

# kennesawor

## The Engineering Technician, Volume 25, Number 6

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## Tubs Run Saturday

The world's only international bathtub race will be run once again at Southern Tech on Saturday, May 12, beginning at 2 p.m.

With this year's emphasis on safety, the thousands of expected spectators will be roped off from the track with hay bales placed along the course where crowds are heaviest. In addition, 15 uniformed police and 75 track marshals, who will wear special vests created by the AMET department, will keep the track clear and assist spectators.

Tubs scheduled to run in this year's race include the following:

Tub No. 1, entered by the Sigma Pi national fraternity, is powered by a 175 cc. Bridgestone engine. It will be driven by David Fulcher of Winston-Salem, N.C. It is sponsored by Walker Motors of Smyrna.

The fraternity will also race Tub No. 2. Powered by a 175 cc. Bridgestone engine, it will be driven by Tim Crawford of Jesup. The tub is also sponsored by Walker Motors.

Tub No. 4 is one of two electric tubs that are entered in this year's race. Sponsored by Bomber Battery of Marietta, it will use a 1.5 horsepower, 48-volt dc motor. Sam Earley is the driver.

The second electric tub, No. 10, which is also entered by IEEE, is also sponsored by Bomber Battery. It will be powered by a 2-shaft horsepower Westinghouse dc motor, and will be driven by Alan R. Ware of Ringgold.

Southern Tech's other national fraternity, Tau Kappa Epsilon, will also enter two tubs. No. 8 is sponsored by Genuine Parts of Atlanta. Powered by a 175 cc. Honda engine, it will be driven by Slim Hayman of Albany. The fraternity's second tub, powered by a 160 cc. Honda engine, will be driven by Don Thompson of Stockbridge. This tub is sponsored by Quarterman Welding Shop.

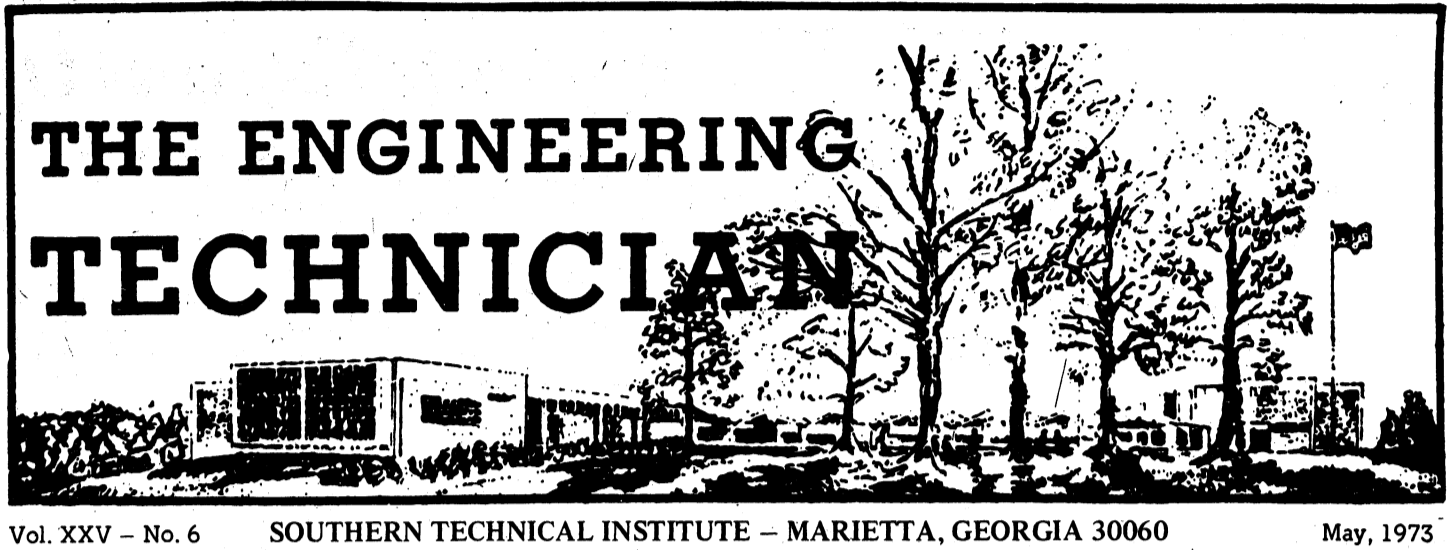
SME has also entered two tubs. No. 14, powered by a 175 cc. Honda engine, will be driven by Rick Mitchell of Marietta. No. 16, also powered by a 175 cc. Honda, will be driven by Barry Smith of Waycross.

Tub No. 21 will be driven by Al Harper. It will be powered by a 125 cc. Bridgestone engine.

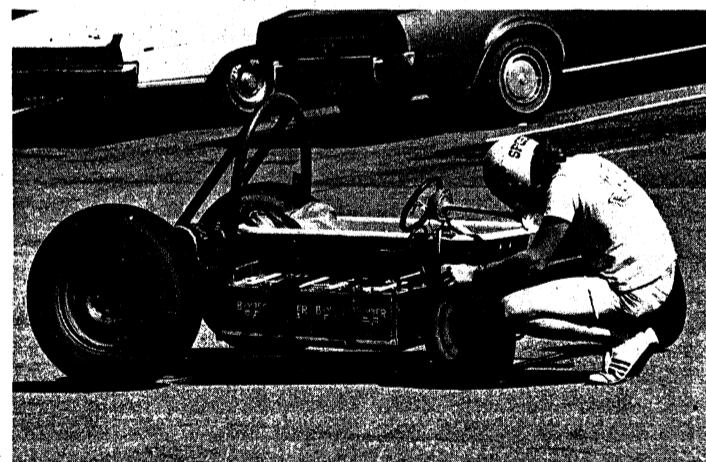
## Graduation On June 9

Southern Tech will hold graduation exercises on Saturday, June 9, for the largest class in its twenty-five year history. Some 531 students are scheduled to receive degrees. Of these, 250 will get associate degrees and 281 will receive baccalaureate degrees.

Activities will begin promptly at 9:00 a.m. If the weather permits, the ceremony will be held on the mall between the Library and the Classroom Building.



## Student Center Is Approved



## Tucker Is Elected Student President

In the Student Government elections held the last week in April, Jeff Tucker was named president of the Southern Tech student body. Linnie Thomas was named vice-president.

Other officers elected included Bubba Smitha, senior class president; Robert Sussenbach, senior class vice-president; Mike Harrison, sophomore class president; Russell Bartlett, CET representative; Wallace Lipscomb, EET representative; Chuck Merk, IET representative; and Gregg Bump, MET representative.

Campus-at-large representatives include Don Butler, Jesse Rice, Glenn Griffin, and Glenn C. Welch.

Outgoing student body president Charles Fleming said, "As you can see, there are still a number of offices with no one seeking the positions." Among these are secretary, treasurer, junior class president and vice-president, sophomore vice-president, and representatives from the AET and TET departments.

Others needed are co-op representatives for the spring/fall quarter and the summer/winter quarter. A night school representative is also needed.

"If you feel as if you could perform efficiently in one of the aforementioned openings, you should contact Jeff Tucker at Box 8915," Mr. Fleming said.

Even though it will probably be three years before it is completed, Southern Tech's long-awaited Student Center will be a reality. This year's legislature appropriated \$1.4 million for the project.

"Three years to completion is not an unreasonable time for a building of this sort," Dean Hoyt McClure said. Exact facilities to be housed in the new building, as well as its location, are still to be determined.

To help decide on final plans is a committee headed by Dean McClure. It includes students Charles Fleming, Jeff Tucker, and Jim Axley. Faculty members serving on the committee include Professor Chester Orvold, Professor Jim Fausett, and Professor Nick Wynne. A Southern Tech alumnus, Carl Cochran, is also on the committee.

Dean McClure said, "This project has been topping our priority list for the last five or six years. Gradually it has risen on the state priority list until this year."

The push to get the center had actually left the administrative realm this winter as Southern Tech students met and created a detailed report citing their reasons for building the center. The students also staged a confrontation with McClure on March 8 to learn more about the center and how to get it.

At that time McClure told the students they were the school's best chance of gaining the facility. "The administration has tried all it can," McClure said.

The push apparently had its effect. The facility was placed on the top priority list for funding by the Chancellor of the State Board of Regents and also gained listing as a line item in the education budget.

Although the Board of Regents' capital budget was cut in a fund squeeze, the line item remained and gained approval as a part of the overall state budget.

"We are delighted," McClure commented.

"We have so many things we need space for and this will help immensely."

Some facilities certain to go

into the student center, a snack bar and a post office for example, will come out of existing school buildings and make space for additional laboratories and classrooms.

McClure said the first step in construction would be the selection of an architect for the project by the State Board of Regents. At that point the architect will go into conference sessions with Southern Tech and Georgia Tech officials to determine priority of items to go into the building.

"We don't know the exact location of the student center. We have three different future campus plans all showing it in different places."

McClure said planning for the facility would take a year or more and bidding and construction would take another 18 months.

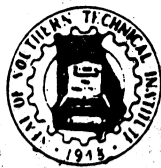
## STI Gets Historical Documents

During Southern Tech Open House held Sunday, March 25, to celebrate the twenty-fifth anniversary, a pair of permanent displays were officially accepted.

The Freedom Shrine, a collection of 28 documents important in the history of the United States, was presented by the Exchange Club of Northside Atlanta. Professor N. A. Anderson of the AET department was instrumental in acquiring the exhibit. The Physical Plant department constructed the display boards.

During the presentation, Dr. Larry MacDonald made the dedication speech. The display is located on the second floor of the Library.

A collection of Civil War prints is now on display in the Seminar Room of the Library. It was presented to the Library by Mr. Joe Cash of Marietta. The display and mounting of the prints was designed and executed by Mr. J. F. Pattillo, the father of Southern Tech's Librarian John Pattillo.



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  
PHOTOGRAPHER / Alan Stephens

## Viewpoint

(The following editorial appeared in the Marietta DAILY JOURNAL on March 20. THE ENGINEERING TECHNICIAN is grateful to the DAILY JOURNAL for its continued interest in Southern Tech.)

With an appropriation of \$1.4 million from the General Assembly, Southern Technical Institute will finally get its long-awaited, much-debated student center.

The building is still three years away, but at least STI students know the money for the facility is on the way.

Administrators and students at the Marietta college have fought long and hard for a student center. They have had help from a number of influential members of the Cobb County business and civic community. The Cobb legislative delegation also deserves some credit for getting the necessary funds to bring the student center to STI.

The fact that the STI facility rose on the state priority list was mainly due to the fact that a number of people were pushing the center up the list.

Some administrators at STI bemoan the image of the school.

"Too many people think we're a vocational college, but that's just not the fact of the matter," one STI professor remarked recently.

He went on to point out that many of the highly trained graduates of Southern Tech take jobs for \$1,000 to \$1,500 per month as soon as they receive degrees from the technical school.

That fact, he asserts, is indicative of the complex engineering skills being taught at Southern Tech.

It is unfortunate that STI had to fight so hard and so long for a student center so well deserved and needed.

But it is encouraging to the entire Cobb Community that the battle has been won. For Southern Tech, the appropriation from the General Assembly will mean much more than a student center. It is a moral victory for an institution trying to make its mark as one of Georgia's top links in the State University System.

## New English Course Offered This Summer

During summer quarter the English and Social Studies Department will offer for the first time a special topics course entitled, "The Future."

The class will meet seminar-style in one, two-hour session per week to discuss articles, books, and ideas about the future. Readings will include such works as *Future Shock*, 1984, and *Brave New World*, as well as articles by such writer-engineers and writer-scientists as R. Buckminster Fuller, inventor of the geodesic dome. The course will also include special assignment projects.

Enrollment in "The Future" will be limited to juniors and seniors who have an overall grade-point average of 3.5 or who have appeared on the dean's list for winter or spring quarter. The course, English 301, will carry a three-hour credit.

According to the English Department, the course is being

offered to allow the engineering technology student to explore speculations, factual and fictional, on the future impact of his chosen field.

## Alumni Gift

Continued support from Southern Tech's national Alumni Association has made possible the purchase of a second individual listening station in the Library's Music Room. Mrs. Joan Carter, Music Room assistant, is in charge.

The Library's collection of some 5,000 records are now available for circulation outside the building. Those who do not have time to listen to a record in the Library may check it out for listening at home. The loan period is the same as that for books.

# Students Express Opinions

Editor,  
ENGINEERING TECHNICIAN:

Your editorial entitled, "Look Alive," meaning the lack of student participation in the Student Government Association, in the March issue of the *Technician* deserves attention.

"If all of your aforementioned young adults were mature enough to face reality and attain a sense of responsibility, you would take a more active part in your school activities and functions," the article declares.

"School activities and functions" are those things extra-curricular and therefore extraneous to an education. Observe here that "facing reality and attaining a sense of responsibility" are primarily achieved by concerning ourselves with the non-essential aspects of school and not with the basic idea of learning itself.

"Maturity," as you see it, is concern with that which is not necessary and "facing reality" consists of admitting it.

The majority of STI students — the dead looking ones — are not so easily swayed by such condemning hoopla. They, as I, realize that in reality, we are not here for "school activities and functions," but for an education.

The editorial then draws an analogy between paying taxes and student fees. "Just as you pay taxes to your federal government, you also pay taxes to your school in the form of student activity fees." The logical implication of this is that since the federal government has assumed, as its right, the power to expropriate money from us, the school too can assume this power as its right.

"At the same time you are paying these fees, you, the students, should have a direct impact on the direction in which you wish your money spent.

"Even if you were unaware of it, you do have a voice and the power to decide when your monies will be spent." So, we see that we may request the direction in which we wish our money spent, but have no right to question whether our money be expropriated by the school or not. This the school has claimed as its right, while my right not to participate in "school activities and functions," and therefore not pay activity fees, is ignored.

"Indeed," you say, "we the students, the nation, will fall if the SGA is killed due to lack of participation." This is a pitifully poor attempt to arouse concern by threat of failure. How and why will we fall? Will our goal of an education suffer? No, what will crumble are all the non-essential activities that the students have evidenced, as a majority, they have little or no interest in anyway.

You further threatened that "If the SGA is dissolved, you know where that will leave you students, don't you?" Yes, we know; it will leave us to the pur-

pose for which we came here — an education.

Lloyd D. Smith

Editor:

In any state but his own, a college student is discriminated against. What I'm referring to is the high cost of out-of-state tuition. In most cases out-of-state tuition is double that of in-state. The serious student must pay this heavy fine to get the kind of education he wants if his own state does not offer it.

THIS IS UNFAIR!

I suggest that most well-managed schools could afford to drop this tax on out-of-state students. Perhaps the state governments could work out a plan for funds exchange in proportion to the number of out-of-state students from each state. This would aid the short-of-funds, out-of-state student greatly.

Christy S. Weldon

Editor:

I feel that something should be done about how the computer programs are presently being returned to the students. There

*Hugh Mulkey*

## MURPHY'S BAR

Well, old Murphy cleaning his windows and air conditioner can mean only one thing: Spring is here. Spring, the time when a young man's fancy turns to ladies' fashions, and ladies' fashions really take a turn. The subject of women's clothes comes up in conversation this time of year almost as much as the weather.

I can recall one member of the clergy recently making comments on the subject. I was driving in South Georgia and was hard-pressed to pick up a radio station. I finally found one loud and clear, and there he was, belching out fire and brimstone in between ragged breaths, and interjections of 'hallelujah' and 'praise God.' It didn't take long to figure out that his subject was women's clothes.

"With every day that goes by women are walking the streets naked and naked, Uhhhhhh (ragged breath) and they're a wearin' their dresses up to their fannies, hallelujah," he said.

"Uhhhhhh, and they're a puttin' 'em on their teenage daughters, praise the Lord," he preached.

"Amen," I said.

"Hallelujah," I said. "Tell 'em, brother."

Maybe the way he said it and the way I understood it were different, but I think we were equally enthused.

There is even one case of a construction worker eating a complete Salami sandwich without removing the baggy after watching a Miss Monica La Vamp walk by his construction

appears to be a high loss rate in the current process. It seems most probable that use of the campus post office would facilitate matters. Something must be done!

Allen C. Wehunt

Editor:

Do you know about the Music Room in the Library? If you do, why haven't you said anything about it in the newspaper? I discovered it entirely by accident. After talking with the librarian, I found out it is rarely used. They have a wide selection of tapes and records to listen to. The students at Southern Tech need to know about this service. You need to tell them about it.

David Pair

EDITOR'S NOTE: A story concerning the music room appears elsewhere in this edition of the *Engineering Technician*.

There was a story concerning the music room in the December, 1972 issue of the *Engineering Technician* on the front page!

site in her new baby-blue hot pants. Another worker welded his lunch box to a steel girder and a third dumped a load of cement on his foreman two stories down.

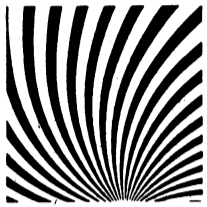
Some of the newer clothes even look provocative hanging on a rack. There was a case in Rochester Superior Court of the State vs. one Ed (Ratsy) Green on the charge of molesting a chiffon nightie in a department store. The judge threw the case out of court on the grounds that Ratsy was encouraged by the nightie. Most major department stores are now air conditioned to dissipate all the heat generated by any males who wander through the ladies-wear section.

My interest in the subject is purely aesthetic and I don't encourage women to be more daring in their apparel; however, I do wish to express my thanks to those who strive to make my life more bearable by little exhibitions of beauty.

The annual Bathtub Race is coming up soon and I'm sure there will be lots of girls there to watch it and lots of boys there to watch them. It's the time of the year to really start enjoying the outdoors and all of the beautiful young things blossoming and blooming, and growing in the warm spring sunshine. There are also some beautiful plants and flowers to enjoy when there aren't any girls around.

You owe it to yourself to take your 20-20 vision out for a treat and enjoy the all-new sights of SPRING.

# Baseball Season Comes to Close



## LAP COUNTER

This lap counter is provided for the convenience of the spectators. The winning tub must complete 50 laps to claim the victory. Put the number of your favorite tubs in the horizontal column and check each lap in the vertical column.

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After 18 games, Southern Tech's baseball Hornets were near the .500 mark with a record of eight wins against ten losses. At press time, games against Tennessee Temple, West Georgia, and Birmingham Southern were scheduled.

Weather has played a big part in this year's season, with some eight games being rained out. Coach Fran Florian hopes to play some of the missed games before the season is out.

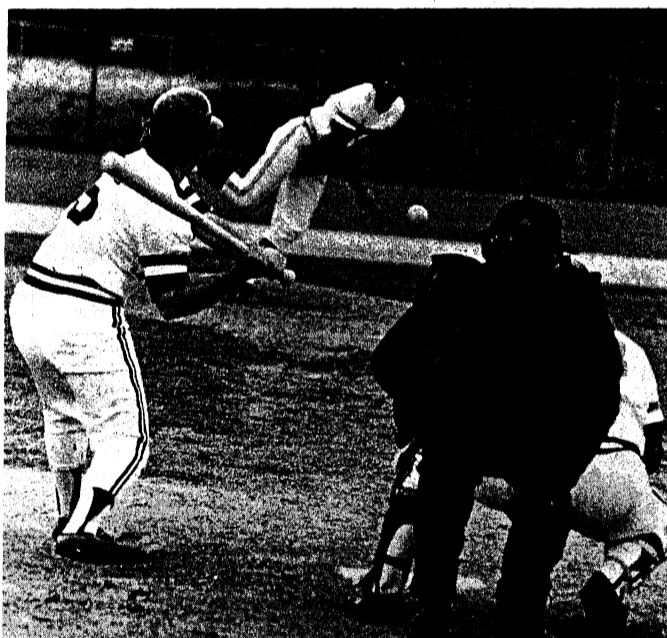
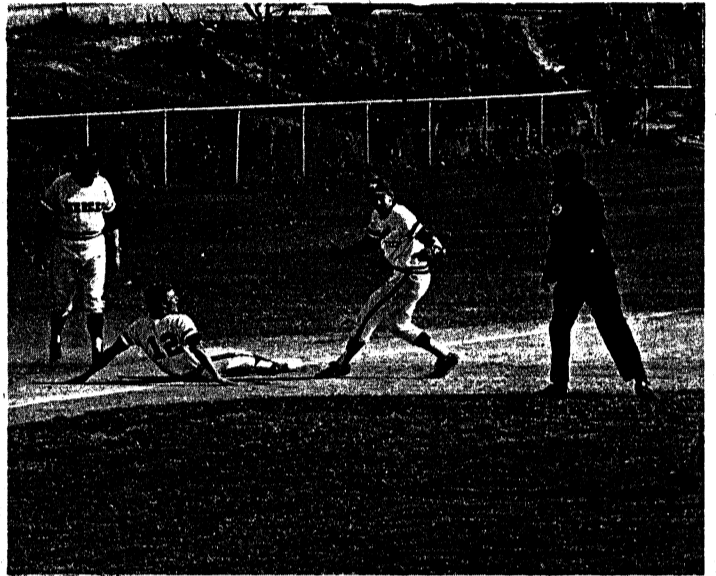
Even though the Hornets were shut out three times in their first five games, they produced 13 runs in the other two, beating Armstrong State 11-10 and losing 2-5 in a double header.

Eddie Wallace leads the pack with a batting average of .403. Not far behind is Richard McDaniel with a .361. Four others have averages well above .200. The team's batting average is .244.

In the pitching department, Ronnie Prince won four against four losses, and Raymond Hill has won two and lost two.

Following are the scores of each game played through the double header against Shorter on April 30:

Southern Tech	Score
Tennessee Tech	2
Armstrong State	5
Armstrong State	10
Valdosta State	3
Valdosta State	9
Mercer	5
Washtenau College	0
Shorter	5
Shorter	7
Kalamzoo	4
Kalamzoo	2
Gordon	5
Gordon	4
Oglethorpe	2
Oglethorpe	0
Mercer	1
Shorter	3
Shorter	10



## Recent Graduate Finds Success

by MICHAEL CRABTREE

As the second in a series, this installment details the results of an interview with a recently graduated Southern Tech alumnus.

For an example of what the Electrical Engineering Technology student may expect after graduation, consider the case of Michael Casey, who is presently employed by the Georgia Power Company.

Michael graduated in the summer of 1972 after completing the EET associate degree requirements (computer and control option) in three years of study at Southern Tech during which time he also worked for Georgia Power as a co-op student for one quarter.

He joined the company permanently in March of 1972. His starting salary was around \$650 per month. His present

working week is 37½ hours long. Michael is of the opinion that the co-op student has the advantage among those EET students interested in employment with Georgia Power.

Working as an engineer's assistant in the Systems Department, Michael's position involves the digital analysis of load flow programs which expedite transmission planning in that the distribution of lines and transformers may be predicted 10 to 20 years in advance.

At the time of this interview, Michael was involved in a two-to three-week process of updating Federal Power Commission reports which are required periodically by the FPC.

Michael says he enjoys the work and hopes to complete a bachelor's degree in EET from Southern Tech.

**POSITIONS AVAILABLE**  
Established rock group seeks graduate engineers, sales representatives, operations managers, and one electric harmonica player\*

The rock group is Vulcan Materials Company of Atlanta, Georgia. And, if you want to get technical about it, we're actually a rock, sand and gravel group.

Vulcan is one of the nation's largest producers of construction aggregates, crushed stone, crushed slag, expanded shale, sand and gravel.

We're looking for graduating seniors, graduate engineers and people for sales and operations management. At Vulcan, you'll get as much responsibility as you can handle. Just as fast as you can assume it.

If you're looking for a spot in engineering, sales or operations management, a spot with a future, write Vulcan Materials Company, P. O. Box 80730, Atlanta, Georgia 30341, for more information.



\*Electric harmonica player needed for peak seasons only.

# Be Careful

Spectators at this year's Bath Tub Race are urged to stay within the designated areas to observe the race. The map at the right shows the prohibited places that should be avoided.

## HAND SIGNALS

Before entering the pits, the driver must signal by raising his arm over his head.

An overtaken driver must point to the side on which the overtaking driver must pass.

The driver of a stalled tub must raise both his arms to indicate that he will not move until the course is clear.

If a tub stalls after leaving the starting grid, its driver must raise both his arms and remain in his tub until the remaining starters have passed him. (The driver and helper must then push the tub into the pit area to restart it and upon starting the tub, he may begin the race.)

## FLAG SIGNALS

**GREEN** / Signal to start the race, the course is clear. Also displayed following use of caution flag.

**BLUE** / You are about to be overtaken, or you are being followed very closely - give way.

**WHITE** / A service car (emergency vehicle) is on the circuit. Use caution.

**YELLOW** - Held Still / Danger in the vicinity; no passing; use caution. Waved Vigorously / Immediate danger or obstruction; reduce speed and use extreme caution until clear of the danger area. (The GREEN flag is often displayed following the use of the Yellow to indicate course is cleared.)

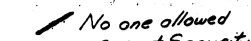

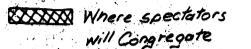
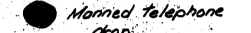
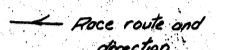

**YELLOW** - With Vertical Red Stripes / Oil on circuit; use caution until clear.

**RED** / Complete and immediate stop for all cars; clear the track.

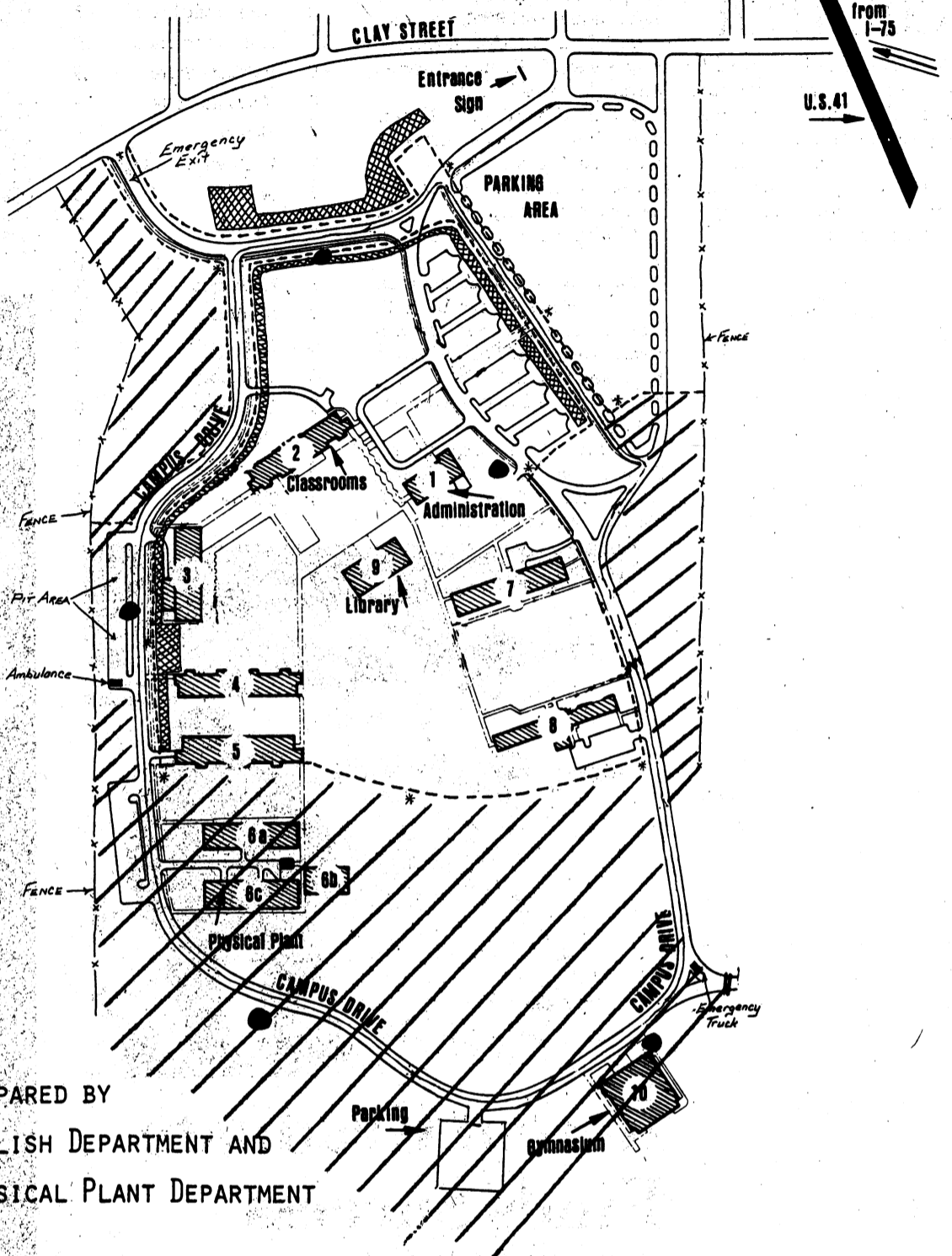
**BLACK** - Furlled / You are being observed for dangerous driving. Waved / Stop at your pit for consultation on next lap.

**CHECKERED** - Furlled / One more lap to finish the race. Waved / You have completed the race, complete one more lap at reduced speed and stop at your pit.

### LEGEND

-  No one allowed except Security
-  Rope Barrier
-  Where spectators will Congregate
-  Manned telephone drop
-  Race route and direction
-  Uniformed Police

# Bath Tub Race Plan-1973



PREPARED BY  
ENGLISH DEPARTMENT AND  
PHYSICAL PLANT DEPARTMENT

## Sigma Pi Honors Founders

by RICHARD BURNS

Epsilon Alpha chapter held its Founders' Day celebration on Saturday, February 24, 1973, at Squire's Inn Motel. Several loyal alumni of the old local fraternity, Sigma Delta Phi, returned to be initiated into Sigma Pi.

The activities began with initiation ceremonies at 12:00 noon. Our faculty advisor, Professor Jesse W. Ellington, along with the alumni, John West, Gary Whited, Steve Embry, Larry Downing, and the new brothers, Jack Bell, Rick Bradner, Doug Chastain, David Carter, and Joe Hill, were initiated.

After initiation a banquet was held to honor the new brothers.

Featured speaker was Mark Reed, Tau Province Archon, who gave a very informative speech on the ties between the local chapter and the executive

office, and what is expected of each. Honored guests attending were Dr. Walter O. Carlson, dean of STI and Mrs. Carlson; Colonel Walter H. Lemmond, Chapter Archon, and Jesse W. Ellington, Faculty Advisor.

Later that evening a dance and party were held for Sigma Pi brothers and other guests. The 'Transition,' from Jesup, Ga., supplied a variety of music ranging from the early 50's, a little country, soul, to the present hard rock. The vocalist for this group, Billy Richardson, is an alumnus of Gamma Tau chapter at Georgia Southern.



## SUMMER Jobs

We are now taking applicants for 10 to 15 weeks of full-time summer employment. You may start on a full-time basis now. You can earn \$135 to \$175 per week, based on your productivity.

(Long hair, O.K.)

For appointments, call (404) 525-8530 or (404) 525-7154.