

CAMPUS NOTES



FLORIDA INSTITUTE OF TECHNOLOGY

FEBRUARY 1984

Dr. Cordon Edmund, curator of vertebrate paleontology at the Royal Ontario Museum, Toronto, spent several days visiting with Dr. Eleanor Storrs at the Medical Research Institute, and her husband, Dr. Harry Burchfield. Edmund is an authority on late Pliocene to late Pleistocene Xenarthrans. He has reconstructed fossils from Florida and South America including giant sloths and extinct armadillos from several locations in the Sunshine State.

Jack Schwalbe, assistant professor in Civil Engineering, and James V. Cox of the Naval Civil Engineering Laboratory at Port Hueneme, CA, recently co-authored a paper entitled, "Microcomputer Program for Steel Beam Column Analyses." Schwalbe presented the paper at the First National Conference on Microcomputers in Civil Engineering in Orlando. Cox is an F.I.T. graduate, with a B.S. in Ocean Engineering.

F.I.T.'s first financial officer, Bob Kelly, passed away on Christmas day at the age of 69. He worked as a mathematician for RCA in the space program at Cape Canaveral. Most recently, he was a computer expert for the Navy in Washington, D.C.

Dr. James Sharber, associate professor in Physics and Space Sciences, recently delivered an invited paper at a Workshop on Magnetospheric and Atmospheric Phenomena in the Auroral Regions, sponsored by the National Science Foundations.

The gathering at College Park, MD, was to allow coordination of joint auroral investigations between U.S. and Finnish researchers. Sharber's paper was entitled, "Cooperative Investigation with Dynamics Explorer Particle Experiments."

The workshop led to a visit to F.I.T. by Dr. Pekka Tanskanen, chairman of the Department of Physics at the University of Oulo, Finland. Tanskanen presented a seminar to F.I.T. student and faculty.

President Keuper was presented with the "Roadrunners Award" when he led a 120-member Florida delegation to the Part-

ners of Americas XII International Convention at Merida, Mexico. The award goes to the state with the largest attendance.

F.I.T.'s Dr. Arthur Kimball, secretary and executive director of the Florida-Colombia Partners, was re-elected to a two-year term on the Executive Committee of the National Association of the Partners of the Americas. He will serve also on the international board of directors of the Partners of the Americas, Inc.

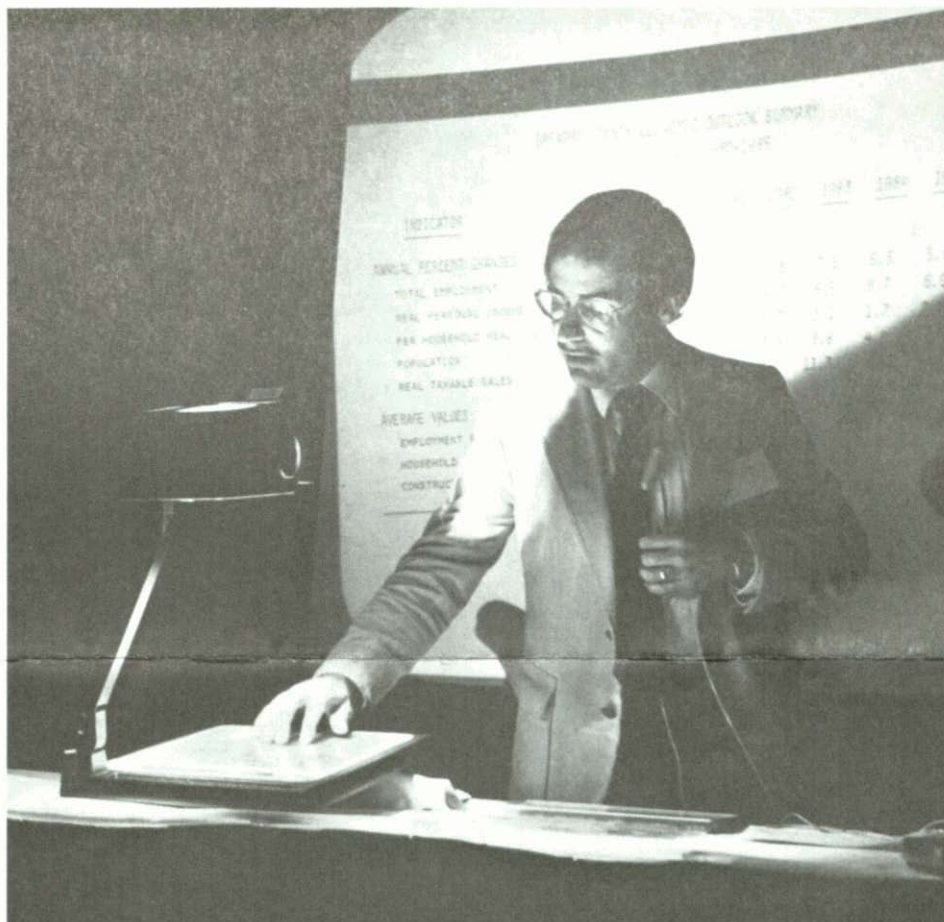
Vetra Knight of the Library staff has celebrated her sixteenth anniversary with the university.

Palmer Stiles, assistant professor, and Dr. Tom Bowman, department head of Mechanical Engineering, attended the Winter Annual Meeting of the American Society of Mechanical Engineers in Boston. Stiles was elected chairman of the Society's National Student Sections Committee. Bowman chaired a panel discussion on engineering accreditation that attracted an audience of more than 100. He also chaired meetings of the National Mechanical Engineering Department Heads Committee. And as a new member beginning a two-year term, Bowman took part in meetings of the Board on Engineering Education.

Dr. Bob Scaringe of Mechanical Engineering published in the "AIAA Journal of Energy" a paper on "Factors Affecting the Optimization of the Stirling Cycle for Use as a Heat Pump." Scaringe has been chosen to represent F.I.T. in the 1983 Research Competition of the American Society for Engineering, Southeastern Section.

President Jerome P. Keuper has been elected Chairman of the Board of the Jacksonville Branch of the Federal Reserve Bank of Atlanta.

The Jacksonville Federal Reserve Bank serves central and north Florida. Its board of directors is composed of four commercial bankers, and three non-bankers including Dr. Keuper. He is beginning a sixth year of service on the federal bank board.



The economic future unveiled

F.I.T.'s Dr. Jon Knight delights members of the Chamber of Commerce of South Brevard by forecasting a booming local economy over the coming year. Knight's delivery of his expectations, based on a computerized econometric model of the Brevard County economy, came at the Chamber's monthly "Early Bird" breakfast that is hosted by F.I.T. Knight was introduced by Dr. Roger Manley, head of Management.

NASA award goes to Dr. Thomas

The nation's space agency has saluted an F.I.T. researcher for work leading to "hypergol vapor removal systems" to clean hazardous fumes that are given off by liquid fuels used in the Space Shuttle. Receiving the NASA award was Dr. John J. Thomas, principal investigator in a multi-year research effort at F.I.T.

A "Certificate of Recognition" and cash award accompanied NASA's decision to publish in its prestigious "Tech Briefs" a paper written by Thomas describing the system, announced Dr. Ronald Jones, Director of the Medical Research Institute (MRI).

The paper published is entitled, "Alumina packed bed removes hypergol vapors from gas," said Thomas. He said it covers work he completed with former graduate student David Mauro.

"A hypergol vapor removal system designed for NASA is in use at Kennedy Space Center at areas where liquid fuel and

liquid oxidizer operations are located," explained Dr. Thomas.

Mixing those two materials produces power for the Shuttle in space. On the ground, vapors from the materials can be rendered safe when they are passed through the system developed in the F.I.T. work.

The project has also involved the work of Dr. Thomas Bowman, head of Mechanical Engineering, and Dr. Ronald Barile, chairman of the Chemical Engineering program.

Thomas, who has been involved in development of hypergol vapor removal systems for eight years, said NASA contracts called for researchers to evaluate multiple methods of handling hazardous fumes from liquid fuels. In 1980 NASA made a similar award for the F.I.T. work, and published a brief on "Use of acetylacetone solutions as scrubbing liquids for monomethylhydrazine (MMH)."



Falcons transport trophies

A Southeast Regional Flight Meet provided the F.I.T. Falcons student flight team with an opportunity to win the Team Championship Award along with many more honors. Pictured, from left in front, are Pamela Smith, Michael Weaver, Kathleen Varley and Stephen C. Panno. Behind them are, from left, Robert Allen, Scott Stebbins, advisor Ed Everett of Aeronautics, John Cannon and David Tornabene. Falcons captain Kurt Andersen, a sophomore in Aviation Management, captured the Top Pilot spot from among 50 student aviators competing. The F.I.T. victory made the team eligible to participate in national competition in Colorado during April.



Congratulations

NASA citation winner Dr. John Thomas, at left, is congratulated by Dr. Ronald Jones, head of the Medical Research Institute.

Students and grads of F.I.T. boost 'think tank'

A "think tank" business based in South Brevard has found that opening its doors to the bright young minds of students from F.I.T. pays multiple dividends to all parties concerned.

The students are working for **Brownell-Bitner & Associates**, an innovative management consultant firm based in Melbourne. Two of their co-workers are F.I.T. graduates who remained with Brownell-Bitner after graduation.

The students are participating in a unique training program initiated by James H. **Brownell**, founder and president of the firm.

The program combines flexible work schedules for the students with for-pay work experience in a broad spectrum of the company's consulting projects.

"We have a kind of think tank here with ideas, computers and some bright young people," notes Brownell.

"Although we are a small company, we hire students on a regular basis throughout the year. Those students are helping us expand our services and get other business to help pay our employees and our bills. My hope is that other companies will learn from us and develop innovative programs of their own.

"As management consultants we are sort of modern day efficiency experts," explained **Brownell**. "We assist contractors in the planning, scheduling and coordination of large construction projects."

Brownell explained that his company uses computerized scheduling techniques to assist contractors in saving time and money on construction projects.

Started in 1979, the company's privately funded management training program offers F.I.T. students a rare learning opportunity, with pay. Many student work programs are underwritten with tax dollars.

At his company, said **Brownell**, "we encourage our employees to tailor their work schedules around their class schedules. And we offer them full use of our computer facilities."

He noted that students also gain "hands-on" experience in computer programming and operation, technical writing and on-site inspection of construction projects.

Brownell's firm also benefits from the training program, the company's dozen

employees currently includes four F.I.T. students and two F.I.T. graduates. **Brownell** anticipates a record income from fees this year.

Students have assisted **Brownell** in providing consulting services to such diverse groups as Walt Disney World's EPCOT Center, the Miami International Airport Authority, Harris Corporation, Westinghouse Electric and the City of Melbourne.

A major current project will produce a management plan for Planning Research

Corporation (PRC) — a NASA contractor responsible for a \$200 million modification of Space Shuttle launch facilities at Kennedy Space Center. "This is a complex group of modifications that will occur in about 15 different places at KSC," said **Brownell**.

Currently participating in the company's management training program are F.I.T. students Mike Young of Ft. Lauderdale, Rose Marie Denaro of Melbourne, Richard Jones of Satellite Beach, and Brian Shunk of Harbour Creek, Pennsylvania. F.I.T. gradu-

ates John Wallace of Merritt Island and Jim Brown of Melbourne, veterans of the training program, now work full-time for the consultants.

Young is a senior majoring in computer science at F.I.T. He said that the training program has provided satisfying work as well as help with college tuition costs.

"When you take an exam at school, you are only proving to others that you know something. Here we help a contractor refine a concept and come up with a final product, often in a more expeditious manner and at a lower cost than (the contractor) originally estimated," said Young.

Denaro is a senior majoring in civil engineering. She is working directly in the field of her major and can immediately apply on the job what she is learning at F.I.T.

"I have learned a lot about construction just being here," said Denaro. She explained that she often goes to the work site with Michael Bitner (Brownell's partner in the firm) to view construction work completed and to verify contractors' progress.

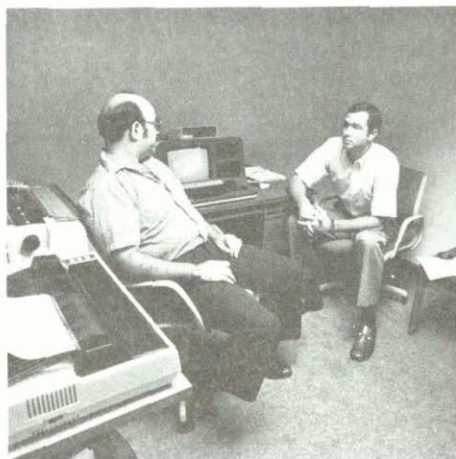
Jones is pursuing his master's degree in business administration at F.I.T. He is assisting in a broad range of the company's consulting projects, including the modifications at KSC. Jones echoes Young's sentiments.

"We not only help managers get the job done in an efficient manner, but we help them get it done right the first time and avoid costly rework," said Jones.

"Although we specialize in construction consulting, what we are really selling here is common sense," said Brown, director of computer services for the firm.

Brown explained that the firm recently completed a consulting project for Westinghouse Electric. The project involved relocating about 1,000 employees of the company's Steam Turbine and Generator Division from Philadelphia to Orlando.

"We are not afraid to ask dumb questions," said Brown. His queries pointed out the need for integration of the schedule for relocating the employees with the schedule for construction of a new building at the Orlando work site. "So we did it for them. And the cost savings was simply phenomenal," said Brown. "What do you think it should have cost the company to have 1,000 employees wait nine months before the building was completed?" he added.



On the job

Brownell-Bitner & Assoc. staffers with an F.I.T. connection include, from left, Jim Brown, Richard Jones, Rose Marla Demaro, John P. Wallace, and business founder Jim Brownell (an active member of the F.I.T. Corporation).



Games, graduation keep campus active

The annual High Tech Classic basketball tournament hosted by F.I.T. in early January saw the Panthers capture a second-place trophy. Illinois Institute of Technology prevailed in the championship game with F.I.T., while McKendree College beat Ryerson College in the consolation game.

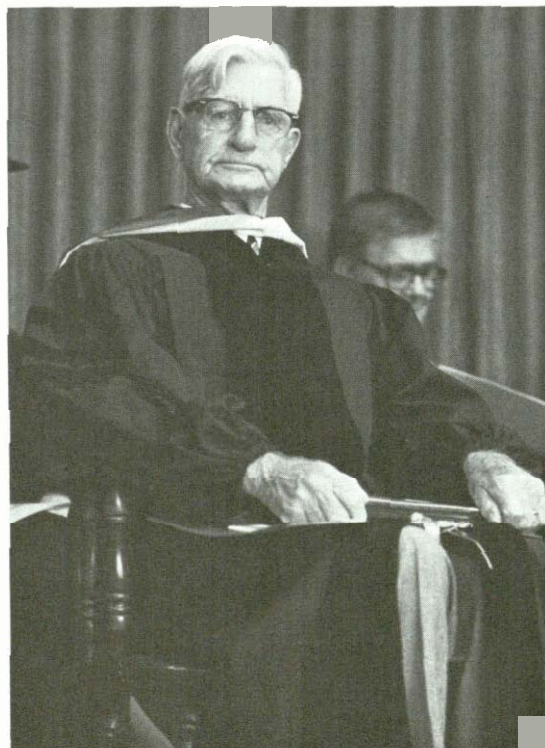
Pictured below is Panther Gary Phillips (in the white uniform) making an assault on the hoop, while a pair of I.I.T. Hawks attempt to block him. Fellow Panther David Shephard awaits the outcome. Pictured at left are F.I.T. cheerleaders in a spirit-building formation.

At recent commencement exercises the honorary doctor of science degree was presented to Dent Smith, pictured below at

left, and to Capt. William G.H. Finch, pictured with President Keuper. Both were cited for their accomplishments and for their assistance to the university.

Smith retired at a young age from a successful Wall Street career as a securities expert, and moved to Florida. Though he has since served as editor of a national magazine, most of his energies have been related to the cultivation of palm trees. The founder of The (International) Palm Society helped Dr. Keuper develop F.I.T.'s Botanical Gardens.

Finch is a radio electronics engineer whose work revolutionized "wireless" communications. He first gained international recognition in 1922 when he devised a radio link between news teletype machines in Chicago and New York. He received the Navy's Legion of Merit Medal for work in support of national security. The Port St. Lucie resident maintains a research laboratory in Virginia.



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Ira B. Cottrell (MS/Math. Sci. & Appl. Math) is the principle programmer for Sperry TSD in Dahigren, VA. **Ira**, his wife, Marilyn, and children, Stephen and Perrie, make their home in King George, VA.

70

William C. Willmot (MS/Cont. Mgt.) is a technical editor for Pan Am World Services at Patrick AFB, FL. He has been elected president of the Spaceport Chapter of the Quarter Century Wireless Association for 1984. He is presently serving as vice president for promotion and public relations for the Society of Wireless Pioneers.

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Kunio Okayasu (MS/Phys. Ocean.) lives in Tokyo, Japan, and has his own environmental consulting firm doing wave analysis and spectrum analysis, as well as environmental consulting. He is looking to employ graduates in oceanography related fields with 3.0 or better — preferably Physical Oceanography and Oceanography Engineering graduates. If you are interested, please contact the Alumni Affairs office.

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William E. Dietz, Jr. (BS/Mech. Eng.) is a research specialist for Caispan Field Services in Tullahoma, TN. He and wife Kathryn live in Tullahoma. He is the recipient of the Colwell Merit Award, Society of Automotive Engineers.

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William L. Chase (BS/Ocean. Eng.) is teaching engineering sciences at our Jensen Beach campus.

Harold S. Shafer (MS/EE) is currently working as the senior telecommunications engineer responsible for all areas of telecommunications planning for the Hanford Atomic Energy Works, Rockwell Hanford Operations, Richland, WA.

Christopher Aache (BS/Air Com.) is a passenger service representative for Pan Am World Airways at the John F. Kennedy Airport in New York.

Ronald T. Kilmcke (AA/Flt. Tech) is now the Midwest regional sales manager for the U.S. Suzuki Motor Corp., located at Elk Grove Village, IL. Ron lives in LaGrange, IL.

Dale E. Thompson (BS/Mgt. Sci.) lives in Virginia Beach, VA, and is currently controller and director of finance at Cox Cable N of Tidewater, the 15th largest cable N system in the nation.

Brian J. Izzo (AA/Flt. Tech.) is a corporate pilot for the Medusa Corporation of Cleveland, OH. He is flying out of Cuyahoga County Airport. Brian was married in May 1982 and he and his wife have a five-months-old daughter. (Congratulations!)

Thomas F. Stewart (BS/Mar. Bio.) is a laboratory supervisor at Holmes Regional Medical Center in Melbourne, FL. He lives in Palm Bay.

Richard L. Seither (BS/Bio.) is a post-doctoral fellow at the University of Missouri, Columbia, MO. Seither completed his Ph.D.

in December 1983 in microbiology. He will begin a training fellowship this spring in biochemical pharmacology of anticancer drugs at the Medical College of Virginia (Richmond). Seither and his wife, Susan, have two children, Christy and Jenny.

Eugene L. Jeffords (BS/Bio. Sci.) is a nuclear safety engineer at General Electric Company in Wilmington, NC. He coaches crew after work, is attempting ABHP Certification in New Orleans 1984, and NRRPT certification. He plans a career move to Health Physics Consulting.

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Norman R. Meeks (BS/Air Com.) is an airline pilot of DC-9s for US Air based at Washington National Airport in Washington, D.C. He lives in Niles, OH and has a two-year-old daughter named Kerri Joy.

David J. Hardee (BS/Air Com.) is a computer software salesman for the National

Data Corporation in Atlanta. Hardee lives in Sugar Hill, GA.

Earl J. Hayter (BS/Phys. Ocean.) received his Ph.D. from the University of Florida in December 1983 in coastal and oceanographic engineering. Hayter is an assistant professor of civil engineering at Clemson University, SC.

Joan K. Nordstrom (BS/Bio. Sci.) and **Donald A. Bee (BS/Bio. Sci.)** were married June 1982 and now have a son, **Jessee Aaron Bee**, born April 13, 1983. Don is a fish culturist at Clear AFS Hatchery in Clear, AK. His interest is in sled dogs. Joan is currently a homemaker taking care of little Jessee. She was a fish culturist also. (Congratulations!)

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Rafael J. Martinez (BS/EE) of Baton Rouge, LA, is a graduate student at Louisiana State University.

Harry Cohen (BS/Comp. Sci.) is a senior programmer for Sperry DSD, in St. Paul, MI, where he also resides.

John Soderberg (MS/Cont. & Acquis. Mgt.) is a policy manager for the Digital Equipment Corporation in Merrimack, NH. His home is in Mariborough, MA.

Robert J. Henrich Jr. (MBA) lives in Alexandria, VA, and is an account executive with E.F. Hutton in Washington, D.C.

Steven J. Schaefer (MBA) is director of programming at Loral Electronic Systems in Atlanta, and lives in Norcross, GA.

Helena Lessa Monteiro (MS/Cont. & Acquis. Mgt.) lives and works in Rio de Janeiro, Brazil. Monteiro is an economist, a public functionary, for the superintendent of private insurance (superintendencia de seguros privados).

Dr. David Presser (BS/Bio. Sci.) is a dentist and lives and works in Saratoga Springs, NY.

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Donnie L. George (MS/Cont. Proc. Mgt.) is now a major in the Army. He works as contracts administrator at the Harry Diamond Laboratory Contracts Branch, Vint Hill Farms Station, Warrenton, VA. After attending Armed Forces Staff College and Defense Systems Management College, he is now administering research and development type contracts. He is now enjoying the Washington, D.C., area.

Lucien F. Keller (MS/Log. Mgt.) is a major in the Army (Medical Svc. Corps) and was recently assigned to University of Washington to complete a Ph.D. in operations and systems analysis. He lives in Tacoma, WA.

Sabrina Kipp (AS/Flt. Tech.) is a pilot and no-captain on an 840 Commander and is now in school for a Merlin IIIB which her corporation recently purchased. According to her co-pilot, Sabrina is considered to be one of the very finest instrument pilots in the area, is an FAA accident prevention counselor and gives lectures on aviation safety and night flying and is a part-time flight instructor. She also serves as director of operations for an air taxi operation, and is known as a "can-do" pilot — any airplane to any place in any weather, calmly and smoothly. Sabrina lives in Baltimore.

Harold E. Shappell Jr. (AS/Flt. Tech.) is president, treasurer, and chief pilot for Shappell's Property Investment, Inc., in Hollywood, FL. Harold reports that he took first place in the Key West Blue Marlin Tournament in October 1983. His fish was 328 lb. and 12 oz. (Congratulations!)

Katharine (Kiehl) Felson (BS/Bio. Sci.) is a cosmetic chemist for Maybrook Inc. in Lawrence, MA. On December 31, 1983, she was married to Alex Feison. Alex was a student at F.I.T. for two years (1974-76). They live in Windham, NH. (Congratulations!)

Evan Futterman (BS/Air Com.) is a senior airport planner with HNTB in Alexandria, VA. He and his new wife have moved to Annandale, VA.

Randy Cheyne (BS/Ocean. Eng.) is a senior engineer with Mark Technologies Corporation in San Francisco. He is working on temporary assignment at the Midland Energy Center performing SMIC Analysis. He and wife Helen and baby daughter Nicole reside in Saginaw, MI.

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Carolyn Kinebrew (BS/Bus. Adm.) has been accepted to the law program at the University of Florida. Carolyn was previously employed at Harris and makes her home in Melbourne, FL. (She is not working toward her master's as was previously reported.)

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Alumni Talk . . .

Dear Alumni:

By the time you receive this, the Alumni Weekend at F.I.T. will have come and gone. We hope all of you who were able to attend enjoyed yourselves, and that those who missed it will be with us next year. Needless to say, all the planning, preparation and great weather we've been having leads me to believe it will have been a great weekend.

We hope all of you received and have used your alumni decals. We received about a 13 percent response, which is nothing to brag about. But it did allow us to verify 7,800 out of 10,000 addresses. We also received information on about 1,000 more employers, and sufficient data on 1,200 alumni for OW directory. Also, we have identified approximately 300 alumni willing to assist F.I.T. in their admissions recruiting effort as well as almost 100 alumni willing to assist in organizing alumni clubs in their areas.

The results of the survey are being compiled by a group of management students (for their marketing class) thanks to Dr. Charles Keuthan. The results of the survey will be published in the next UPDATE.

If you still have your survey buried in the pile of junk mail that you have vowed to weed through (and file accordingly!) we would still appreciate your taking a few minutes to fill it out. The information is really invaluable.

The end of a one-year term has come for four of our alumni association board members: our president, Jim Irvin; treasurer, Jeffrey Bass; secretary, Bob Heidinger, and board member, J. Allyn Smith. I would like to take this opportunity to thank these individuals for their efforts in launching an Alumni Association of F.I.T. I would also like to say that I am enthusiastic about the nominees replacing these individuals and look forward to accomplishing many of our goals.

Other than this, the library is coming along wonderfully and alumni support has begun to show improvement. Thanks goes to all those donors to date and we hope more of you can pitch in for the Buy-A-Book campaign. Several alumni have been to see me seeking employment and we have been fortunate enough to place several and have established good contacts for others. Thanks goes to those alumni assisting us in this effort.

Overall, in these first six months, I have found that those of you keeping in touch are extremely supportive and helpful, which is the best reward this position reaps. You know how people get home from work or school and can't wait to check the mail? Well, it's like that every day here and I'm one of those mail checkers! You can see by all the alumni notes that we get plenty of mail - so keep it coming!

Judi Marino

Your alumni information is sought.. .

We're looking for information about you and your classmates to share with other graduates. And if you have changed your address, or know of an alumnus who is not receiving UPDATE, please let us know. Send the completed form to the Alumni Relations Office, P.O. Box 1150, F.I.T., Melbourne, FL 32901. Thanks.

(Please print or type).

Name _____

Student No. _____ Class Year _____

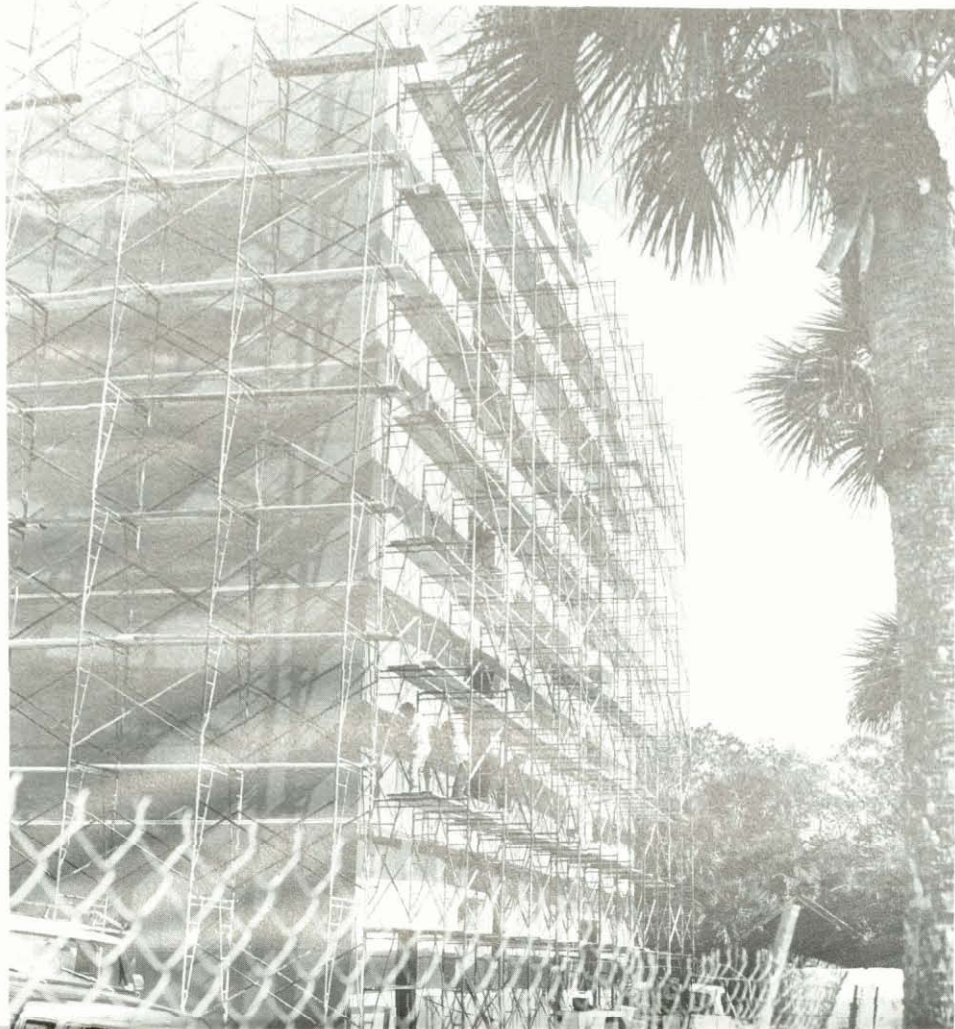
Major _____

News of Interest _____

Job Title _____

Employer _____

Home Address _____



Library progresses

Work on the new Evans Library continues, with structural and exterior work nearing completion. A cage of scaffolding surrounded the building (left) as workers completed exterior walls. Wooden beams to support the roof of a teaching auditorium (above) were hoisted into place in mid-February.

Metrotek and F.I.T. graduates share path to success

Metrotek, Inc., is a high-technology company specializing in "remote data acquisition." But over the years, the Melbourne-based firm has proven itself to also be adept in what can be termed "F.I.T. grad acquisition."

For Elliott Sharpe, Metrotek's President and Chief Executive Officer, that realization didn't come until he began active participation in the F.I.T. Corporation. He is Chairman of the Corporation's Long Range Planning Task Force.

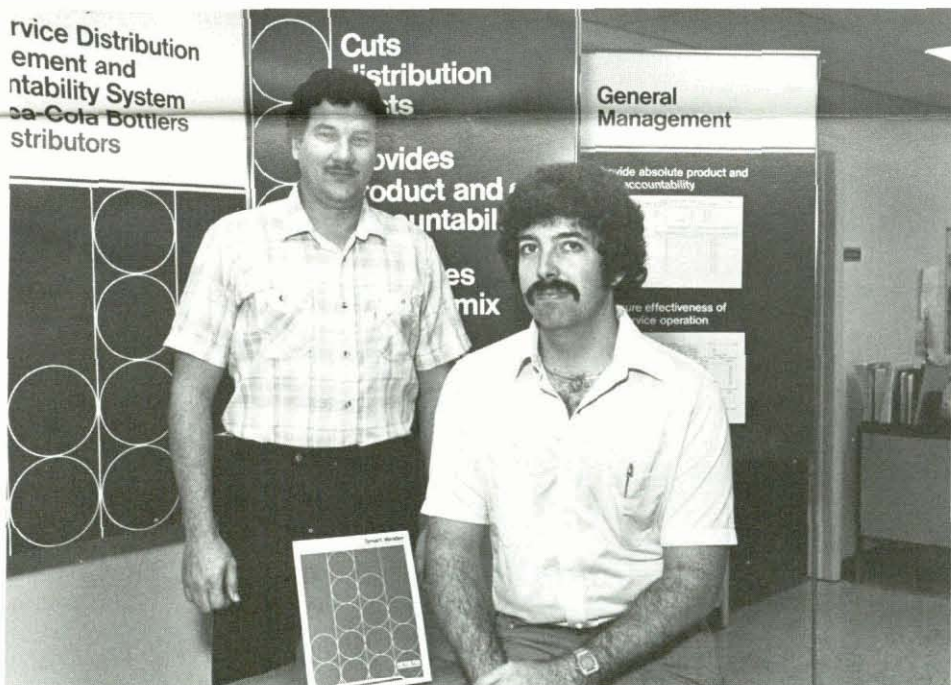
When he began to count F.I.T. heads, Sharpe turned up eleven alumni among the company's 45 full-time staff members. Six other part-time workers are currently F.I.T. students.

"We look for bright, aggressive, topical young people," Sharpe said of Metrotek's hiring practices. A halfdozen of the F.I.T. grads were already at work when Sharpe took the company reins two and one-half years ago. "Three of them started working here when they were students," he said of the Metrotek veterans.

in computer science, 1979), programmer I; Paul Brown, (B.S. in computerscience), programmer II; Steve D'Amato (B.S. in computer engineering, 1983), programmer II; Joan Cressman (B.S. in computer science, 1983), programmer III, and Lynn Vanderzyl (B.S. in computer science, 1983), programmer.



Metrotek's Elliot Sharpe



The F.I.T. alumni at Metrotek include Tom Bushman (B.S. in computer science, 1970), vice president of engineering; Don Stephenson (B.S. in computer science, 1979), manager of software development; Richard Wright (B.S. in computer science, 1978), director of sales, and Mac Cowart (B.S. in electrical engineering, 1969, and M.S. in environmental engineering, 1975), manager of hardware development.

Also among the alumni are Saleem Ahmed (M.S. in electrical engineering, 1976), senior engineer; Michael Moore (B.S.

"The ability of your business to grow is dependent on the quality of the people you hire," noted Sharpe.

His leadership role in the F.I.T. Corporation, an organization dedicated to advancing the university, also reflects another company need. "The ability to keep good people is dependent on all of the opportunities that exist in the community," he said. "That certainly includes educational opportunities that allow professionals to maintain their knowledge in their fields, and to further their educations."

Florida Institute of Technology

F.I.T. Update

on education • research • alumni

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The Metrotek work force is on the leading edge of remote data collection technology that is finding increasing numbers of applications.

Sharpe explained that Metrotek work is based on patents that have been won by the company over a ten-year period. "There is another patent to be issued in about a month," Sharpe said of continuing development work.

A joint project that has been underway for several years between Metrotek and the Coca-Cola Co. provides an example of newest applications of the remote data collection systems.

What has emerged from the cooperative venture is the "Smart Vender," which

Metrotek is marketing to Coke bottlers and distributors as a "full service distribution management and accountability system."

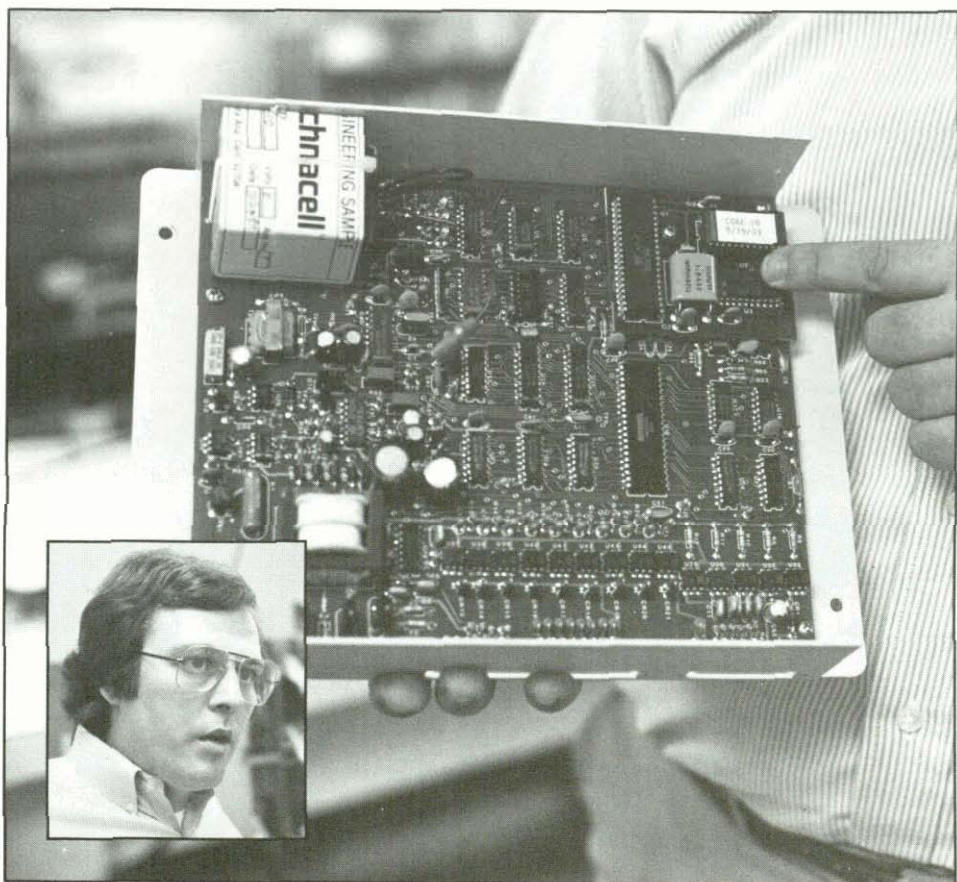
Metrotek is able to make a Coke machine smart enough to keep track of its sales and its working condition, and to call home on a regular basis with that information. Small computer minds are installed in the vending machines, and those devices are connected by way of the existing telephonesystem to a central computer controlled by the beverage distributor.

Metrotek provides both hardware and computer software (programs) needed for the information system.

On a regular basis, a machine that is part (Continued on page four.)

Grads boost Metrotek

F.I.T. graduates Mac Cowart (left) and Don Stephenson, key managers for Metrotek, pose with a display promoting the company's "Smart Vender" system. Below, alumnus Tom Bushman offers a peek at the heart of a remote sensing device.



Sci. & Math) is the principle programmer for Sperry TSD in Dahlgren, VA. Ira, his wife, Marilyn, and children, Stephen and Perrie, make their home in King George, VA.

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Ronald T. Klimcke (AA/Fit. Tech.) is now the Midwest regional sales manager for the US Suzuki Motor Corp., located at Elk Grove Village, IL. Ron lives in LaGrange, IL.

Dale E. Thompson (BS/Mgt. Sci.) lives in Virginia Beach, VA, and is currently controller and director of finance at Cox Cable TV of Tidewater, the 15th largest cable TV system in the nation.

Brian J. Izzo (AA/Fit. Tech.) is a corporate pilot for the Medusa Corporation of Cleveland, OH. He is flying out of Cuyahoga County Airport. Brian was married in May 1982 and he and his wife have a five-months-old daughter. (Congratulations!)

Thomas F. Stewart (BS/Mar. Bio.) is a laboratory supervisor at Holmes Regional Medical Center in Melbourne, FL. He lives in Palm Bay.

Richard L. Seither (BS/Bio.) is a post-doctoral fellow at the University of Missouri, Columbia, MO. Seither completed his Ph.D.

in December 1983 in microbiology. He will begin a training fellowship this spring in biochemical pharmacology of anticancer drugs at the Medical College of Virginia (Richmond). Seither and his wife, Susan, have two children, Christy and Jenny.

Eugene L. Jeffords (BS/Bio. Sci.) is a nuclear safety engineer at General Electric Company in Wilmington, NC. He coaches crew after work, is attempting ABHP Certification in New Orleans 1984, and NRRPT Certification. He plans a career move to Health Physics Consulting.

76 Norman R. Meeks (BS/Air Com.) is an airline pilot of DC-9s for US Air based at Washington National Airport in Washington, D.C. He lives in Niles, OH and has a two-year-old daughter named Kerri Joy.

David J. Hardee (BS/Air Com.) is a computer software salesman for Me National

Data Corporation in Atlanta Hardee lives in Sugar Hill, GA.

Earl J. Hayter (BS/Phys. Ocean.) received his Ph.D. from the University of Florida in December 1983 in coastal and oceanographic engineering. Hayter is an assistant professor of civil engineering at Clemson University, SC.

Joan K. Nordstrom (BS/Bio. Sci.) and Donald A. Bee (BS/Bio. Sci.) were married June 1982 and now have a son, Jesse Aaron Bee, born April 13, 1983. Don is a fish culturist at Clear AFS Hatchery in Clear, AK. His interest is in sled dogs. Joan is currently a homemaker taking care of little Jesse. She was a fish culturist also. (Congratulations!)

77 Rafael J. Martinez (BS/EE) of Baton Rouge, LA, is a graduate student at Louisiana State University.

Harry Cohen (BS/Comp. Sci.) is a senior programmer for Sperry DSD, in St. Paul, MI, where he also resides.

John Soderberg (MS/Cont. & Acquis. Mgt.) is a policy manager for the Digital Equipment Corporation in Merrimack, NH. His home is in Marlborough, MA.

Robert J. Henrich Jr. (MBA) lives in Alexandria, VA, and is an account executive with E.F. Hutton in Washington, D.C.

Steven J. Schaefer (MBA) is director of programming at Loral Electronic Systems in Atlanta, and lives in Norcross, GA.

Helena Lessa Monteiro (MS/Cont. & Acquis. Mgt.) lives and works in Rio de Janeiro, Brazil. Monteiro is an economist, a public functionary, for the superintendent of private insurance (superintendencia de seguros privados).

Dr. David Prosser (BS/Bio. Sci.) is a dentist and lives and works in Saratoga Springs, NY.

78 Donnie L. George (MS/Cont. Proc. Mgt.) is a major in the Army. He works as contracts administrator at the Harry Diamond Laboratory Contracts Branch, Vint Hill Farms Station, Warrenton, VA. After attending Armed Forces Staff College and Defense Systems Management College, he is now administering research and development type contracts. He is now enjoying the Washington, D.C., area.

Lucien F. Keller (MS/Log. Mgt.) is a major in the Army (Medical Svc. Corps) and was recently assigned to University of Washington to complete a Ph.D. in operations and systems analysis. He lives in Tacoma, WA.

Sabrina Kipp (AS/Fit. Tech.) is a pilot and co-captain on an 840 Commander and is now in school for a Merlin IIIB which her corporation recently purchased. According to her co-pilot, Sabrina is considered to be one of the very finest instrument pilots in the area, is an FAA accident prevention counselor and gives lectures on aviation safety and night flying and is a part-time flight instructor. She also serves as director of operations for an air taxi operation, and is known as a "can-do" pilot — any airplane in any place in any weather, calmly and smoothly. Sabrina lives in Baltimore.

Harold E. Shappell Jr. (AS/Fit. Tech.) is president, treasurer, and chief pilot for Shappell's Property Investment, Inc. in Hollywood, FL. Harold reports that he took first place in the Key West Blue Marlin Tournament in October 1983. His fish was 328 lb. and 12 oz. (Congratulations!)

Katharine (Kiehl) Felson (BS/Bio. Sci.) is a cosmetic chemist for Maybrook Inc. in Lawrence, MA. On December 31, 1983, she was married to Alex Felson. Alex was a student at F.I.T. for two years (1974-76). They live in Windham, NH. (Congratulations!)

Evan Puterman (BS/Air Com.) is a senior airport planner with HNTB in Alexandria, VA. He and his new wife have moved to Annandale, VA.

Randy Cheyne (BS/Ocean. Eng.) is a senior engineer with Mark Technologies Corporation in San Francisco. He is working an temporary assignment at the Midland Energy Center performing SMIC Analysis. He and wife Helen and baby daughter Nicole reside in Saginaw, MI.

79 Carolyn Kinebrew (BS/Bus. Adm.) has been accepted to the law program at the University of Florida. Carolyn was previously employed at Harris and makes her home in Melbourne, FL. (She is not working toward her master's as was previously reported.)

Jeffrey M. Macuga (BS/Air Com.) lives in North Royalton, OH and is a captain for Wright Airlines at the Burke Lakefront Airport in Cleveland, OH.



Alumni Talk . . .

Dear Alumni:

By the time you receive this, the Alumni Weekend at F.I.T. will have come and gone. We hope all of you who were able to attend enjoyed yourselves, and that those who missed it will be with us next year. Needless to say, all the planning, preparation and great weather we've been having leads me to believe it will have been a great weekend.

We hope all of you received and have used your alumni decals. We received about a 13 percent response, which is nothing to brag about. But it did allow us to verify 7,800 out of 10,000 addresses. We also received information on about 1,000 more employers, and sufficient data on 1,200 alumni for our directory. Also, we have identified approximately 300 alumni willing to assist F.I.T. in their admissions recruiting effort as well as almost 100 alumni willing to assist in organizing alumni clubs in their areas.

The results of the survey are being compiled by a group of management students (for their marketing class) thanks to Dr. Charles Keuthan. The results of the survey will be published in the next UPDATE.

If you still have your survey buried in the pile of junk mail that you have vowed to weed through (and file accordingly!) we would still appreciate your taking a few minutes to fill it out. The information is really invaluable.

The end of a one-year term has come for four of our alumni association board members: our president, Jim Irvin; treasurer, Jeffrey Bass; secretary, Bob Heidinger, and board member, J. Allyn Smith. I would like to take this opportunity to thank these individuals for their efforts in launching an Alumni Association of F.I.T. I would also like to say that I am enthusiastic about the nominees replacing these individuals and look forward to accomplishing many of our goals.

Other than this, the library is coming along wonderfully and alumni support has begun to show improvement. Thanks goes to all those donors to date and we hope more of you can pitch in for the Buy-A-Book campaign. Several alumni have been to see me seeking employment and we have been fortunate enough to place several and have established good contacts for others. Thanks goes to those alumni assisting us in this effort.

Overall, in these first six months, I have found that those of you keeping in touch are extremely supportive and helpful, which is the best reward this position reaps. You know how people get home from work or school and can't wait to check the mail? Well, it's like that every day here and I'm one of those mail checkers! You can see by all the alumni notes that we get plenty of mail - so keep it coming!

Judi Marino

Your alumni information is sought . . .

We're looking for information about you and your classmates to share with other graduates. And if you have changed your address or know of an alumnus who is not receiving UPDATE, please let us know. Send the completed form to the Alumni Relations Office, P.O. Box 1150, F.I.T., Melbourne, FL 32901. Thanks.

(Please print or type).

Name _____

Class Year _____

Major _____

Degree _____

Street Address _____

City _____

State _____ Zip _____

News of Interest _____

Job Title _____

Employer _____

Business Address _____

City _____

State _____ Zip _____

Wolfgang Benninghoven (BS/Bio Ocean.) lives in Burlington, IO. is employed at Chevron Chemical Company in Ft. Madison, IO as an environmental technical service technician. He and his wife, Karla, are the proud parents of daughter Marina born August 1981.

Edward A. Sarkisian (BS/Air Comm.) is a corporate pilot with American Standard Inc. at Teterboro Airport, Teterboro, NJ. He lives in Cliffside Park, NJ.

Lt. Col. Harvey H. Heuter (MS/Cont. 4 Acquis. Mgt.) has been decorated with the Army Meritorious Service Medal. He is a health care materiel instructor with the Academy of Health Sciences.

Stephanie J. Wright (BS/Mgt. Sci.) is a programmer for Scientific Systems Services in Melbourne, FL.

Jeffrey Charlton (AS/Fit. Tech.) is a pilot working for Britt Aviation Inc., Morrisville, NC. He co-pilots the Citation II, Merlin IV and Merlin II. Charlton graduated from Southern Illinois University with a BS degree.

Mary (Pinsonneault) Snowden (BS/Psych.) is living overseas on a small island in the South Pacific. The name of the island is Kwajalein, part of the Marshall Islands, about 2,000 miles southeast of Hawaii. She and her family moved there last August, and Mary is expecting her second child. Mary tells us the weather is beautiful and stays about the same all year around. It stays about 80-85 during the day and drops to about 75 at night.

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Rudy Frahm (BS/Phys.) is currently pursuing her Ph.D. in the field of magnetospheric physics at Rice University in Houston. She completed her MS degree defense (Thesis title: "Cusp Particle Detection and Ion Source Oscillations") also at Rice University.

Douglas W. Harper (BSIEE) lives and works in Brooksville, FL. He is supervisor of test engineering at Sparton Electronics Florida Inc. Sparton does contract work for the Navy.

David Meurer (BS/Mar. Bio.) is an emergency medical technician with the Jefferson County Ambulance in Monticello, FL. He graduated from South Georgia Medical Centers advanced EMT class with the highest average ever (98.5). He is enrolled at Florida State University, taking classes to enter FSU's program in Medical Sciences and expects to enter in the summer of 1985. (Good Luck!)

Kurt Petersen (BS/Mar. Bio.) is working for Florida Power and Light in Miami as a fuels coordinator. His responsibilities include fuel oil terminal operations and maintenance system-wide. Kurt is also pursuing a master of science degree at the University of Miami. (Go for it!)

Scott B. Waller (BS/Air Com.-Fit. Tech.) is a corporate pilot with AMF Incorporated, flying an HS 1251700. Scott is living in Trumbull, CT, and works out of Westchester County Airport, White Plains, NY.

Craig J. Obara (BSE/Mech. Eng.) is an engineer and works for Lazzara Marine Corp. in Tampa. Obara graduated MSE in naval architecture from University of Michigan in August of 1983, and was married that month. (Congratulations!) They live in Largo, FL.

Craig A. Mansel (BS/Ocean. Tech.) has been commissioned a second lieutenant in the Air Force upon graduation from Officer Training School at Lackland Air Force Base, TX.

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Sue Imdorf (BS/Bio. Ocean.) is living in Deerfield Beach, FL, and is an assistant marine biologist with Strock and Associates in that city. Sue does environmental assessments for coastal engineering projects.

Jay David Perlstein (MS/Env. Sci.) is a technical representative for S&W Waste Inc., in South Kearny, NJ. He lives in Union, NJ.

Teresa Buoncore (BSIAir Com.) is employed at Grumman Aerospace Corporation in Bethpage, NY, as a logistic support analysis engineer. Teresa lives in Smithtown, NY.

Tim Usher, (BS/Air Com.) lives in Englewood, CO, and is an underwriter/aviation insurance broker for Aviation General, Ltd. in Denver.

James J. Gordon (BSIAir Com.) is a pilot in the Air Force, assigned to Loring Air Force Base in Maine.

Judith Samford (Ph.D./Clin. Psych.) now lives in Chicago and is chief of service at the Chicago Road Mental Health Center in that city.

Rene N. Einhouse (BS/Sci. Ed.) was recently promoted to program coordinator for the Life Management Consultants, Inc. of Uniontown, PA. LMC operates eight community wing arrangement facilities for the mentally retarded. She is also an active member of the Uniontown Area Jaycettes. She'd like to hear from more of her college friends who are urged to write to Rene's home address, RD #2, Box 179, Perryopolis, PA 15473.

Glenn M. Krafcik (AS/Fit. Tech.) is an air traffic control specialist for Cleveland ARTCC in Oberlin, OH.

David Griffith (BS/Air Com.-Fit. Tech.) just received his wings in the Air Force. He went through officers' training, and was commissioned upon graduation. His first assignment is a C-130 to Pope Air Force Base, NC.

Gary M. Meier (BS/Space Sci.) is among 23 employees at the Kennedy Space Center who are being honored for their roles in preparing the Space Shuttle for launch. Meier resides in Cape Canaveral.

Robin C. Perry (MS/Trans. Mgt.) has been promoted in the Army to the rank of lieutenant colonel. Perry is a team leader for the Department of the Army Movements Management System at Fort Lee, VA, and the Army Computer Systems Command.

Maw F. Osborne (BS/Bio. Ocean.) is a waste management specialist for the Health Department of the State of California.

Mike Stone (AS/Fit. Tech.) is a captain and first officer of the DC-3 for the Providence-Boston Airline, Ft. Myers, FL. Mike and wife Gina are expecting their first child in February. (Congratulations!)

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Amy Lynn Kauffman (BS/Air Com.-Fit. Tech.) works for PRC (Speas) Engineering in Orange, CA. Amy recently relocated to

CAN YOU HELP US FIND THESE ALUMNI?

DAVID PRITCHETT	BS/CS	1974
MARK S. WISEMAN	BS/Pre-Prof. Bio.	1976
DEBRA RIGNEY	BS/Mgmt.	1978
JOHN SHEA	BS/ME, MS/ME	1974/1978
JAMES BURKE	BS/EE	1979
GREGORY LEE	Ph.D./Psych.	1980
DAN LATENSER	BS/OE	1982
JAMES PATTON	BS/CE	1982
PAMELA RONTTE	AS/Flt. Tech.	1982
GARY STOLTZ	MBA	1983

California after nine months airport planning at Howard, Needles, Tammen & Bergendoff, in Alexandria, VA. She is engaged to F.I.T. alumnus John C. Eager (BS/Mech. Eng., 1982). John works as an HVAC design engineer, Long Beach Naval Shipyard. (Congratulations, alums).

Lt. Col. Roger J. Stallings (MS/Cont. & Acquis. Mgt.) is a Division Chief, New Systems Training office, for DOTD, in Fort Rucker, Alabama.

Pam Smith (Tech. Com.) and Richard Winegar (Mol. Bio.) a 1983 F.I.T. graduate, were married August 27th and make their home in Oak Ridge, TN. (Congratulations!)

James F. Augspurger (Air Com.-Fit. Tech.) is a second lieutenant in the Marine Corps and an air traffic control watch officer at Beaufort, SC. He is married to former Vanessa Snyder of LaGrange, KY. (Best Wishes!)

Peter Gibbs (BS/Civ. Eng.) works for New York State Division of Solid and Hazardous Waste in the Albany area. He is currently taking courses in computer area and has decided to continue his education in civil engineering.

Carl A. Cannon (MS/Log. Mgt.) has completed the Army's ordnance officer advanced course at Aberdeen Proving Ground, MD. Carl is captain in the Army.

Capt. John B. Vitullo, Jr. (MS/EE) who is employed at the Kennedy Space Center, is among 52 employees at KSC honored for their roles in preparing the Space Shuttle for launch. He was graduated from the Air Force Academy, Colorado Springs, as a cadet. He and wife Deborah live in Melbourne.

David Coftman (BSIAir Com.-Fit. Tech.) has completed his USAF pilot training and has been assigned to fly the F-16 with the 58 TTW. Luke Air Force Base, Phoenix, AZ. Coffman is a second lieutenant in the Air Force.

John P. Sittler (BSIAir Com. Flt.) is now a second lieutenant and pilot with the Air Force. He flies the T-38 Talon at Reese Air Force Base, Lubbock, TX.

Dr. Evelyne R. Wolf (Ph.D./Behav. Sci.) is associated with the Development Resources Center of Hollywood and N. Miami Beach, FL. She has been working with the Women's Outreach at Broward Community College by teaching a couple of courses. She is also listed in World's Who's Who of Women. (Congratulations!)

Phillip Lockwood (BSIAir Com.-Fit. Tech.) is a marketing manager for the Maxair Sports Co. of Colen Rock, PA. He was married Sept 10, 1983, to former F.I.T. student Chantal Aquilina (BS/Mgt. Sci.) who graduated in 1982. (Good luck!)

Gary A. Hislip (BS/Bus. Admin.) has been promoted in the Air Force to the rank of captain. Hislip is a mechanical engineer at Kirtland Air Force Base, NM, with the Air Force Space Technology Center.

Leslie Brooks (BS/Env. Sci.) is a lab technician (microbiology) at Walt Disney World. She tests to make sure Disney stays micro-free, she says. Lesliesays: "Forthose fellow Scientists that are overshadowed by computers and engineers, have faith! The jobs are there but if you want high pay either find a rich company or a different route (no high payment in labs)."

Larry W. Armbricht (MS/Mgt. Sci.) has been promoted in the Army to the rank of lieutenant colonel. Armbricht is an executive officer in Alexandria, VA, with the Army Military Personnel Center.

Capt. Carl A. Cannon (MBA-Logistics Mgt.) has completed the Army's ordnance officer advanced course at Aberdeen Proving Ground, MD.

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Capt. Albert L. Phillips (MBA) has been chosen instructor pilot of the year for the 435th Tactical Fighter Training Squadron. He is a squadron weapons and tactics officer at Holloman Air Force Base, NM.

Catherina Dubbleday (BS/Psych.) is currently studying law at Emory University in Atlanta. She expects to graduate in May 1986.

Marc L. Borkowski (AS/Fit. Tech.) is a flight instructor for Northern Air Service of Grand Rapids, MI.

Lawrence Myers (MBS/Bio. Env. Ocean.) is a sales engineer for Perkin-Elmer Corporation of Altamonte Springs, FL. Myers married Jo-Ann Sanfilippo in July 1983. (Congratulations.)

Capt. David M. Cole (MBA) is an exchange officer at the RAAF Base Richmond, APO San Francisco. He is senior project officer responsible for air transportability development of unique Australian Defense Force equipment. This includes airdrop and external lift trials of some equipment if required.

Thomas Martin Hoider Jr. (BSIAir Com.) is a second lieutenant pilot for the Air Force and upon graduating officers' training he will be stationed at Columbus AFB, MS. Hoider married Lynn M. Gardner (AS/Fit. Tech., 1981) and they have a daughter, Kaii.

Peggy Donn Himmelstein (Ph.D./Clin. Psych.) lives in El Paso, TX, and is a marriage and family therapist in Affiliated Psychological Services. She is the chairperson of the public relations committee, Texas Association of Marriage and Family Therapy.

John Horan, Jr. (MS/Comp. Sci.) is one of many employees honored for his role in the Space Shuttle program. Horan and wife Patricia and their two children make their home on Merritt Island, FL. He received his F.I.T. degree in Air Commerce in 1974.

Betty Stansbury (BS/Avia. Mgt.) is the airport manager at San Marcos Municipal Airport, San Marcos, TX.

Willard G. Johnson, Jr. (MS/Sys. Mgt.) is an equipment specialist for the Army at Redstone Arsenal, AL. He completed his second F.I.T. graduate degree (his fourth master's) in December 1983 on MSSM.

Second Lt. Robert F. Wentworth (BSIAir Com.-Fit. Tech.) has graduated from Air Force pilot training and received his silver wings at Columbus Air Force Base, MS.

Sudhir Dikshit (MBA/Bus. Admin.) is a principal engineer for Codex Corporation in their modulation research department. He heads the research effort in the area of image processing. He and wife Asha and baby daughter Sapna enjoy the snow-covered landscape of Massachusetts. They live in Norwood.

Linda Lee Loyd (BS/EE) is living in Huntsville, AL, and works as a test and development engineer for Chrysler Corporation in Huntsville.

George Moore (BS/Comp. Sci.) is employed as a software design engineer by Texas Instruments in Dallas, and resides in that city.

John A. Dady (AS/Petrol. Serv. Tech.) works as a facility development engineer at Cape Canaveral. Dady lives on Merritt Island.

Donna Pribish (MS/Cell. & Molec. Bio.) of Lebanon, NH, is working on cancer research at the Dartmouth Medical School Pathology Department in Hanover.

Alan L. Love (MBA/Log. Mgt.) is a major in the Army with medical logistics as his speciality. He is presently assigned to Health Services Command, Fort Sam Houston, TX as an inspector general.

John Klein (BS/OE) is a project engineer (OE Division) for the Coast Guard in headquarters, Washington, D.C. Klein lives in Alexandria, VA.

Ralph M. Johns (Psy.D./Clin. Psych.) is an associate psychologist at St. Lawrence County Mental Health Services in Potsdam, NY.

Fannie M. Paulock (BS/Space Sci.) is an associate spacecraft analyst with RCA American Communications in Sussex, NJ and lives in Hamburg, NJ.

Rosaria M. Ward, (Ph.D./Clin. Psych.) has been promoted to senior staff psychologist at Bergen Pines County Hospital in New Jersey. She is involved with the training of psychology interns, including two Psy.D. candidates from F.I.T. Rosaria lives in Ringwood, NJ.

Hilary B. Slavin (Psy.D./Clin. Psych.) is a Psychologist working at the Georgia Mental Health Institute in Atlanta. Hilary lives in Decatur, GA.

Joseph J. D'Agostino (BS/Space Sci.) is a Shuttle engineer at Rockwell International, Vandenberg Air Force Base, CA.

Susan Wahi (BS/Space Sci.) is a member of the technical staff of the Aerospace Corporation, El Segundo, CA, and she lives in Manhattan Beach, CA.

Baronio Jimenez (MS/Bus. Adm.) is living in Bogota, Colombia, and is a military officer with the Colombian Air Force.

Chang-Bae Yim (MS/Civ. Eng.) is living in Seoul, Korea, and is a major in the South Korean Army. At present he is working on design installation of civil engineering facilities.

Henry A. Wicke III (BSIAir Com.-Fit. Tech.) is employed by Patriot Aviation Corporation in Bedford, MA, as a flight instructor-single/multi-engine. Henry lives in Clarence, NY.

Cindy Smith (BS/Env. Eng.) is working in the air and hazardous waste division of the Environmental Protection Agency in Dallas as a safety engineer.

Thomas L. Haller (MS/Sys. Mgt.) is serving as a major in the Army.

Alan K. Meeker (BS/Molec. Bio.) is a research technician working at NCI-Frederick Cancer Research Facility, Fort Detrick, Frederick, MD. He married Sonya Ryzewski on July 23, 1983. She is currently working at Johns Hopkins, Baltimore. They live in Ellicott City, Maryland. (Congratulations!)

Stephen L. Morgan (MS/Mgt.) is associated with the Space Studies Institute in Florida as director. He recently presented books for the new Evans Library to President Keuper.

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Alumni Weekend!



A highly successful ALUMNI WEEK END coincided with the culmination of Homecoming Week. A first-ever F.I.T. parade added a special touch to Homecoming, with marchers led by banner totes **Marisa Correll (left)**, a freshman in chemical engineering, and **Mary McCulloch**, a junior in flight technology. On the waterfront for ALUMNI ROWING activities, Don Bee (below at left), a 1976 Bio. Sciences grad, and son Jessie, meet with **George Krewson**, of the same class and major. CASINO NIGHT dice offer good news for Dr. Don **Stewart (below)**, who earned his Bio. Science degree in 1974, and his doctoral degree in psychology at F.I.T. in 1983, watching the toss a n (from left), Catherine **Stewart**, Alice **DeBlasio**, and **Greg DeBlasio**, who earned his BS. In mechanical engineering and space sciences in 1972. **Dr. Ray Work (at right)**, current Vice Pmsldent for Administration for FIT, is holder of an MS. from the university in space sciences that was awarded in 1962. That made him eligible for a cap signifying his BREVARD ENGINEERING COLLEGE CLUB membership. Work extended the soft crown of honor to James Paddock, whose 1966 MS. in electrical engineering put him in the pre-F.I.T. ranks.

Photos by R. Goldberg



CAMPUS NOTES



FLORIDA INSTITUTE OF TECHNOLOGY

Dr. William S. Alevizon, associate professor of biological sciences, was an invited speaker at the International Conference on Artificial Reefs at Irvine, California.

At the conference, which included participants from many countries, Alevizon described his research on the development of artificial reefs in the Bahamas as a means of increasing the fish population. The research was also described at a Florida Sea Grant conference on artificial reefs held in Tallahassee.

Dr. John C. Hozier, associate professor in Biological Sciences, presented a paper on his latest research findings at the annual meeting of the American Society for Human Genetics in Norfolk, Virginia.

Dr. Richard L. Turner, associate professor in Biological Sciences, has been given an appointment as "Short-Term Visitor" at the Smithsonian Institution. The appointment, which includes travel funds to Washington, D.C., will permit Turner to conduct research at the National Museum of Natural History in collaboration with Dr. David Pawson of the Smithsonian.

Dr. Kerry B. Clark, Dr. John G. Morris, Dr. Turner and Biological Sciences Ph.D. student D. E. DeFreese of Biological Sciences attended the annual meeting of the American Society of Zoologists in Philadelphia, and presented several papers describing their research.

Dr. Marcia Applegate, a recent Ph.D. recipient at Florida State University, and Dr. Helen Zakour, who received her Ph.D. from Rice University, have been appointed Post-doctoral Fellows in Biological Sciences. Both will be working in Dr. Hozier's laboratory.

The Florida-Colombia Partners are planning a special trip to South America next July 8-15, Executive Director Art Kimball has announced. The itinerary of the seven-night, eight-day trip will include Quito, Ecuador; Contadora in the Pearl Islands Archipelago, and Panama City.

The cost is \$850 per person including air fare, hotels, transfers, and four local tours.

Further information is available by calling 676-0866.

Dr. John Trefry of Oceanography and Ocean Engineering presented a paper entitled "Geochemical Cycles of Cadmium and Lead for the Mississippi River Delta," at the 1984 Ocean Sciences Meeting in New Orleans. Simone Metz, research associate in Oceanography also presented the results of her study, "Trace Metal Leaching of Sediments as a Function of pH."

Spearheaded by Robert Trocine, research associate in Oceanography, the chemical oceanography P-PRIME research group also displayed a four-foot by eight-foot poster showing the results to date from the Mississippi Delta project. Co-authors on the work also included graduate students Thomas Vetter and Roger Bewig, and undergraduate student Diana Bisher.

Dr. Frank L. Stasa presented a paper entitled "Finite Element Analysis of Steady Convective Flows in Trobe Wall Channels" at the Fifth International Symposium on Finite Elements and Flow Problems, held at the University of Texas. The paper was co-

authored by R. Ramakrishnan, who received his M.S. in mechanical engineering in 1982.

Grace R. Wylie assistant professor for the Language Institute, delivered a paper on techniques in the teaching of writing to beginning ESL students at the International TESOL Convention held in Houston.

The Language Institute has recently been accepted into the membership of the Florida Consortium on Multilingual Multicultural Education. The organization, composed of universities and colleges throughout Florida, works to advance the study of foreign languages, English-as-a-Second-Language, and linguistics. Dr. Randall L. Alford is the institutional representative.

Annette Melnicove has announced that there is an Internal Revenue Service tax display on the first floor of the Library. IRS forms 1040EZ, 1040A, 1040, itemized deductions, application for automatic extension of time to file, moving expense adjustment, and other forms are available for public distribution. If you don't see the form or publication you need, the library reference staff can provide you with a toll free number to call to obtain it.

Instructions for the various 1040 forms are also available on cassette tape. The tapes may be checked-out of the library for one week, and renewed if another patron has not requested them. Inquire at the circulation desk for the tapes.

Ronald E. Frye has joined the Development Office as Marine Development Associate. He will be welcoming and soliciting yacht donations.

Frye's eight years of experience as a yacht broker and general manager at the Eau Gallie Yacht Basin brought him into contact with many yacht owners. He and wife Marlene reside in Melbourne, where their son and daughter were raised. They are active in civic affairs.

Dr. John J. Thomas, research professor at the Medical Research Institute, and Dr. Ronald G. Barile, chairman of the Chemical Engineering Program, presented an invited paper to the "Energy from Biomass and Wastes VIII" Symposium sponsored by the Institute of Gas Technology recently at the Hotel Royal Plaza, Lake Buena Vista. The paper was entitled "Conversion of Cellulose Hydrolytic Products to Fuels and Chemical Feedstocks."

The Center for Student Development provides a variety of services to students, faculty, and staff. Although the best known service is individual counseling, a number of other activities is available.

For example, each quarter a variety of structured groups focusing on different life skills is offered.

These may include assertiveness training, stress management, communication skills, and so on. Consultation with faculty and staff is also available.

Services are free and available to students, faculty, and staff of F.I.T. For more information, please contact Dr. Anna Beth Payne, the Center director, at extension 337.

Word processing trial looks at three computer systems

A year-long trial of word processing equipment is underway at three university locations, and will help determine the future of electronic office systems on campus.

"What we are trying to do in all three of the areas is to standardize on equipment and software we will use in the long range," explained Eddie Brock, Director of the Computer Center and architect of the word processing trial.

Microcomputers selected for the trial were the IBM Displaywriter, the IBM Per-

sonal Computer (PC), and the Phillips Micom 3004.

The Displaywriter, to be used in Graduate Admissions, is a "full blown word processor," said Brock. That computer can function on its own, or with the flip of a switch can tap into the university's IBM administrative computer.

The IBM PC is a small computer that can perform many tasks, including word processing and electronic filing. It is in use at the Registrar's Office.

The Phillips Micom is a high-capacity microcomputer designed to handle sophisticated word processing tasks. It is in use at the Development Office.

Brock noted that the trial sites were selected because of the visibility of the work place, the willingness of persons in the offices to learn electronic ways, and because of need for word processing capabilities in those areas.

Jan Werner joined the computer center staff as office automation coordinator. Her

work includes training persons to use the trial equipment, and making sure the equipment is working properly.

Brock looks forward to the day when all offices will have some form of word processing and the campus will be served by electronic mail.

"We're confident that word processing is here to stay, and will be available to the entire university over the long range," said Brock.



On trial

Office automation coordinator Jan Werner (above, center) explains the intricacies of a Phillip. Micom computer to Esther DeMoss of Development and Eddie Brock. Karen Whitehead (at right) of the Registrar's Office finds utility in an IBM PC.

IBM discounts available

The availability of discounted IBM computer equipment as well as Microsoft brand software through the F.I.T. Computer Center has been announced by Eddie Brock, director of the center.

Brock said IBM is discounting its microcomputer equipment 20 percent for F.I.T. faculty, staff and students.

Products available include the IBM Per-

sonal Computer, IBM PC Jr., and related equipment including printers.

Brock said that software from Microsoft that can be used on the IBM machines is available at a 50 percent discount.

Interested persons should contact Brock, at extension 317. All orders are placed through the Computer Center.



Caroline Rosseter joins Board of Trustees

Caroline P. Rosseter has been elected to the Board of Trustees, it was announced by President Jerome P. Keuper. The native Floridian's family was one of the earliest in Brevard County, and she became a pioneer agent for the first petroleum company to operate in South Brevard in service to budding citrus, cattle and farming operations.

"Miss Rosseter is a very distinguished member of our community," said President Keuper. "We are honored to welcome her to our Board, and look forward to benefitting from her many talents."

Miss Rosseter was agent, distributor and consultant to the Standard Oil Company of Kentucky (now Chevron U.S.A.,

Inc.). She purchased and developed real estate locations for the disbursement of the company's products in South Brevard. She is President of Rosseter Properties, dedicated to the development of real estate and promoting of the citrus, cattle and farming industry.

Miss Rosseter is a patron and founding member of the Brevard Art Center and Museum, and is a founding member and executive director of the Brevard Center and Museum Foundation, Inc. She is a founding member of the Space Coast Science Center, and a life member of the Brevard Crippled Children's Association. She holds earliest memberships in the Chamber of

Commerce of South Brevard, and the Eau Gallie Yacht Club. She has been a director of Sun First National Bank of Melbourne, is a member of the Florida Cattleman's Association, and is a member of the Palm Bay Area Chamber of Commerce.

Miss Rosseter has been honored by the Brevard County School District for "valuable and distinguished service," and by the Chamber as well as the City of Melbourne for 60 years of service to the Melbourne community. She has been a Patrick AFB Guest of Honor for American Heritage Week, and has been cited by Chevron U.S.A. Inc. for work on behalf of that company since 1921.



Caroline P. Rosseter

F.I.T. Corporation Report

Student life studied

by Frank Kinney

THE QUALITY OF STUDENT LIFE at F.I.T. is the focus of a project that has been initiated by the Student Life Visiting Committee as part of the university's long-range planning effort.

The following "student life" areas have been related by the committee for examination: athletics, safety, food, religion, psychological counseling, international students, and legal services.

Committee members plan to hold discussions with various student groups and university administrators to gather information. Student input to the committee is being coordinated by the Student Government Association, represented by student committee members Bill Lynch and Fraser Demetree.

As a part of this effort, Dr. Barry Fullerton, committee member and Vice President for Student Affairs, is planning to circulate a student survey in late February.

Chairing the Committee is Yvonne Bixby, of Yvonne's Travel. Vice Chairman is Dudley Crabb, of State Farm Insurance.

THE MARINE RESOURCES COUNCIL initiated by the Corporation held its second general membership meeting with some 60 members present. Participants included faculty members, local business and industry people, as well as representatives of environmental organizations. Guest speakers for the meeting were Alex Alexander, Regional Manager for the State Department of Environmental Regulation, and Theresa Kramer, Brevard County Water Resources Planner. Mr. Alexander discussed his department's problems and priorities with marine resources in the Indian and Banana rivers and the ocean. Mrs. Kramer discussed her department's findings about the marine systems around Mullet Creek.

A major council undertaking tentatively scheduled for May 18 and 19 is the staging of a symposium on the Indian River. The objective of the event is to facilitate communication among the various interests concerned with the Indian River. State, federal and private funds are currently being sought by the council to support the symposium, which will be held at F.I.T.

The Council is sponsored by the F.I.T. Corporation and is chaired by Attorney Cliff McClelland. Vice Chairman for Administration is Dr. Iver Duedall, Head of Oceanography and Ocean Engineering.

The F.I.T. Corporation is a nonprofit organization established to advance the university. Members include many leaders of local business and industry. Frank Kinney serves as Executive Director of the Corporation.

Metretek thrives

(Continued from page one.)

of the Smart Vendor system calls in to report its condition. The call allows reports on the amount of product and money in the machine, and on machine malfunctions. The vending machine can even squeal on vandals or thieves.

The costs of distributing soft drinks can be cut by half through use of the computer system, Sharpe said.

Remote data collection has traditionally been of primary interest to utility companies and other concerns that require monitoring of meter systems, Sharpe explained. But today, "the whole business of remote data collection becomes more attractive as time goes on."

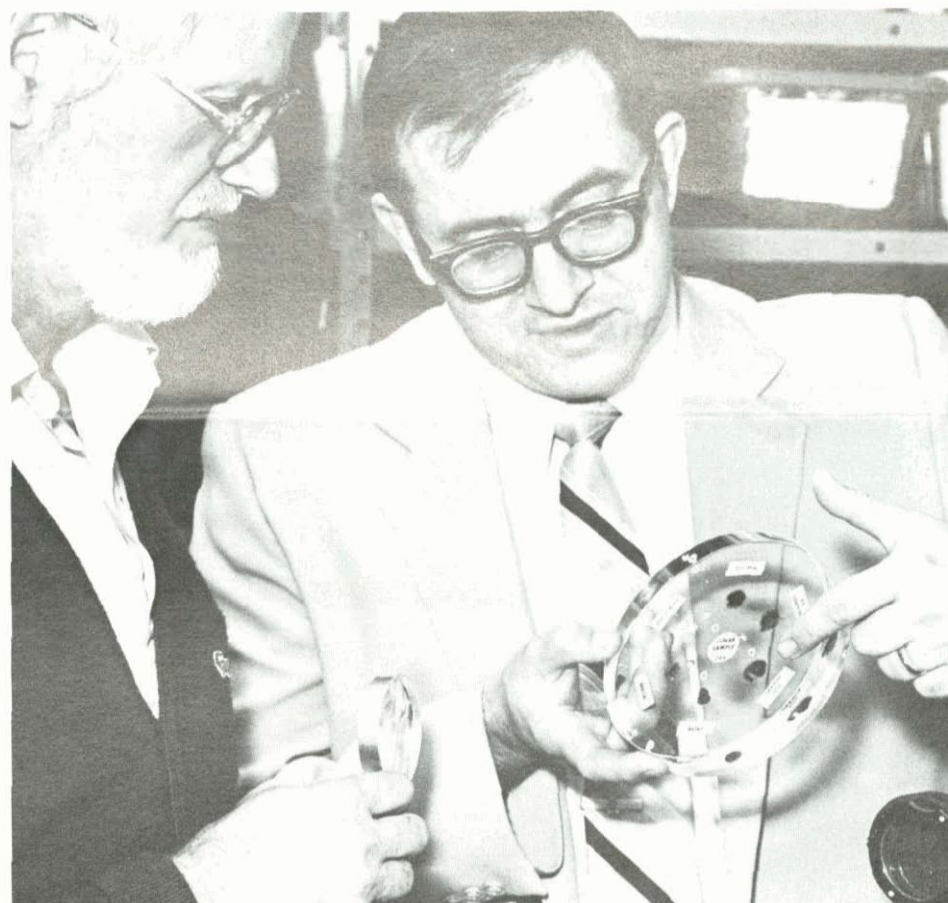
The company is now involved in work that could make pay telephones as clever as Metretek-taught Coke machines.

"I think there will be many, many special applications in the future that will present huge opportunities," Sharpe said.



Meeting the challenge

Burt Pooley (right) recently presented President Jerome P. Keuper with a gift of \$5,000 from Landmark Bank, allowing the completion of the raising of funds for an innovative computer center in the new Evans Library. The gift meant a successful gathering of money to match a \$58,900 "challenge grant" from the Edyth Bush Charitable Foundation Inc., of Winter Park. The \$58,900 in matching funds included many small gifts from alumni and friends, as well as major gifts from organizations including the U.S. Sugar Corporation, Hughes Aircraft, Sears-Roebuck Foundation, Jenkins Foundation, Disney Foundation, Martin Marietta, and the Florida Independent College Fund.



Moon matter

Dr. Jay Burns (left) and Dr. Joe Angelo of Physics and Space Sciences examine samples of soil and rock from the surface of the Moon. A loan from NASA was arranged by Angelo, who is an Air Force officer in addition to his F.I.T. duties. The lunar sample was on exhibit during Science and Engineering Week.

New telephones to ring in

A new telephone system that AT&T terms "a new concept in communications efficiency" is to be purchased and operated by the university. The new system will replace one that the university outgrew.

The new telephone plan will allow for expanded service including additional lines and extensions, direct inward dialing that avoids use of the F.I.T. switchboard, and in-room telephone service for students.

University ownership of the new system was made possible by deregulation of the phone industry and the court-ordered splintering of the Bell System, said Patrick H. Murphy, Director of Auxiliary and Personnel Services.

"Not only were we able to consider purchasing our communication system, but we could also look at the ability to resell the service to our students at low cost, and to resell long distance service to the faculty and staff as well as to students."

Eventually faculty and staff will be able to access our lower-cost long distance service from their phones at home, said Murphy.

Gil Wolfe, a representative of AT&T's Information Systems organization, said F.I.T. will be "one of only a handful of universities in the world to have developed a fully integrated communications resale network which is not only technologically innovative, but provides for the significant generation of money resources for the school as well." Wolfe said no other university in Florida has such a system.

Murphy said that installation of the new system will begin in April and will be completed in August.

The new system is to be in full operation by next September, Murphy said. Long before that, offices on campus will gain the potential for additional telephone extensions, and quicker access to long distance service, he noted.

"With this concept, everyone wins," said Murphy. "Not only is it less expensive and far more useful, it also provides revenues to the university. What we charge students for usage becomes part of our income, not the income of the phone company. Our projections show we will pay for the new system within five years."

Installed will be AT&T's Dimension 2000 system, said Wolfe. The new system has a potential of 25,000 telephone lines. About 1100 will initially be in use.

All dorm rooms will have phones, Murphy said. At present 585 dorm rooms house 1500 students, and less than one third of the rooms have private phones. "At present the students can use pay phones in dorm hallways, he said, or pay a phone company deposit plus installation fees as well as on-going local and long-distance service costs.

Under the new plan, "each dormitory room will be automatically provided with a phone, and students will not have to pay the cost of installation themselves," said Murphy.

Murphy pointed out that under the current system, student deposits to the phone company can be as much as \$200, and hook-up fees are \$50 to \$75.

Long distance calls "will be no more than the normal Direct Distance Dialing charges of the phone company," according to Murphy. The lower costs will result from calls being placed through WATS lines already in place. Students will eventually be able to tie into the WATS line from off-campus phones.

Wolfe said that billing for long-distance charges will be accomplished by tying the system directly to a billing system designed by AT&T. "This is really what makes the resale application viable," he noted.

Murphy said F.I.T. will own and operate the computerized billing system. Costs for student phones will be included in dorm fees.



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