincide with annual homecoming events, it also commemorates the presidential declaration of National Engineering and Science Week which will be February 18-24.



- 13-
- 15 John Wayne Western movie festival, S.G.A.
- 14 Valentine's Day.
- 16 Basketball game. F.I.T. vs. Columbia's Collegiate Champions, South America, 7:30 p.m., Gym.
- 17 Alumni Crew Race. 10:00 am. Melbourne Causeway.
Baseball game, F.I.T. vs. Bethune Cookman, 1:00 p.m. home.
Powder Puff Football Game. 2:00 pm., athletic field.
Basketball game, F.I.T. vs. Columbia's Collegiate Champions. 7:30 p.m., gym.
- 18 S.G.A. movie, "The Cheap Detective", 7:00 pm. and 8:00 pm., Gleason, 25¢.
- 20-
- 21 Computer Graphics Seminar, Continuing Education Office. extension 291 for information.
- 21 Basketball game. F.I.T. vs. Flagler College, 7:30 pm. gym.
- 23 Baseball game, F.I.T. vs. Rollins College, home, 3:30 p.m.