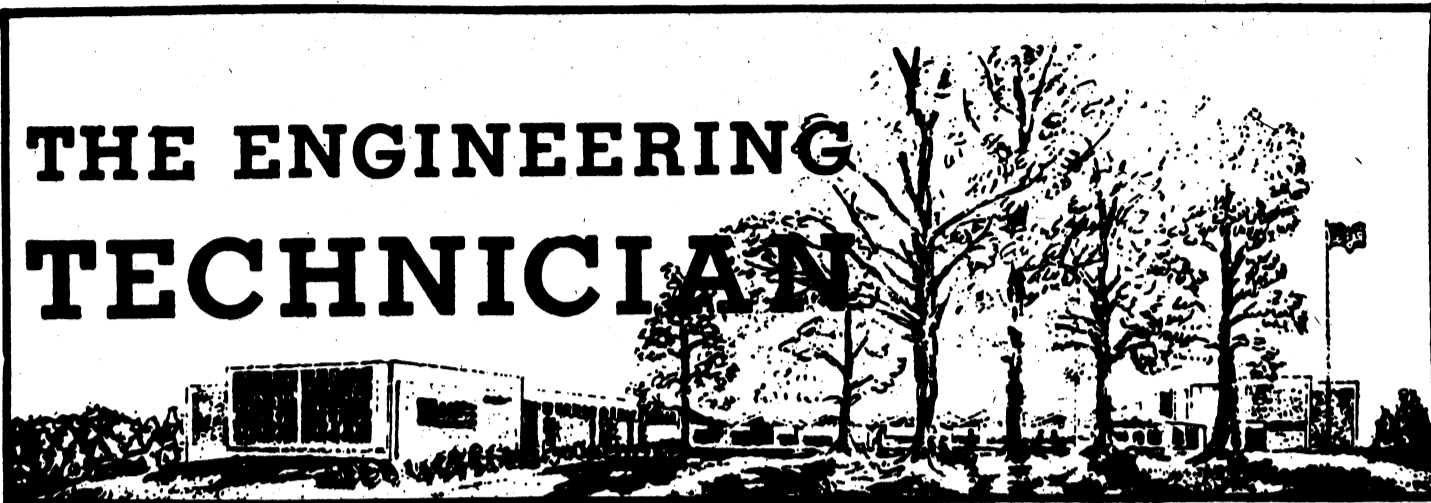


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## The Engineering Technician, Volume 25, Number 4

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# 4-Year Program Approved



## THE ENGINEERING TECHNICIAN

Vol. XXV - No. 4 SOUTHERN TECHNICAL INSTITUTE, MARIETTA, GEORGIA 30060 February, 1973

## Ice Storm

by RUFUS YARBROUGH

The ice storm which struck Marietta on Sunday, January 8 affected students, professors, physical plant personnel, and administrators in various ways.

The dormitory students were without electricity for approximately 16 hours. Some of these students left Monday morning and went home.

The students who stayed occupied their "free time" in different ways. Some played cards, some caught up on some studying, and still others played outside on the ice. Sledding was a popular pastime for many students.

Those who live in North Georgia or Tennessee found it

impossible to get back to Marietta until Thursday. Preston Carroll, who lives in Tennessee, said it took him eight hours to make the three-hour trip and he was using a four-wheel drive vehicle.

Students living in the metro Atlanta area were without electricity for up to 72 hours, depending on the area where they lived. The many apartments and homes that had electricity were filled with visitors who were without power.

Professors and administrators agreed that the ice storm caused the quarter to get off to a slow start, but everything would soon be back on schedule.

## Enrollment Hits 1706

Southern Tech enrollment this quarter stands at 1706 students, compared with an enrollment of 1715 for the comparable quarter last year. A significant point to the new enrollment figure is that it is down only 49 from the fall quarter,

1972. This quarter's figures break down into a total of 1170 full-time students and 536 who are attending part time.

Enrollment figures by departments follow: Apparel Manufacturing Technology, 26; Architectural Engineering Technology, 279; Civil Engineering Technology, 317; Electrical Engineering Technology, 277; Industrial Engineering Technology, 175; Mechanical Engineering Technology, 202; Textile Engineering Technology, 15; and Fire Science Technology, 30.

## STI Is 25 In March

March 24, 1973 is a date all persons who are or have been associated with Southern Tech will want to circle as an important one on their calendar. It will mark the twenty-fifth anniversary of this institution.

To recognize the first quarter-century of educational service, there is to be a banquet Saturday evening, March 24, and an open house Sunday afternoon, March 25. In addition, a special supplement of *The Marietta Daily Journal*, saluting Southern Tech on its twenty-fifth anniversary, will be published on March 25 and distributed with the regular Sunday edition of the paper.

The three committee chairmen for the celebration of the twenty-fifth anniversary are Gloria Wilson, banquet; Dub Newman, Open House; and Bill Glenn, publicity. Mr. Glenn will also coordinate the three committees. Mr. Glenn also urges all clubs and organizations to submit to his office in Room 101 of the Administration Building any information you wish to be included in this supplement concerning your organization.



RETIRED . . . MS. MINNIE MAVITY, who has served Southern Tech since 1949, was honored at a Christmas party on December 9 by the faculty. Her last position at Southern Tech was as an administrative assistant to Dean Hoyt McClure, a position she had held since 1951.



(Photo by BILL ANTHONY)

## Calendar

- Friday, February 9, 1973  
Basketball game with Valdosta State College - Valdosta
- Saturday, February 10, 1973  
Basketball game with Armstrong State College - Savannah  
Valentine Dance, 8:00 to 12:00 p.m. - STI Gym
- Monday, February 12, 1973  
Basketball game with Berry College - Rome
- Tuesday, February 13, 1973  
Last day for dropping a subject without penalty
- Wednesday, February 14, 1973  
Basketball game with Columbus College - Home
- Saturday, February 17, 1973  
Basketball game with Florida Institute of Technology - Home
- Monday, February 19, 1973  
Curriculum Committee Meeting  
Advanced Registration for Night Students for Spring Quarter, 1973 - 5:00 to 8:00 p.m.
- Tuesday, February 20, 1973  
Advanced Registration for Day and Night Students - 9:00 a.m. to 12 noon, 1:00 to 4:00 p.m., 5:00 to 7:00 p.m.  
Basketball game with Oglethorpe University - Oglethorpe
- Wednesday, February 21, 1973  
Advanced Registration for Day Students - 9:00 a.m. to 12 noon

\* \* \* \* \*

At the annual meeting of the Southern Association of Colleges and Schools in December of 1972, Southern Technical Institute was accepted into membership and accredited as a four-year institution.

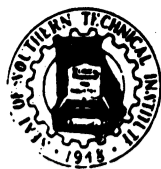
The primary purpose of the accreditation process is to evaluate the educational effectiveness of an institution of higher learning and to help that institution improve its total program. Regional accrediting groups such as the Southern Association evaluate the overall educational program of an institution; it is not their function to evaluate each of the particular degree programs in depth. The accrediting committee observes such items as the organization of the administration, the educational program, financial resources, adequacy of the faculty, library facilities, student personnel activities, the total physical plant, and the institution's plans for the future.

The accrediting process provides an institution, in a sense, with outstanding consultants who can offer much worthwhile advice as to the steps that can be taken to improve an institution. In addition, it provides information to the Chancellor and the Board of Regents as to the important needs of the institution. The accreditation of an institution indicates that it has met or exceeded certain minimum standards with respect to the items listed above. The accreditation is important to you as students because it indicates to other institutions to which you may desire to transfer that Southern Tech does have a quality program. In addition, many employers indicate a strong desire to hire graduates from an accredited institution. The institution finds it important because much of the government support that we receive and many private foundations' grants are donated only to accredited institutions.

For specialized and professional degree programs such as Engineering Technology, there are other accrediting bodies. The one which accredits both the associate and baccalaureate degrees in Engineering Technology is the Engineers' Council for Professional Development (ECPD). It is a requirement of ECPD that an institution have regional accreditation before it receives accreditation for the individual Engineering Technology degree programs.

For a number of years and, of course, at the present time, all of the associate degrees at Southern Tech, except for Apparel Engineering Technology, which is a new program, have been accredited by ECPD. During the second week in February, the Visiting Committee from ECPD will be on the Southern Tech campus for the purpose of evaluating our four-year programs for accreditation and re-evaluating our two-year programs.

We feel that we do meet the accreditation requirements, and we expect that all of the programs submitted will be accredited. The final decision by ECPD is made at its annual meeting in June.



THE ENGINEERING TECHNICIAN is published monthly during the school year by the students of Southern Technical Institute (a Division of The Georgia Institute of Technology), Marietta, Georgia.

EDITOR / Charles Fleming  
REPORTER / Michael Crabtree  
FACULTY ADVISOR / W. B. Hinton

CHARLES FLEMING

## POINT OF VIEW

Presently in the Student Government of this institution there is a vacancy in the offices of vice-president and secretary. Along with this setback, the majority of the representatives do not attend the SGA meetings which are announced.

Recently, I posted several posters announcing the upcoming meeting, and, as is usual, only those few who want to make something of the Student Government were in attendance. It seems that some 10 to 15 dedicated individuals have some concern for their own well-being and come to the SGA meetings. I guess that the other 1,690 bodies think that all they will have to do is stand around in the snack bar with their fingers up their --- and wait for all the student activities to announce themselves.

It is really pathetic to go into the snack bar and listen to grown men crying on each other's shoulders because "there is never anything to do around this place."

In the past, dances have been held, and only a few persons would show up. Most of the time it is the same few that attend the SGA meetings and have more or less followed through with the same concern for the dances as they have shown for the Student Government.

I'm not writing a sales pitch for membership in the SGA. Personally, I wouldn't want you in the same organization with me if you are not mature enough to face the fact that you - as students - are not going to receive any outlandish activities on a silver platter.

You certainly don't get your grades around this campus on a silver platter, do you? No, hell no, you have to work for them just as you have to work for everything you obtain in life. That is why I say that we as students can have most anything we want if the majority of you out there who are reading this would get off your "laurels" and support the activities that are offered to you.

After going to an activity and deciding you did not particularly care for it, why not go to the SGA office and register a complaint or leave a not in the bitch box with your name and box number so you can be contacted. Who knows, you might be able to suggest a better band or whatever the case might be.

I believe that of all the students in school, several know of top quality activities that we could bring to this campus. Sure, everyone doesn't like the same type music, but then again, the SGA needs to have some kind of feedback from the students about this.

In closing, I agree with P. T. Barnum when he said, "There's a sucker born every minute," for indeed, you - the students - are suckers if you continue to pay the activity fees each quarter and then complain and groan to one another because you can't see where that fee is being spent. If you would bother to come to a meeting and express yourself and offer your help and support, you would be of benefit to the SGA and, at the same time, I feel, get a feeling of gratitude because you know you are helping others.

## Marriage Seminar Schedule Announced

The Cobb County Medical Society, the Cobb County Ministerial Association, and the Cobb County Bar Association have scheduled a two-session seminar entitled, "The Intimate Relationship Called Marriage," for this quarter.

Both sessions, which are scheduled at the Cobb County YWCA at 48 Henderson Street in Marietta, begin at 7:45 p.m. Admission is free.

The first session, planned for Thursday, February 1, was to cover three subjects. The first, to be conducted by Dr. Don Turner, an Atlanta psychiatrist, was entitled, "Psychological Aspects of Marriage." The second, to be led by the Reverend Earl Stallings, pastor of the Marietta First Baptist Church, was entitled, "Spiritual Aspects of Marriage." The final part of the first seminar was to be led

by Paul Cadenhead, an Atlanta attorney. It was entitled, "Legal Aspects of Marriage."

The second seminar is scheduled for Thursday, March 1. As was the case with the first seminar, young married couples, high school seniors, and college students are especially invited. Any couples, however, are welcome to attend.

The final program will include three parts. Dr. Turner will discuss "Psychological Aspects of Pregnancy, Children, and Communication in the Home." Atlanta obstetrician and gynecologist, Dr. John McCain, will conduct the second panel, entitled, "Physical Aspects of Marriage." The final session will be concerned with "Finances in Marriage, Including Insurance and Budgets." The last speaker will be announced.

## OPEN LETTER

Mr. Samuel J. Baker:

It has been brought to my attention by several students that they are not satisfied with the present diplomas that are presented at graduation. It was found through a questionnaire

circulated among students that several did not like the quality of the paper that the degrees are printed upon.

Also, it was brought out into the open that the degree did not exemplify the likeness of a col-

lege degree, for there is not even a gold stamp of the seal of the school. Also, one student pointed out that there was no real difference in the size of the associate versus the bachelor's degree. This student stated that you could place the smaller associate into the larger bachelor's and the only difference is the border along the bachelor's degree.

What I'm saying is that there is not a proportionate change in the print as compared with the change in size of the diploma. It is with the Southern Tech Student Government's approval that I submit the following diploma changes:

(1) Have the degree printed upon a better quality paper than is used. If not sheepskin, the least it should be printed upon would be a good rag content paper. Most students feel that after working two or four years for a degree, they should receive something worth displaying on a wall somewhere. Also, a miniature diploma that would fit into a wallet was suggested to be included along with the large one.

(2) The bachelor's degree print should be proportional to the actual size of the diploma.

(3) The Seal of Southern Technical Institute should be in gold to add a bit of contrast to the now drab appearance of the present degrees.

(4) Also, a nice cover would be appropriate for those who chose not to frame or laminate the degree.

Mr. Baker, I would like for you to investigate these proposals and let the Student Government know something so we can let the other students who are interested in the degree changes be informed so they can make an intelligent decision.

Sincerely yours,  
Charles Fleming

President,  
Student Government

## Sigma Pi Pitches In

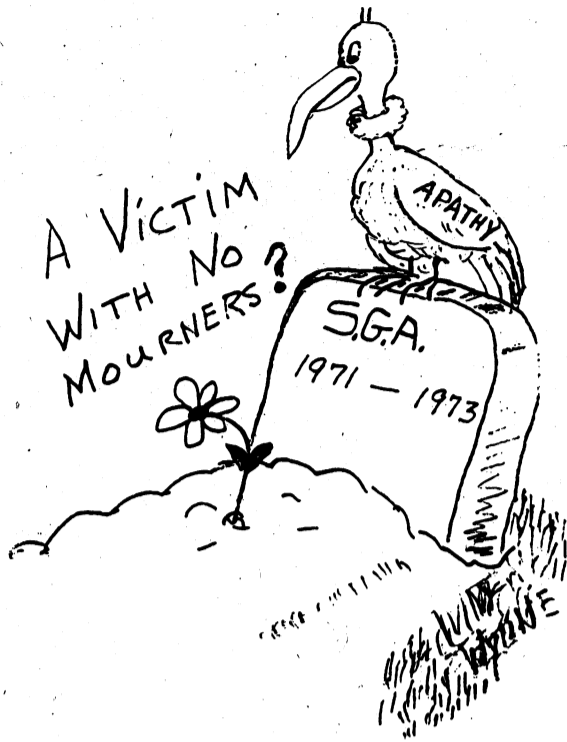
Members of Sigma Pi national fraternity pitched in to help Southern Tech's physical plant department clean up the mess left by the recent ice storm. Sigma Pi also sponsored a blood drive in January. The group donated some 61 pints of blood.

## Museum Guild Plans Concert

Cobb County's Youth Museum Guild will present the Fourth Annual Evening of Folk Music on February 9 at the Southern Tech Gym. Advance tickets for the event cost \$2.50 for adults and \$1.50 for children under twelve. The prices will be fifty cents (.50) more if tickets are purchased at the door.

Scheduled to appear are Linda Harrel, Al Strickland, and the Wheatridge group.

Mrs. Ray Dellinger, who is spokesman for the guild, says speakers that some twenty students help stage the event. Those interested should contact Dean of Student Affairs Lewis Van Gorder or a Student Government representative.



HUGH MULKEY

## MURPHY'S BAR

Remember the big ice storm of '73? It's been a few weeks now, so you'll all have to remember how you acted amid all the cold and confusion with no TV and no heat. I was sitting in Murphy's, because if I was going to get snowed in, I'd just as soon get snowed in there as anywhere else.

"Why don't you do something about the weather, Murphy?" said every other person who came through the door.

"Can't you see I am?" shot back Murphy's brogue. "I'm serving up plenty of good Irish antifreeze."

Mere mention of the weather was enough to launch Larry, our resident Yankee from Flint, Michigan, into a tirade on the inability of Georgia 'grit' drivers to cope with the inclement weather. "I'm gonna have lots of fun watching 'em slide all over the road," he said as he walked out the door. Ten minutes later, a shivering Larry crept through the door and meekly asked, "Would some of you guys come help me push my car out of that ditch out there?" Then, as an afterthought, "Some grit just ran me off the road."

The weather wasn't entirely bad though, because I did manage to get myself snowed in at my girlfriend's house. I finally got bedded down on the couch and only rolled off in the floor once during the night. The cat, who wasn't used to seeing someone sleeping on the couch, became alarmed upon entering the room the next day and immediately attacked my head, it being the only exposed part of my body.

The scream awoke everybody in the house, and when I finally got the cat peeled off my head, we discovered that the power had gone off during the night. I didn't feel bad about waking everyone though, because at about that time the unmelodious groan of a chorus of chain saws began.

I looked out the window to see two men across the street

cutting tree limbs. They took turns, one using the chain saw while the other would hold the flashlight. It must have been hard, getting a saw for Christmas, and not being able to use it for two weeks. I know they didn't have any trouble hauling the tree off, because by the time they got through, it must have been cut in two pound blocks.

Later in the day a man asked me, after finding out that I was an electrical student, how was the best way to move the power lines out of his driveway. Using all my knowledge on the subject and giving it careful thought, I decided the best way was to call Georgia Power in about a week.

Much to the dismay of everyone concerned, the university system was back in full swing the next day, with about half of the students showing, due to announcements to the contrary by several radio stations.

After a canceled lab and class, I was headed back home for the day after having spent the whole morning telling my usual lies and war stories. As we walked through the clump of pines missed by the bulldozer when the school was laid out (by the classroom building), I almost gouged my left eyeball out on an icy limb. My friend, who was very much concerned with my welfare, was at the time convulsing with laughter. "Geez, Golly, Oh, Wow," I said (not an exact quote), "you think this is funny - what if it happened to you?" About that time he attempted the difficult double backward somersault - not exactly of his own choice. I gave him ten points for distance, but none for form. Then it was my turn to laugh, after he'd busted his gluteus maximus on the ice.

As most of you know, that's not all that happened during the ice storm, but it's all I remember about now. I guess we'll probably be reminded of it every time we pay our electric bill for a while. Well, Georgia Power has to make up for it somehow.

# Take two years off this summer.



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# Hornets Score Important Wins

Southern Tech's Hornets have gotten off to a shaky start in this season's basketball competition even though they have scored important wins over Berry, MIT, and Shorter.

The season opened December 1 against Armstrong State at home. The biggest crown in Southern Tech's history saw the visitors beat the home team 81 to 68. Three days later, Coach Fran Florian's chargers roared back with a 95 to 92 win over Shorter.

The next two games did not turn out quite so well. On December 8, the Hornets fell to Mercer 117 to 74, and on the

following night, Belmont Abbey crushed their visitors 101 to 56. At Augusta on December 11, Augusta, at home, emerged victor with a score of 82 to 71. That ended the December schedule.

The game scheduled for January 8 at LaGrange was postponed because of the ice storm. The rematch, played January 20, saw Southern Tech lose by a score of 89 to 86. Earlier games in January, however, saw the locals fare somewhat better. On January 10, the Hornets beat MIT, 80 to 75.

They lost to Florida Tech on January 13 by a score of 80 to

71, but came right back three days later to beat Berry, 99 to 93. This game saw Southern Tech produce the largest number of points in a single game. Oglethorpe came into the Southern Tech gym on January 18 to drop the Hornets by two points - 76 to 74.

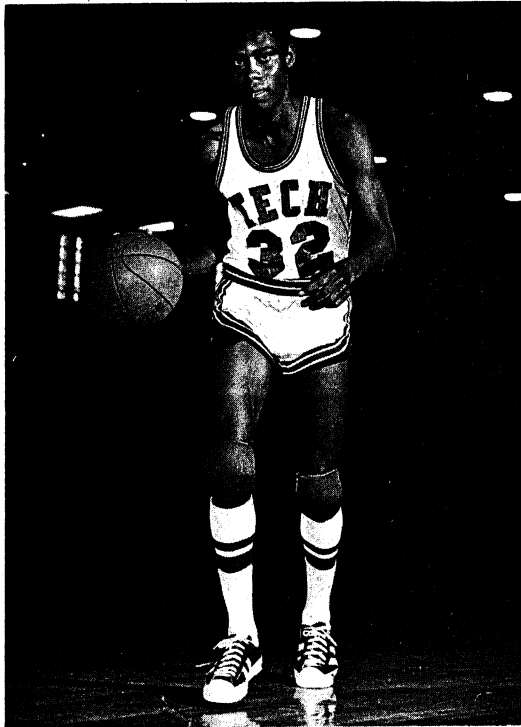
Southern Tech also lost both games in the Cosmic Invitational Tournament at Asheville, North Carolina, on Friday and Saturday, December 15 and 16. In the first game, against Mars Hill, Southern Tech lost by a score of 92 to 70. The following night, the University of North Carolina at Asheville beat the Hornets,

110 to 91.

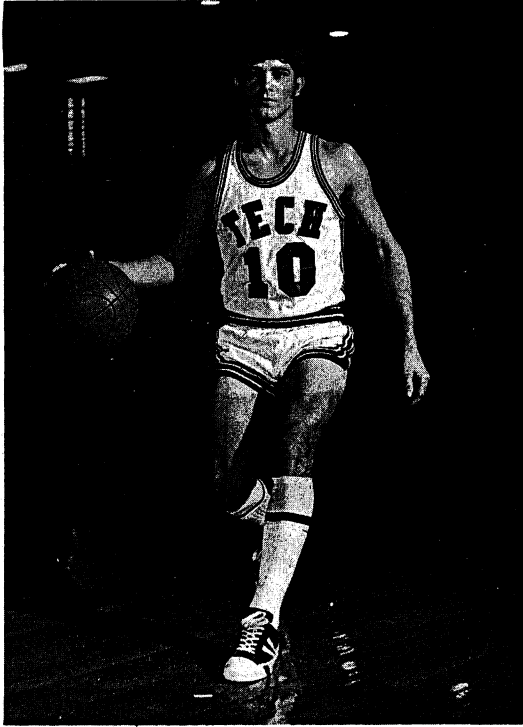
Through the January 18 game, Curtis Bivins was the leading scorer for Southern Tech, with an average of over 26 points per game. He was followed by senior Eddie Wallace

and junior Jewel Newman, each of whom has an average of over 15 points per game.

Curtis also leads the team with a rebound average of over 11 per game. Eddie Wallace leads in assists, with five per game.



CURTIS BIVINS



EDDIE WALLACE



JEWEL NEWMAN

## Southern Tech's Program Has Practical Values

by MICHAEL CRABTREE

*Every new increase in tuition cost underlines the importance of pursuing courses of study relevant to the job market. It is to be hoped that in every issue of the Technician some published news will be made available of STI's success in maintaining that relevancy.*

*In evaluating STI's contribution to the technician's career prospects, this article is the first in a series planned to spotlight the encounter of recent STI alumni with their chosen occupations.*

George was graduated from STI in the spring of 1971 and went to work for the XYZ Company the following August. (All names of both employers and employees are fictitious, but all other facts are true as reported in interview.)

George degreed in both options of the Electrical Engineering Technology Associate Degree after working part time and going through more than three and one-half years of school with an accumulated, overall grade average of approximately 'C plus.'

### SMALL FIRM

As a group of consulting electrical engineers, the XYZ Company is a relatively small firm performing a specialized service to high rise building constructors.

Since George had no prior job-related work experience, he started to work with XYZ at a low hourly rate of pay, but after nearly a year and a half of em-

ployment, he had progressed a more comfortable salaried position with normal working hours averaging sixty-five per week at straight-time pay for all overtime.

In further assessing his position at XYZ, George applauds the company's liberal vacation plan, but regrets that XYZ does not provide any company sponsored education. George reports that he is liable to some limited, work-related travel in the future.

### COORDINATION

George's basic work function pertains to the coordination of special electrical systems such as the telephone, intercom, fire alarm, music and communication networks within the building under development. As such, the work draws heavily not only upon George's electrical knowledge, but also upon his elementary knowledge of drafting (Drawing 111). Occasionally, George does utilize the services of trained draftsmen. Regardless, though, George's work requires much paper work, many hours of drafting design work, and continual exposure to the unyielding confines of an office.

Although the work verges on the tedious, and the same basic routine appears with each new building project, George emphasizes that it is a challenge and a reward to turn out a working system which simultaneously keeps costs low. Furthermore, George expresses the pride and satisfaction that accompany all the individual mental effort which eventually is transformed into a gigantic, physical memori-

al of cooperative endeavor.

### OVERVIEW

When asked how STI could better its service to its students, George concluded that all technical students would benefit greatly from an introductory overview of general distribution systems. He also suggested the idea of a student interviewing many prospective employers during the whole year before graduation to more accurately assess the range of a given occupation's diversity and the student's preference in that diversity.

Because most companies would probably be reluctant to interview students a year in advance of graduation, George's last idea may seem a bit untenable. However, the idea demonstrates, the urgent and prevalent need for the student to know in advance of the employment interview just what the working day may consist of and how his particular niche of expertise will relate to the company as a whole.

In any of a wide variety of companies, one of the relatively few technical disciplines taught at STI will predominate. Couldn't a departmentally developed course of instruction be offered which would explore in detail the many types of working atmospheres available to the technical graduate in his own field? Hopefully, STI will seize the initiative in establishing a dynamic intercourse between textbook theories and the occupational arena.

## Hornets Get Brochure

For the first time in history, a Southern Tech team has its own brochure. Sponsored by the Southern Tech Boosters Club, the publication features a color picture of the team on the front cover and individual pictures of each team member inside. Other interesting features include a history of Southern Tech basketball, stories about the coaches and other members of the basketball family.

The brochures are on sale at each game for fifty cents (.50) or from Professor Dave Summers and members of the Boosters Club.

## Veterans May Receive Tuition From State

A bill to provide free tuition to Georgia veterans was to be introduced into the state legislature in January, according to Bert Westbrook, Director of the Georgia Veterans' Project in Decatur.

The bill would supplement present monthly benefits and would provide either for a tuition waiver to Georgia veterans attending state-supported schools only, or an across-the-board cash grant - equivalent to University System tuition - to veterans attending state and private colleges. Based on projected enrollment increases and cost studies, Westbrook said the cost of providing a cash grant to private schools would not be significantly higher than limiting payment to veterans in state-supported schools only.

### SUPPORT

Westbrook said that several legislators had already expressed strong support for the bill, but cautioned that there might be some opposition because of the cost. However, he pointed out that the World War II GI Bill bore an enormous cost, but it

## Cross Country Team to Run

Southern Tech's cross-country team will run in its first meet of the season on April 2, at DeKalb Junior College. The Hornets will compete against DeKalb and Georgia Southwestern at Americus.

Coach Clancy Head says that the STI team currently consists of twelve runners, but they plan on some six more when basketball season ends. Coach Head says that all students are encouraged to try out for the team. Practice is held at the gym at 3:00 every afternoon except Friday.

## Matmen Join Ranks

Hornet wrestlers have joined the ranks of varsity competition at Southern Tech. Even though they lost their first match in the Georgia Invitational Tournament, several wrestlers showed up well.

But on January 15, the Hornet crew crushed Mercer by a score of 39 to 12. Several other meets are being arranged. Their dates will be announced. The Southern Tech matmen are being coached by John Martin, Sports Director at Channel 17.