



The STING

Southern Technical Institute
Marietta, Georgia 30060

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July 30, 1979

GRADUATE ENGINEERING COURSES

Graduate level instruction will be taught at a central video learning facility on Southern Tech campus starting Fall quarter, 1979.

Offered through the Georgia Institute of Technology's videobased instructional system, the courses will be open to area practicing engineers. Students can either gain admission as Georgia Tech graduate students to be classified as part-time regular students and gain academic credit, or register for evaluated continuing education unit (ECEU) credits.

Courses will be offered in Aeronautical Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Engineering Science and Mechanics, Industrial Management, Industrial and Systems Engineering, Information and Computer Science, Mathematics, and Mechanical Engineering. Any applicants for the College of Industrial Management must take the Graduate Management Aptitude Test before admission.

The central video learning facility will be located in the Southern Tech library. Once admitted at Georgia Tech graduate program, students will be able to go to the library at Southern Tech at their convenience during library operating hours to view the videotapes of class sessions.

Videotapes of actual classroom lectures are made at special facilities on the Georgia Tech campus. Television cameras and microphones record both the professor's lecture and all student discussion during the class. Immediately following the class session, the videotapes, along with the supplemental handouts, are packaged and delivered on a regular schedule to off-campus video classroom sites. Here, part-time students can view the lessons and accomplish the assignments within 24-48 hours after the class was held on the Tech campus. Students do the same homework, take the same examinations and start and finish their studies at the same time as on-campus students.

The Southern Tech video learning facility is a pilot project and the forerunner of what is expected to be a network of video learning centers around the state. Until now, videobased instruction

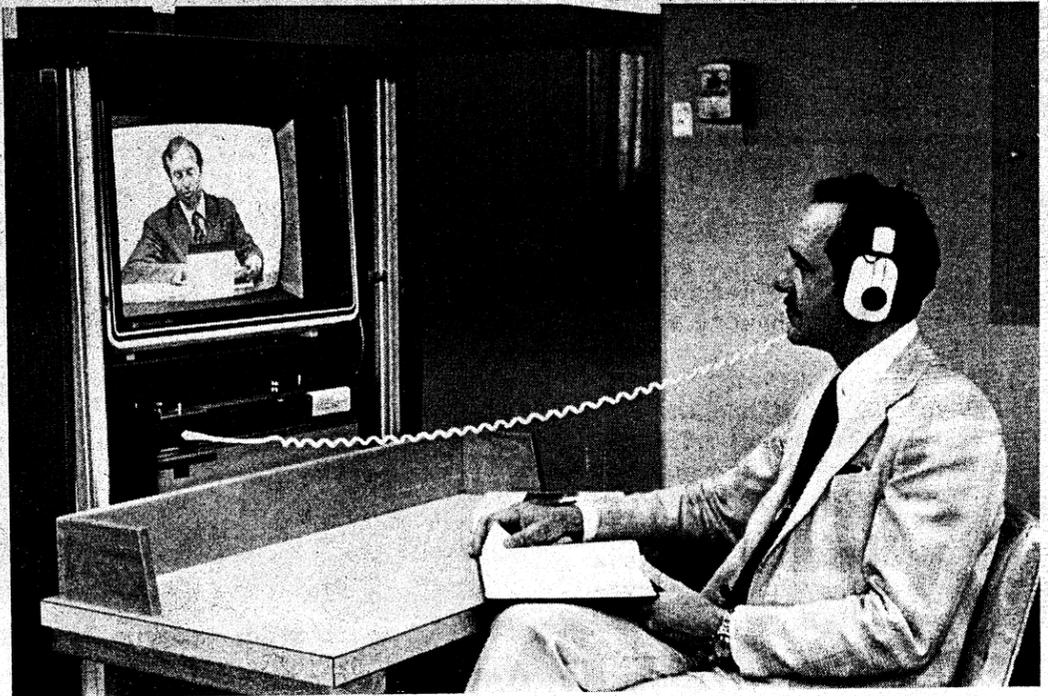


Photo by Patti Futrell

has been given to a select group of engineers at various companies that subscribe for contract instruction to be delivered to the company sites. By offering instruction in various communities, individuals self-employed or small company engineers will have the same opportunity to pursue their continuing engineering education as large company employees.

The videobased instructional system is required to be self-supporting; and participants in the program pay fees covering operational costs of the delivery system. Processing of applications, registration for courses, and fee processing by mail are now being done by the staff of the center for media based instruction. For additional information or materials, call Robert Dean at 894-3379 or write Director, Georgia Center for Media-Based Instruction, Georgia Institute of Technology, Atlanta, Georgia.



Sue Selected

Marietta resident Sue Konrad has recently been selected as a member of the Board of Trustees of the Leukemia Society of America, Georgia Chapter. Sue will join with other individuals representing the academic, business, and medical community in directing the activities of the Leukemia Society during the coming year.

Sue Konrad is Director of Student Activities for Southern Technical Institute and worked with the Society during the Southern Tech Bath-tub Race which benefitted the Leukemia Society.

The Leukemia Society supports a three-pronged program of research, patient aid, and professional education. Presently there are more than 250 patients in Georgia receiving financial aid from the Society. Any individual with Leukemia, Hodgkin's Disease, or one of the lymphomas is eligible for this program. The programs of the Society are funded by contributions from individuals, businesses, clubs, foundations, and organizations.

Sue is a graduate of Hartwick College and the C. W. Post Center of Long Island University. She participates in the Gamma Phi Beta Alumni Club, the Southern College Personnel Association, the National Association of Student Personnel Administrators, the Association of Fraternity Advisors, the Georgia College Personnel Association, and the Board of Directors of the Hartwick College Alumni Association.

Letters to the Editor

To: Charles Lumsden, Director of Housing

From: Michael L. Renfroe, Student Body President

Date: July 9, 1979

At the SGA meeting of July 5, 1979, and included in the minutes of that meeting, were complaints lodged by concerned students about the health and living conditions in Norton Dormitory. Specific complaints were:

1) Sewage from the second floor leaking into the first floor bathroom.

2) Bathrooms have not been properly cleaned. Showers are especially dirty.

3) Physical plant has not been seen spending the amount of time cleaning the dorms as in previous quarters.

4) Roaches and ants, always a problem, are worse than in previous quarters.

We understand that physical plant is not at full staff at this time. However, we would appreciate the attention you can give to seeing that our resident students are properly housed.

INTRODUCING

Singer-guitarist

Joe Dougherty

Handling the roles of the Artful Dodger in Oliver and Kepps in Half-a-Sixpence at the age of 15 were the beginnings of Joe's musical career. Very much in demand, he performed more than a dozen roles in the Cleveland, Ohio, area between the ages of 15 and 20. After an offer to sing with a band called Lightning from producer Allen Klein, Joe played the band circuit around northern Ohio and upstate New York. Shortly thereafter, he migrated to Atlanta and decided to try a solo career. His first job was at the now defunct Uptown Cafe where he played the late evening set. Some of the clubs Joe has played in include Crowley's Hunt Club, the Plankhouse, PTI, Squire's Inn, the Jimmy the Greek's, and others.

Joe plays 6 and 12 string acoustic guitar and harmonica. Joe's sound is natural and relaxing. His 300 plus song repertoire and friendly personality make him a performer you want to see more than once.

Coffehouse: August 9, 1979

Time: 8:00 p.m.

Place: Student Center

Opening act at 8:00 p.m. is STI's own Jim Cochran.



No It's Not A Scene From Star Wars--This is a result of a plumbing failure in Dorm 1. We understand that repair work is being done.

CURRICULUM CHANGES IN EET DEPARTMENT

1. EET 307 and EET 308 will be combined into EET 309 which will be a required course. EET 307 and EET 308 will be offered, as shown on the tentative schedule, throughout the 1979-80 academic year. Students who wish to graduate under a catalog prior to 1979-80 must take either EET 307 and 308 or EET 309 and six hours of EET 3-400 level courses.

2. EET 422 (3-3-4) is changed to EET (5-3-6) which will be a required course having EET 340 as a prerequisite. The title of EET 424 is Digital Control Systems and is an expanded version of EET 422. Students may not receive credit for both EET 422 and 424. Students who graduate under a catalog prior to 1979-80 may use 424 as an EET elective if they do not have credit for EET 422.

3. EET 426 - Microcomputer Systems (3-3-4) will be listed in the 1979-80 catalog and may be used as an elective. The prerequisites are EET 321 and either EET 422 or EET 424.

4. EET 312 - Active Filters (4-0-4) will be listed in the 1979-80 catalog and may be used as an EET elective. The prerequisite is EET 339.

5. EET 324 - Analog Computation (3-3-4) will be listed in the 1979-80 catalog and may be used as an EET elective. The prerequisites are EET 302 and Math 254.

6. The new English curriculum will also be included in the 1979-80 catalog.

ATTENTION: FOREIGN STUDENTS!

Through Amature Radio, you may be able to talk to home without the price of the telephone. Most South American and some European countries allow you to send messages through phone patches (where you talk through the telephone system in your country from the radio here). If you are interested in more information about the phone patches to your country, just send your name, country, and local address to Box 9662.

THE STING

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During the summer, THE STING is published every two weeks. Opinions expressed are those of the writers or special contributors. Deadline for articles and letters is Tuesday at noon for the summer. We reserve the right to edit articles to fit available space.

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30060 (404)424-7310

IS COMING TO ATLANTA

Wives and bosses will no longer know what to believe (especially their ears) when they receive a phone call on the fabulous "Excuse Machine", now being installed at "SLIX", the continental discotheque and lounge located at the Ladha Continental Hotel.

The "Excuse Machine" features various sounds that can be played while chatting on the phone. All it takes is to walk into a large "phone booth" and press a button before you dial you call, creating your own environment. You are

at the airport waiting on a client ("Darling, I am delayed at Hartsfield, I just don't know when I'll be home"); at a service station having your car repaired; or at your hairdresser or favorite racquetball center. If you are looking for a little more of the exotic, you can place yourself in a casino in Las Vegas, or an orgy. For the more conservative, there is the executive office for the men or the children's nursery for the women, and when you're stuck

for an answer, there is always the "long distance interruption."

"Actually the machine was created to enable people to have a little fun," explained Mr. Sha-fik Ladha, president of Ladha Hotels Limited, "I'm sure no one would think of using it to get out of work or stay away from home."

The excuse machine was created by an Atlanta architecture and design firm, Design Management, who are also creating the design and decor of the hotel's lounge (SLIX) and gourmet restaurant (MIRAGE).

"Although it looks simple, it is really an ingenious device," stated Dale Raulerson of Design Management. "The idea is to have all the 'excuses' as current as possible. For example, during a football season you would hear the Georgia Tech or Falcon's game. This concept would be extended to the Flames, Hawks, Braves, etc."

"We have this kind of special effect just as another form of entertainment", explained Mr. Ladha. "The basic principal is that people go out because they want to be entertained. They don't go out to get drunk, but to meet other people and be entertained. People will stand in line to be entertained. This is just a more unique way to do it."

"As far as we know, this is the first working machine of its kind in the world," stated Mr. Ladha, "as part of the continental touch at 'SLIX' discotheque will be to continually have this type of unusual mechanical apparatus available for the patrons' pleasure."

"SLIX", located in the new 302 room Ladha Continental Hotel, was officially opened on July 20th. "SLIX" and "MIRAGE" had their grand opening on July 27th. The hotel is located at 100 Tenth Street, N.W., at the corner of I-75 and I-85.

For further information, contact Michael Parver Associates, 1819 Peachtree Street, N.E., #604, or phone (404) 355-5580.

HP-41C

Palo Alto, CA, July 16, --The first handheld calculator that can be converted into a powerful, personal calculating system by adding a series of companion peripheral devices was introduced today by Hewlett-Packard Company.

The alphanumeric HP-41C is the most advanced and versatile handheld calculator HP has ever developed. In addition to the 130 preprogrammed scientific and mathematical functions, the continuous memory, liquid-crystal display machine can be tailored to perform any number of other calculations through programs that are written by the user or through plug-in applications software available from HP. It is priced at \$295* and is available immediately.

The basic machine becomes a powerful, personal calculating system with the addition of a series of options:

* Up to four memory modules can be plugged into the calculator, raising program memory from a base 400 lines or 63 data-storage registers to as many as 2,000 lines or 319 registers.

* A plug-in card reader allows the user to enter programs from recorded magnetic cards or to record programs on blank cards.

* A portable thermal printer provides hard-copy records of calculations, high-resolution

plots, and complete alphanumeric output.

* An optical wand (available early 1980) reads and enters programs or data from printed bar codes.

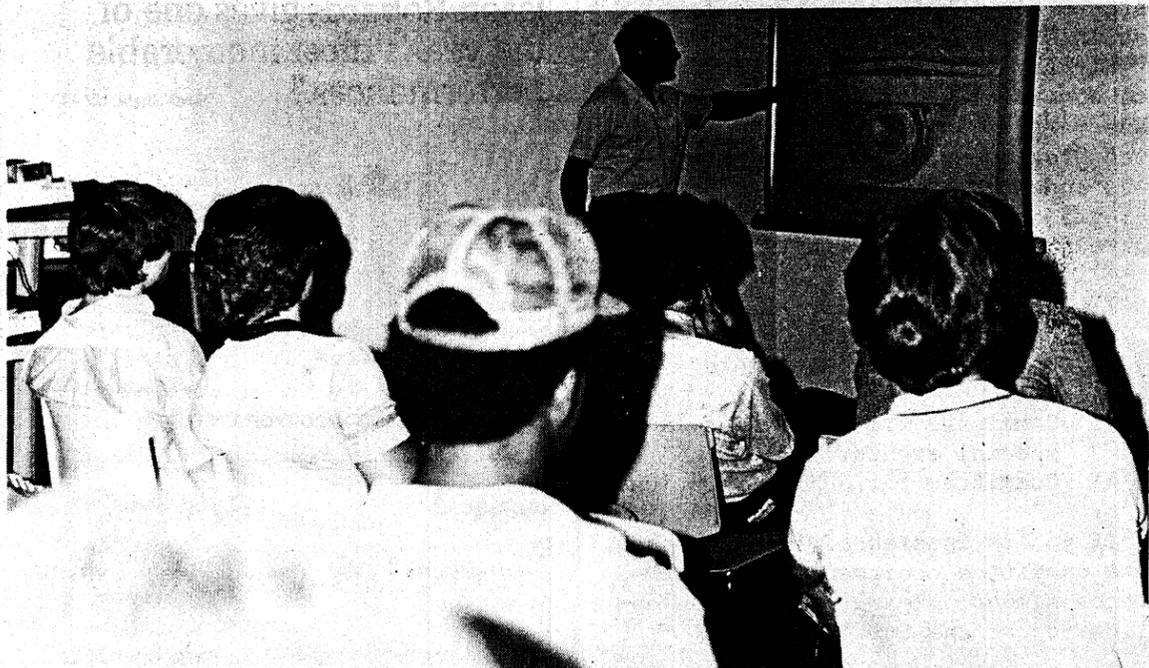
* Sixteen plug-in application modules offer 4,000 program steps each of preprogrammed solutions to problems in specific areas.

The HP-41C can be connected to any of these devices through four ports built into the calculator.

"The HP-41C establishes a new standard in portable, personal computation," said Richard Moore, general manager of HP's Corvallis Division, which designs, manufactures, and markets advanced personal calculators. "It is 100% faster than earlier HP models, contains up to four times the memory capacity with available options, and 40% more standard functions."

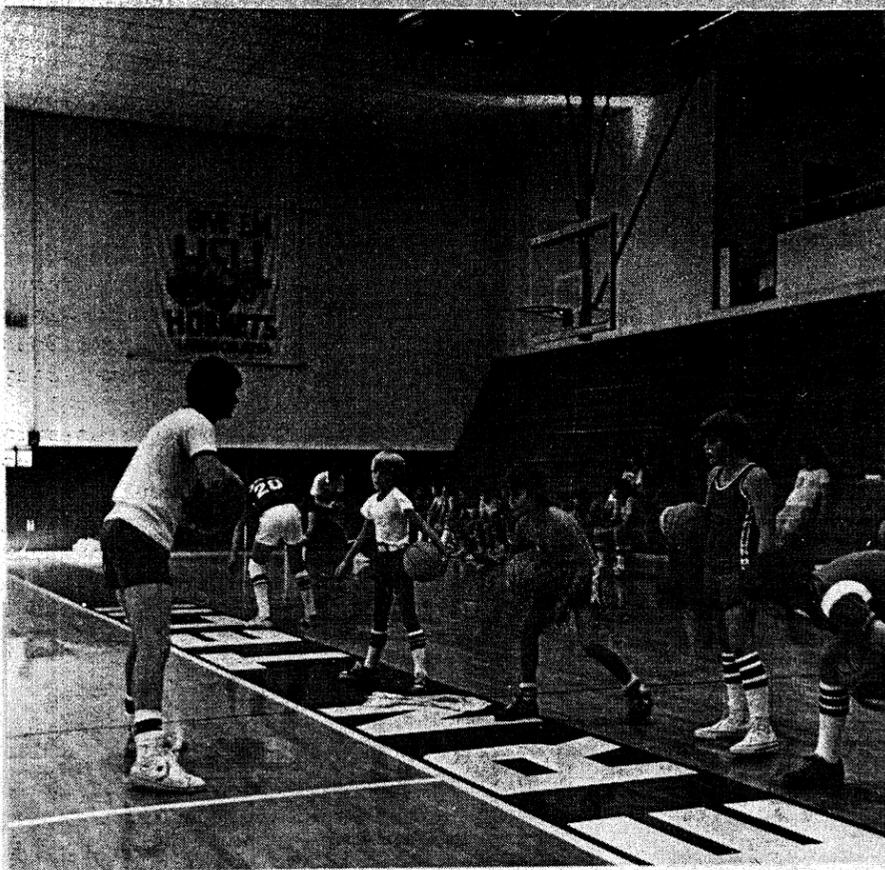
"Although it is the most advanced personal calculator on the market, the HP-41C is easy to operate by technical and business professionals who spend a little time to familiarize themselves with its capabilities," Moore says.

"Both keyboard and memory can be customized to meet the requirements of the user, and plug-in modules and peripherals can expand the basic machine into a system as powerful as some small computers, especially when utilizing the alpha capability."



The ASME Chapter at Southern Tech presented a lecture on non-destructive testing of the DC-10 engine pylon by Bill Sproke a testing Engineer from Lockheed, Ga..

The next meeting will be on July 31 on Nuclear Fusion and Fission to be held in room 119 of the Student Center.



Hornets Basketball Camp--Coach Perides held three basketball camps for boys and girls this summer. Here are some future Hornets learning the ropes of basketball.



Herb Graff thrilled the audiences with his hysterical film clips. There was something for everyone. Anyone who missed his show really missed out on a good laugh.

WHAT IS CAB?

No, it's not something you drive or a regulatory agency for aircraft. CAB, better known as the Campus Activity Board, is an organization that will plan and present a variety of social, educational, recreational and cultural programs at Southern Tech. I use will because the CAB is a new organization that was chartered by the Student Government Association this last Spring.

The Board, comprised of students interested in student activities programming, will decide when and where campus-wide activities programs occur at STI. In order for the CAB to work efficiently, it needs people. Simply stated, CAB is student volunteers, and will be limited only by the imagination of its student volunteers. The quality of the activities program

at Southern Tech is in your hands. No matter where your abilities or interests lie, there is a place for you in CAB.

Within the Campus Activities Board are several committees which encompass various aspects of the activities program at STI. Other committees and areas of interest can be developed as CAB grows. The CAB committees are the following:

- 1) Committee for films/lectures and cultural events.
- 2) Committee for contemporary music.
- 3) Committee for recreation and special events.
- 4) Committee for public relations.

If you're interested in a position as a committee chairman or as a committee member, please fill out an application at the Student Center.

CONTINUING EDUCATION SHORT COURSE

A continuing education short-course in microcomputer applications is being offered twice this summer on the STI campus.

The course was offered July 11-13 and is scheduled again August 1-3. It is intended for those with little or no hands-on experience yet needing to increase their speed on microcomputers.

"The course will benefit anyone who is in the field of industrial control process design, marketing, sales, instrumentation, social science, chemistry, or a host of other fields into which the microcomputer is slowly creeping," said Dr. Richard L. Castellucis, course instructor. The course will provide a comprehensive introduction to microcomputers in terms of hardware and software.

The course will consist of lecture discussion, laboratory and demonstration time. Course participants will write programs in machine language and learn how to interface the micro to the outside world. The seminar day will be 9 a.m. to 5 p.m. with participants having the opportunity to work with various microcomputers during non-mandatory evening sessions.

The course is free to all faculty and staff. For registration information, contact Dr. Stevens, ext. 238.

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