Center On Oceanfront

A ceremonious opening of F.I.T.'s newly acquired Indian River Marine Science Research Center was staged recently to mark the addition of the unique resource to the university.

President Keuper cut a ribbon to signal the start of an F.I.T. development program at the site that will produce both a leading research facility and a museum and educational center to directly benefit the public.

Joining Dr. Keuper in the ceremony were representatives of the U.S. Department of Education, the university, and of local governments that played a vital part in making the center a reality.

"I am pleased the university could make this acquisition through a cooperative effort between F.I.T. and the local communities, city and county governments, and federal agencies," Dr. Keuper said.

"This puts F.I.T. in the position of being one of the very few institutions of higher learning fortunate enough to possess an oceanfront site for these important research and educational activities," the president added.

The approximately four acres of land — formerly a missile tracking station and declared surplus by the federal government — is located off Highway A1A where the city limits of Vero Beach and Indian River Shores meet.

In an initial phase of development, the university will complete, in general, renovations of grounds and three structures at the site. That work, costing about $30,000, is to be completed within three months.

Next, the university will convert one building at the site into a research laboratory at a cost of about $160,000. The project, expected to be completed within 15 months, will create faculty offices as well as areas for research in marine biology, chemical oceanography, ocean technology, and ocean engineering.

A final phase of the work that is currently planned will create an educational marine museum at a cost of about $200,000. That facility, available for public use, is to be developed within four years.

OPENING — A ceremonial ribbon was sliced recently to mark the addition to the university of an Indian River Marine Science Research Center. Among those attending were, from left, John Simmons, Ralph Johnson, Mayor Ed. Nolan of Indian River Shores, President Keuper, F.I.T. Trustees Chairman Dr. James Lyons, James Warner, of the U.S. Dept. of Education, Alma Lee Lay, and Don Deeson of the Indian River County Commission, and Suzanne Boden, vice mayor of Indian River Shores.

Two Added to Board of Trustees

Mrs. Victoria Peteruson Gildred has been elected to the university Board of Trustees. She is president and founder of the Victoria Gildred Foundation for Latin American Health and Education.

A resident of Miami, Mrs. Gildred is vice president of the Florida-Columbia Partners, the international relations organization headquartered at F.I.T. She is former national secretary for Partners of the Americas.

Mrs. Gildred is international coordinator of scientific exchanges between Latin American schools of medicine and the University of Miami School of Medicine. She is a member of the Caribbean-Central American Action Task Force, a representative of health affairs for the Florida Consular Corps, honorary consul of Colombia in Miami Beach, and member of the Governor's Council of International Development.

Mrs. Helen Shephard has been elected to the university Board of Trustees. She is the widow of Dr. Donald L. Shephard, a trustee at the time of his death in September.

A resident of Port Huron, Mich., and of Delray Beach, Mrs. Shephard served on the board of directors of Empire Tool Company in Memphis, Mich. The company was founded by Dr. Shephard.

Involved in other business endeavors and an active traveler, Mrs. Shephard has also devoted time to the Daughters of the American Revolution, Eastern Star, and the American Legion Auxiliary. Mrs. Shephard is also a member of the Port Huron Country Club.
Campus Notes

Maureen Naze, coordinator for the Graduate School and Judith B. Carter, graduate admissions marketing coordinator were invited to represent the university at the 1980 Advancement Learning and Planning Seminar. The seminar, sponsored by the Federally Employed Women and Federal Women's Program was held at the Patrick Air Force Base Officers Club.

Sara B. Howze, FRESH coordinator, was the featured speaker at a recent meeting of Pan Am World Services, Inc., Management Club. "Nonverbal Communication" was the subject of her talk. The meeting was held at the Holiday Inn on Merritt Island.

Terry Pace of the Academic Services staff attended the 50th Annual "Communication Counselor's Seminar" recently at Jacksonvile. Among other subjects, the many features of the "Dimension" system were explained in detail. F.I.T. has the "Dimension" System.

Biological Sciences faculty and students participated in a number of scientific meetings during the past month. Dr. Glenn M. Cohen presented a paper on his research at the annual meeting of the Society of Neurosciences in Cincinnati, Ohio.

Dr. Kenneth L. Kasweck and students M. L. Little, J. T. Snyder, and M. J. Kirvin presented two papers at the annual meeting of the Southeastern branch of the American Society for Microbiology at Birmingham, Alabama.

Dr. John G. Morris attended the conference of the Southeastern Wildlife Agencies at Nashville, Tennessee.

Dr. Richard L. Turner represented F.I.T. at the annual meeting of the Society of the Sigma Xi scientific research society at San Diego. Dr. Turner also presented a lecture on his research at the University of West Florida.

Both Dr. Roger Manley, head of Management Sciences, and Dr. Chuck McNichols of the Air Force Institute of Technology presented a paper at the 20th Anniversary Conference of the Inter-university Seminar of Armed Forces and Society at the University of Chicago. The papers were "A Longitudinal Examination of the Moskow Institution-Occupation Matrix: A Comparison of Socioeconomic Between the Work Attitudes of Military and Civilian Personnel in the U.S. Air Force."

Dr. Eleanor E. Stere and Dr. Arvind M. Dhople of the Medical Research Institute recently gave lectures at a joint meeting of the First Congress of Hansenology of the Endemic Countries and the Thrid Brazilian Congress of Hansenology in Rio de Janeiro. (In Brazil, leprosy is referred to as Hansen's Disease.)

On her way to Brazil Dr. Storrs visited Dr. Jacinto Cuavit, Director of the National Institute of Dermatology of Venezuela. They discussed the possibility of obtaining animals from that country for use in studies on polymorphism now being conducted jointly by MRI and Louisiana Tech University.

At the meetings in Rio, Dr. Storrs was a member of the Experimental Hanseniasis Panel, and presented a paper on "The Role of Armadillos in Hanseniasis Research." She also gave a lecture at a refresher course for physicians and medical students on the history and causes of Hansen's disease, and was chairman of the free communications session on Microbiology and Experimental Hanseniasis. Dr. Storrs was elected deputy vice president of the Congress.

Dr. Dhople served as a member of the Microbiology Panel, and presented a paper on "Fundamental Problems of Cultivating Hansen's Bacillus in Cell-Free Systems." He also discussed collaborative programs between MRI and Dr. Lygia Cezar de Andrade of Brazil, and Dr. P.L.A. Niemel of the Ministry of Health of Surinam in which his method for measuring the efficacy of drug treatment would be evaluated on patients in those countries.

His procedure is based on measurement of ATP levels in bacteria isolated from human and armadillo tissues. This work is supported jointly by WHO and the Victor Heiser Foundation.

Dr. Peter S. Dubbelday, of Physics and Space Sciences recently published a pair of papers. Appearing in the Navy Research Laboratory (NRL) Memorandum Report 4312 (Oct. 23) was "Contribution of Antisymmetric and Symmetric Waves to the Reflection of Sound in a Fluid by a Thick, Homogenous Plate." Appearing in NRL Report No. 8372 (Sept. 29) was "Effective Shear Modulus for Flexural and Extensionsal Waves in an Unloaded Thick Plate."

Dr. Marcelo Alonso, director of F.I.T. Research Engineering, recently participated in the International Energy Symposium at Knoxville, Tenn. The gathering allowed preparatory work for the 1982 Worlds Fair, which has energy as its theme. Dr. Alonso chaired a session dealing with alternative policies for improved energy production.

Dr. Alonso also participated in a panel on "Energy: A Challenge for Business," organized by the International Chamber of Commerce and staged in Lisbon. And Dr. Alonso was a moderator and presented a paper at the International Scientific Forum on Geophysics of Energy, held in Fort Lauderdale recently. The paper was on the subject of energy and development of countries that import oil.

Dr. Norbert W. O'Hara, head of Oceanography and Ocean Engineering, recently attended the Annual Society of Exploration Geophysicists Meeting in Houston. He chaired an international workshop there sponsored by the U.S. Geological Survey to produce a gravity map of North and Central America. Dr. O'Hara also attended the Geological Society of America annual meeting in Atlanta, where he met with the National Research Council Committee on Geodynamics.

For many years Jim Knight has been completing lettering and graphics for the library. But he is no longer able to devote his spare time to this job, so passed his equipment and knowledge to staff me her Diane Steward. One of her contributions has been the direction signs hanging throughout the library. In addition, she has printed new labels for the shelves in the library.

Sally Hatton, Lois Sigler, Judy Hansen and Tori Smith recently went to BCC's Cocoa campus to see a demonstration of BCC's Ohio College Library Center terminal and to discuss procedures for use of the terminal.

Mary Alice Treat, member services coordinator for the Southeastern Library Network, recently came to the library to train the technical service and interlibrary loan staffs on the computer system in the library. As a result of the training, the staff is now able to produce cards through the Ohio College Library Center system.

System messages indicate when the cards have left Ohio. By using another sub system, the staff is able to communicate with other libraries for interlibrary loan purposes. Tori Smith, interlibrary loan technician, sent the first request for a Dr. Ray Work, while he waited.

Dr. Robert H. Fronk, head of Science Education, served on a State Department of Education Committee in early November, a body formed by the Commissioner of Education to review Florida Southern College. The committee spent three days at the college, conducting a review that occurs every five years.

Dr. Margot Haberhern, assistant professor in Humanities, recently delivered a paper at Interface '80, the annual meeting of the Humanities and Technology Association at Southern Technical Institute at Marietta, Ga. Dr. Haberhern's paper was titled, "The Dehumanization of the Art Object."

Registrar George S. Jones III has announced the appointment of Mrs. Sheryl C. Baker as university assistant registrar. She replaces Darrell Helms, who left the university (and the Melbourne area) after five years of service. Mrs. Baker has served as field registrar for the University of Maryland.

Happy Holidays from
The Public Relations Dept.
Radio Volunteer Honored

By Pam Smith
Herb "Sonny" Marble, a classical music expert who logged his 500th program as a volunteer broadcaster for Radio WFIT, was honored by the university.

President Keuper hosted a luncheon in Marble's honor, thanking the Harris Corp. employee for "the contribution of your time and talent that has so generously been given since almost the beginning of the radio station in April of 1975."

The graduate of the Brooklyn Conservatory of Music credits his continuing eagerness to serve the radio station to positive responses he receives from young people who listen. Marble's "Music at Dusk" program is heard twice a week. "Classical programming has actually become very. very popular." Marble explained. "People think that only old people listen to it. They're crazy. The majority of my listeners are young people. Rocks works in the Programs Test section of Harris Semiconductor in Palm Bay. He was a research analyst at F.I.T. when he began his volunteer work for the fledgling radio station. Unhappy with the manner in which classical music was being aired, Marble accepted the challenge of packaging it himself.

Radio WFIT, which can be heard at 89.6 megahertz on the FM dial, broadcasts again 24 hours a day. Marble's three-hour programs are at 6:00 pm on Thursdays and Sundays.

The non-commercial station is operated by F.I.T. students, and assisted by community volunteers such as Marble.

Underwater Sound Is Studied

Dr. Peter S. Dubbelday, professor of physics, has received a pair of grants from the Navy that will allow expansion of hydroacoustic research he has underway.

One of the grants will support continuing work on the application of hot-film anemometry to the measurement of particle velocity in hydroacoustics.

The focus of the work is the detection of low-frequency sound waves moving through water. In hot-film anemometry, the cooling of a heated wire is a measurement for the swiftness of a current in the water.

The second grant is also keyed to low-frequency sound in water, but concerned with the production of such sound.

Dr. Dubbelday explained that the project on "Development of a Toroidal Ferrofluid Projector" hinges on the use of ferronuida as a magnetic material. The application being developed for such liquids is the production of low-frequency sound waves that can travel great distances in water.

"Up to now the work has been as a paper design," Dr. Dubbelday said of his work with the technique. "The present work is aimed at building an actual source based on this principle." Graduate student Mark Pick is assisting with the project.

Volleyball Nets Trophy and Basketball Bounces In

The just-completed season of the women's volleyball team brought a second-place trophy from the National Association of Intercollegiate Athletics for Women state championship. The team, coached by Kathy Kennedy, also saw Brazilian junior Carla Lacerda named to the "all-regional" team picked after Southeast tournament play. F.I.T. finished fourth.

The best record on the books for an F.I.T. soccer team was created this year. Mike Eldridge's kickers posted 15 wins and seven losses during the season, earning a fifth-place ranking among Florida colleges.

Crew team visits to Boston and Tennessee brought strong showings that prompted Coach Bill Jurgen to say, "come the spring season, we're optimistic. Fall baseball, also a prep for spring competition, saw Les Hall's players post nine wins against five losses.

Basketball is underway, with home games Dec. 19 and 20 for the F.I.T. Basketball is underway, with home games Dec. 19 and 20 for the F.I.T. Crew team visits to Boston and Tennessee brought strong showings that prompted Coach Bill Jurgen to say, "come the spring season, we're optimistic. Fall baseball, also a prep for spring competition, saw Les Hall's players post nine wins against five losses.
Answers In Sight

Graduate students Mark Hansen, left, and Rick Hushia help collect the beach measurements that will determine erosion rates. At right, students Robert O. Johnson, left, and Jay Gorzalini, center, help Dr. Terrell Roberts collect biological samples.

Sand Watch

What happens to an eroded beach after it is rebuilt by humans? What happens to the new sand added by man? What happens to the marine organisms living in the beach area?

Those questions are among the many facing an F.I.T. team scrutinizing a $3 million beach rebuilding project now underway at Indialantic and Melbourne Beach.

The F.I.T. study, supported by a $22,000 grant from the Army Corps of Engineers, will go beyond traditional monitoring of such work.

Dr. Donald Stauble, a principal investigator along with Dr. Terrell Roberts, explained that an Oceanography and Ocean Engineering team will determine the manner in which the Atlantic Ocean molds the man-assisted beach, rather than simply determining how much the new sand is juggled.

Graduate students working on the project include Jay Gorzalini, Robert O. Johnson, Larry Parson, Mark Hansen and Rick Hushia.

Stauble is responsible for determining the fate of sand added to the beach, while Roberts is primarily concerned with the impact of the new sand on organisms both on the beach and living just offshore.

To determine how that process takes place, Stauble and Roberts have the use of information about the beach's natural changes that was collected by F.I.T. over a two-year period.

Both Stauble and Roberts will continue their studies for a year after the rebuilding work is completed, allowing scrutiny of the beach area through seasonal changes.

Dune Duties

Graduate student Jay Gorzalini, left, and Mark Hansen, right, help Dr. Donald Stauble record findings during a survey at the beach project site.