

Counter clockwise from Bottom: Gayle Collett, Kay Dawkins, Margie Bowers, Gloria Garrett, Mary Ann Moore, Lynda Morgan.

Photo by Bob Bailey

STI Cheerleading Squad Chosen By Monogram Club

Those students who attended the STI-John Marshall game on November 12 saw the new Southern Tech cheerleaders in action for the first time this school year. The cheerleaders were recently selected by the Monogram Club. All the girls are high school graduates and one has attended college.

A closer look into the lives of the cheerleaders reveals that they have a wide range of interests including sports, traveling, and music appreciation. The girls come from all over the Atlanta area. Smyrna,

Osborne, and O'Keefe high schools contributed to the cheerleading squad. Lynda Morgan is the only returning cheerleader from last year; the rest are new recruits.

Since the girls are not paid for their services, the Monogram Club has asked all the fraternities on campus to contribute ten dollars to help pay for the uniforms. According to Instructor Larry Parlett, three fraternities have already paid and another has pledged that it would help also.

Concern For New STI Dorms Shown By Lt. Governor

Lieutenant Governor Peter Zack Geer was on campus, October 31, and inspected one of the dormitory residences. The Lieutenant Governor was here to speak to the Kiwanis Club of Marietta when he inspected the dorms; three members of his staff were with him. After seeing the dorms, Geer pledged his "very strong and vital interest in seeing that Southern Tech gets more new dorms." He was guided on his tour by Professor Robert Hays. After his tour,

Geer wrote a letter to the Board of Regents explaining how badly Southern Tech needs new dorms. (See editorial Page)

Four members of a legislative sub-committee were on campus the second week of October for a similar reason. They were here to ascertain STI's immediate needs as well as needs of other state colleges. No definite reaction to the dormitory situation could be obtained from the committee according to Hays.

Hornet Radio Station Has 1,000 Watt Sting

The Southern Technical Institute Amateur Radio Club recently had a trailer donated to them by the Electrical Department here. It was parked at the end of Building 2 so that power could be obtained from an existing temporary electric service at that location.

On November 3, Amateur Radio Club members cleaned and painted the Army surplus trailer green.

Since the 1,000 watt transmitter requires three-phase power, and the trailer is equipped with single

phase, a new weather-proof power service must be installed before the transmitter can be turned on.

A lower-power temporary transmitter and two receivers are now in use until the new power service is obtained.

The transmitter is operated by licensed members in accordance with Federal Communications Commission rules and will handle messages for any student at Southern Tech.

Iota Tau Reveals Plans For Dance

The annual campus-wide Christmas Dance, sponsored by Iota Tau, will be held on Saturday, December 7, at the Georgian Terrace, across from the Fox Theatre in Atlanta. The dance will begin at 9 P.M. and will end at 1 A.M.

"Preparations for the dance are complete, and the results look very promising," stated Jim Seignious, president of Iota Tau.

A band, "The Night Shadows," will provide the music for the evening. The entertainment committee for the dance stated that students attending the affair could have great expectations since this band comes to the dance after performing for many of the Southeastern Conference colleges.

Dress for the dance will be semi-formal. Tickets are on sale for \$3.00, single or double; these may be purchased from any Iota Tau member.

Seignious also stated that Kirk Moore, the club's public relations officer, has been preparing some surprise entertainment which will involve student participation. Moore declined to say just what this entertainment would be.

Gas. Dept. Given Funds By Gassers

The Organization of Ancient Gassers has just given \$500 to help educate some young, future "gassers." STI has received the \$500 gift from the Organization of Ancient Gassers to invest in laboratory equipment for the Gas Engineering Technology Department.

The "Gassers" organization consists of leaders who have been working in the liquefied petroleum industry since LP-gas first became a major fuel. Both as individuals and as members of the Gassers Organization, these gas industrialists have supported Southern Tech in the past with financial aid and curriculum advice.

Southern Tech offers the nation's only degree in gas engineering technology. Consequently the school has drawn students and financial assistance from gas industrialists all over the country.

CAMPUS SCENES

Fraternity pledges dressed as exaggerated, young, and beautiful ladies, playing "Ring Around The Rosey" on campus and seemingly enjoying it.

* * * *

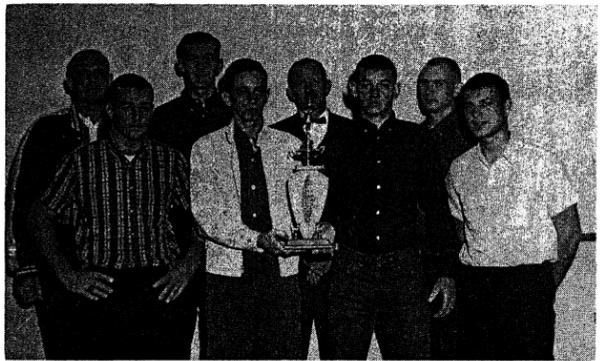
STI student car screeching to a halt on an Atlanta street, three students piling out to investigate junk pile at the side of the road.

* * * *

Student leaving Post Office with no-mail-today look on his face.

* * * *

As dark settles on the campus, one lone and solitary student still diligently studies in library.



First Row, Left to Right — Ed Perkins, Kenny Ross, John Farmer, Bobby Deaton. Second Row, Left to Right — Coach Lockhart, Bob McCoy, Director McClure, Finley Cook.

Photo by Bob Bailey

Southern Tech Awarded Sportsmanship Trophy

Southern Tech's Athletic Department has received state-wide recognition for its over-all athletic program. The program has been awarded this year's President's Trophy for "sportsmanship" in all athletic endeavors. The award was given by the Georgia Junior College Athletic Association.

Athletic Director Harry Lockhart expressed pleasure at receiving the trophy: "Even though Southern Tech cannot emphasize athletics because the students carry very heavy academic loads, I've been proud of their record both on and off the courts and playing fields."

The President's Trophy award is based on a number of prerequisites: Proper treatment of visitors to the campus, spectator sportsmanship, and conduct of players and coaches

during the athletic contests are among some of the items.

Director McClure stated that this trophy was the result of a fine job which Coach Lockhart and the students associated with the athletic program have been accomplishing. McClure also said, "It sometimes happens that sportsmanship awards are given to schools who haven't had much success at winning ball games; our winning the trophy was even a greater achievement because the STI Athletic Program produced an excellent championship baseball team last spring."

The recipient of the President's Trophy is selected by the Georgia Junior College Athletic Association during the spring of every year.

Campus Landscaping Program To Include Japanese Crabs

The campus of Southern Tech is about to undergo a complete physical change. Several months ago the grounds were prepared for the landscaping program which is currently underway. Huge plant boxes were erected near the classroom building; a large earth mound was built between the classroom and administration buildings, and a triangular-shaped mound was erected near the post-office entrance of the laboratory building.

The landscape architect, Mr. Edward Daugherty, has recently completed the final drawings for the planting, and bids have been taken. The actual planting is scheduled to take place the latter part of November.

Details of the planting layout were made available by the architect on a master plan. One of the highlights of the landscaping will be the grove of sycamores in the giant circle just west of the administration building. The trees are

to be planted with their trunks pointing slightly outward, to give an illusion of increased spacing, and to allow for future spreading. The twelve large boxes in front of the classroom building will contain four dogwood trees each and other flowering plants. A sizable area at the east end of the classroom building will contain juniper and yaupon plantings, along with lombardy poplar, sycamore, and red maple trees. Just outside the main library entrance Japanese flowering crabs and sugar maples are to be planted.

The east end of the electrical building will be a garden spot bordered by elaeagnus hedge and featuring a large assortment of flowers and shrubs. In front of the building grey poplar, American holly, and sugar maple trees will be planted.

CALENDAR

- Dec. 6—Augusta College, Home
- Dec. 7—Christmas Dance, Georgian Terrace
- Dec. 14-Jan. 5—Christmas Recess
- Jan. 6—Registration Day
- Jan. 7—Truett-McConnell College, Home
- Jan. 10—Armstrong College, Home
- Jan. 14—Young Harris College, Home
- Jan. 17—Brewton Parker College, Home

Class Plant Tour Results In Gift For STI Student

Ed Butler (Mech) won a complete welding outfit by winning a door prize when Assistant Professor Cuba's welding class toured the Aircro plant in Atlanta, November 14. Class members signed up for a door prize while there. Mr. Cuba presented the prize, an oxygen-acetylene torch, to Ed Butler in class.

The Technician

Published monthly by the students of Southern Technical Institute,
Marietta, Georgia

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Member of Associated College Press

Editorial Comments

Ed. Note: Your college paper had been scheduled to appear on Wednesday, November 27, just before Southern Tech closed for the Thanksgiving Holidays. The untimely and tragic death of our President, John F. Kennedy, intervened and delayed our plans; thus, we decided to publish at this time.

TO THE DECEMBER GRADUATE

To some of you, the years at Southern Tech may represent a long, up-hill struggle. To others the years may have wisked by without realization that they had gone. But you, the graduates, are to be congratulated; successfully completing the program here was a difficult task. But tread lightly in the future. There are many bumps-on-the-head that remain ahead: Your education is not yet complete.

A SEASON OF SADNESS

We are saddened this Christmas Season by two tragedies: one the death of President Kennedy; the other, the explosion which occurred in late October in the heart of our city. Both will be remembered in years to come. May our deeper thoughts this season be with those who were nearer to these tragedies—the immediate families of those who are deceased.

SALUTE TO EPSILON PI CHI

Epsilon Pi Chi, the Electrical Department fraternity, has come up with a good idea to increase attendance at the home basketball games. To accomplish this, the fraternity has required all pledges to attend these games, excluding, of course, those students who work or cannot attend for good reasons. So far this plan has been successful; Epsilon Pi Chi makes up a good portion of the total attendance at the games.

Although this appears to be a bit of coercion, we feel that the result has been that many of the pledges have become active supporters of the team and will continue to attend the games long after the pledging period ceases. From our observation too, these pledges have been enjoying the games. We would recommend that all fraternities follow the leader in this idea.

WHAT ECPD ACCREDITATION MEANS

There are approximately 200 technical institutions in the United States today. Of these, only 32 are accredited by The Engineers' Council for Professional Development. Southern Technical Institute has been accredited by ECPD since 1949. Although the ECPD accreditation is not widely known by parents and high school counselors, industry respects the ECPD accreditation very highly.

The student who graduates from an ECPD-accredited school will find that many companies hire only from accredited schools. Even though many companies hire from both accredited and unaccredited schools, they almost always give the ECPD graduate a better job and more opportunity for advancement.

Because Southern Tech is ECPD accredited, its students will graduate from the cream of the technical schools. As the gap between engineer and technician widens, industry needs the engineering technician more and more. This gap is broadened by the engineering colleges' continuously moving towards "engineering scientists."

Vocational schools cannot hope to compete with accredited technical schools, since their curriculum at this point is far below the ECPD standards. This is a fact known to industry, if not to everyone else. STI students need not worry about schools of lesser stature infringing on their job opportunities, since they will have completed a course of study that has been approved by ECPD and which industry needs very badly.

NOW AT THE TURN OF THE YEAR

With the coming of the holiday season and the new year, it is disturbing to think that we sometimes forget or take for granted many great gifts which are afforded us by the simple fact that we live in the United States. If the holiday season is not too full of festive occasions—Christmas parties, New Year's parties, and nameless other parties sandwiched in somewhere, someplace — then let us pause and become at least a little thankful that we

... won't be cut down by a machine gun at the polls next year as Venezuela voters were this week,

... don't have to serve in government work groups after our own day's work is done,

... can meet and talk in groups without fear,

... will have more than a cup of rice on Christmas day,

... are permitted to go to the church of our choice by our government,

... can disagree and voice opinions.

Such is the atmosphere in which we live.

Letters To The Editor

Ed. Note — Letters to the editor should present problems or comments pertaining to the student body. Solutions to the problems are desirable in each letter. Letters should be fair and logical; names will be withheld if the writer desires.

November 4, 1963

Editor:

In 1948, when Southern Tech was first opened, the role of the engineering technician was not fully defined. He was thought of as a highly-trained craftsman. The seal of Southern Tech carried this idea. But today, the engineering technician is a recognized member of the engineering team. He is no longer considered a craftsman.

Southern Tech has a new campus; the names of the courses have been changed to convey the engineering idea. Now is the time to change from a vocational-school seal to an engineering-technology seal.

Yours truly,

Andrew Wesley

Staff Note—We thank Mr. Wesley for his letter. We agree with him in that the written phrasing may not convey the idea of the complete result of the education which a student receives here at Southern Tech. Above this, however, Mr. Wesley's letter contains implications that reach far beyond the wording of the seal, though that IS the immediate problem for which he is seeking a solution.

The dilemma of the whole matter is this: What is the official result of the education here at Southern Tech? We are told that the graduate is an engineering technician and that he functions, out in the world of industry, near the level of the engineer and that he is the *right hand man* of the engineer — and, in order to do this, he receives some of the same education as the engineer. But we hear rumors of graduates working AS engineers and doing very well at it too. Logic tells us too that there are STI graduates who function on the level of the technician and not that of the engineering technician. Whether this is the result of thwarted personal ambition or not, we do not know. However, we are sure that a study into the actual positions of STI graduates — not just to find out position titles but what the men are actually doing—would reveal a myriad of "technical levels." Again, how much individual personality enters into this cannot be determined.

But a problem exists: What can the Southern Tech graduate look toward to determine the highest level position in industry in which he can succeed? And as he walks briskly away from STI with the degree of, for example, *Associate in Industrial Engineering Technology*, does he know what industry expects of him? In so many words, *what IS an engineering technician?*

We think that this apparent lack of definition is the concern of all students, faculty, and administration. We would like to hear some comments.

SNAPSHOTS NEEDED!!

W. D. Koempel, editor for the 1963-64 LOG, is in the process of gathering snapshots of club activities for several pages in the LOG. Clubs having interesting pictures should bring them to Room 265 or send them to the editor, Box 8221, as soon as possible.

Editor Koempel states that anyone interested in working on the LOG staff may see Professor Blair in Room 265. He adds that the greater the combined student effort on the production of the LOG is the better the results will be.

A Guide To Defective Thinking Or How To Become Confused

By Lewis Edge, Jr.

There are sure a lot of things you're exposed to in college that you might not get anywhere else — Food poisoning, Asian flu, infectious mononucleosis . . . Ideas too.

The other day my professor was telling the class, "What you learn in this course is fairly unimportant. The main thing you should learn is how to think." He's pretty successful at getting his students to think. Nobody listens to his lectures, they just sit there and think and think. **About the most shocking thing I've learned in Technical Writing is that practically nothing I believe do I have any good reason for believing.** This is a pretty bothersome idea. For example, here I've believed, for who knows how long, that the world is round, and only because people told me. They could have used subjective judgement. I never investigated by going around it. In fact I couldn't think of anything I believed because of first-hand information. So not too long ago, when I received my assignment, I decided to figure out a rational report.

The first thing I did was to decide what I was going to report on. Well, I decided it would have to be something that I didn't care about so there wouldn't be any doublecrossing emotion involved. This was tough, because I care about everything except Roach Village. Finally I decided to investigate which was the better riding animal, a camel or an elephant. Believe me, about this I cared absolutely nothing.

To start, I went to the zoo to check and make sure there were such things as camels and elephants. This was difficult, because there isn't a zoo in Marietta. But I did. I didn't ride them, though, lest I get to like the personality of one of the animals and let a subjective note enter my decision. Scientific methodology was to be used throughout. No bias would be possible. Pure objectivity. Nose to the wheel, shoulder to the grindstone. Sleeves rolled up and pitching in.

There were a lot of things to take into consideration to make the comparison fair and objective. The first thing that I noticed was that the camel smells a lot worse than the elephant. This may sound like it, but it is definitely NOT a subjective comparison. Camels do smell lousy.

The camel's smell is fairly well offset by the elephant's high original cost. The elephant's upkeep is higher, too, but the elephant has a much greater resale value. It just seems to depend on whether you plan to keep your animal for a long time or trade him in frequently on the new models.

Ease of mounting is about even, depending on personal preference. The camel will kneel to let you climb on; the elephant will lift you up with his trunk.

As far as byproducts go, the elephant is ahead hands down, but there doesn't seem to be much of an elephant manure industry in the United States—discounting politics.

When it comes to comfort, it's the elephant again. Plenty of room and a smooth seat contrasted to the camel's narrow, sharp hump. There's a famous old Arabic saying: 'I'd walk a mile with a camel!' that deals with this.

The final consideration is safety. In a wreck, the elephant is the safer. But when it comes to a stampede . . . maybe you could stop a camel, but don't get in front of that elephant!

The decision was pretty close, so I set up an objective rating system with points for each favorable argument.

	Elephant	Camel
Smell	3	0
Original Cost	3	6
Resale Value	6	2
Upkeep	2	6
Byproducts	?	?
Comfort	4	0
Safety	-4	4

After making a chart, the only scientifically logical thing to do was to graph it. This gave me a satisfaction-cost curve in the shape of a "C". "C" obviously stands for camel. So there it was—my first completely objective report had been made, and I had adopted my first rational belief. It was better to ride a camel than an elephant.

I don't know why I'm telling you all this though. Yesterday I learned in class that nobody can understand exactly what someone else means by what he writes. (The Prof. proved this when he started using words like "connotation" and "denotation." He sure gets his points off my papers.)

Plagiarized from "A Study of Old Arabic Sayings" by R. J. Reynolds

Lt. Gov. Geer States Need For New Housing At STI In Letter To Board Of Regents

November 1, 1963

Honorable Jim Dunlap, Chairman
State Board of Regents
Room 468
244 Washington Street, S.W.
Atlanta, Georgia

Dear Jim:

I have just returned to the office from a speaking engagement in Cobb County during which I made a personal tour of the facilities of Southern Technical Institute and the University of Georgia Center in Marietta.

No one who visits this campus could help but be impressed with the total inadequacy of the wooden, barracks-type dormitories in which Southern Tech students are now forced to live. The Board of Regents, I am sure, is aware of this situation since it recently approved the construction of a 180-student modern dormitory there.

However, Southern Tech officials advise me this will meet only half the need; new quarters for 500 students would be more in line with the requirements.

Classroom space is also at a premium. At the time I visited the Institute, every classroom was in use. Classrooms at the Center were also full, and some classes were being held elsewhere.

I believe it is imperative that action be taken by the Board of Regents in the very near future to relieve the situation at Southern Tech. The recent authorization of a junior college in Cobb County probably will have little effect since Southern Tech is meeting a different need.

It appears to me that a more direct solution of the classroom space problem would be the construction of new facilities for the University Center, separate and apart from the campus now shared with Southern Tech, so that both institutions may more adequately serve the students of the Cobb County area and the State of Georgia.

With kindest personal regards, I am,

Sincerely yours,

PETER ZACK GEER
Lieutenant Governor

CLUB NOTES

ASTME

The ASTME Chapter toured the BOP plant in Doraville, on November 13. The tour was arranged by Assistant Professor Cuba. ASTME members and dates had a steak dinner November 20, at the Elks Club in Marietta, according to Bill Bradford, chairman of ASTME.

IEEE

The new officers of IEEE continue to extend an invitation to all students in all departments who are interested in electricity and its uses.

November 21, a guest speaker from RCA explained the principles of color television to a capacity crowd.

The talk presented new information to the advanced electronics students and professors, and most of it was explained well enough to be understood by guests who had no background in electronics, according to Professor Robert Carter.

SAM

On October 24, Assistant Professor Herb Eller's Materials Handling class was a guest of the American Materials Handling Society Show at Lakewood, Georgia. Also in the group were several members of SAM. According to Kirk Moore, Public Relations officer of SAM, pictures were taken of the group. These will be used on the cover of the Materials Handling Society Magazine at a later date.

Alpha Mu Sigma

Alpha Mu Sigma President Bruce Edwards announced that the fraternity has completed the initiation of 20 pledges, the largest group the fraternity has had in several years.

The new members, as well as the old, celebrated with a party on November 22.

The party was jointly arranged with Alpha Beta Sigma, Edwards stated.

Iota Tau

Iota Tau has chosen Miss Leah Howle, a petite, green-eyed high-school student, to represent the fraternity as "Miss Iota Tau" at the annual Christmas Dance this Saturday night at the Georgian Terrace. Miss Howle, a sophomore at Lakeshore High School, was selected by the fraternity at a recent club meeting. She will be presented with a bouquet of red roses and a banner bearing her title at the dance. Miss Howle is sponsored by Jerry Hammock, STI senior.

Jim Seignious, president of Iota Tau, states that tickets are still on sale for the Christmas Dance. Tables are set up in Building 3 and will remain there until the day of the dance, if any students still need tickets.

Tickets remain \$3.00, single or double.

All clubs interested in placing news in the *Technician* should contact Kirk Moore, Box 8499, by the end of the first week in January.

THE FACULTY CORNER

Associate Professor Robert C. Carter, Electrical Department, has completed the final stages of a teaching machine. The final tasks included the building of a cabinet to house the machine and the interconnecting of hundreds of wires. The finished product represents more than two years of work.

The machine is now on display for student use in the hallway near Carter's office in the Electrical Building. A total of ten questions will be set up for the machine each day.

According to Carter, the teaching machine, if diligently employed by the students, will serve to increase the retention of fundamentals. Carter has been assisted by Mr. W. E. Burton on this project.

* * * * *

Instructor E. Warren Shows will not return to teach math in the winter quarter. He has received a doctoral grant to attend Columbia University, New York City; his work, which will lead to a PH.D. degree, will be in the field of business administration.

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FACULTY PUBLICATION WORK:

Associate Professor J. J. Defore is in the process of writing a physics textbook for publication by McGraw-Hill.

* * * * *

Professor R. W. Hays is writing a book on technical writing; this is to be published in the near future.

THE CAMPUS ROAMER

By Steve McKinney

With the Christmas Holidays coming, several hundred S.T.I. students will be going their separate ways. Since there will be nearly three weeks between quarters, perhaps many students are planning to do something over the holidays other than to catch up on their sleep or just relax.

Two such interesting outings have been planned for the Christmas vacation. One deals with cave exploring and the other with camping out in the rugged North Georgia mountains.

RAYMOND L. JOHNSON GAS FUEL

"Once a famous mountain climber was asked, 'Why do you want to climb mountains?' He replied, 'Because they are there.' That is why I explore caves, because they are there—beautiful and rugged.

"There are about thirty to forty known caves in the region of Chattanooga, Tennessee; in some of these, I will spend part of my holiday. The majority of these caves are near Rising Fawn, Georgia. Case Cave near Trenton, Georgia has the largest room. The light from a carbide lamp is insufficient to allow anyone to see the opposite side of the wall in this particular cave.

"Caves in this area stay a constant 58 degrees the year round. This figure will not vary more than plus or minus one degree. Farther north this figure is lower, and farther south it is higher. The temperature of a cave will be somewhat near the average yearly temperature of the area surrounding it. There is no average age of caves in any one section. One cave can be a million years older than another one.

"The simplest answer that I can give for the forming of caves is erosion. Water and minerals cause all the formations inside the caves. Stalactites are formations that are icicle shaped and hang down from the ceiling. This formation tends to have a small hollow tube running down the center of it. Water running down the tube and on the outside leaves small deposits of minerals which add to the growth of the stalactite. In many cases this water drips off the end of the stalactite and lands on the floor of the cave and forms a stalagmite. This icicle formation grows from the floor up. It is generally accepted that the average stalactite grows one inch every ten thousand years.

"The bare necessities that one needs before going cave exploring consist of a carbide lamp attached to a helmet, a canteen, pistol belt, carbide, a secondary source of

light such as a small penlite, and rugged durable warm clothing such as blue jeans, jacket, and boots. Cave exploring is not an easy sport, however. I cannot emphasize this enough.

"Most people you read about in the newspapers who get lost, hurt, trapped, and even killed in caves are inexperienced people who enter a cave alone or with another person without proper equipment and a knowledge of caving techniques. Therefore, I urge anyone that may decide to go caving never to go alone. One should have the proper equipment, a reliable partner, and an experienced spelunker. He should know his physical limitations, as well as his mental limitations, and should not try to stretch them. When in a tight crawl, he should remain calm. A frightened person will quickly become stuck because excitement or fear may make the human body expand from one to two inches.

"I have gone into detail to explain what cave exploring is, and I hope people will realize that a cave is something more than just a place to look around in, but a place of beauty. I always learn something about caves each time I go exploring; and as I explore numerous caves over the holidays, I am sure

I will learn something else about cave exploring."

W. D. KOEMPEL
E.T.

TED THACKER
E.T.

"We are going to leave soon after finals for the North Georgia mountains and plan to stay about three or four days. Ted Thacker's grand father owns about two-hundred acres of land above Canton, Georgia. We plan to camp out at various spots and get in a little rabbit hunting. We will do all our preparations over an open fire.

"The equipment that we will carry will be our sleeping bag, cooking utensils, warm clothes, and food. We might take a radio with us because we will be nearly thirty miles from the nearest civilization. As a safety precaution we are going to take a first-aid kit with us.

"It should be a lot of fun just getting away from it all. Most guys like to go hunting, but when it comes to camping out, they hesitate. Even though it will be very cold in the mountains, we feel that it will be well worth it. But wouldn't advise the weak or non-sportsman to tackle the rugged mountains if he is looking for something new and exciting to do."

December Candidates For Graduation

BUILDING CONSTRUCTION

Stewart Kirksey Colvard
Robert Dale Hamilton
John McAlear Murray, Jr.
Curtis Ronald Sappenfield
Oliver Eugene Skeen

CIVIL

David Valentine Cochran
Robert Ronald Collins
Stewart Kirksey Colvard
John McAlear Murray, Jr.
Jerry Warren Rowland
Curtis Ronald Sappenfield
Luther Frank Warrick, III

ET (ELECTRONICS OPTION)

Richard Scott Benton
John Joseph Boggs
Jarrell M. Estes
David Moore Galbraith
Howard Ray Gregory
James Alfred Hodges
John Lewis Huggins
Wayne Anthony King
Anthony Robert Laurito
David E. McDaniel
William Joseph Martin, Jr.
Leon Mike O'Kelley
George B. T. Reese
Henry Kelso Street

ET (TELEPHONE OPTION)

Richard Louis Hamilton, Jr.

HEATING & AIR CONDITIONING

James Perry Battle
James Andrew Brooks
James Benjamin Ingram
James Pearch Mumford

INDUSTRIAL

William Randall Ellis
Erie George Huddleston
Armando Bartolome Frerer
David Anthony Keys
Charles Walter Webb

INDUSTRIAL (MANAGEMENT OPTION)

Larry Weyman Barfield
Ream Emmett Brown, III
William Randall Ellis
Jack Milo Gillilan
Erie George Huddleston
David Anthony Keys
James Marion Seignious, III

MECHANICAL

James R. Benton
Gordon Claxton Clarke
Thomas Bligh Freeland, Jr.
Richard Shafto Livingood
Charles Sylvester Spinks

TEXTILE

Winfred Leon Langston
Walter Thomas, Jr.

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Contemporary Shirts by Arrow.

THREE LOCATIONS NEAR SOUTHERN TECH:

43 West Park Square

Town & Country Shopping Center

504 Cobb County Center



Photo by Bob Bailey
Dan Burge in action against John Marshall.

STI Wins Two Verdicts From John Marshall Cagers

After three quarters of rugged play, Southern Tech emerged victorious over John Marshall, 89 to 62. The game, during which the lead changed hands several times, saw Robert Jordon with 27 points leading the STI scoring for the second game in a row.

John Marshall led at the half by a score of 30 to 29, but the STI team quickly gained the lead after the third quarter began. This lead was held throughout the second half.

In a hectic last minute of the game, STI scored some 16 points; most of the points were scored from the free-throw line.

Bob McCoy was second in the scoring column with 14 points. Dennie Marlow and Bob Deaton followed with 9.

With a score of 78-57, STI swept by John Marshall for the second time within a week with Bob McCoy leading the Green Hornets to victory with 17 points as the top man in the scoring column. Supporting McCoy to boost the score was Robert Jordan, who scored 11 points.

In the first 18 minutes of the game, STI moved steadily in front of John Marshall by scores which were factors of 2; the scores were 10-5, 16-8, 24-12, 28-14, 36-18, and 40-20.

The second half saw the Green Hornets edge away to the final margin of 21 points. When the final whistle blew, 62 personal fouls had been committed in the rough-and-tumble game; Southern Tech players were guilty of 35 infractions and John Marshall 27.

Cagers Stomp Old Alumni

The STI Green Hornets taught the old grads a lesson in basketball in the opening game of the 1963-64 season. Robert Jordon, STI forward, led the team to a smashing victory of 74-55. Jordon was the individual high scorer for the game with a total of 15 points. Weed was the high point man for the alumni team with 10 points.

Road Trip Proves To Be Disastrous

The STI basketball team took to the road during the last half of November, only to go down to defeat four successive times. The season's record thus stands at 3-4. The scores of the away games were as follows:

Team	STI	Score
Middle Georgia College	77	69
Truett McConnell College	96	77
Georgia Southwestern College	78	69
North Ga. Vocational School	79	79

Benton Leads December Grads

Richard S. Benton of the electrical department, electronics option, will graduate with the highest average in the December class. He led the group at the beginning of the fall quarter with a 3.84 average.

Southern Tech Basketball Roster 1963-1964

Name	Pos.	Ht.	Wt.	Class	Hometown	Major
Bob McCoy	C	6'4"	175	SR	Marietta, Ga.	BC
Ray Thompson	F-C	6'3"	170	FR	Clayton, Ga.	Ind.
Hoyt Palmer	F	6'1"	165	FR	Pelham, Ga.	BC
Roy Talley	F	6'1"	185	FR	LaGrange, Ga.	BC
Robert Jordon	F-G	6'2"	175	FR	Ball Ground, Ga.	Ind.M.
Bill White	F	6'1"	160	FR	Nelson, Ga.	E.E.T.
John Farmer	F-G	5'11"	160	SR	Gordon, Ga.	BC
Bob Deaton	G	5'8"	160	SR	Lilburn, Ga.	Ind.M.
Ed. Perkins	G	5'8"	170	SR	Jacksonville, Fla.	Ind.
Finley Cook	F	6'2"	175	FR	Johnson City, Tenn.	BC
Ken Ross	G	5'11"	150	FR	Johnson City, Tenn.	BC
Donnie Marlow	G	6'1"	150	FR	Clarkston, Ga.	BC
Dan Burge	F-G	6'1"	170	FR	Marietta, Ga.	Ind.M.
James Pierce	G	5'9"	155	FR	Atlanta, Ga.	AC&E.E.T.
Steve Bomar	G	5'10"	150	FR	Palmetto, Ga.	E.E.T.

What's New And Worthwhile

By John Keown

Ed. Note — This column has been instituted in the Technician for those students who have discriminating tastes. This column will feature reviews of movies, books, and events of considerable entertainment value. In all cases, these will be available to the Southern Tech student.

Cinema:

Tom Jones, the famous comic novel, two centuries old, has been turned into a satiric movie, that should prove to be one of the year's best. The movie is directed by Tony Richardson, and features Albert Finney as the stupid and clumsy hero, and Hugh Griffith as Squire Western.

The Leopard, by Luchino Visconti. This movie features Burt Lancaster in his finest performance, and is also one of the year's best!

The story concerns itself with the death of the feudalistic society in Sicily.

Knife in the Water, deals with a middle-age man of bourgeois status and his young wife — and a stranger who goes along for a ride on their sloop. The plot thickens as the two men vie for the affection of the female. Age, skill, worldliness, and status are cast against youth, virility, and envy. On the confines of the small boat, the movie camera is able to probe into the personalities quite effectively.

Books

Recommendations from the best-seller list:

Caravans, James A. Michener
Travels with Charley, John Steinbeck

The Venetian Affair, Helen MacInnes

How To Study For Exams

by a. d. monishment

Ed. Note: Originally we had scheduled an article written by several students who have 3.0 or better averages, giving advice on how to study for exams, but somehow the article was misplaced. At the last minute we called on one of our 1.0 feature writers to do the job.

The first thing you need to study for an examination is a book. A book covering the subject that you are studying is preferable, but any book will do if you just want to get into the swing of what everybody else seems to be doing. The amount of time you spend looking at the book is not really important; but if you want your study act to last more than ten minutes or so, you can use some very elaborate and satisfying methods.

A good Hi-Fi with plenty of power is a must for exam times. One with earphones to concentrate the sound is even better. Dentists have been using this technique for painlessly extracting teeth for many years, and you can use this method for painlessly extracting knowledge.

Just turn up the volume on the Hi-Fi until you can't hear it anymore, and then you will have passed the threshold of pain. After that, it's amazing what you can accomplish. Since your brain has a limit to the amount of pain it can recognize, you don't have the distraction of unplanned stimulations. In effect, you have removed your physical self from your mental self and are ready to learn.

There's an old saying that a picture is worth a thousand words, so naturally, since it's so old, it's bound to be true. Use this famous, old technique for learning, and your point average will surely soar! Look at the pictures . . . don't fool with the words because you'll have to read a thousand of them and they just aren't worth the time.

Another saying, equally old and just as true, says, "The darkest hour is just before the dawn." This saying has, of course, a much deeper meaning than the time of day or night. What it really means is that if you go into an exam with a low average, you'll come out with a high one . . . So with this cheerful Christmas encouragement and my sure-fire method for passing exams, there is no reason in the world why you can't have the happy holiday season that you are entitled to.

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THE MONTHLY PROBLEM

Ed. Note — The Technician staff has decided to award \$1.00 to the winner of the monthly mathematical problem. This money was derived from contributions by the members of the staff.

George B. Neville solved last month's mathematical problem. He asked that the \$1.00 be given to some worthy campus fund.

The first correct answer brought to Room 265 will result in the award of the \$1.00. Answers to the problem below should be carried out to two decimal points.

Joe Student wants to protect his automobile cooling system. He decides to change the antifreeze in his Chevrolet. He hears that his cooling system holds 18 quarts. So he starts draining his system. However, just as he has drained out one gallon, he notes that he has apparently left his antifreeze in after the winter. So he checks his water and finds that he already has 24% antifreeze in the mixture. He also hears that he must have 32.5% antifreeze to protect his motor to the anticipated low temperature. How much additional antifreeze and how much water should he add to fill the system?

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