

CAMPUS NOTES



FLORIDA INSTITUTE OF TECHNOLOGY

JULY-AUGUST

Dr. George C. Webster, professor and head of Biological Sciences, has been awarded a \$19,000 grant by the American Federation for Aging Research. The grant will support his investigation of "the control of gene expression as a factor in senescence." The research will use genetic engineering techniques to study the possible participation of a gene in triggering the aging process.

Several research reports from Biological Sciences have been published. They include, from Dr. Webster and P. J. Bailey, "Lowered rates of protein synthesis by mitochondria isolated from organisms of increasing age," in *Mechanisms of Aging and Development*; from Dr. William Alevizon and D. Lendmeier, "Variability in the population structures of four western Atlantic parrotfishes," in *Environmental Biology of Fishes*, and from H. Lena, "Testacealobosia (Protozoa: Rhizopoda) of Melbourne, Florida," in *Revista Espanola de Micropaleontologia*.

Grace R. Wylie, assistant professor at the Language Institute, presented a paper on teaching of writing in the English-as-a-second-language classroom, at the Second Language Acquisition and Linguistics Conference held at the University of South Florida in June.

Judith B. Strother of the Language Institute was selected as recipient of a \$500 Gulf TESOL Summer Institute award at Oregon Wesleyan University.

Jack Schwalbe, associate professor of civil engineering, was a speaker at the recent Seminar on Wind Engineering, sponsored by the Cape Canaveral Branch of American Society of Civil Engineers. He spoke on "Wind Damage to Structures." Some 65 professionals from around the state were in attendance.

Library switch

Tori Smith of the Library staff points out that the good news is that Evans Library is nearing completion. The not-so-good news is that from August 19 to September 1, the library will be in the process of moving from its old location to the new facility. That herculean task means the library will not operate during that period.

Public relations expert arrives

The appointment of Dick Baumbach to the position of director of public relations for the university has been announced by President Keuper.

In making the announcement Dr. Keuper said, "I believe F.I.T. is indeed fortunate to have obtained the services of Dick Baumbach. His extensive background in both public relations and journalism will be a definite asset to the university."

Dr. Keuper added that Baumbach will be involved in expanding F.I.T.'s image throughout the U.S. and will also be responsible for overseeing the development of new and innovative public relations programs.

Prior to joining F.I.T., Baumbach served as Assistant to the Commissioner for the Tennessee Department of Correction. He also served as the spokesman for that 4,500 member organization.

No stranger to Brevard County, Baumbach served as aerospace editor for TODAY newspaper from 1977 to 1980. He was employed by Gannett newspapers for 11 years and was a member of the Elmira (N.Y.) Star-Gazette prior to being transferred to Florida.

In 1978 he was named aerospace writer of the year by the prestigious Aviation and Space Writers Association.

Dr. John Trefry, associate professor for Oceanography and Ocean Engineering, was an invited speaker at the International Council for the Exploration of the Sea symposium, held recently in Nantes, France. His well-received paper, entitled "Trace metal fluxes through the Mississippi Delta system," was co-authored by research associates Robert Trocine and Simone Metz, and graduate student Thomas Vetter.

Dr. Trefry has received third-year funding of \$80,000 for project P-PRIME (Pollutant-Particle Reactions in the Marine Environment). The program is studying the geochemistry of several trace metals in the Mississippi River and the Gulf of Mexico.

Nenad Iricanin, a graduate student in chemical oceanography, is representing Dr. Trefry aboard the Soviet research vessel Akademik Korolev for a four-week cruise in the Bering Sea. F.I.T.'s chemical oceanography group is studying the distribution of trace metals in this northern frontier.

The university was well represented at the recent Central Brevard Triathlon, held at Rockledge. The event consisted of swimming, bike riding and running. Steward Holm, a graduate student in chemical oceanography, finished in first place with a time of 1:41:21, several minutes ahead of the competition. Dr. Tom Belanger, associate professor for Environmental Science, took top honors for the 30-39 age group. His time of 1:52:38 also put him in 8th place in overall scoring.

Edward Ford, adjunct professor of weapons acquisition management at the Picatinny graduate study center, has been selected by Honeywell to be the government representative lecturer at Honeywell Aerospace and Defense Management Center in Minneapolis in October. He will lecture on "Latest trends and management emphasis in the DOD material acquisition process."

Recent M.S. recipient Simon Johnston was selected as the winner in the Space Coast Chapter Graduate Student Paper Contest, sponsored by the local American Production and Inventory Control Society organization. The Irishman's paper was on the dynamics of inventory control systems, and



Auto enthusiast Dick Baumbach

was based on a simulation program using DYNAMO. Building upon his systems management degree, he is now an adjunct instructor and an MBA candidate.

Dr. Michael E. Valdez, of Electrical and Computer Engineering, attended the Second Annual Conference of the Society of Amateur Radio Astronomers. He presented a paper on "Computers in radio astronomy," describing applications of computers to digital data processing of signals from a radio telescope.

Dr. Valdez was elected Computer Committee Chairman by the Society. The Society is the only organization devoted entirely to promotion of radio astronomy among amateurs, and Dr. Valdez' duties will include development of a registry of computer programs applicable to radio astronomy.

Sharon C. Irvin, chairman of the technical communication program, recently attended the Central New Hampshire Conference & Professionals, on "Wri-

ting for the Computer Industry." The conference was held at Plymouth State College.

Dick Truman, of the Cabinet Shop, expresses thanks to all who offered condolences following the death of his father.

Douglas McGuffey was selected as a winner in the 1984 Sea Grant Association Award competition, when his master's thesis abstract was deemed one of the best of those submitted from across the country. "Your success reflects favorably on the research program of F.I.T. and (advisor) Dr. John Sainsbury," said a letter of congratulations from the Florida Sea Grant College. In July, McGuffey travels to Minneapolis for Sea Grant Week Activities.

His abstract was entitled, "A Case Study: Fishing Vessel Stability and Loading."

Participating in planning for the 1985 annual conference of the World Mariculture Society are F.I.T. aquaculture faculty members Mike Hartman, Mike Miltner and Chuck Lofquist. The gathering is planned in Orlando during January.

Dean Revay gets IEEE honor



Dean Andrew Revay Jr. receives Centennial Medal from IEEE representative Art Greene.

The National Institute of Electrical and Electronics Engineers, Inc. (IEEE) has awarded its Centennial Medal and Certificate to Dr. Andrew W. Revay Jr., Dean of the College of Science and Engineering.

National IEEE President James B. Owens cited the F.I.T. professor and administrator for "loyal and dedicated service to the Institute and to the profession."

The award was presented in a special ceremony by Art Greene, representing the 1100-member Canaveral Chapter of the IEEE. Dr. Revay is one of 1,984 IEEE members across the nation who are being given special recognition in the organization's IEEE Centennial Year celebration.

Dr. Revay received his Ph.D. in electrical engineering from the University of Pittsburgh. The dean is a professor of electrical engineering and a registered professional engineer.

He joined F.I.T. in 1967, and at the university has been active in research work including a study of the effects of lightning on electronic systems for the Federal Aviation Administration.

Education honors center here

Dr. Robert H. Fronk, head of the Science Education Department, has been selected to coordinate a national center to demonstrate excellence in preparing science teachers.

F.I.T. will be the site of one of five U.S. regional Science Education Honors Centers being funded by a \$1 million grant from the National Science Foundation (NSF).

The project will allow a three-year series of summer programs for selected science teachers, said Dr. Fronk, who has worked with high school science and math teachers for more than 15 years.

"The end result of this project should be to upgrade the quality of science teaching throughout the country," Dr. Fronk notes.

He explained that teachers of outstanding science programs will be helped to further develop their classroom materials and teaching strategies, and to share them with other educators. The NSF project will also allow recognition for outstanding science programs and teachers.

The new program evolved from an earlier effort sponsored by the National Science Teacher's Association that identified 80 exemplary science education programs in high schools throughout the county.

It is teachers from those programs who will study at the five Honors Centers. The teachers will also prepare themselves for workshops and other activities to spread their know-how to fellow educators.



Dr. Robert Fronk

Dr. Fronk has also been chosen to participate in an Honors Leadership Program this summer at the University of Iowa, where he will work with national and international leaders in the field of science education.

F.I.T.'s Science Education program, designed by Dr. Fronk, was lauded last year by state Commissioner of Education Ralph Turlington. He termed F.I.T. "one of the very best, if not the best, that we have in terms of turning out science and math teachers."

Know some news?

Don't forget to let "Campus Notes" know about new people and new programs for the Fall Quarter. Please forward your contributions to Michael Moore, editor, at the Office of Information Services (extension 7299).

Chancellor named for Jensen Beach

Dr. Marion Rice has been appointed Chancellor of F.I.T. at Jensen Beach, it has been announced by President Keuper.

"Dr. Rice was selected for the position following a nationwide search for a qualified and professional individual to operate our Jensen Beach campus," Dr. Keuper explained.

He added that F.I.T. is extremely pleased to have obtained the services of the new chancellor, whose background includes the position of Provost at the Auburn Hills (Mich.) campus of Oakland Community College.

In her new role she will oversee all activities at the Jensen Beach campus including the College of Applied Technology and the Evinrude School of Marine Technology.

Dr. Rice will report to Dr. John E. Miller, executive vice president and vice president of academic affairs.

"I am quite pleased with the selection made by our search committee. Dr. Rice is truly a well qualified and knowledgeable individual whose background and expertise should be a great asset to the programs being conducted at our Jensen Beach campus," Dr. Miller said.

The new chancellor has served as provost of the Michigan college since 1974. She is a graduate of Wayne State University with a bachelor's degree in sociology as well as a master's degree in education. Her doctorate is in higher education, from Michigan State University.

Dr. Rice served as department chairperson of counseling at Oakland Community College from 1969 to 1971. She was a guidance counselor at the school from 1966 to 1974.

She is a member of the North Central Association of Colleges and Schools Commission on Institutions of Higher Education and has served as team chairperson of that organization since 1981. Rice is also a member and vice president of the Council for Occupational Education of American Association of Community and Junior Colleges.

While she was at Oakland Community College, the school's enrollment rose from 4,500 to 8,400 students between 1974 and the present time. Dr. Rice was also responsible for the construction of numerous facilities at the school.



Gathering of directors

Assembling recently at Melbourne were the directors of Off-Campus Program graduate study sites located in Florida and other states. Participating in the annual event were (front row, from left) Vince Siragusa, Ed Peloguin, Pat Rodrick, Dorris Kent, Pat Sims, Jeanne Ritchie, Conrad Davis, Dr. Karl Vieche, (back row, from left) Harvey Day Jr., Bob Fleming, Dr. Len Winter, Dr. Peter Tosini, program Assistant Director Hugh Harrison Jr., vice President for Academic Affairs Dr. John Miller, program Director Ed Gudgel, Harry Woods, Tom Atkinson, Ernie French, Wayne Sillis, and Tom Loper.

Ocean condition is concern of books emerging from F.I.T.

Putting civilization's unwanted by-products into the ocean near shore could turn precious coastal areas into wastelands. Still, the sea holds great promise as a disposal site.

To deal with the vast quantities of waste products from energy production, humanity must turn down the flame of consumption, and take a clear-headed look at available disposal methods and sites.

Those thoughts are among conclusions of international experts as recorded in the latest editions to be added to "Wastes in the Ocean," a book series being compiled and edited at F.I.T.

The book project, which is to yield 10 volumes, is sponsored by the National Oceanic and Atmospheric Administration (NOAA). Three volumes already published by John Wiley & Sons deal with industrial wastes, dredged materials, and radioactive wastes.

Manuscripts just submitted for publication are "Nearshore Waste Disposal," and "Energy Wastes in the Ocean," said Dr. Iver Duedall, head of the Oceanography and Ocean Engineering Department, and a primary editor on the project.

Other editors for the series are Dr. Judith M. Capuzzo, of Woods Hole Oceanographic Institution; Dr. Wayne V. Burt, Oregon State University; Dr. Dana R. Kester, University of Rhode Island; P.K. Park, NOAA, and the late Dr. Bostwick Ketchum, of Woods Hole.

Dr. Duedall noted that the books, to be released this winter, are a collective effort involving scientists from around the world.

Information for the books is collected during International Ocean Disposal Sym-

posia, held every 18 months to allow experts to share information, and to deliver reports of research findings. At the last gathering, held in England, 25 nations were represented.

At F.I.T., work on the books has spawned the newly created Center for Academic Publications on the Melbourne campus. The Center is located on the basement level of Grissom Hall.

Editorial assistants Mary Ann Nelson and Theresa Bewig head a staff of five full-time workers and several part-timers.

Dr. Duedall began work on the books while at the State University of New York at Stony Brook, and brought the effort to F.I.T. in January of 1983. The professor focuses his expertise on local problems as a member of the Marine Resources Council of East Central Florida, sponsored by the F.I.T. Corporation.

The latest editorial products of the international effort stress the need for conservation of coastal areas.

In the case of ocean areas near land, Dr. Duedall said, "we have to be very careful we don't spoil it, because these areas are very sensitive." Fish kills, unwanted changes of fish species inhabiting an area, and declarations that beach areas are unfit for human use are possible results of misguided disposal, he said.

Though the experts conclude that it will be important to stop pollution at its source, Dr. Duedall said, often wastes are carried by runoff from developed areas. "That will be one of the overriding concerns of the future," he believes.

In the case of wastes created by energy production, the recommendations of world

experts include a plea for moderation. They suggest that humans burn less fuel, and that adults teach children to minimize waste by controlling consumption.

Dr. Duedall explained that also needed is a waste research institute that could yield both scientific and management plans.

A good portion of the book on energy wastes examines the problems of coal wastes. Renewed interest in coal has heightened concerns about the effects of carbon dioxide being released into the atmosphere, and acid rain, said Dr. Duedall.

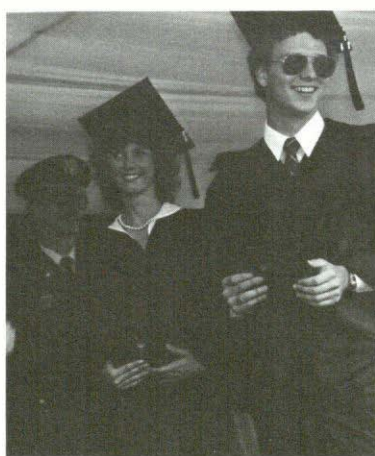
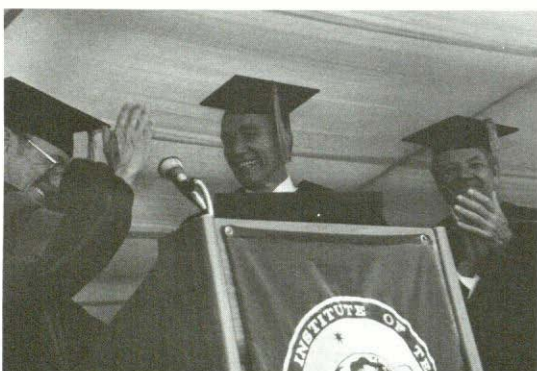
In Dr. Duedall's scientific opinion, "the seriousness of the carbon dioxide hazard has been underestimated relative to nuclear fuel, because of the large amount of carbon dioxide that is being produced." Among fears is the "greenhouse" effect, in which higher terrestrial temperatures trigger a disastrous rise in the ocean level.

Though the researcher believes only low-level radioactive wastes can find safe disposal at sea, he said that, "in my opinion, the nuclear fuel is a much more manageable problem."



Publications center open

Working in the new Center for Academic Publications are (from left) Theresa Bewig, Dr. Iver Duedall, and Mary Ann Nelson.



Under the Sky

The first outdoor commencement saw the awarding of the honorary doctor of science degree to Donald Engen, Director of the Federal Aviation Administration, pictured at top with President Keuper and Dr. James Lyons, Chairman of the F.I.T. Board of Trustees. Faculty Scholarship Award winners for highest grade point averages were electrical engineering students Jana Johnson and Raymond Sablynski (pictured), and chemical engineering student Jeffry Straight.



International office is expanded

Dr. Arthur A. Kimball, executive director of the Florida-Colombia Partners and the first director of the U.S. Information Agency (USIA), has been appointed director of International Affairs by President Keuper.

Keuper has also assigned Joy Dickens, who serves as international student advisor, additional duties in assisting Dr. Kimball with the Florida-Colombia Partners organization.

"The university has grown to the level that we need the expertise offered by both Dr. Kimball and Ms. Dickens in dealing with the many international students we have studying at F.I.T.," Dr. Keuper explained.

The president added that F.I.T. "will benefit greatly from the services and input provided by these two outstanding individuals."

In addition to his role with USIA in its early stages, Dr. Kimball has also served as an assistant to President Dwight Eisenhower from 1953 to 1960, and was instrumental in the creation of NASA, the Department of Health, Education and Welfare as well as the Federal Aviation Agency.

In the early 1970s he served as assistant to President Richard Nixon and later was named Director of the Office of International Training for A.I.D., Department of State.

An international law attorney, Dr. Kimball is also a member of the Board of Directors and Executive Committee of Partners of the Americas, the organization of which Florida-Colombia Partners is a member. He has been associated with F.I.T. since 1976.

Ms. Dickens has an extensive background in foreign service with the Department of State. Prior to joining F.I.T. in 1976 she was first secretary of the U.S. embassy in Caracas, Venezuela. Prior to that time her appointments included positions in the U.S. embassies in Argentina, Peru, Paraguay, Iraq, Greece and Mexico.

She is a member of the American Foreign Service Association, the National Association for Foreign Student Affairs and the corporate representative from F.I.T. to the American Association of University Women.