

Southern Technical Institute Completes Its First Ten Years

STI, Pioneer In Education

by George L. Carroll

When The Technical Institute opened for classes on March 24, 1948, neither students nor instructors knew just what the future of this new type of educational institution would be. Here was a two-year technical college under the Engineering Extension Division of Georgia Tech, designed to train engineering technicians. But what was a technician? What would a technician be prepared to do in industry? Could he find employment after he finished Southern Tech?

FELT LIKE PIONEERS

The faculty and staff felt somewhat like the pioneers, not knowing whether the new college would be able to hew itself a path through the obstacles facing a newcomer to the educational scene of the Southeast. The Associated Industries of Georgia felt that the rapidly expanding industries of the South would need engineering technicians. The administration of Georgia Tech had faith in the new idea. But prospective employers and prospective students and the general public did not understand the purpose or the value of a technical institute. Director L. V. Johnson and his co-workers saw that their biggest problem would be to inform industry and the public — to "sell" the new educational institution to those who would benefit from its existence. And, of course, they realized that the product of the institution must be of good quality if The Technical Institute was to create a place for itself in Georgia and the South.

For several years, the question of each day was "What is the crisis today?" "From crisis to crisis" could have been the motto of The Technical Institute. So many

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Tech-Annes Sponsor Square Dance At STI

We really had a hoe-down. A hand-clapping, foot-stomping, cotton-picking square dance was what it was. On Friday night, February 28, Southern Tech Cafeteria was the scene of a square dance that was the most to say the least. Tech-Annes and their friends square danced for hours to the music and calling of Mr. Joe Bagwell, vice-president of the First National Bank of Atlanta. Before each dance Mr. Bagwell demonstrated the steps to those not familiar with the square dance.

During the evening the snack-bar was open for refreshments, and many door prizes were given away by the Tech-Annes.

It was a most enjoyable evening for everyone.



14 Members of STI's Original Staff

Pictured here are the 14 members of STI's staff who began their service with the school within the first year of its existence and who are still giving their best for the advancement of STI. Seated, left to right: C. A. Arntson, head of Mech. Dept.; J. E. Lockwood, Assistant Professor, Mech. Dept.; G. L. Crawford, Dean of Technical Div.; L. V. Johnson, Director; Mrs. M. V. Mavity, Administrative Assistant; L. Y. Bryant, Registrar. Standing, left to right: C. T. Holladay, head of Civil Technology Dept.; C. R. Orvold, head of Building Construction Tech. Dept.; J. M. Davis, Supt. Buildings & Grounds; E. J. Muller, head of Drawing Dept.; L. H. Taylor, head of Heating & Air Conditioning Dept.; G. L. Carroll, Dean of Basic Studies; C. V. Maddox, acting head of Math Dept. and Dean of Students; F. L. Geeslin, Manager of Dining Hall.

Director L. V. Johnson Reviews Southern Tech's Past and Future

by L. V. Johnson

On January 2, 1948, a vanguard of five of the Southern Tech faculty and staff opened offices in Building 24 and began the job of building a college. They faced the job of converting open barracks into classrooms, laboratories, and offices, hiring a qualified faculty, designing courses, buying equipment, and selecting textbooks, all for a college program practically

unknown in the entire South.

The first quarter opened on March 24, 1948, with an enrolment of 116 students, 106 veterans and 10 non-veterans, enrolled in seven different courses. Our faculty and staff then totaled twelve. This quarter's enrolment of 826 students in eleven curricula, with a faculty and staff of 63, is a measure of our success to date, but it is only a beginning.

Today, ten years and 1512 graduates later, the technical-institute program is beginning to be understood and the technician is becoming a valuable and respected member of the industrial team. I am proud to say that the work of Southern Tech and the fine work of its graduates have contributed much to this better understanding of the technical-institute program and the training and responsibilities of the technician.

FIVE REASONS GIVE SUCCESS

Southern Tech was extremely fortunate in that its establishment was requested by industry and a Georgia Tech Administration with an understanding of the need for the program and the energy to sell it to others. Our progress has been due (1) to the respectability given our program through its connection with Georgia Tech and its Engineering Extension Division

(Continued on Page 3)

President Harrison Commends STI On Its Tenth Anniversary

GEORGIA INSTITUTE OF TECHNOLOGY
Atlanta 13, Georgia

Office of the President

March 24, 1958

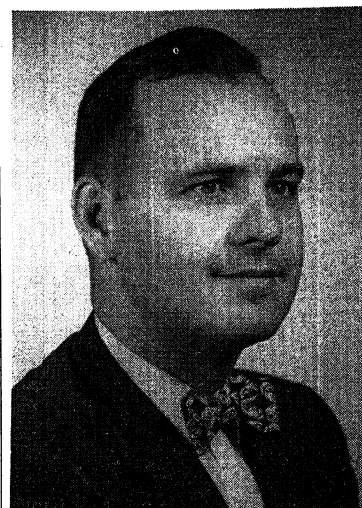
GREETING—THE TECHNICIAN—SOUTHERN TECH'S TENTH ANNIVERSARY

The Southern Technical Institute has been instrumental in bringing to American technology a new concept in higher education. In her few short years she has assumed national leadership and recognition in her field. Her graduates have made and will continue to make a major contribution to our state, regional, and national economy. A capable and devoted faculty and administration deserve a large measure of thanks and appreciation for their accomplishments.

It is our hope, our wish, and our expectation that continued growth in programs, physical facilities, and contributions will mark the vigorous and promising future of the Southern Technical Institute.

On its Tenth Anniversary, we extend to the Southern Technical Institute our congratulations and express our pride in the significant contributions which it has made to engineering education.

Edwin D. Harrison
President



EDWIN D. HARRISON,
President, Georgia Tech

46 Candidates Hope to Finish Work in March

Forty-six candidates, representing all eight of Southern Tech's curricula, had their eyes and minds set on completing their work and graduating from STI on March 15. Doing so depended upon finishing the winter quarter's work successfully and making the required point average.

Electronics and Mechanical, with 14 and 13 men respectively led other departments number-wise. Heating and Air Conditioning was third with nine candidates.

Pretty sure to qualify for honors were Harry G. Moore, E&C; William V. Devereaux, Mech; Robert D. McHenry, Jr., Mech; Gerald E. Roberts, E&C; and Clarence M. Ehlbert, Jr., E&C.

Here follows the list of March candidates, alphabetically by departments:

BUILDING CONSTRUCTION TECHNOLOGY

William Lawrence Garner
John Daniel Somers
Jerry Harrison Thornton

CIVIL TECHNOLOGY

Wesley Eugene Allen
Arthur Lee Smith

ELECTRICAL TECHNOLOGY

Donald Elexander O'Quinn

ELECTRONICS AND COMMUNICATIONS TECHNOLOGY

William Gerald Allnoch
Joseph Herbert Couch, Jr.
Edward William Davidson, Jr.
Clarence Marcus Ehlbert, Jr.
Ronald Eugene Hasty
George Carlton Imes, III
Jerome Morton Joffee, Jr.
Meredith Yancey Kelly
Dan Edward Miscal
Harry Grady Moore
Thomas Lamar Moore
James Charley Power, Jr.
Gerald Emory Roberts
James Lester Saville

GAS FUEL TECHNOLOGY

Robert Lee Collins
Dwayne Roy Goech

(Continued on Page 4)

Civil Department Uses Co-op Plan

The Civil Department was one of the original course offerings at Southern Technical Institute, although it was first called Surveying and Construction. The name was changed to Civil Technology with the 1949-50 catalog.

In 1957 the Georgia Highway Department asked to set up a Co-op plan whereby students go to school a quarter and work a quarter. In this way a student can help pay his way through school. The Co-op plan requires 33 months to complete — the student getting 15 months of valuable experience during his work quarters.

The staff of the Civil Department has increased from the original one full-time member, Mr. C. T. Holladay, to the present four and there will be six full-time faculty members in the fall of 1958.

ALUMNI DUES

Dues are \$2.00 a year and entitle you to receive THE TECHNICIAN and the alumni newsletter — monthly listing of job opportunities. Dues paid NOW will pay you through June 30, 1959. Take advantage of the two months' free dues. Make checks payable to STI Alumni Association and mail to Mrs. Mildred T. Wilson, Acting Placement Director, Southern Tech, Chamblee, Georgia.

Banquet Honoring Anniversary

A Southern Tech banquet will be held at the Naval Officers Club on Saturday, March 29, at 7:30 p.m.

This banquet is being held in celebration of the school's Tenth Anniversary, and feting the original faculty and staff members, who are still with Southern Tech.



SOUTHERN TECH'S FIRST GRADUATES

Six Mechs—From left to right, they are James C. Withers, George S. Roberts, Norman R. Andersen, Bruce D. Hobbs, James S. Charles, and William O. Walton. Robert C. Bynum, Ind. T. student is not pictured.

Charles S. Barr, '55 Recalls Days at STI

Prior to coming to Southern Tech in January of 1953, I had tried to find a school that would give extended studies in heating and air conditioning. A friend suggested that I investigate the possibilities of Southern Tech. After receiving and examining the catalog I decided to enter.

The foundation I received in heating and air conditioning has proved invaluable in my chosen field. I have had the fortunate privilege of being associated and working with some of the finest consulting engineers in my profession. My job calls for being able to select and apply various types of heating, ventilation and air conditioning equipment. At this point, I believe that credit should be given to the English Department for without the help in technical writing, Business English and Public Speaking this task would be most difficult.

Despite the demands of the classroom I did manage to find time

for extracurricula activities such as the Glee Club, Camera Club and H&AC Club. Under the direction of Professor J. J. DeFore, the Glee Club presented Gilbert and Sullivan's "HMS Pinafore."

Since graduating in March, 1954, I have been closely associated with the Glee Club and have made numerous appearances with them as guest soloist.

After graduation I accepted a position with Hairston and Company, manufacturers representative for heating and air conditioning equipment, as sales engineer. In the fall and winter quarters of 1956 and 1957, I had the privilege of teaching a night class in heating and air conditioning at Georgia Tech.

In bringing this repertoire up to date, I was married a year ago and am now the proud father of a month old son.

What success I have had, I attribute to the Southern Technical Institute.

CHARLES L. BARR, JR.

The Technician Named By One of Southern Tech's First Graduates

by Armenta S. Simmons

There were seven students in Southern Tech's first graduation class. They were Norman R. Andersen, Robert Bynum, James S. Charles, Bruce D. Hobbs, George Roberts, W. O. Walton, and James C. Withers, Jr. All of them were transfer students.

Mrs. Wilson of the Placement Department endeavored to get a report from each of them for our tenth anniversary edition but was successful with only two, viz: J. C. Withers and Bruce Hobbs.

Mr. Withers left his "mark" around here in many ways. He set up and built the original piped oxygen acetylene manifold system in the welding shop, which is still in use. Also, some of the welding tables were fabricated by Mr. Withers.

In addition, he chose The Technician as the name for our school paper in a contest, which he won, as is evidenced by our continued adoption of this name.

Mr. Withers attended Georgia Tech for two and one-half years—then transferred to Southern Tech. He was the third person to enroll in 1948 and finished in Mechanical Technology in June 1949. Mr. Withers made the honor society, Tau Alpha Pi, and taught welding part-time while at Southern Tech.

He stated that his training at Southern Tech certainly helped him to get ahead in the business world. He is now branch manager of the Columbus Welding Supply Company, which he runs as a separate corporation from the main office. He feels that he benefited greatly from the personnel and management training he received at Southern Tech, inasmuch as he has handled personnel from the very start.

Mr. Withers, his wife and three children now reside in Columbus, Georgia.

Mr. Bruce Hobbs, who is the other original graduate responding to Mrs. Wilson's inquiry, writes that he is employed by

Gulfport Shipbuilding Corporation as Manager of Drydocking and Marine Repairs. His present job consists of supervising all scheduling of drydocking and repairs to ships, tugs and barges; and estimating, cost accounting and invoicing of all contracts. In addition, he makes tours calling on customers to improve customer relations.

The company with which he is affiliated employs approximately 400 people. Mr. Hobbs states that the training he received at Southern Tech has helped him to push ahead and has given him the background to improve and to help others who work with him. He sends best wishes for continued success to Southern Tech on their tenth anniversary.

Mr. Hobbs, his wife and four children live in Port Arthur, Texas.

Though Mrs. Wilson heard from only two of the original graduates, their stories are indicative of the success and happiness enjoyed by Southern Tech graduates.

Gas Fuel Trained Engineers Needed

The Gas Fuel Department is looking forward to a sizable increase of enrollment from students of the natural gas industry next fall.

Representatives of the industry have inspected the Gas Fuel Department during the past school year. Both the American Gas Association and the Southern Gas Association are now promoting Southern Tech's program vigorously.

Members of the Gas Fuel Department are to take part in the regional LPG Convention in Atlanta this spring, and the National Convention in Chicago in May. Both conventions offer the graduating seniors valuable opportunities to confer with prospective employers.

Food For Thought

Though you have shelters and institutions,
Precarious lodgings while the rent is paid,
Subsiding basements where the rat breeds,
Or sanitary dwellings with numbered doors . . .
When the Stranger says, "What is the meaning of this city?
Do you huddle together because you love each other?"
What will you answer? "We dwell together to make money from each other?" or "This is a community."

B C Develops Qualified Construction Technicians

The faculty of the Building Construction department consists of Mr. Chester Orvold, who along with Mr. Clarence Arntson of the Mechanical department, was one of the first instructors employed by the school when it opened in 1948. "The story of how the school organized and got under way is an interesting one and a complete story in itself," says Mr. Orvold, "especially after Mr. Arntson and I arrived and were told that classes would begin in two months. There were plans to be drawn of building rearrangements and labs to be outfitted with draw-

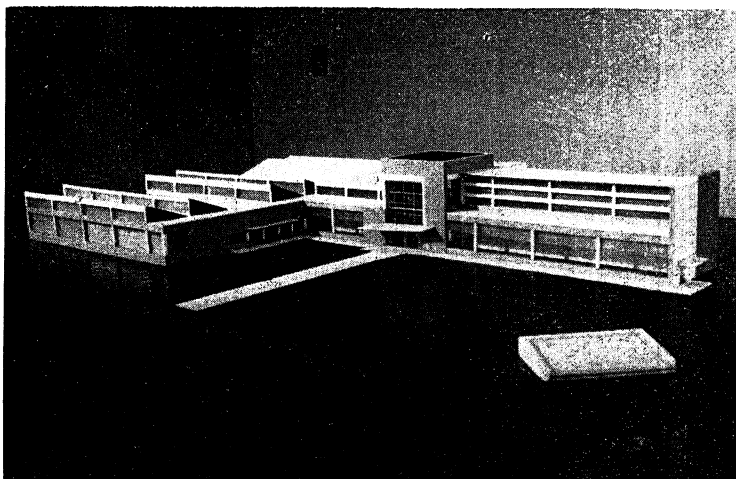
ing tables to be constructed in the school's shops. Somehow it all worked out, and we opened for business on schedule."

QUALIFIED FACULTY

In addition to Mr. Orvold, who is head of the department and a graduate of Stout Institute, there is Mr. Wilton W. Vaughn a graduate of Georgia Tech who holds B.S. and Bachelor of Architecture degrees. Mr. Vaughn is a licensed professional engineer and specializes in structural engineering.

Mr. Harold Nurse joined the faculty this past September and has been a great asset to the department.

Model and Building Essential



Mrs. Mavity's Service Is Greatly Appreciated

One of the key members of the Southern Tech staff is Mrs. M. N. Mavity. She is well known to both the faculty and the students for the fine person she is — and the fine job she is doing.

Mrs. Mavity came to Southern Tech as a temporary employee in the treasurer's office in November 1948, due to illness of the financial secretary, and has been with Southern Tech from that date on. In 1949, she became secretary to the assistant director; in May 1951 the assistant director resigned and she was advanced to administrative assistant and office manager, which position she now holds.

She performs her duties with much dignity and possesses the

rare gift of being one's superior while at the same time enjoying their deep friendship and respect.



MRS. M. N. MAVITY

Telephone Technicians To Be Trained At STI

The telephone industry in recent years has felt the results of the lack of qualified technically trained people. To answer this need, Southern Tech is considering the establishment of a full two-year course in telephone technology at the terminal technical institute level. This school, which has pioneered technical-institute training in the Southeast, prepares graduates to fill the large gap between the skilled tradesman and the research and design engineer.

Previously, the use of four-year trained engineers to do technicians' work has materially contributed to the shortage of engineers needed to fill the design and research positions. But in the future trained telephone engineering technicians can relieve the four-year engineer in most of the operating capacities. Or they should be able to advance in supervision to such positions as commercial manager and chief engineer for the smaller installations.

The proposal for training at Southern Technical Institute comes out of conferences and explorations made by the United States Independent Telephone Association, the REA, Telephony, and others interested in the need for additional telephone technicians and engineers.

A number of engineering firms also have expressed an interest in additional technical training for personnel.

STI Past and Future

(Continued from Page 1)

(2) the understanding, support, advice, and financial assistance given by Georgia Tech and the Board of Regents (3) the assistance and advice given by the Associated Industries of Georgia and the Southern Tech Task Force Committee (4) E.C.P.D. Accreditation and (5) last but not least an untiring and enthusiastic faculty.

In considering the future of Southern Tech, attention must be focused on the fact that it is the engineering and science fields which have "exploded" far beyond the horizons of just a few years ago. Thus as the engineer moves into the realms of science and mathematics, and out of the realms of application and operation in which the engineer started and has grown, many technicians must be trained to take over this important work in applied engineering and science.

CAMPUS IS NEEDED

Given a permanent and adequate campus, I believe Southern Tech will have an enrolment of 5,000 students and offer curricula in at least 15 technical fields by 1970. To achieve this goal will require the coordinated and enthusiastic support of our students, alumni, faculty and staff, and friends in all fields of endeavor, but with their help I am confident of success.

Mech Club First Organized at STI

The Mechanical Technology curriculum was one of the original ones offered at the time Southern Tech was started.

The first two quarters of operation were conducted by Mr. C. A. Arnston and Mr. P. A. Ringsmith, with Mr. J. E. Lockwood coming in the fall of 1948. During the first few years of operation with the small staff, every instructor had to teach a greater variety of subjects. However, in the past few years as the student body increased, the instructional staff increased also and now the subjects taught have become more standardized. At the present time, the Mechanical Department has 153 students and four instructors with one special lecturer to assist when the teaching load makes it necessary. Mr. Arntson is Department Head; Mr. J. E. Lockwood, Mr. C. R. Freeman and Mr. L. G. Cuba are the instructors; and, Mr. Melvin Sorrell is special lecturer.

In the early days of Southern Tech the Mech Club was one of the first organized on the campus. This has been changed to Alpha Mu Sigma, and a chapter of the ASTE has been sponsored by the local chapter of this group in Atlanta. It will interest the students attending school now to know that the average starting salary of the first graduating class was approximately \$250 per month, and now it has been gradually raised to \$375-\$400 per month.

Dorm Improvements To Begin Immediately

Mr. W. E. Norton, Dormitory Supervisor, announced plans for immediate improvement of STI's dormitories.

First, dormitory floors are to be renovated; then they will be washed with a solvent, waxed and buffed. This process takes approximately one-half a day, because all of the furniture has to be moved to do the job thoroughly. All floors will be buffed four times during the quarter. The renovation of the floors should be completed before the summer quarter.

The next improvement will be the installation of aluminum screens in all windows. Although this improvement does not seem necessary at present, it will be a 'blessing' when warm weather gets here with flies.

Purchasing of additional furniture for individual rooms will be another improvement scheduled for STI. This will include additional new metal chairs, chest of drawers, and beds.

The last of the improvements will be the repairing of rough road from Clairmont Road to Dormitory 41. Gravel has been used, but has been impractical. Mr. Norton said gravel is "fanned" on students' cars by the Navy planes when the engines are warmed-up. Dormitory 41 Road will be graded, and then covered with "dust." "Dust" is a fine grade of gravel, such as that being used for improvements around Building 8 and 9. This improvement will be a big help to Dormitory 41 students who own cars.

Renovation of the floors, and the purchasing of screens, beds, chest of drawers, and chairs are in the process of being completed. Repairing of Dormitory 41 Road is scheduled for the near future.

New Textile Course For The Future Industrialists

By G. L. ERVIN
Student, Southern Tech

If a child is to develop into a healthy and mature man or woman, he must receive the proper nourishment, guidance and attention from his parents. The textile industry is not a "child" in the growth and development of Georgia's industries; however, it must be "nourished" by more and better trained technicians if it is to continue its proper growth.

Recognizing this, the A. French Textile School of Georgia Tech, with full cooperation from the Textile Education Foundation, Inc., began a new textile course in September, 1957, to help solve this need. This new textile course, Textile Technology, is a two-year course being taught at Southern Technical Institute, a unit of the Engineering Extension Division of Georgia Tech.

Textile Technology at Southern Tech may be divided into two general phases. The first of these is the textile preparation group. This group includes courses in leadership, mathematics, physics, chemistry, and English. The second group, or the Textile Technology group, includes courses in all production procedures, from the grading and processing of raw materials to the finishing of the manufactured product. The student receives instruction in textile courses and their practical appli-



PROFESSOR JOHN I. ALFORD

cations in the modern A. French Textile School at Georgia Tech. Theories for all of these courses are taught at Southern Tech campus.

Upon the satisfactory completion of the Textile Technology course, the student will be awarded the Associate in Science Degree in Textile Technology. He may sell various types of supplies needed by textile industries. With mill experience, he may become qualified for supervision in the testing department, standard department, or the production department of any textile plant; or, after further training with any individual equipment company, the graduate will be qualified to sell, service and install various pieces of equipment used by textile industries.

The graduate may also enter the sales field of the textile in-

dustry. He may sell raw materials to the industry, or sell woven fabrics or threads to garment industries. A Textile Technology technician may enter any of the various fields of textile industry, and his progress will be limited only by his personal application to his job.

An excellent summary of the Textile Technology course is given by Professor John I. Alford, a thirty-four year textile man, with twenty-three of these years at Covington Mills. Professor Alford says, "The world doesn't mind a man who toots his own horn, as long as he plays a catchy tune." This old saying may be applied to the Textile Technology course in this way: After the future textile technician receives the proper instruction, and guidance from the Textile Technology course, he does not have to 'toot' his horn, as the Textile Industry will hear his 'catchy tune' and will reward him according to his merits."

Graduates

(Continued from Page 1)

HEATING & AIR CONDITIONING TECHNOLOGY

Carl Winford Bolden
Neil Vincent Coleman
Charles Dean Hackett
Billy Gene Hinshaw
Johnny LeRoy Martin
Reynolds Roosevelt Nelson
Bobbie Perry

Wallace Montine Strickland
Charles Willard Walraven

INDUSTRIAL TECHNOLOGY

Robert Leonard Brown
Charles Edward Cosby

MECHANICAL TECHNOLOGY

Jerry Thomas Ashmore
Howard Franklin Davis
William Vandivere Devereaux
Charles Robert Knox
Robert Dickey McHenry, Jr.
Julius Camp Malsby, III
Walter Woodard Pierce
Ronald Charles Snow
Marvin Cornelius Thomas
John Rollin Tucker
Walter Whitcomb Walker
Hugo Claude Williams
Eugene Allen Yoham



The CORN CRIB

THE TECHNICIAN, a servant of STI students, offers the following article toward fostering better masculine-feminine relations:

Is she wants a date—meter.
If she wants to call—receiver.
If she wants an escort—conductor.
If she wants to be an angel—transformer.
If you think she's going out with others—detector.
If she eats too much—reducer.
If she is wrong—rectifier.
If she's cold—heater.
If she wants a vacation—transmitter.
If she talks too much—interrupter.
If she's narrow in her views—amplifier.
If she has wrong ideas—corrector.
If she flirts—eliminator.
—The Atlanta Journal.

THE BUSINESS WHIRL

The man at the bar finished his second glass of beer and turned to ask the manager of the place, "How many kegs of beer do you sell here in a week?"

"Thirty-five," the manager answered with pride.

"Well, I've just thought of a way you can sell 70."

The manager was startled. "How?"

"It's simple. Fill up the glasses." —(The Reader's Digest).

Gal: "Before we start out on this date I want you to under-

stand that I don't smoke, drink, neck, park or stay out after 10 o'clock."

Rafferty: "You're mistaken, sister."

Gal: "You mean you think I do some of those things?"

Rafferty: "No. You're mistaken about starting on this date!"

"Listen, Captain," said the perspiring police officer, "we've been giving that ventriloquist the third degree for an hour and a half; and a plain clothesman, three cops, and a police lieutenant have confessed to the crime—shall we go on?"

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Dean Crawford Deserves Praise

Mr. G. L. Crawford came to Southern Tech in 1948 as assistant professor. He climbed the ladder to become full professor and dean of the technical division during the school year of 1951-52.

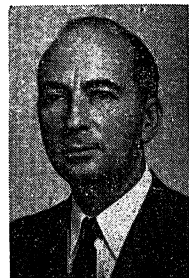


Dean Crawford salutes Southern Tech's Tenth Anniversary by pointing out that the growth of the institution is proof of the vital importance of the type of program offered. He further states that "The soundness of the Southern Tech program is also indicated by the fact that it has served as a model for the establishment of similar institutions in neighboring states."

We wish to recognize the fact that men like Dean Crawford have helped Southern Tech to become the important school that it is today.

Dean G. L. Carroll

Mr. G. L. Carroll, full professor and Dean of the Basic Division, is one of the original instructors at Southern Tech.

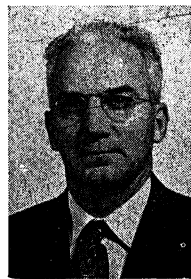


Needless to say, his association with the school has added to that element needed for success. Mr. Carroll is one of the best known and best liked persons in the education field of the Atlanta area.

Any school could be proud to have Mr. Carroll on its faculty, as is Southern Tech.

Dean C. V. Maddox

Mr. C. V. Maddox, Head of the Math Department and Dean of Students, is also one of the original faculty members at Southern Tech.



As Dean of Students, Mr. Maddox has that necessary quality of needing only a few words to "get through" to a student when disciplinary measures are necessary. The students like and respect him, and he is always ready to help them in any way that he can.

Mr. Maddox is also Faculty Adviser for the Student Council — and a good one! It is no wonder that we have so few disciplinary problems!

E. J. Muller,

Mr. E. J. Muller joined the Southern Tech faculty in June 1948, and later became Head of the Drawing Department, which position he now holds.

He is very talented, and has contributed much to the school. Last year he did the clever drawings for the Student Handbook, and has assisted in publicizing the school in the past with his art work.

Southern Tech is fortunate in having one so talented as Mr. Muller.

First Man: "Do you brush your teeth with gunpowder?"

Second Man: "No; why?"

First Man: "Well, you are always shooting off at the mouth."

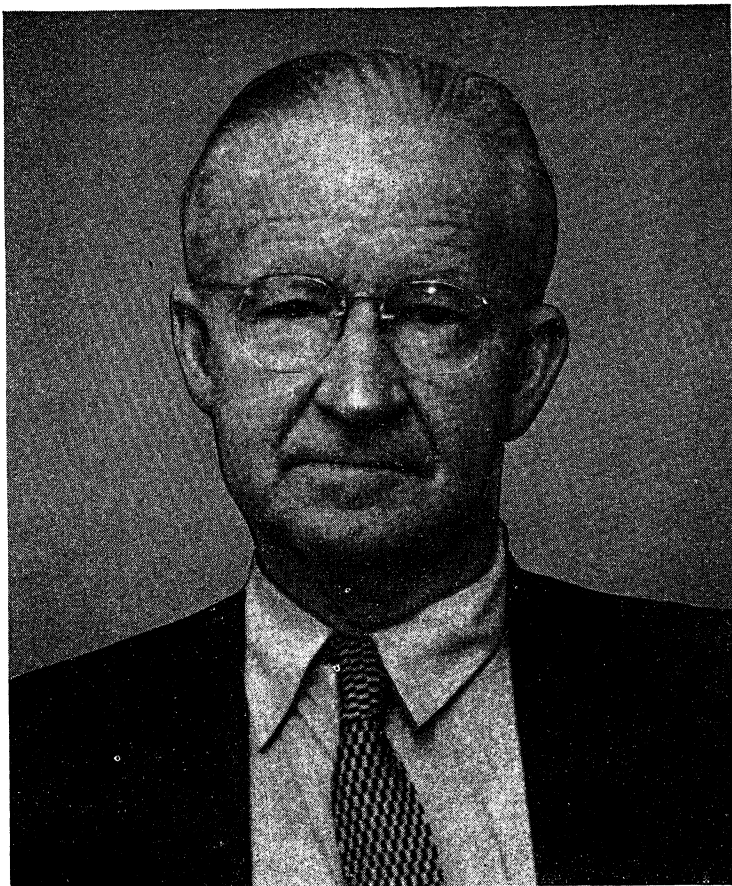
* * *

DAYDREAMER? . . .

Employer: Are you looking for work, young man?

Student: No—but I'd like a job.

Director Engineering Extension Division



Professor R. S. Howell
Georgia Tech

by R. W. Hays

The biography of Roger Shepard Howell could be filled with many facts to show his prominence in education in America. For example, a biographer could cite Professor Howell's own educational background: a Bachelor of Science Degree in Mechanical Engineering earned from Georgia Tech in 1914; a Master of Science Degree earned from Georgia Tech in 1926; scholarly publications on engineering subjects.

Or, the biographer could recite Professor Howell's record of moving up through the ranks of teaching from instructor to his present post of full professor. While earning his promotions in academic rank he has also stepped up the ladder of responsibility, from classroom instructor to Director of the

Engineering Extension Division of Georgia Tech.

His professional memberships would include many associations. Professor Howell belongs to Phi Kappa Phi, Pi Tau Sigma, the American Society for Engineering Education, the Georgia Education Association, and the National Education Association.

As befits a man who holds his present post, he is aware of the close relationship which must exist between industry and education. Professor Howell has supplemented his teaching experience with summer work; he has served both Westinghouse and the Georgia Power Company.

However, we believe that the most significant fact in his life is that Professor Howell is not only our boss but also one of the founding fathers of Southern Tech.

STI Pioneers In Education

(Continued from Page 1)

obstacles had to be overcome that they cannot be recounted here. A less courageous director would have "thrown in the sponge," and a faculty without courage and faith would have sought security in their former occupations.

INDUSTRY INFORMED OF STI

Industry began to learn of the product of The Technical Institute in 1949. Here were technical graduates who had "know-why" as well as "know-how." They were not skilled tradesmen. They were not engineers. They were engineering technicians — and they were good ones! Industry wanted more than the college could provide. The public, the high schools, the prospective students began to hear about and talk about the success of the graduates in industry.

The director put on a campaign to advertise the school. He "stayed on the road," talking to civic clubs, school groups, chambers of commerce, groups at Georgia Tech, wherever he could carry the message. Members of the staff contacted high schools on College Days and Career Days, visited counselors and principals. Under the direction of Mr. J. J. Defore and Mr. L. Y. Bryant a film, "The Technician in Industry," was produced. A Counselor's Conference was held on the campus. A very effective publicity campaign was

organized by Mr. R. W. Hays — news articles, newsletters to counselors and principals, brochures and catalogues mailed to schools and to prospective students, radio and television shows and advertising, articles in technical periodicals.

NAME IS CHANGED

Somewhere along the line The Technical Institute became Southern Technical Institute, and the Diploma was changed to the Associate in Science Degree. Employers upgraded graduates whose diplomas were retroactively changed to degrees. The Placement Department had difficulty in helping prospective graduates decide which places to accept. Placement was not a matter of finding "places" for graduates. There were more places than there were people.

And now, Southern Tech, on March 24, 1958, only ten years after its establishment, stands as one of the leaders in the field of technical-institute education, not just in the South, but in the nation. Can anyone object if we throw out our chests and brag a bit about our achievements? But, like Tennyson's Ulysses, we still realize that "Though much is taken, much remains." We cannot relax or become complacent, for we still have tremendous obstacles to overcome, not the least of which

S.A.M. Sponsors Library; Requests Books, Donations

A library is now a must for Southern Tech. Under the sponsorship of The Society for Advancement of Management, the wheels for establishing Southern Tech's library have begun to move. Successful completion of this program depends upon full cooperation from each student, faculty member, staff member and alumnus. There are many ways in which each person can help the program to become a success.

First, **BOOKS** are needed. Technical books, reference books, technical reports and essays, and leisure books are needed. Southern Tech has some technical books, but these are loaned to the different departments. With a library, these books will be collected and cataloged to give the student an accessibility to them. Also, the regular periodicals will have a definite location in which to be found.

Next, **DONATIONS** are needed. Although Southern Tech has been

is the need for an adequate campus and permanent buildings. We pledge, therefore, in March, 1958, to continue our campaign to make Southern Tech an even greater institution and to render the greatest possible service to the South and to the nation.

granted some money for the library, through Georgia Tech, the quantity is not sufficient to establish the library. This money will be used to purchase needed furniture, and some reference books—as encyclopedias and some departmental books. Already, the library fund has received donations from Southern Tech's English Department; Mr. L. V. Johnson, Director; Mr. Robert Hays, Head of English Department; and Mr. McClure, Head of Industrial Technology Department.

Third, your **PERSONAL HELP** is needed. There are many jobs to be done. These jobs could be accomplished by individuals, or by a group. Contact Sandy Lyons, President of S.A.M., for further information.

According to Mr. L. V. Johnson, Southern Tech's Library should become a reality by January, 1959. Its temporary location will be in one of the Dining Hall's present store rooms. The library will have: hours of operation from one to six p.m., with alterations if this time is not sufficient; a trained librarian to assist students, catalog books, and maintain library records; and, sufficient space and furniture to give students a place in which to study.

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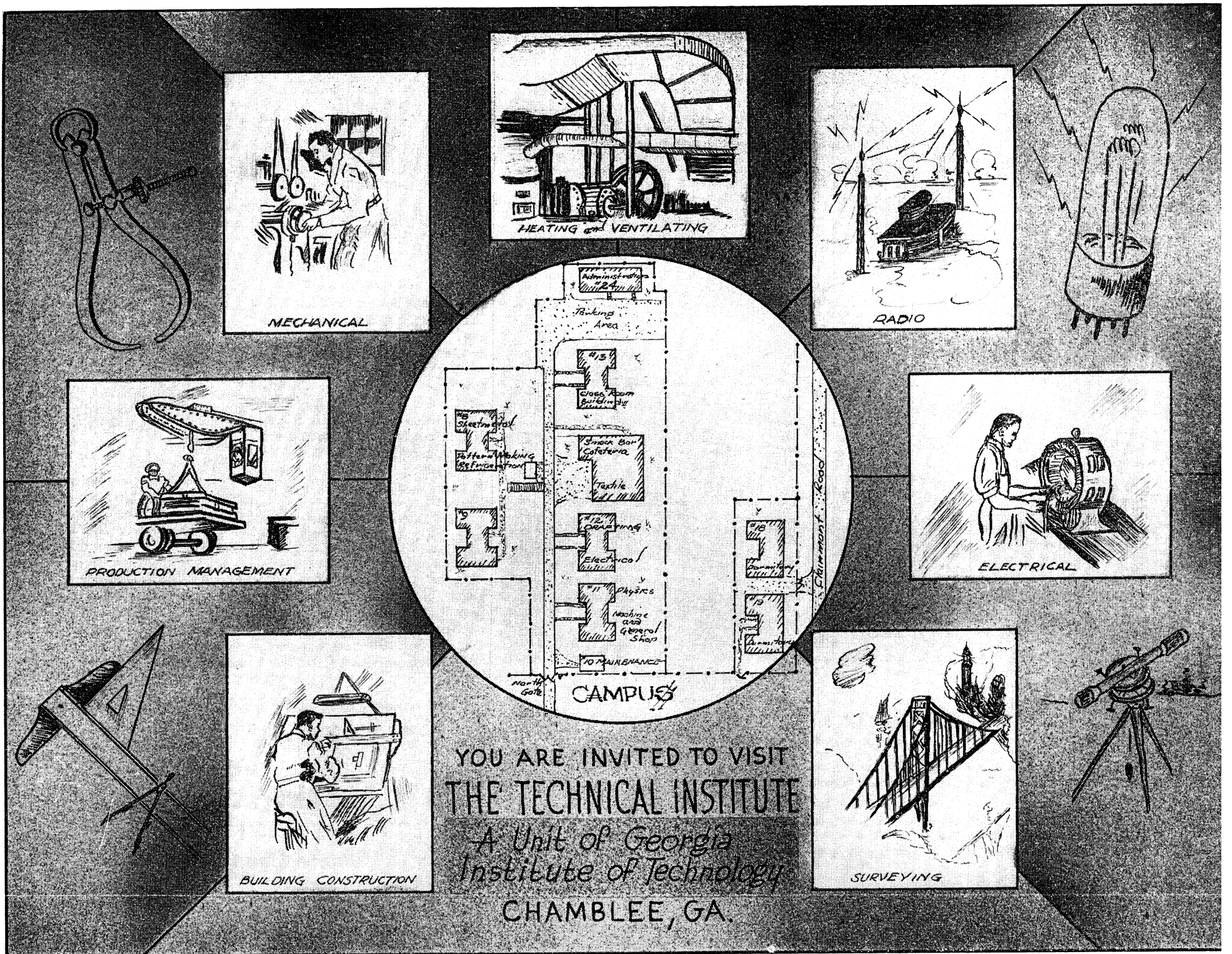
Anachronism?

Not really. 'Cause if Coke had been around in Caesar's day, Caesar would have treated himself to the sparkling good taste, the welcome lift of Coke! Caesar's motto—"I came, I saw, I conquered." Pretty good motto for Coke too—the prime favorite in over 100 countries today!



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AS A UNIT OF THE GEORGIA INSTITUTE OF TECHNOLOGY TRAINING ENGINEERING TECHNICIANS FOR INDUSTRY

1948 The Growth of STI 1958

12	Administration Staff	63
7	Departments	11
116	Students	826
7	Graduates	1,512

Research Program Continues at Southern Tech

The enormous research program developed during the war years and still going on has probably advanced our scientific knowledge and skills from 100 to 150 years as compared to where we would have been if we had kept our sleepy-time progress prior to World War II. This program has not only produced the atomic and jet-propelled age, the electric brain, solar batteries, and the earth satellite, it has also produced new problems for industry and new demands on our colleges and universities.

The resulting technical revolution in industry has created a great problem—the problem of finding the thousands of men and women with the basic scientific

knowledge, the specialized technical skills, and the managerial ability to build, operate, maintain, and sell the machines, processes, and products of modern industry.

QUALIFIED MEN NEEDED

To keep pace with science and to provide industry with men and women qualified for the research, design, and development in atomic physics, supersonic aerodynamics, and modern chemistry, the engineering and science curricula have had to be continually expanded in scientific knowledge; since they have always been crowded, many courses and subjects involving the industrial know-how, i.e., courses in applied engineering, shops, and laboratory techniques, have had to be removed. Because these engi-

neering arts, so to speak, are essential to the work of engineers and to industry, technical branches have been established by our leading colleges and universities to train technicians in the engineering field.

SOUTHERN TECH

Southern Tech, a unit of the Georgia Tech Engineering Extension Division, Chamblee, Georgia, was established in 1948 to train technical specialists needed by modern American industry. Eleven two-year courses leading to the Associate in Science Degree are offered. These courses are designed for those who do not wish to spend the time necessary to prepare themselves as scientists or professional engineers, but who

can spend two years in concentrated study to qualify as engineering technicians in the field of their choice.

ENGINEERING TECHNICIAN

The technician is an operating, supervising, maintenance, or sales specialist in any number of industrial fields. He is a technical specialist who translates designs into action.

He is a technical specialist whose "know-how" and "know-why" make him indispensable in installation, operation, maintenance, supervision, and sales in industry.

In brief, engineers design, create and project. Engineering technicians build, supervise, operate, sell, test, inspect, and manage.

TECHNICAL INSTITUTE COURSES

The courses are briefer, more intensive, and more specific in purpose than collegiate engineering courses, although they lie in the same fields of engineering and industry. They prepare for specific positions or areas of activity of professional engineering.

COURSES OF STUDY

Building Construction Technology, Civil Technology, Electronics Technology, Gas Fuel Technology, Heating and Air Conditioning Technology, Industrial Technology, Industrial Technology (Management Option), Mechanical Technology, Power Technology, Telephone Technology, and Textile Technology.