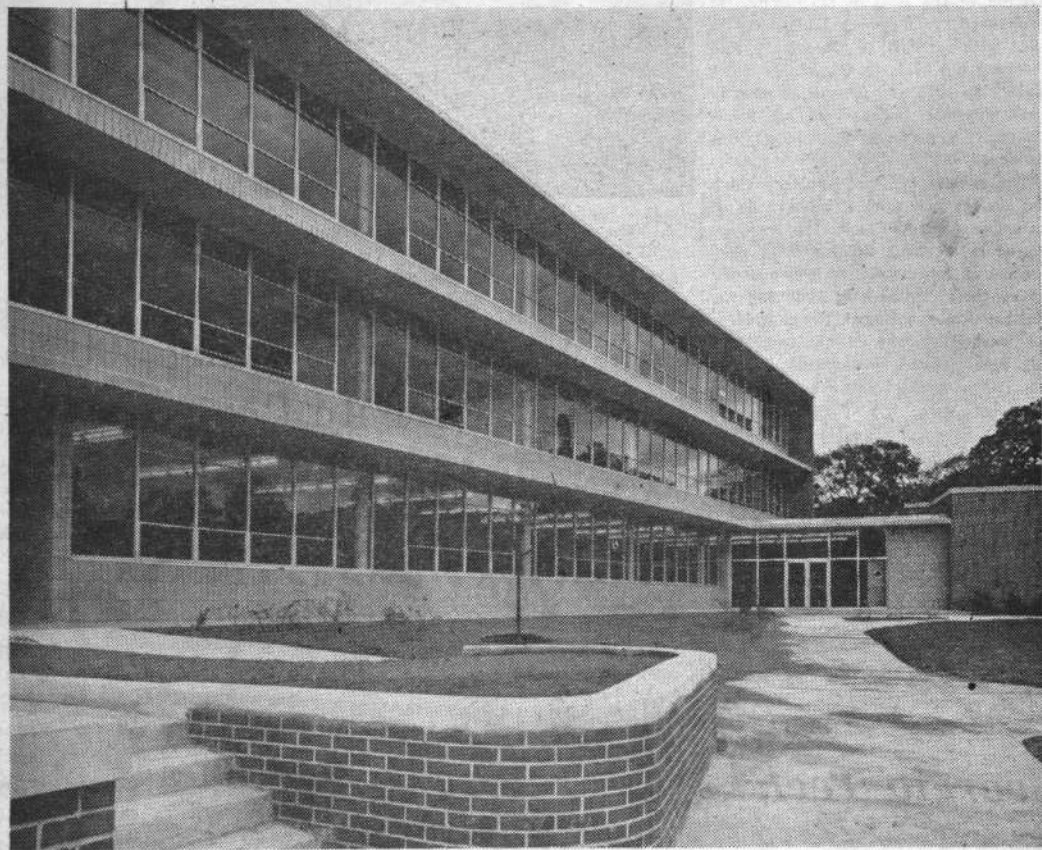


Hightower Textile Building Is Dedicated

Funds Contributed by Effort of Foundation



The W. Harrison Hightower Textile building is the product of the energy and ambition of Mr. Hightower and the Textile Education Foundation. Construction was commenced more than a year ago, but efforts to complete the building were dogged by strikes and inclement weather.

The ceremony of today opening the W. Harrison Hightower Textile building is a significant milestone in Georgia Tech's progress. Both Georgia Tech officials and the textile industry saw the need for a new building and modern textile machinery and equipment if the textile school was to maintain its high position in the field of textile education. Through the leadership and efforts of W. Harrison Hightower, Georgia Tech 1909, the Textile Education Foundation was created in 1942 by the mills of Georgia to promote and assist textile education at Georgia Tech and throughout the state.

Aid From Legislature Enabled Beginning of Textile School in 1899

The A. French Textile School gave the first instruction in textiles and textile engineering south of the Mason and Dixon Line in 1899. Since that time, the scope of instruction has been broadened and the school has developed in to definite asset.

Realizing the need for trained personnel for the rapidly growing textile industry of Georgia, the General Assembly in December 1897 appropriated \$10,000 for the establishment of a Textile Department at Georgia Tech. However, this appropriation was subject to the condition that the friends of the school should match it with an equivalent amount in money and machinery.

Large Donation

During 1898, nearly \$20,000 worth of machinery and about \$13,500 in cash were donated to Georgia Tech for this worthy purpose. Experienced mill architects were employed to prepare the plans for a building to house the classrooms, mill sections, and laboratories of the proposed Textile Department.

The successful creation of this textile course was due largely to the friendly interest of Mr. Aaron French, of Pittsburgh, Pennsylvania. He became interested in the project during the summer of 1897 and cooperated personally and financially in assisting Georgia Tech to meet the conditions imposed by the legislators. In commemoration of his generosity and his efforts, the Board of Trustees of Georgia Tech named the textile department the A. French Textile School.

Legislative Request

With the cooperation of legislative leaders, the Board of Regents of the University System of Georgia submitted a request to the 1947 General Assembly for an appropriation to construct a new textile building at Georgia Tech. The bill was actively supported by the Textile Education Foundation, Georgia Tech alumni groups and others. Although the bill itself was passed, no money became available when the general appropriation act containing the bill was shelved.

The sponsoring groups then turned to Governor M. E. Thompson, who, being convinced of the great necessity for the building, made a grant of \$850,000 from state funds towards its construction. The Board of Regents added \$175,000 to this amount and construction began in October 1947. Plans and designs for the new building were prepared by Bush-Brown, Galley and Heffernan, architects, assisted by James J. Pollard, consulting engineer. It is interesting to note that all of these gentlemen are members of the Georgia Tech architectural faculty. The general contractor was the Ray M. Lee Construction Company.

New Equipment Donated

Through the generosity of the Textile Education Foundation, more than \$350,000 was provided for new machinery for use in the new building. As a token of its appreciation to the Foundation and its membership for their efforts in obtaining the building in supporting textile education, Georgia Tech, with the approval of the Board of Regents of the University System of Georgia, is today dedicating the Harrison Hightower Textile Engineering building, a fitting memorial to the first president of the Foundation and to a distinguished alumnus.

Class of '50 Rings Are Now Available

A shipment of 1950 class rings has been received, and is now being distributed through the College Inn, according to Mr. R. B. Logan, manager. Students whose rings have arrived will receive a notice in their post office boxes, and it is requested that students do not inquire about their rings at the College Inn until they have received a notice.

Mr. H. S. Canfield, of Herff-Jones Company, will be at the College Inn on Friday, November 4, to take additional orders. Any complaints or inquiries regarding the quality of the rings should be addressed to Doby Kraft, Chairman of the Ring Committee, rather than to the College Inn. Kraft's box number is 5112.

New Textile Building Equipped With Modern Air Conditioning

By Clyde Brown

The new W. Harrison Hightower Textile Engineering building is equipped with a complete air-conditioning system of the most modern design, according to Mr. W. D. Adams, maintenance engineer of the new building.

Each laboratory located in the new textile building is equipped with a complete air conditioning unit. Both the library and the main office are cooled by one unit, while the auditorium is cooled by another. In all some 15 separate units, varying in size, are installed in the building.

Similar Design

Though all the units are not of the same manufacture, all are of essentially the same design and operation. Air is drawn into each machine from near the floor of the room in which it is located. The air is first filtered and then forced through a fine spray of cooled water. The water is the cooling medium used in the system. Mr. Adams explained that each unit contains two heating coils which warm the air in case it is cooled too much by the water spray.

Immediately after the air passes through the spray, it is drawn to the top of the machine and then forced by a fan through ducts to all parts of the room being conditioned.

The 14 larger air conditioning units used in the building were built by the Niagara Blower Company and the two smaller units used to cool the library, main office and auditorium were built by the Trane Company.

One Central Installation

Mr. Adams explained that all the cool water, with which the units in the building are supplied, is cooled by one central installation located in the basement of the building. The machine is a 150-ton Worthington air conditioning unit built by the Air Conditioning and Refrigerating Division of the Worthington Pump and Machinery Corporation.

The Worthington unit consists of a three-stage centrifugal pump, driven through a gear box by a 150 h.p. Louis Allis a.c. electric motor, a coolant condenser, and a cooling assembly.

In the operation of the unit, Mr. Adams went on to explain, the coolant, Freon 11 in liquid state, is drawn from the cooling assembly into the three stage pump where it is compressed again. The compressed coolant is then passed into the condenser unit. It is there that the coolant is condensed by cooling when it passes over pipes carrying water from a spray tower on the roof of the building. The Freon 11, in liquid form, then flows into the cooling assembly.

Assembly well Insulated

The cooling assembly is a large well insulated horizontal tank inside which are located three layers of copper tubes. It is through these pipes that the cooling water, used in all the units in the building, is passed. The coolant, flowing over the outside of the tubes, then absorbs the heat of the water flowing inside the tubes.

The entire system is fully automatic with the exception of starting and stopping the machines and regulating the desired temperatures.

The entire air conditioning system used in the new Textile Building was installed by the Engineering Contractors of Atlanta. Its cost is said to have been approximately \$145,000.

HALFTIME ACTIVITIES

Halftime activities by the Auburn band during the Tech-Auburn game tomorrow will feature the meeting of two mythical characters—Auburn's Prof. Staff and Tech's George P. Burdell.

Prof. Staff was created after so many Plainsmen wondered how this man Staff could teach all of the classes that the school catalogue had him signed for — as in Psychology 425 taught by Profs. Gluepot and Staff.

Weaving Division Offers Wide Variety of Courses

By Bill Dean

Among the departments in the new Textile Engineering building is the Weaving Department, which offers courses on everything from the basic study of cloths and yarns to the making of name tapes and labels. This department, headed by Mr. G. B. Fletcher, is also fitted into the plan of the graduate school, and has various courses for students who are interested in the more complex looms, and slashers.

Basic Initial Course

The first course is given to the study of the basic yarns and cloths, while the lab work deals with the preparation of a warp, beaming it, and drawing it in, in preparation for weaving. The student then places it on the hand loom and weaves several basic patterns. The next course takes up the study of some of the plain power looms. The classroom work is on the various motions and parts connected with each of the looms. In the lab, the student operates these looms and makes drawings and reports covering the operation of each. In the third course, a study is made of the more complex power looms such as the Dobby, Box, and Jacquard looms.

The student learns the automatic features and operations of these looms and their auxiliary motions. In addition, he studies the slasher, a machine which starches the fabric before the weaving, and other preparations of the warps for the weaving room. The graduate courses go deeper into the mechanics of weaving that are taken up in the undergraduate studies. They also work on cam design and the setting and timing of the more complex.

The new equipment consists of three of the latest model Draper 1x1 Box Looms. Model X-2 is the latest cam loom for light goods. Model X-P is the latest in a cam loom for working on heavy canvas and duck and model X-D is used for fancy goods. The department also has a Crompton-

(Continued on Page 16)

Don't Forget I. S. O.'s Gala Autumn Dance Tomorrow Night in The Gym

U.S. Textile Deans Journey To Britain for Conference

To broaden their knowledge of textile educational concepts, methods, and equipment a group of representatives of United States textile schools left October 6th on the Queen Elizabeth for a three weeks visit to England.

The trip is an extension of a program now in its seventeenth year, through which the heads of the U. S. textile schools have met semi-annually to discuss mutual problems. Heretofore, the meetings have been held at various cities between New Orleans and Quebec, Canada, and have been implemented by the interest and financial aid of the Textile Foundation. The trip to England will be financed mainly by the deans themselves, but with supplementary aid from various textile firms, individuals and organizations.

As guests of the Cotton Board of Manchester the deans will attend the Harrogate meetings of British textile manufacturers, the keynote of the sessions being "The Cotton Manufacturing Industry in a Changing World."

The group will also be the guests of Sir Raymond Streat, Chairman of the Cotton Board for a weekend at Buxton. This conference will be attended by a number of British educators, manufacturers and members of textile school faculties, and the occasion will provide the opportunity of intimate exchanges of information and opinion. A number of papers will also be delivered by British and

American educators on such topics as "The place of research in textile schools", "General organization of curricula, philosophy of textile training, future trends", "Administration, financing, plant and equipment of textile schools", "Textile executives' relationship to textile schools and placement of graduates". The general purpose of these and other subjects of discussion is to acquaint textile school heads and instructors with the methods and principles employed in the several systems.

Other scheduled events include visits to laboratories, textile schools, mills, and the Manchester exposition of textile machinery and accessories.

The textile school officials who are making this trip confidently expect that the results will further their constant aim to make available young men and women well qualified to meet the exacting demands of our alert and progressive textile industries.

Mr. Herman A. Dickert, director of the A. French Textile School, Georgia Tech, was planning to make the trip but was unable to leave Atlanta at this time

Dr. Walter C. Carter Joins Textile Staff

One of the latest newcomers to the faculty of Georgia Tech is Dr. Walter C. Carter, who has been assigned to the A. French Textile school as an assistant professor. He will be in charge of the Chemical Testing Laboratory in the new Hightower Textile building, teaching students the methods used in the chemical testing of textile materials.

Dr. Carter has an impressive background in the field of chemistry. He graduated from Emory University in 1941 with an A.B. in Chemistry, and received his M.A. in Chemistry from Emory in 1943 and from Princeton in 1944. In 1947 he received his Ph.D. in Chemistry from Princeton University.

The various types of projects which Dr. Carter has worked on will be of value to Georgia Tech. He was engaged in research dealing with electrical and thermodynamic properties of synthetic rubbers in 1943 for the Rubber Reserve Board. From 1944-46 he worked on the Manhattan Project doing chemical research in connection with the atomic bomb. After working with the Princeton University Research Project in 1946-47, concerning hydro-carbons, low temperature and high pressure and high vacuum techniques. Dr. Carter was in charge of the Chemistry Department of Oglethorpe University until ac-

(Continued on page 15)



—Photo by Cooper and Clear.

The completely modern auditorium in the Harrison Hightower Textile building is equipped with a projection booth and built-in screen. The room also incorporates air conditioning, cold lighting and comfortable theatre type seats.

New Auditorium Seating 300 Is Equipped With Projector

By Bruce Kidd

Just off the foyer of the new one and three-quarter million dollar Harrison Hightower Textile building is a completely modern auditorium capable of seating three hundred people. This auditorium is equipped with a movie projector and built-in screen.

The room atmosphere is completely controlled by a master air-conditioning unit but can be set to desired temperature independent of the rest of the building. The room is extremely well illuminated by Westinghouse cold lighting. All the fixtures are built into the ceiling to blend with the room's modern architecture.

The auditorium's three thousand square feet of floor space is taken up by three hundred sofa-soft theatre type seats made by the American Seating Company. The speakers platform is also equipped with twelve seats of this same design.

Due to the style and size of the room, it bears a close resemblance to a large radio network studio. Its all metal doors greatly enhance it and also add to the studio effect. The auditorium walls are finished in mahogany plywood panels.

Available to Groups

Use of this auditorium has not been limited to the Textile School, nor will it be tied up with classes frequently. Dean Narmore, as chairman of the committee on the Textile Auditorium, has announced that the room is available to campus groups according to the following regulations:

1. The primary use of the auditorium will be for the academic departments of Georgia Tech, faculty meetings, and meetings under the direction of the Extension Division.
2. The School of Textile Engineering has priority in the use of the auditorium.
3. The use of the auditorium for non-school purposes will, in general, be restricted to groups allied with Georgia Tech.
4. Only meetings for two hundred or more will be considered for outside organizations.
5. The auditorium will not be available for any activity which would schedule meetings regularly.
6. Night meetings will not be permitted in the auditorium at present because of lack of personnel and because of the cost involved.
7. Organizations using the auditorium will be required to pay for any damage to building or equipment.
8. The Georgia Institute of Technology will not be responsible for injury to people using the auditorium.
9. Responsibility for booking the auditorium will be assumed by the Director of the Textile School.

A Salute to Georgia Tech on the Dedication of the Harrison Hightower Building Opening a New Era in Southern Textile Education



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Dedication Program

FRIDAY MORNING 10 A.M. - 12 NOON—Registration and Open House in Harrison Hightower building. Guided tours through building and description of machinery and equipment by representatives of manufacturers.

FRIDAY 12 NOON - 2 P.M.—Informal Luncheon in Brittain Dining Hall on Georgia Tech Campus.

FRIDAY AFTERNOON—2 P.M. - 4 P.M.—Ceremonies in Auditorium of Harrison Hightower building.

Introduction of Master of Ceremonies, Mr. N. Barnard Murphy, President of the Cotton Manufacturers Association of Georgia, Past-President of the Textile Education Foundation, Inc., and Vice-President and General Manager of the Riegel Textile Corporation, Trion, Georgia.

Invocation by Dr. Herman L. Turner, Pastor of the Covenant Presbyterian Church, Atlanta, Ga.

Introduction of Distinguished Guests.

Remarks by Dr. Raymond R. Paty, Executive Director of The Rich's Foundation, and former Chancellor of the University System of Georgia.

Address by Dr. Blake R. Van Leer, President of the Georgia Institute of Technology.

Address by Mr. James C. Platt, President of the Textile Education Foundation, Inc., and Vice-President of the Chicopee Manufacturing Corporation of Georgia, Gainesville, Georgia.

Tribute to Mr. W. Harrison Hightower by Mr. W. N. Banks, President, Grantville Mills, Grantville, Ga.

Unveiling of Plaque by Master W. Harrison Hightower III, grandson of Mr. Hightower.

Benediction by Dr. Herman L. Turner, Pastor of Covenant Presbyterian Church, Atlanta, Ga.

FRIDAY AFTERNOON—4:30 P.M. - 5:30 P.M.—Reception and Tea by Colonel and Mrs. Blake R. Van Leer at the President's Home.

FRIDAY EVENING—7:30 P.M.—Banquet at Biltmore Hotel—Informal dress. Toastmaster—Dr. Blake R. Van Leer, President of the Georgia Institute of Technology.

Blessing—Rev. Milton Richardson, Rector of St. Luke's Episcopal Church, Atlanta, Ga.

Musical Selections by Members of the Georgia Tech Glee Club.

Introduction of Distinguished Guests.

Address: "Partnership of Industry and Education Toward Progress" by Colonel Elbridge W. Palmer, President of Kingsport Press, Kingsport, Tenn., and Regional Vice-President of the National Association of Manufacturers.

National Textile Group Installs Sixth Chapter on Tech Campus

By John Bell

On Friday, September 30, Delta Kappa Phi, national textile fraternity, was installed on the Tech campus. Theta chapter, as the local group is designated, is the sixth chapter of this fraternity. Other chapters are located at Philadelphia Textile Institute, Rhode Island School of Design, Lowell Textile Institute, New Bedford Textile Institute, and North Carolina State.

Delta Kappa Phi was founded at Philadelphia Textile Institute in the year 1899. The purposes of this fraternity are: "The promotion and encouragement of a fraternal relationship among its members, the furtherance of social enjoyment among its members, and the advancement of interest of its members in acquiring a thorough education in textiles especially, and liberal education generally."

The installation of the Tech chapter took place after a banquet at the Cox-Carlton Hotel. Among the guests were Mr. Lewis E. Feneaux, national president of Delta Kappa Phi; Dean George C. Griffin; and Prof. H. E. Dinkard of Ga. Tech. Representatives from the North Carolina State chapter, including their president, were present at the banquet.

The local group will be composed of junior and senior textile students. During the first year a point average of 2.25 will be required; after one year the requirement will be

raised to 2.5. The officers named were Bob Parham, president; Louis Erbsstein, vice president; Robert Sarfaty, treasurer; Burton Finch, secretary. Prof. Gerald Fletcher of the School of Textile Engineering was chosen as faculty advisor.

AATCC Convenes; Officers Selected, Future Plans Given

The Tech Chapter of the American Association of Textile Chemists and Colorists held its first meeting of the year Thursday, October 6, in the new Hightower Textile building of the A. French Textile School.

Increased interest in this organization is shown by the rapid growth in membership. At the end of the summer quarter the active membership had become very small because of the graduation of senior students in June and September. However, during the first few weeks of this quarter thirty-four new members were added to the chapter. This group is evidence of an increased interest in the dyeing and finishing phases of the textile industry.

The new officers elected for the coming year at the October 6 meeting were: J. E. Collins, president; J. D. Ellington, vice-president; Ed Murray, secretary; R. R. Stewart, treasurer; and C. L. Henry, program chairman.

It is proposed to have future meetings and functions in the auditorium of the new textile building every second

(Continued on page 15)

Background of Textile Faculty Features Variety of Experience

By Wally Gambill

The educational background and experience of the present faculty of the A. French Textile School is quite broad and varied.

The school's director, Mr. Herman A. Dickert, received an A.B. at Newberry College in 1923 and an M.A. at the University of North Carolina in 1924. He was with the DuPont Company, engaged in development work in the rayon department from 1925 to 1945 and has been director of the textile school from 1945 to the present.

Professor C. A. Jones received a B.S. in textile engineering from Georgia Tech in 1904 and did further work at M.I.T. in 1930 and 1932. He has been on the faculty of Georgia Tech since 1906 and has done research work for Hercules Powder Co. and

Carbon and Carbide Chemical Co. Professor Jones held the position of director from 1930-1945.

Professor J. L. Taylor is the possessor of an A.B. from Wesleyan (1929), an M.S. from Syracuse (1932), and a Ph.D. in chemistry from the University of North Carolina (1944). He has been with Georgia Tech since 1935 and is at present a faculty research associate at the Engineering Experiment Station. He has put out four technical publications on textile

processes.

Associate Professor R. L. Hill received a B.S. and an M.S. in textile engineering from Georgia Tech in 1924 and 1948, respectively. He has been associated with the Clark Publishing Company and the Lancaster Cotton Mills and has been with the textile school here since 1926. He is also doing part-time research on a flax project at the Engineering Experiment Station.

Associate Professor G. B. Fletcher has a B.S. in textile engineering from Georgia Tech, which he received in 1932. He has been with the Pepperton Cotton Mills as a cooperative student, the Bibb Mfg. Company; the U. S. (Continued on page 15)



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Sun. Afternoon Concert With Burl Ives Planned

On Sunday afternoon, October 16, Burl Ives, nationally-known folk singer, actor, and author, will appear at Tech under the auspices of the Student Lecture and Concert Committee. The concert, which will be held in the gymnasium at three o'clock, will present Mr. Ives in a program of folk songs and ballads known and enjoyed throughout the world. Known as "America's Mightiest Ballad singer," Ives possesses a repertoire so extensive, it is said, that he can sing for many performances without repeating a single song. Raised on a farm in southern Illinois, Ives was first exposed to folk music through the singing of his family, so that he obtained a considerable musical background at an early age. He made his first public appearance as a singer at the age of four, it is said, but his career did not begin in earnest until the day many years later when he suddenly abandoned his college career and set out through the midwest with his banjo, touring the small towns and villages, and earning his way by entertaining at local gatherings.

Ives Demonstrates Acting Ability

Eventually, "The Wayfaring Stranger," as he is often called, arrived in New York, where he is said to have experienced many discouraging months before success began to come his way. It was during this period that Ives began to demonstrate his acting ability. He played roles in such hits as "The Boys From Syracuse," "I Married an Angel," and "This Is the Army," followed by an appearance in "Sing Out, Sweet Land," a folk song history of America.

The program will consist of three

groups of songs. In the first are the selections "Little Mohee," "Ravin' Gabbler," "I Know Where I'm Going," "Bonnie Wee Lassie," "John Hardy," and "Lolly Too Dum Day." "I Know My Love" will begin the second group, followed by "The Farmer's Son," "Lord Randall," and a group of three songs—"Would That I Were in Balandarie," "Do You Know My Dolly?" and "Colorado Trail." Also in this group will be "Bold Soldier," and "Brennan on the Moor."

Concluding Songs

Following the intermission, Ives will conclude the program with the selections "Crocodile Song," "Troubadour Song," "As I Was A Walking One Morning for Pleasure," "Duke Marlborough Has Gone," and "Frankie and Johnnie."

The concert is the first in a series to be sponsored by the Lecture and Concert Committee. Future attractions will probably include the Atlanta Symphony, the Don Cossack Chorus, the Tech Band and Glee Club, and perhaps a stage presentation, according to Doby Kraft, Student Chairman of the committee. Other members of the group are Mr. Paul M. Heffernan, chairman; Mr. Walter C. Herbert, and Mr. John J. Nugent, faculty members; and Estes Mann, George Nalesnik, and Buddy Shields, of the student body.

Glee Club Completes Tour of Concerts

The Georgia Tech Glee Club, in accordance with its policy of continually increasing public appearances off the Tech campus, completed its second annual concert tour of the eastern United States early this summer. Featuring appearance in North and South Carolina, the tour was climaxed by theater performances in Washington and Baltimore. In addition to the five scheduled shows in Baltimore, the Glee Club was also featured on a radio broadcast and a television show.

The "Ramblin' Reckateers" spent three days in Washington enjoying many of the sights and activities of the capital city, during which time they were honored by a buffet luncheon given by Mr. Carter Baron, a Tech alumnus and district supervisor of Loew's Theaters for the eastern states. Following the luncheon, impromptu entertainment for the other guests present was furnished by various members of the club.

In addition to the annual extended tour, the Glee Club will present frequent concerts in other colleges and towns in Georgia and neighboring states. Such an appearance is planned next November 4th at Brenau College. The program will be highlighted by the presentation of the rousing hit tune "Dames," from the new Rogers and Hammerstein Broadway production, "South Pacific."

Other plans yet to be disclosed are in store for the Glee Club during the coming years. Those interested in auditioning for the club may do so by contacting Mr. Walter Herbert at the Tech Y.M.C.A.



—Photo by Cooper and Cleare.

The new textile library has extremely good illumination from windows and fluorescent lights. Books are arranged on easily accessible shelves for the students' convenience.

Up-to-Date Library Included Among New Building's Features

—By Tom Jenkins

Inside the walls of the new Textile building, a library has been built and furnished for the use of Textile students. This library is the most modern and up-to-date on the Tech campus. It has four large windows of approximately twenty square feet each that furnish adequate sunlight for all the study tables. Bob Barnes, student librarian, has complete charge of all books and periodicals checked in and out. The library has a very fine log of periodicals from leading textile cities of the world, such as: Manchester, England; Lyon, France; and Stuttgart, Germany.

Current Periodicals, Books Kept

Current issues of periodicals and all books will be kept in the new library, within easy access of the student. The back issues will be bound and kept shelved in the new library also. The majority of these books were moved from the library and departmental library this past week by Bob Barnes.

Entering the library through spacious doors, the large windows opposite take one's attention away from the librarian's desk to the right. Situated in the middle of the floor in the north portion of the room, surrounded by many periodicals and shelves that contain articles on all types of weaves, colors and related subjects, the librarian commands a view of all the books and periodicals.

Periodicals Have Colored Plates

Some of the more interesting periodicals have colored plates that date back to the time of Alexander. One such illustration is "From Alexander's Day to the 19th Century." Colors presented in such publications as these are well worth the time that one has to take to study and appreciate them. Japan also furnished a collection of plates that are well worth examining. Characteristic of the Oriental style of writing, the plates are on the back side of the page, or left hand side. The writing as well is backwards, that is, it goes from right to left. The plates in this publication are done in watercolor and furnish the reader with a very good example of the Japanese type of work—so realistic that one has the con-

(Continued on page 16)

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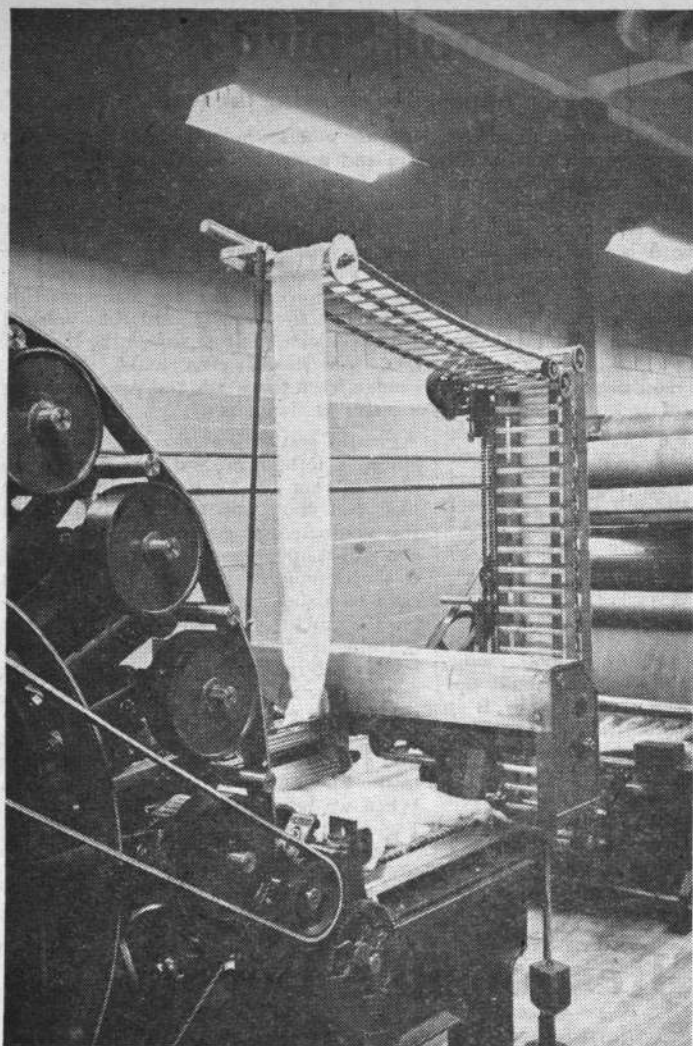
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desk, main building. It belongs to a professor and is urgently needed.

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5 Blocks North of Tech



Here is a portion of the new and modern Yarn Manufacturing Department of the Hightower Textile building.

Yarn Manufacturing Facilities Additional Equipment Improves

The Yarn Manufacturing Department of the A. French Textile School, where fibers are prepared for spinning and subsequently spun into yarn, is now equipped to handle nearly all types of textile fibers. Occupying the entirety of the second floor mill area in the new building, the department possesses more equipment than any other textile department. Although the department was formerly able to spin only cotton, the new building features complete set-ups for the processing of wool, and also for the handling of long staple fibers up to six inches in length.

New Machinery

The new equipment for processing wool is as follows: a wool mixing picker, a cylinder set of wool picking cards, a wool ring spinning crank, and a worsted ring spinning crank. The equipment used in processing long fibers consists of a rayon picker, a roller top card, two wide setting drawing frames, three wide setting roving frames, two wide setting spinning frames, an Atwood number ten ring twister, and an Atwood 110 up twister, all of which are new machines. This equipment is capable of handling fibers up to six inches in length, including the artificial fibers rayon, orlon, and nylon.

Hill Heads Department

Professor R. L. Hill is the head of the Yarn Manufacturing Department, his assistant being Mr. R. L. Hearn. According to Professor J. W. McCarty, who was in charge of moving the equipment from the old building to the new, three-fourths of the old equipment was moved, and thirteen new pieces of machinery in addition to those mentioned above were installed.

Architect's Book Lost

Last week a student picked up by mistake a Italian book about architecture, "Costruzione Raz. Della Casa", in the Reck Grill. This student is requested to deliver the book as soon as possible at the information desk, main building. It belongs to a professor and is urgently needed.

Chinese Club Fetes Double 10th Holiday In Gala Celebration

The Chinese Club of Georgia Tech held a party last Saturday evening, October 8 at St. Mark's Church Hall in celebration of "Double Tenth," the Chinese National Day. It was the first meeting of the club since the beginning of the fall quarter.

Chinese food, prepared by Mr. and Mrs. Chou, was served. The program directors, George S. Y. Poon and F. W. Cheng, planned a wonderful recreational program that kept the party alive for more than two hours. Social and folk games were led by Wai Mun Syn. Two Chinese folk songs sung by the Chinese students and a special number by Misses Norma Wang, and Helen Chiu, two Chinese girls from Agnes Scott, highlighted the evening's program.

Among those present were Dean Narmore, the faculty adviser, and Mrs. Narmore; Dean Griffin, Prof. Woodward, foreign students adviser, and Mrs. Woodward; Mr. Kendall Weiseiger, Rev. B. C. Speers, director of Ga. Tech Wesley Foundation and Dr. Horton, the new pastor of St. Mark's Methodist Church.

The following officers were elected at the first business meeting of the year held on September 30: Wai Mun Syn, president; Zenon C. Chen, secretary and treasurer; F. W. Cheng and George S. Y. Poon, program directors.

Col. Zsuffa Honored By Arbitration Group

Leslie F. Zsuffa, Director of Public Relations for the Georgia Institute of Technology and a registered professional industrial engineer, was named this week to both the national panel of arbitrators of the American Arbitration Association and the national labor panel of the Federal Mediation and Conciliation Service.

Prior to his coming to Atlanta, he was active in the fields of industrial relations, transportation, mass-production manufacturing, plant layout and planning, and work simplification. Mr. Zsuffa holds membership in the Society for the Advancement of Management, American Society of Mechanical Engineers, Georgia Society of Professional Engineers.

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THE PICKRICK

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Capacity Crowd Expected For I.S.O. Autumn Dance

Tickets for "An Autumn Nite," an informal dance to be presented Saturday evening by the Independent Student Organization, are still on sale at the Information desk in the Administration building or from any ISO member, priced at \$1.50, stag or drag. The dance, featuring the music of the well-known Auburn Knights, will be held from eight to twelve in the Tech gym, and is expected to draw a capacity crowd, according to Gene Franklin, treasurer of the group. All students are cordially invited to attend.

Highlighting the evening's entertainment will be the vocal work of the lovely and talented Miss Faith Gibson, and the singing of the Knights' promising new male vocalist, Bob Ware, as well as the great number of orchestral arrangements which have gained for the Knights an enviable reputation throughout the Southeast. Their versatility, enabling them to play frantic Kenton arrangements and smooth, dreamy ballads with equal effectiveness, have won them many devotees during their previous performances here at Tech, and according to reports, this function will be no exception, as the eighteen piece combo is said to be in top form.

"An Autumn Nite" is the first major dance of the school year, and also the first of a series which the Independent Student Organization hopes to present before next June. Open to all Tech men, such functions

are held expressly to provide recreation and enjoyment for the students, especially those who do not have the advantage of fraternity membership, stated Franklin.

Proceeds from this, and from future functions of a similar nature, will be used to help finance worthwhile projects which the ISO is carrying on, such as the student lounges in Glenn and Smith dormitories, which were recently created by the conversion of rooms formerly used for storage of baggage, having been painted

(Continued on Page 16)

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Published semi-weekly by the students of the Georgia Institute of Technology, 225 North Ave., N. W., as an expression of student news and opinion only. Letters to the Editor and signed articles represent the views of their writers and not necessarily those of the editor.

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CONGRATULATIONS

... to Tech's newest, the Harrison Hightower Textile building.

This year marks the fiftieth anniversary celebration of the A. French Textile School of Georgia Tech and The Technique hails proudly the latest addition to Tech's improvement and expansion plan.

The Harrison Hightower Textile Engineering building has been completed at a total cost of one and three-quarter millions of dollars worth of building, equipment, and machinery. The modern functional building includes the latest types of building materials and is equipped with the most up-to-date textile equipment and machinery. It is without a doubt the most modernistic and most beautiful building on campus.

The history of textile engineering here at Tech is an interesting one. Realizing the need for trained men in the speedily growing textile industry in Georgia, the State Legislature in 1897 appropriated \$10,000 for the establishment of a Textile Engineering Department here at Tech. In addition, about \$20,000 worth of machinery and \$13,500 in cash was contributed to the school. The first instruction in textile engineering south of the Mason-Dixon line was given at Tech in 1899.

In the fall of that year a regular course leading to the degree of Bachelor of Science in Textile Engineering was installed. The Master of Science in Textile Engineering has been offered Tech students since 1925.

The opportunities for trained people in the textile industry are great and numerous. There are today few industries which offer as many chances of success to young people who are prepared for responsible

positions. Positions are available as designers, salesmen, chemists, engineers, overseers, laboratory technicians, inspectors, and specialists in machine operation and efficiency, personnel problems, time studies, testing, merchandising, and product development. Research in the fields of raw materials, machine design and manufacture, dyeing and color, and in the management and business problems of the industry is available for those interested.

The textile industries rate second among all industries with more than fourteen hundred establishments, employing over one million workers, and turning out approximately six billion dollars worth of goods annually. About 1,600,000 cotton-farming families are also directly dependent on the textile industries for their livelihood.

Realizing all this, the technical engineering curricula at Tech have been designed to give every student in that school the best possible training and advice in the textile field. The measure of Tech's success can best be judged by the accomplishments of its graduates. Tech has accomplished much in its service to the textile industry in general and to the Southern industry in particular. Its graduates are among the foremost progressive mill owners, high executives, and administrators of the leading textile mills in the country.

The A. French Textile School has done an outstanding job and we look confidently to an even better job in the future from its new modernistic environment.

—DWU.

IT'S SO DISCOURAGING

Students fail to cooperate to make flashcard section a success.

In the spring of this past year, the White and Gold Club was formed to sponsor the Tech Flashcard Cheering Section. Composed of a limited number of spirited and hard-working students, the members of the club worked feverishly throughout the summer and during the early days of the fall quarter. In total, some 300 hours and 250 dollars were consumed in preparing for the '49 flashcard section. Last Saturday afternoon, you saw the regard given these men by the members of the section—a complete and discouraging failure.

Yes, after the great and untiring efforts of these men, Saturday's flashcard program was unsuccessful, one of the most stirring examples of utter lack of cooperation that we have ever seen on this or any other campus. To begin with, the White and Gold made a simple business bargain with the student body. In exchange for a few brief minutes of their time each game, the students were given the choicest seats in the stadium, seats which they could never have held had it not been for the flashcard section. All the White and Gold sought was but three minutes of the students' time. Each trick lasts only 30 seconds and "no tricks are given when the game is in progress. Could this be unfair to ask of the students?

As a result of this lack of cooperation, wholesale confusion resulted. Truly enough, the loud speaker system was not adequate and the band did scuttle the first attempted trick, but still and all, the performance Saturday could have been successful if everything had operated according to plan. There were approximately 1,800 students in the section which was designed to hold a little over 1,500. Since the entire success of the tricks depends upon the correct horizontal or vertical position of each

card, surely you can see why the tricks failed.

Let's take a look behind the scenes and see who these extra 300 men were. Many of them were students who had inferior seats and who wanted to sit on the 50. Quite a few men, however, were freshmen with end zone seats who sat in the card section with their rat-caps in their pockets. My, but these freshmen have become bold this year!! Perhaps a little conference with the Freshman Rat Court will put an end to these practices. With all these men occupying flashcard seats, many men who were signed up for the section and arrived a bit late were unable to get to their seats. As you can see, the flashcard section cannot function in this manner, so drastic steps must be taken at future games. Only by stern disciplinary action will some students be able to see the light.

Tomorrow, as in all future games, every seat will be checked by officials at the end of the first quarter. This time limit was adopted to allow for traffic tie-ups, etc. If any upper classmen are found in the wrong seats, they will be turned over to Dean Griffin who has promised stern action. If any freshmen are found in error, the Ramblin' Reck Club and the Rat Court have suitable punishment ready to be applied. Since you can see the handwriting on the wall, why tempt fate? In addition this week, an adequate sound system will be provided, and cards will be placed on each seat instead of each man having to pick up his card. The section leaders are making every effort to make matters easier for the students so why can't you all try your best to make the flashcard section successful? Your cooperation is desperately needed; why not put out your most earnest efforts to aid in the success?

—LSF.

What, No School Spirit?

Are the upperclassmen opposed to cheering the team to victory?

You will probably take a glance at the caption above these few words and say to yourself that here they go again with one of those oft-written essays on school spirit. You'll also probably decide not to read any further because it is more than likely those overused ideas. Well, before you turn the page completely, how about giving a glance to what follows herein?

During the entire Tech-W&L game last Saturday, the Tech senior cheering section put on one of the most disgusting and disgraceful examples of lack of school spirit and team support that we have seen in four football seasons at the Flats. Perhaps in our freshmen days, we followed the wrong course when we faithfully memorized and sang the spirited words of "Ramblin' Reck" and "Up With the White and Gold." No doubt we were in a vast minority for, as demonstrated Saturday, not even a good half of the students in the senior sections bothered to sing these songs. The vast majority felt it a much-too-bothersome chore to exert themselves and stand up. What's the deal, you seniors? Why is it that you have lost almost all of that spirit supposedly instilled in you during your freshman days?

Now that you have read this far, you already feel that you can answer those questions. You're a veteran, you say, and you spent many weary months and years on battlefronts throughout the world. That's no fair answer, men, for all around

you are others who served just as long as you and probably longer, and who are as full of spirit as those lowly freshmen below waving their rat-caps. With this question successfully rebutted, you state now that you are married. Well, that's no excuse; that's a reason for showing and emphasizing your spirit. There are many married lads at Tech nowadays, and thus being a "hubby" doesn't excuse you in the least. In fact, you should even make the little woman learn the words and you could sing together at the games.

Finally, you will say that you are an engineer, a technician, and that there is no place in your life for songs, yells, and the like. You don't stop to realize that when you graduate and go out into the world, you will want to become part of the spirit of the community in which you live. You can't be a slide rule and a book of formulae all your life. Let's face it, men; let's not continue to dream up these lame excuses, but let's all resolve that we'll do everything in our power to aid and increase spirit at the football games. Coach Bobby Dodd recently told the freshmen that Tech's victory over Vanderbilt was due in a large measure to the student body's support of the team. When we hear that familiar cry of "War Eagle" this week, let's really show the Auburn students true school spirit and keep it up until the final whistle has blown.

—LSF.

He's a Responsible Person

... but the student is given little responsibility for his education.

(The following is an excerpt from the opening address delivered to the National Student Association by President Harold Taylor of Sarah Lawrence College.)

In the past ten years, the American college student has shown that he is a responsible person. He has handled his own affairs. He has chosen a career. He has worked his way through college. As a student, he has edited newspapers, run businesses, fought a war, chosen a wife, married her, supported a family, voted for a president. But during these years, while young men and women in college have been doing all of the things which adults do, they have been treated, for the most part, as intellectual children.

The student has been given very little responsibility for his own education. It has been organized for him by trustees, Boards of Regents, faculty committees, alumni committees, legislatures, businessmen, newspaper publishers, college presidents, parents, and educators. Almost everyone in America, including the Communist party and the American Legion, now wants to help in organizing college education. Everyone seems to feel that it needs more organization and supervision, so that the student, who is conceived as an innocent late-adolescent, will not be harmed by the excitement of thinking and acting for himself.

A whole host of the uninformed have accordingly risen to form themselves as an over-all American Committee dedicated to protecting American college students from themselves, and to preventing lively growth in their political and social maturity. It has become a national conviction that ability to function as an executive in any branch of business, industry, banking, newspaper, or political life equips a person to reform education. All those who have thus interested themselves in the sanctity

of the American college have lined up together with one great handicap in carrying out their enterprise. They are, for the most part, unaware of the interests, talents, capacities, and maturity of the present American student. This lack of awareness is, in some degree, shared by educators and faculty members who are responsible for the formal organization of the college program.

It is because of the lack of close relation between all the planners, academic and non-academic, and the acting, thinking, learning student in each college, that the student has not been given the responsibility he is ready to take. He is presented with education already systematically organized into credits, units, grades, majors, courses, curricula, lectures, tests, mimeographed sheets, grade-point averages, and other educational preventatives. The American student is accordingly over-organized. Under the present system of mass education it seems possible that he may disappear into the organization, and become lost as an individual.

The story of student life in America is one of gradual emancipation from the intellectual and social controls of the educational system, and from economic circumstances which have prevented the wider spread of higher education for all. From an informal look at the history of students in America, I would say that on most social questions and on most educational questions, the students have been ahead of the educators in suggesting liberal reforms which eventually have been proved wise in adoption. It was due to the pressure of student interest and need that the elective system came into effect. It was due to the interest and activity of students themselves that student government and organizations have become such an important part of university life.

TECHNIQUE PLATFORM:

1. Student voice in matters of student interest.
2. Encouragement of school spirit.
3. Better orientation and vocational guidance.
4. More participation in the intramural sports program.

5. Promotion of active campus organizations.
6. Erection of an adequate library.
7. Erection of a Student Union Building.

The Technique will at all times attempt to represent the best interest of the students in current discussions and controversies.

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Friday Afternoon, October 14, 1949

THE TECHNIQUE, ATLANTA, GEORGIA

7

THE ANCIENT HAZING PROBLEM

... is battled once again by South Carolina school officials.

The question of what constitutes "hazing" of freshmen or what does not has been a red-hot issue among enterprising upperclassmen for the past couple of weeks. So, leading with its right, The Gamecock offers the following facts in an attempt to clear up any misunderstanding in the matter:

After a series of protests from students concerning a circular on "hazing" distributed and posted on every dormitory bulletin board by his office, Dean of Men J. B. Jackson ordered a meeting of the Discipline Committee (all male) Tuesday morning to discuss the matter.

The committee decided that "hazing" cannot be exactly defined—it's a flexible thing. It was pointed out that any Carolina student should have a pretty clear idea of what constitutes "hazing."

The school's regulations specifically says: "application of any physical violence shall be construed as hazing."

In the notice posted all over the campus, Jackson stated he hoped old students would be sure to take this notice to heart, as subjecting a new student to any indignity can be regarded as hazing.

Jackson stressed the fact that according to South Carolina law a student engaging in hazing is subject to expulsion.

"It is only the extreme cases which will cause action by the Disciplinary Committee," Jackson said. "This office is not trying to discourage initiation of freshmen, but we're merely reminding the old students that excessive 'hazing' will be severely dealt with by the Disciplinary Committee. The wearing of rat-caps, shaving of heads and other initiations are a good thing for the school's morale, but their purpose is defeated when student's misuse their authority."

We believe that a lot of unnecessary criticism has been passed out by disgruntled parties on both sides. "Ratting" hasn't become a problem here yet and it won't until students go to extremes.

Clipping hair isn't a serious offense, this Jackson admits. Therefore, everyone should be happy about the whole affair. The hair-cutting is just an excuse for upperclassmen to remind the "rat" to wear his rat-cap. If the practice were harmful to the freshman, and in some cases it might be, either mentally or physically, then it should be discontinued. But, it has been proven to be a workable initiation by America's foremost institutions—the Army, Navy, Marines, etc. It should work here.

—The Gamecock.

IN GRATEFUL APPRECIATION

Stuttgart student expresses his happiness upon entering Tech.

Editor, The Technique
Dear Sir:

May I take this opportunity to give my best thanks to the whole student body of Georgia Tech for my being here, since it is impossible for me to thank every single student who has helped me to realize this scholarship. I would like to give my special thanks to Dean Griffin, the professors, and students of the World Student Fund Committee which arranged this excellent opportunity to form a link in international agreement.

I am also glad to convey to you the greetings from the president of Stuttgart Tech, Magnificens Prof. Dr. Schmitt, and

from Stuttgart Tech's student body. They wish me to give you our utmost gratitude for the adoption of our school and for your active work in helping us. The gift of clothes you sent over to us was distributed to those students who have to earn their study by themselves. You can be sure that it is really a great help for us to have your aid.

I am anxious to do my best to confirm the relations between Georgia Tech and Stuttgart Tech because I think the spirit of varsity and faithful friendship are a better cement than any pacifist movements and treaties of peace. Stuttgart Tech greets Georgia Tech.

MAX BAECHER.

Many Offices, No Officers

LSU students are confronted by an unusual political situation.

Somewhere along the line of student governmental development at this University, a whole group of orphans was spawned. A bevy of 76 political offices are up for the taking, but no one wants them.

Only 15 candidates bit at the political bait dangling in front of their eyes, and it's causing not a little bit of embarrassment and biting of nails among campus officialdom.

Already the student council's action on election dates had to be revised and a special meeting of the election board called to consider the situation.

Result: earlier action was cancelled and election dates and filing deadline, both perilously close to constitutional limits, were extended another week. As it is, the constitution specifies that elections be conducted within the first five weeks of school, but the emergency measures lap the period between the filing and the last election one day over the constitutional requirement.

It probably isn't at all surprising that more enterprising collegiate politicians haven't taken advantage of the chance at a student office. After all, the offices open, for the most part, are merely honors, and not highly esteemed at that.

The president of each class of the various schools and colleges by virtue of his position is automatically a member of the student senate. Whether that would be an honor or not is certainly debatable.

The attitude of past student senators toward their duties can cast some light on that question: many of them don't even bother to attend the senate meetings. More often than not, their proxies, some secured at the last minute, know more about what is going on in the senate than the members themselves.

And the senate is notorious as a do-nothing body. Of course, it could be different if conscientious persons were elected to the offices. This year, so far, it looks as though there aren't even any persons, conscientious or not.

As for the minor offices of the colleges and schools—and you can't get much more minor than they are—they are not even

further mentioned in the constitution after the provisions for their election are made. Function? They have none, unless it is to succeed to the next "office" when unexpectedly vacated. The necessity of such a so-called function is moot, too.

From this angle, it looks like the student offices coming up for filling are, for the most part, superfluous and useless. If they were to be abolished, student elections could probably be more easily conducted. Certainly student voters would be more responsive if they were not confronted by a long formidable list of offices and names on which to cast a vote.

These are the offices that attract the "dead-heads," the key-twirlers and the self-styled "big-wheels." These are the offices that help student government to bog down in its own unwieldy helplessness and clumsiness.

Do away with all the political parasites and student government will improve.

Orphans? No, on second thought, these are the step-children.

—Daily Reveille.

Needed, Cartoonist

Don't miss this top opportunity.

Its not often that we place advertisements on the editorial page but here's one which we consider of sufficient importance.

We of The Technique need a cartoonist. We need a man who is really top rate, who can handle both humorous and political cartoons. The humorous ones must be the type which will be amusing to Tech students. We shall need political or editorial cartoons only infrequently but we do need a man who can express himself well.

There is a certain pecuniary consideration in addition to the prestige offered by a position on the campus' top publication. If you think you possess the necessary qualities, drop by Technique meeting Monday night at seven in the basement of the YMCA.

—DWU.

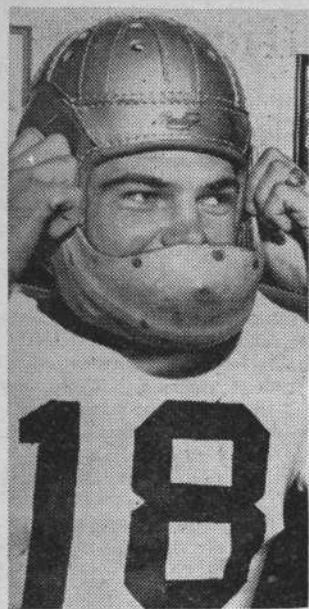
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Pope Protects Jaw With Creation by Trainer Andel

By Paul Barnett, Jr.

This past Saturday at the Washington & Lee game, spectators got a look at the latest in football head gear—at least for wearers who own broken jaws and the such. This new design for a face guard was developed by Tech's own trainer, Buck Andel.

Ewell Pope has been the guinea pig since the Vanderbilt game, when his jaw met with something that shouldn't have been there. Pope, an outstanding veteran guard in the Jacket forward wall, is not only remembered for his fine play during the Commodore game, but also for the "guts" he showed in playing much of the game with one side of his jaw broken and finally coming out with a double fracture and several missing teeth.

In no time at all Mr. Andel had designed an ingenious type mask to

fit on Pope's helmet. Made from a tough material that won't bend and covered with leather, the guard is cut and formed in such a way that it stands out 1½" from the face and follows the shape of the chin.

Great Improvement

This is a noteworthy improvement in that it affords much more comfort and protection than the former straight shapeless guards.

Covering from a little below the chin, almost to the nose, the mask fits on the sides of the helmet where it is fastened with a stationary and removable bolt on each side. When the removable bolts are removed the guard may be swung up and the helmet removed, otherwise the guard is held firm to the helmet.

Approval for using such a mask was obtained from the Secretary of the SEC, and as to design for comfort

and protection it is believed to be the best one of its type to be developed in recent years.

Pope Well Adjusted

Mr. Andel reported that Ewell had adjusted himself very well to wired teeth and face protector and that he usually has dummy workouts during practice. The reliable guard saw limited action in the W & L game, but is likely to see much more in the Auburn game this Saturday. Three to four more weeks will be required for his jaw to heal, after which time the mask will probably still be worn.

The Tulane game was the only one Pope did not play in as a varsity guard. He did not start in two others; those being the Furman game when the second stringers opened, and the last W&L contest.

Pope is 6 feet tall but weighs only 168 pounds. His return to full duty

should be forthcoming very shortly, and his presence in the line should be inspirational to all.

Staff Meeting

The Blue Print business staff will meet Monday, October 17, in the YMCA Publications Lounge. Interested frosh are invited.

All men interested in joining The Technique Sports staff are asked to report to the YMCA Monday night at seven o'clock.

There are many openings on the sports staff for men who enjoy writing sports stories or those who would like to help on make-up.

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to give you a finer cigarette!

Yes, at tobacco auctions Lucky Strike pays millions of dollars more than official parity prices for fine tobacco!

There's no finer cigarette in the world today than Lucky Strike! To bring you this finer cigarette, the makers of Lucky Strike go after fine, light, naturally mild tobacco—and pay millions of dollars more than official parity prices to get it! So buy a carton of Luckies today. See for yourself how much finer and smoother Luckies really are—how much *more* real deep-down smoking enjoyment they give you. Yes, smoke a Lucky! It's a finer, milder, more enjoyable cigarette!

CURTIS A. WALKER, veteran independent warehouseman of Wendell, N. C., says: "Season after season, I've seen the makers of Luckies buy fine tobacco . . . tobacco that makes a mild smoke. I've smoked Luckies myself for 20 years." Here's more evidence that Luckies are a finer cigarette.



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SPORTS CHATTER

By Bert Edleson
Assistant Sports Editor

Golden Tornado Faces Auburn In Spirited Contest Saturday

Series Even at 24 Wins; Ancient Rivalry Renewed

By Fred Tallant

Rejuvenated by an upset tie with the Florida Gators, the Plainsmen from Auburn invade Grant Field this Saturday in an attempt to break the winning skein of nine straight games which Teld holds over A.P.I.

At the beginning of this grid season the experts were passing out handkerchiefs to Auburn fans and predicting that the Plainsmen wouldn't win a single game. This week the Tigers are wiping Alligator blood off their claws after stunning 14-14 deadlock with favored Florida last Saturday game this season, having bowed to Mississippi in their initial contest, 40-7, the boys from the Alabama plains are pointing for this week's encounter with Georgia Tech's Yellow Jackets, remembering the 27-0 drubbing they suffered last season at the hands of the Engineers.

Tidwell Returns

Many Tech fans will undoubtedly remember the Tigers' star quarterback, Travis Tidwell, who played one of the greatest games of his career here at Grant Field two years ago. Operating out of the conventional T-

formation, reports are that the charges of Coach Earl Brown have prepared a special bag of tricks for the Engineers in three days of closed practice, and Tidwell—back to his 1946 par which won him national acclaim during his freshman year—is sure to count heavily in these plans.

Rounding out the first string Auburn backfield are fullback Charlie Langner, left half Bobby Golden, and either Norton or Wallis at right half. Golden and Langner each scored a touchdown against Florida and reserve quarterback Bill Tucker tallied two consecutive PAT's.

Strong Defense

On the defensive side of the card the Plainsmen have a crushing line-backer in defensive center Frank Hayes. The right side of the Auburn line is almost impregnable, with tackle Fouts Bauer and end Ralph Pyburn doing the lion's share.

The left side of the Tigers' forward wall consists of end Willett, tackle Aurerey, and guard Cline, ably backed up by reserves Russell, Varana, and Banks.

In Southeastern Conference play last fall, Auburn had a record of no wins and seven losses, placing last out of the twelve squads.

Harrison Out

The Jackets are all primed for this scuffle with almost every player on the squad ready for action. The unfortunate mishap between Morris Harrison and Bob McCoy will probably keep Harrison out of this contest.

Last week many Tech reserves saw action against the Generals and will be ready for further battle this Saturday. All were outstanding in play and should prove a valuable asset to Coach Dodd in this fracas.

Ewell Pope, who returned to limited action last week against Washington and Lee, is expected to play a major

portion of this contest. The protection for his jaw has proved to be just what the doctor ordered.

Jimmy Jordan, who had one of the best days of his career last Saturday, will be watched by all for more of his long marathons. Tech's downfield blocking was a very important factor in these runs, and that was the best seen at the Flats in many a season.

In 51 games played between these two adversaries, the Techmen have won 24 and the Tigers have won 24. There have been three ties. Each team will be out to break this stalemate and the contest should be one nobody should miss.

Intramural League Opens This Sunday

Intramural football starts this Sunday, and it is the hope of both Coach Mundorff and The Technique sports staff that the intramural sports here at Tech get a greater amount of backing than ever before. Intramurals do not include only fraternity men, it takes in every man on the Tech campus. In the football leagues this quarter there are twenty-six fraternity teams and twelve independent teams. This could easily number twenty or more.

There does not necessarily have to be an organization behind the teams. If just a bunch of fellows would like to play together, get organized among yourselves and see Coach Roy Mundorff, head of intramural sports, and tell him that you would like to be considered when making up later intramural programs. It's too late for football and volley ball, but there will be basketball, softball, tennis, swimming, and many other forms of competition. So be thinking about it ahead of time and get together with your buddies and support the intramural program. Coach Mundorff spends a lot of time so that everyone interested can partake in some sport.

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Attention Flash Card Section !!

It has just been released through Fred Wolf, president of the White and Gold Club, that at the Auburn game tomorrow, and at remaining home games, the flashcard instructions will be relayed to the section by the loud speakers mounted atop the gymnasium. The procedure will be exactly the same as outlined last week, but the instructions will come over the public address system. This will eliminate any possibility of members of the pep squad missing the instructions.

Immediately preceding a scheduled trick, two members of the White and Gold Club, wearing identifying arm bands, will go up the side aisles to warn the approach of the scheduled trick. The public address system will then come on with "Attention Flashcard Section". From there on out the procedure will be exactly the same as before. Enough has already been said about the lack of cooperation received last week. It is believed that this new system of notification will result in better cooperation on the part of the entire section.

Just so those men that are in the flashcard section will know just what tricks they are doing and so the remaining Tech students will know what that section is doing, here is a list of the tricks in the order which they will be run. Between the first and second quarters, HI FOLKS will be spelled out. During the second quarter, HI, HI, HI, A.P.I.; at the beginning of the half, WAR EAGLES; during the third quarter, TO HECK WITH A.P.I.; between the third and fourth quarters, GIVE 'EM HECK, TECH; and during the fourth quarter, early, the tricks will finish off with YEA, TECH.

Lucky and Unlucky

Lucky Luck!! That's Ed Luck. Ed is a member of the Tech freshman squad and in last night's game with the Baby Elephants from Alabama, lucky Ed Luck wore jersey number 13. A lot of old timers will remember Ed's brother John. John Luck was a figurehead in the Notre Dame game of a few years back. John is now coaching football at Cedar-town High School in Cedartown, Georgia. And while we are speaking of luck, Bob McCoy and Morris Harrison had a bit of the bad side of it. It seems that the rains had forced the Yellow Jackets into the gym for some signal practice. Evidently McCoy and Harrison got their signals mixed up and the two boys tangled head-on. McCoy came out of his coma after a few minutes but Harrison wound up with twenty-three stitches above and below his right eye and will probably miss the Auburn game.

Any of you faithful readers, and I do hope there are a few, who were looking for me last week just after The Technique was put out for distribution to laugh in my face for predicting Army over Michigan, I'm here. That was just a good guess. My greatest mistake, for which there is no excuse, except that I should have my head examined, was my choice of Georgia over Kentucky. I'll take my medicine. But I suppose I'll never learn. I'm going out on the thinnest limb of the thinnest tree when I predict Tulane to upset Norte Dame's applectart.

I have no real reason for my choice except that Tulane has one of the best teams seen in the South in many years, and to my belief, the football in the South is of a higher caliber than that played in the East and mid-West. On that I base my choice of the Greenies over the Irish. It's one of those long shots that might come in.

Jackets Over Auburn

That prediction will probably bring down my average from last week. Of the twenty-one games predicted, fourteen were correct, four wrong, and three ended in ties for an average of 78%, which isn't too bad for a novice. With that average in mind, and my trusty score-figuring machine before me, here goes again:

In the South

Our own Yellow Jackets are favored to top a very scrappy Auburn Tiger team that upset the dopesters last week and held the Florida Gators to a 14-14 tie. In one of the better tussles in the S.E.C., my nod is to the Crimson Tide to top the Volunteers from Tennessee. In what will also be a headline Conference game, the Tigers from Baton Rouge

(Continued on page 16)

Intramural Wrestling Postponed One Week

In response to many requests by various fraternities, Coach Roy Mundorff has postponed the Intramural wrestling tournament.

The original schedule called for the opening bout to take place on Monday night, October 17, but due to the re-arranged schedule competition will begin on Monday evening, October 23, at seven o'clock.

Throughout the week the preliminaries will start at seven, with the finals beginning at eight o'clock on Friday evening, October 28.

At this writing there were about twenty-five men signed up for the tournament. Since the tourney has been moved up a week, any man interested in entering the intramural wrestling tournament can weigh in with Coach Bob Miller or assistant Coach Jack Griffith on Monday or Wednesday, October 17 and 19.

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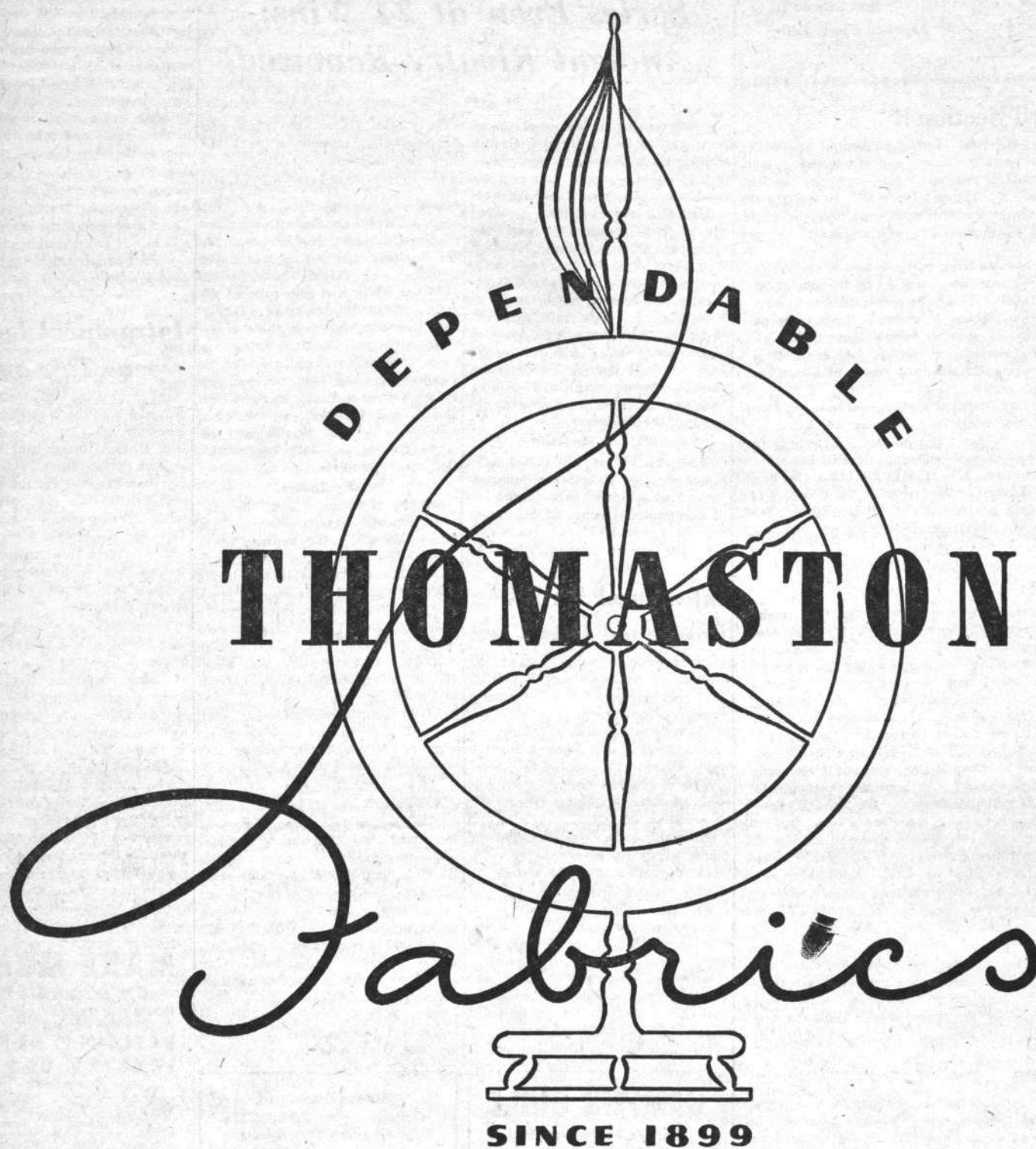
Join the Georgia Tech FLYING CLUB

Next Club Meeting, Tuesday, Oct. 18

In Room 11 of the A. E. Building

ALL PILOTS and STUDENTS ARE INVITED—INSTRUCTION AVAILABLE

FOR INFORMATION—Go to Room 21, A. E. Building or See Any Club Officer



THOMASTON MILLS

THOMASTON • GEORGIA

Tom Coleman Plays Last Year as Jacket Lineman

Tech Captain Former All-Star Choice; Savannah Lad Started Out as Fullback

Anchoring the Yellow Jacket line this year is senior Tom Coleman, captain of the Jacket squad and a pounder, he was a standout in both the Vanderbilt and the Tulane games.

Tom, who is one of the mainstays of the Tech squad, is a southern boy hailing from Savannah, Georgia. While attending Benedictine High of Savannah, Tom earned five varsity letters. He received three of these in football and two in baseball.

Started As Fullback

He began playing football as a fullback but was switched to the forward wall where he made All-State at the tackle position. As a result of this choice, he was selected to play for the Southern team in the Peach Bowl game of 1944, which his team won by the score of 7-0.

After graduating from high school, Coleman chose engineering as a career and entered Georgia Tech. He chose Georgia Tech above all others because of the qualities of the school and because of his admiration for the school's excellent coaching staff which was headed by coach Bobby Dodd.

Tulane Game Best

The game which the big lineman enjoyed most during his long football career was the Tulane game of '46 which Tech won by the overwhelming score of 35-7.

He has played in two bowl games for the White and Gold. The first was the Oil Bowl game in '47 when the Yellow Jackets won by the score of 42-19 over St. Mary's. He also participated in the 1948 Orange Bowl

in which Tech defeated the U. of Kansas 20-14.

When asked to comment on Tech's material for the future, Tom stated that this year's Baby Jackets is one of the best freshman teams in the South. With such outstanding players as Pete Brown and Chappell Rhino this is certainly not a false statement. He also stated that the frosh are good enough to defeat the Georgia Bulldogs. Tom remarked that this might be of importance to the freshmen since a Tech victory would relieve them of the worry of maintaining their scalps.

Vandy Topnotch

When complimented on his fine play in the Vanderbilt game, Tom commented that Vandy was a top class team and that the scrappy Techmen had to go all out to defeat them.

Asked about the Tulane game, the big senior's reply was, "I was lucky to come out alive." He said that the Tulane grid machine was a top notch outfit which will probably give the great Notre Dame team a stiff fight in their coming game next weekend.

When his opinion was requested of Tech's chances this season, Tom politely declined comment, but let it be known that the scrappy, progressive Tech team would have an even chance to defeat any of the remaining teams on their schedule, including Georgia.

Intramural Football Schedules Announced by Coach Mundorff

In a meeting held Monday night in the gymnasium, Coach Roy Mundorff and representatives from the Independent organizations on the campus discussed the formulation of independent intra-mural leagues.

The Independents will commence this Sunday at Rose Bowl Field. The games will start at one-thirty in the afternoon and will last approximately one hour and fifteen minutes.

The Independents will be split up into six team leagues. Rules for play and for reporting scores were discussed at the meeting.

The independent organization, plus the fraternity intra-mural league will form an outstanding afternoon of sport for all concerned.

The Block League consists of Smith, Glenn and Techwood Dormitories, Callaway Apartments, The Southern Rebels and the Latin American Club.

The Punt League is comprised of the Wesley Foundation, Navy R. O. T. C., Geechie Club, Towers and Brown dorm, and the Newnan Club.

There will be no postponements except in case of inclement weather. All postponed games will be played off the last two days of the season.

Four Fields at Rose Bowl will be used. The S. W. Field is No. 1, N. W. Field is No. 2, N. E. Field is No. 3, and S. E. Field is No. 4.

GOLD LEAGUE

1. Alpha Tau Omega
2. Chi Phi
3. Kappa Alpha
4. Phi Delta Theta
5. Beta Theta Pi
6. Sigma Chi
7. Sigma Alpha Epsilon

WHITE LEAGUE

1. Kappa Sigma
2. Lambda Chi Alpha
3. Pi Kappa Alpha
4. Sigma Nu
5. Theta Chi
6. Tau Epsilon Phi
7. Delta Tau Delta

YELLOW JACKET LGE.

1. Phi Gamma Delta
2. Tau Kappa Epsilon
3. Theta Xi
4. Chi Psi
5. Phi Epsilon Pi
6. Phi Sigma Kappa

BLOCK LEAGUE

1. Smith
2. Glenn
3. Techwood
4. Callaway
5. Southern Rebels
6. Latin American Club

TORNADO LEAGUE

1. Pi Kappa Sigma
2. Delta Sigma Phi
3. Delta Sigma Phi
4. Alpha Epsilon Pi
5. Phi Kappa Sigma
6. Phi Kappa Tau

PUNT LEAGUE

1. Wesley Foundation
2. Navy R.O.T.C.
3. Geechie Club
4. Towers Dorm
5. Newnan Club
6. Brown Dorm

SCHEDULE

| | Field 1 | Field 2 | Field 3 | Field 4 |
|----------------|---------------|---------|---------|---------|
| 16 Oct., Sun. | 1:00 P.M. 12G | 12W | 12T | 12B |
| 20 Oct., Sun. | 3:30 P.M. 56T | 34B | 34P | 45Y |
| 23 Oct., Sun. | 2:15 P.M. 12P | 28Y | 57G | 37W |
| 30 Oct., Sun. | 1:00 P.M. 56W | 36T | 56P | 34Y |
| 6 Nov., Sun. | 2:15 P.M. 56B | 24G | 24W | 24T |
| 13 Nov., Sun. | 3:30 P.M. 56Y | 24B | 24P | 37G |
| 20 Nov., Sun. | 1:00 P.M. 36Y | 36P | 57W | 15G |
| 28 Nov., Mon. | 2:15 P.M. 28G | 15T | 15Y | 15P |
| 29 Nov., Tues. | 3:15 P.M. 46G | 46W | 46T | 14B |
| 30 Nov., Wed. | 1:00 P.M. 13W | 13T | 15G | 13B |
| 1 Dec., Thu. | 2:15 P.M. 13P | 25G | 25W | 25T |
| 2 Dec., Fri. | 3:30 P.M. 25Y | 25B | 25P | 36G |
| 3 Dec., Sat. | 1:00 P.M. 14Y | 14P | 26G | 26W |
| | 2:15 P.M. 26T | 17W | 26B | 47G |
| | 3:30 P.M. 35G | 35W | 35T | 35Y |
| | 1:00 P.M. 23W | 28T | 24Y | 23B |
| | 2:15 P.M. 23P | 45G | 45W | 45T |
| | 3:30 P.M. 16Y | 45B | 45P | 67G |
| | 4:30 P.M. 67W | 16T | 16B | 16P |
| | 4:30 P.M. 34G | 15W | 14T | 46B |
| | 4:30 P.M. 16W | 16G | 15B | 13Y |
| | 4:30 P.M. 26Y | 14G | 26P | 36W |
| | 4:30 P.M. 56G | 27G | 14W | 35P |
| | 1:00 P.M. 47W | 12Y | 36B | 34T |

No postponements will be allowed for any reason except weather. Saturday, Dec. 3, and Sunday, Dec. 4, will be used for rained out games. It is highly desirable that play-offs begin not later than Tuesday, Dec. 6.

Coach Dean Opens Track Preliminaries

With the opening of school, Jacket trackmen turned out for fall track practice. According to coach Norris Dean, this practice is more for the fundamentals of track than it is for conditioning. Since stress will be placed on elementary work, Coach Dean urges all freshmen interested in track to attend practice as soon as possible.

Most of the members of last year's squad will be performing again this season on Tech's cinder paths. Among those returning are Bob Renshaw, Johnny Stowers, Tommy Coons, Jim Shiver, Bob Smith, Sam McGrain, Dale Lupton, Bobo Glover, and Ed Forward. Bob Renshaw will make his second appearance in the Sugar Bowl this year, running the half-mile.

Last year's frosh team will supply some replacements for trackmen who were lost through the graduation route. Jack Patterson, Weston Shipstead, Toby Kaarn, and Daughtry are among those who should make the varsity.

Members of last year's team that were lost through graduation are Bobby Joe Anderson, Jim Nolan, Al Lansing, George Bailey, and Bob Saxon.

Was Dick Harvin Born With Pigskin in Arms?

No historical record is available for confirmation, but a lot of his friends, and people who have watched him play, think Dick Harvin was born with a football in his arms.

Bobby Dodd, coach of the Georgia Tech Yellow Jackets, will have little to worry about with Dick stationed at the flank position. Dick, as everyone probably knows, was picked by the Saturday Evening Post magazine as a pre-season All-American. Our coaches and the opposing coaches, as well, think he will be a standout on the Yellow Jackets line.

Played At Darlington

Dick came to Tech in September, 1947, from Darlington Prep, in Rome, Georgia, where he starred in football. Dick played end in his sophomore and senior years. While in his junior year he was shifted to the backfield. Darlington Prep's football team placed first in the All-Mid South conference in his senior year. He was voted by the coaches to the All-Mid South team at the end position.

Dick Harvin was by no means a one sport man in high school. He played guard in basketball, ran the 100 and 200 yard dashes, and threw the shot put. In all he received the grand total of 10 letters at prep school.

Still Lively

Now at Tech he still has enough energy to romp in all sports, while in his spare time, if any, he is majoring in Industrial Management.

Harvin played end in his freshman and sophomore years; showing enough promise in his last year to rate him as one of the best up and coming ends in the country. As the upper classmen remember, Dick made a start in college football long to be remembered at he school on the Hill. He made a circus catch of a pass in the Vanderbilt end zone on the first play of his college career.

In the spring he finds time to patrol the outfield, for the baseball team,

hitting a long ball. In track he runs the hundred and throws the shot.

Vandy Toughest

The toughest game Dick ever played in was the Vanderbilt game of this season, as it was probably for the rest of the team.

Dick's comments on this year's team are the same as those of everyone else, a good team, but not as strong as last year. He thinks Tulane, Vanderbilt, and Georgia are the strongest teams in the conference, with Georgia Tech a strong dark horse.

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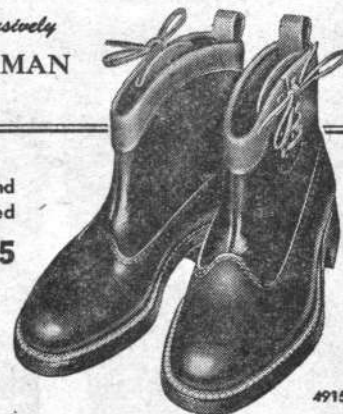
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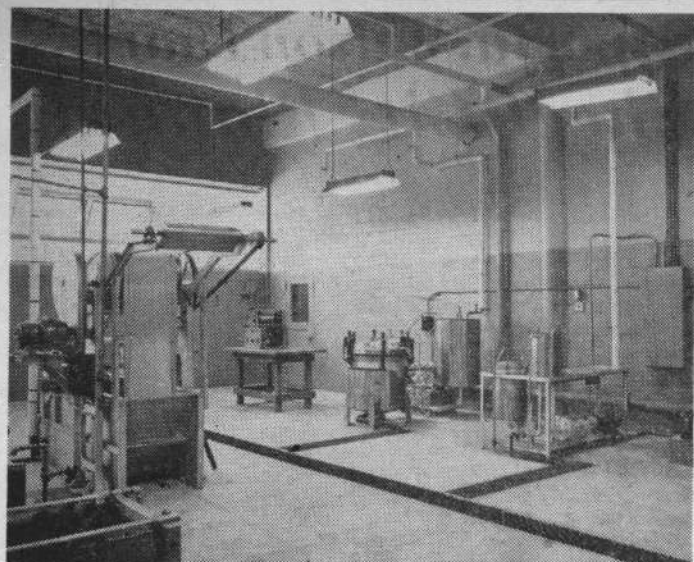
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!



—Photo by Cooper and Cleare.

The new equipment in the dyeing department lab will enable this department to offer a more comprehensive course. This equipment will be used by seniors and graduate students.

Modern Dyeing Equipment Added To Hightower Textile Building

By Henry Oakley

The Dyeing Department of Textile Engineering course, like most of the other departments, has several new machines and modern devices to keep up with the style of the building.

One machine which has greatly improved the system of starching yarns is the "slasher." This machine which has just recently been obtained, is the first one produced under its patent. The machine, made in West Point, Georgia, is patented by Calloway Mills and is used primarily for testing purposes. In order to prevent yarns from wearing during the weaving process, starch is applied. The machine tests the yarns and tells what effect the different kinds of starch have on improving weaving results. It is an improvement over either models for the same purpose in that it allows several tests to be run at the same time; saving material, time, and effort.

The laboratory is equipped on a full scale commercial basis just as a company would be. It is equipped to dye yarns, fibers, and fabrics of all sorts. Sometimes the woven product, made by another department, is dyed and sent on to a different department for further processing and testing. Each department is linked with the other as in real industry. The only outside substances needed in the production of cloth is the raw material and certain basic matter such as dyes.

Research is an aspect carried on

Basil Whittier Elected To Tau Beta Pi Ranks

On October 6th at 7:00 p. m. the first meeting of Tau Beta Pi was held in the M.E. building with President Dave Crane presiding. During the meeting a special election was held and Basil Whittier was elected to membership. A special election was called because Basil had been omitted from the list of eligible men considered during the Spring quarter due to a technicality.

The next regular election of members will be on October 31st; a smoker will be held on October 27th at the YMCA for the men who are eligible for membership.

in the dyeing laboratory. Many large companies bring their problems over to the Tech laboratory for possible solution. The laboratory even has an air conditioned room in which different atmospheric conditions can be simulated. This is useful for testing purposes where the product is to be used in different climates.

T.E. students start dyeing small samples of cloth in beakers and gradually progress to the large scale on the machines. They have access to nearly every type and color of dye; amounting to 4,500 different kinds. More complete and modern dyeing facilities would be hard to find at any school anywhere in the world.

Phi Psi Textile Fraternity Has New Lounge Facilities

By Marshall Graham

One of the many interesting features of the Harrison Hightower Textile building is the Phi Psi Lounge, which is located near the end of the northwest wing of the building.

The Lounge was built for the Phi Psi Fraternity, which is an honorary organization of the Textile Engineering School. Only members of the senior and junior classes are eligible for membership. The purpose of the fraternity is to further relations between the students and teachers, and to promote scholarship among the students. At present, there are thirty-three members in the organization. Its president is Edward Jewell, and the fraternity's faculty advisor is Mr. J. W. McCarty. Besides offering a place of recreation and relaxation, the Lounge is used by the fraternity as a place to hold their meetings. The Lounge was financed largely by contributions from alumni of the Textile Engineering school here at Tech.

Lounge Is On Second Floor

The Lounge is on the second floor of the building. A large picture window, opening upon the front side of the building, faces the entrance of the room. Green draperies, which were donated by Jefferson Mills, flank the window at each end. The walls of the room are painted grey, and the furni-

ture yellow and green. This combination offers a pleasing blend of colors in the room. The interior decorating was done by members of the Phi Psi Fraternity.

Lounge Has A Radio

As part of its equipment, the Lounge has a radio and several decks of cards. There are two sofas and several lounge chairs also. Due to its location in the Textile building, the Lounge will be of good service to the members of Phi Psi.

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Tech Students Take Honors At Summer School in France

By G. Bruce Kidd

The Georgia Tech architecture department will no doubt be long remembered at Ecoles d'Art Americaines de Fontainebleau, a summer art school for American students at Fontainebleau, France. Five Tech students entered the architecture classes July 1 and by September 1 had walked off with not only top honors but practically all honors.

Henry Levy, Mark Hampton, Bob Tippet, Murphy Pound and Lamar Roberts were the men who achieved this distinction against a field of thirty-five. Among those competing with them were practicing architects as well as students from such schools as M.I.T., Columbia, Illinois, Clemson and Pennsylvania.

During the term three design problems lasting about two weeks each were assigned. The first problem was to design a house for Pennsylvania. The second was a travel agency or the option of a combination automobile showroom, office building and apartment house. The third was to design a church. It was in these problems that the Tech men won their laurels.

Mark Hampton and Bob Tippet's design for the house ranked very high in the class. First place honors were taken by Mark Hampton and Murphy Pound collaborating on the travel agency. Bob Tippet and Lamar Roberts, also working as a team, won second place. On the alternate problem of the showroom, office and apartment building, Henry Levy took first to make it a clean sweep for the Tech men.

The combination of Hampton and Pound again scored top honors in the third problem, a church design. Tippet and Roberts took third place. Pound and Hampton, by taking two first places also won the award for the summer which consisted of a trip to Marseilles to inspect Le Corbusier's housing project.

The remainder of the architecture

department's curriculum consisted of tours of some of France's most beautiful and famous chateaus and cathedrals once or twice a week. On these trips they visited such cities as Chartres, Sems, Vegelay, Rheims, LeHavre and Caen as well as the chateaus along the Loire River.

The school also offered its students classes in music, painting, sculpture, industrial design, litho and engraving, and fresco as well as architecture. These classes were open at all times to the students who had spare time. The Tech men frequently took advantage of the sketching classes, which had models available most of the time.

Bacteria in Sewage Reduced by Chlorine

Over 99 per cent of bacteria in raw sewage can be killed in five minutes by contact with relatively minute amounts of chlorine, according to a Georgia Tech engineering experiment station report released recently under the authorship of Professor H. A. Wycoc, head of the Georgia Tech Department of Public Health Engineering and a faculty research associate on the experiment station's staff. In experiments conducted at the Egan sewage treatment plant, with the cooperation of Atlanta officials, it was found that when the initial chlorine residual content exceeded one part in two million parts of sewage, the medial bacterial kill was 80 per cent or better after one minute of contact.

Registration Rules For Winter Quarter Have Been Posted

All students (except first and second quarter freshmen) who wish to remain enrolled for the winter quarter should have a schedule conference with an adviser during the week of October 17-22. Degree-granting schools will post hours and instructions for conferences on their bulletin boards, and no conference will be held after October 22.

A punched card, with the student's name and instructions printed on it, will be placed in each student's campus post-office box. If any student fails to receive a punched card by noon October 17, he should report to the Office of the Registrar.

1. Students who will not be enrolled at Tech after the current quarter: DESTROY THE CARD. Coops who will go out on a work period for the winter quarter see paragraph 3 below.

2. Students who will be enrolled during the winter quarter.

a. Present freshmen who will not schedule any sophomore subjects in chemistry, mathematics, or physics should deposit the card in the Office of Dean Hefner, Room 206, Administration Building. No schedule conference will be necessary.

b. All other students who will remain enrolled for the winter quarter should present the punched card to an adviser in their school of specialization. The purpose of the conference with the adviser is to receive a course list for next registration. This form must be presented to a schedule adviser at the time of registration, January 2-3.

3. Co-operative students who are going out for a work period in the winter and will return for the spring quarter 1950.

Pre-register as in 2(a) or (b) as the case may be. Registration for the (Continued on page 15)

Saporta, Wilson Tour US; Check City Planning

By John Bell

During the summer Professors I. E. Saporta and Richard Wilson of the School of Architecture toured the United States making a study of city planning. The primary object was a survey of the contributions of American universities to city planning. Mr. Saporta was awarded a Carnegie Grant-in-Aid for the purpose of this survey. During their travels they covered nearly 14,000 miles, thirty-eight states, and visited thirty-three schools.

The type of work done by the universities they observed can be shown by taking the school at Chapel Hill as an example. The Department of Planning of the University of North Carolina contacts a neighboring town or community where there is a desire and need for city planning. A student then adopts the town and undertakes to study their problems. His work consists of visiting the town, setting up a planning board, or reactivating it, and of actually drawing up reports and plans for the city.

Student Works With Town

The student spends at least three days a week in the town working with the planning board and other civic groups. During his stay in the community all expenses are paid by the town government. This type of course is of immense value to the student and also affords the smaller town an opportunity to improve their community at a reasonable cost. At the end of a specified time, the student submits his final report to the school and to his adopted town.

The first step should be education in planning from the very first grades. Only then can we have an assurance that the oncoming generation will ask for the plans and be ready to supply the funds for the necessary improvements of our cities. Messrs. Wilson and Saporta reported that the Atlanta public schools have recently

added a book on this important subject to their Civics course. Building Atlanta's Future, by Ivey, Demerath, Breland, is the title of this very informative work. This is a big step forward in awakening the public to the need for planning. When the people of Atlanta and the nation realize the advantages of a planned city, free of slums and blight, there will be a great demand for trained men to undertake this work.

City Planning Taught At Tech

Here at Georgia Tech the School of Architecture is striving to squeeze as much city planning into the curriculum as possible. Among the problems undertaken by the Architecture students was the planning of a neighborhood development in Doraville, Georgia, and also their redevelopment of the so-called "Black Heart of Atlanta" which caused so much heated, city-wide comment last spring. They are presently working on the redevelopment of census tract F-9 which adjoins the west side of the campus.

Awareness Is Growing

There is a growing awareness of the need for well-trained planners in the southeast and it is hoped that a full fledged graduate course in city and regional planning will be instituted at Georgia Tech. The School of Architecture together with the other departments of Tech such as Civil Engineering, Social Science and Public Health, could get together and work out this vitally necessary course which would be open as a major to all graduate students of the campus.

ANOTHER BRIGHT PAGE
In the history of
Southern educational
and industrial progress

October 14, 1949
Opening of
**THE HARRISON HIGHTOWER
TEXTILE BUILDING**
of
**THE GEORGIA INSTITUTE
of TECHNOLOGY**

TURNER HALSEY

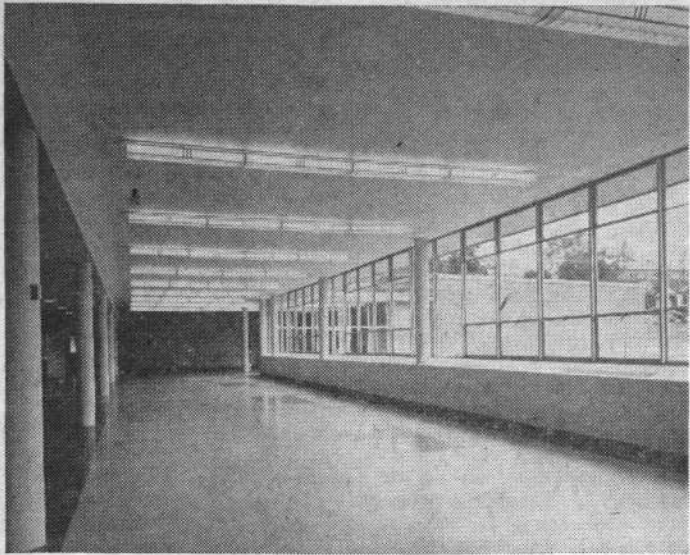
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The Foyer



—Photo by Cooper and Cleare.
The beautiful and spacious foyer of the new Hightower Textile building is shown above. The most modern structure of its kind in the nation, the building fronts on Hemphill Ave. overlooking Campus Drive.

Textile Faculty—

(Continued from page 3)

Navy Department, in the office of Inspector of Naval Material in Atlanta; and has been at Tech since 1948.

Assistant Professor W. C. Carter received an A.B. in chemistry from Emory in 1941, an M.A. in chemistry from Emory and Princeton in 1943 and 1944, and a Ph.D. in Physical Chemistry from Princeton in 1947. He has been with the Rubber Research Board, the Manhattan Project, the Princeton University Research Project, Oglethorpe University as head of the Chemistry Department, and has been with Georgia Tech since September. He has been one of the co-editors of three highly technical publications which were printed in 1945, 1946 and 1949.

Assistant Professor J. W. McCarty possesses a B.S. in textile from Texas Technological College (1938), and a B.S. in T.E. and an M.E. in T.E. (1940 and 1945) from Georgia Tech. He has been with the Barry Cotton Co., New Braunfels Cotton Mill, Eagle and Phenix Mills, and with the textile school since 1940.

Instructor R. L. Hearn received a B.S. in T.E. from Georgia Tech in 1939 and has been an instructor here since September, 1948. Previously, he was with the Clark Thread Company, Bibb Manufacturing Co., Quartermaster Corps, U. S. Army, the Veterans Administration, and the J. C. Pirkle Machinery Co.

Instructor James MacDonald was at Georgia Tech three years and received a B.S. in Textile Management at North Carolina State in 1947. He has been with Reid Hayden, Inc., Clemson College (teaching textiles), and E-Z Mills, Inc.

M. J. R. Brandon is supervisor of the Weaving Department, and Mr. D. E. Philpott is supervisor of the Knitting Department.

problems. He commended Dr. Sweigert on the progress of the Graduate Division, and expressed his hope and faith for the continued progress of both

The Graduate Club will have its second fall social event on Saturday, Oct. 15, after the Tech-Auburn game. It will be held at the Garden Hills Community House.

the Graduate Division and the Graduate Club.

President Bob Borman said that the Graduate Student Council had "a good

Registration Instructions—

(Continued from page 14)

spring quarter will be held on March 27-28.

Time tickets will be distributed only to those students who have pre-registered.

Winter quarter registration for old students will be held Monday-Tuesday, January 2-3. The Gymnasium and Armory will be used for registration only on Monday, January 2. On Tuesday, January 3, registration will be conducted in the various departmental offices. A late registration fee of ten dollars will apply on Wednesday, January 4, and will be increased at the rate of two dollars per day through Saturday, January 7. No registration will be permitted after Saturday, January 7.

See your departmental bulletin board for further instructions.

Former Day School Students who wish to be readmitted, if you have previously been enrolled in the day school and wish to re-enter the winter

quarter, you must pre-register.

During the period October 17-22 you may secure a pre-registration card from the Evening School Office. This card must be filled in and returned to the Registrar's Office in the Administration Building by October 22.

Your readmission will usually require the approval of both the Committee on Standing and the head of the department in which you wish to enroll.

Time tickets will be issued only to those students who pre-register and who are approved for readmission. Notice of eligibility for readmission will be given only by the Office of the Executive Dean and generally not until final grades have been reported and tabulated. Tickets may be secured in the Office of the Executive Dean in the interim between the fall and winter quarters.

Students will not pre-register if they have never been enrolled in day school, or if they have been but do not wish to reenter the winter quarter.

W. L. Carmichael,
Registrar.

Textile Testing Labs to Have Commercial Caliber Equipment

By Cooper Morcock

On the top floor of the new Hightower Textile building are two testing laboratories, which will test synthetic and natural fibers, yarns and fabrics just as they would be tested by any good standard commercial testing laboratory. Students will perform all the operations as part of their courses, learning how to conduct all the various tests by actually doing them.

The Chemical Testing Laboratory, under the direction of Dr. Walter C. Carter, will perform tests related to dyes and dyed materials and all other problems of a textile chemical nature.

Mr. Charles A. Jones is in charge of the Physical Testing Laboratory. Classes will keep the lab in almost constant use, studying the testing of synthetic fibers and studying natural-fiber testing. Temperature and humidity in the room can be controlled completely to produce standard conditions necessary for the testing of textile fibers.

The two laboratories will test textile materials to determine the effects of many factors, such as moisture, abrasion, tension, sun-light and chemicals on the life of a fabric or yarn, and the uses to which the material may be put. A large part of the testing will be to determine whether a specific material is or is not suitable for a desired use of an industrial or mechanical nature.

Several new pieces of equipment have been added to modernize the laboratories and to increase their usefulness to the school and to the students. For example, new equipment already received includes two Dehinsky Drying Ovens, an Electro-Analyser, a Hardy Cross-Section Device, a Brabender Moisture Determinator, a Moscrop Multiple-Single Strand Yarn Tester, a Suter Twist Counter, a Scott Vertical Tester, and a Pressley Fiber Tester.

Graduate Club Hears Dr. Van Leer Speak

Col. Blake R. Van Leer was the guest of the Graduate Club of Georgia Tech at their annual year-opening banquet last week. Col. Van Leer, in his address, stressed the importance of graduate work, and the value of higher degrees. He expressed delight at the increase in enrollment this fall, and at the progress that the Graduate Club has made in the past year. He cited the formation of the Graduate Student Council, and its able handling of graduate students'

Dr. Carter—

(Continued from page 2)

cepting his present assignment with the A. French Textile School at Georgia Tech.

Dr. Carter has had teaching experience in elementary inorganic chemistry, analytical chemistry, elementary physical chemistry, chemical testing (textiles), and dyeing and finishing of cotton and wool.

The Journal of the American Chemical Society has published several articles to which Dr. Carter contributed, including reports on the viscosity-molecular weight relations for both natural and synthetic rubbers, and also a discussion of the di-electric dispersion and absorption in neoprene gum and tread stocks.

AATCC Meet—

(Continued from page 3)

ond and fourth Thursday at 12:00 noon. This auditorium is adequately equipped to accommodate these meetings and will seat around three hundred people. The senior and junior members of the AATCC in this locality are cordially invited to attend these meetings.

Plans are being formulated to invite guest speakers from the dyeing and finishing industry to discuss the current developments arising in these two fields. This will give the student an opportunity to learn of what takes place in industry and familiarize him with the many problems that must be solved.

After having speakers from industry, it is hoped that arrangements can be made for the chapter to tour the plant from which the speaker was chosen. This will give the student a more thorough understanding and visualization which will help him in his work. In conjunction with these speakers and tours industrial films pertaining to this industry will be shown.

many plans in store" for the coming year, and predicted that it would be a great year for the Graduate Club.

The meeting concluded with the extension of thanks to Dr. Van Leer for his remarks, and the hope that the club could fulfill his expectations.

Camera Club Meets

The Georgia Tech Camera Club will hold its next regular bi-weekly meeting on Tuesday, Oct. 18, at 8 o'clock in Room 1 of the Tech "Y". Mr. Van Buren Colley, noted Atlanta portrait photographer, will give a talk on portrait photography. All members are urged to be present, and all who are interested in photography are invited to attend.

TECHWOOD THEATRE

North Ave. at Techwood Drive

Saturday, October 15

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800 Peachtree Bldg.

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Week-End Game Predictions—

(Continued from page 9)

journey up to Athenstown to meet the Bulldogs on Friday night, with the Bayou Tigers besting the Bulldogs of coach Wally Butts to my way of thinking. In the fourth Conference encounter, the Vandy Black Knights, who slipped by Mississippi last week 28 to 27, should rebound with an impressive win over the University of Florida Gators.

Elsewhere in the South, Wallace Wade's Blue Devils from Duke will get back into the winning column with North Carolina State, while a powerful Kentucky eleven is smothering the Citadel and Ole Miss is taking Boston College. In the Southwest, Baylor should be able to handle Texas Tech, Texas should take Arkansas, S.M.U. will take Rice, and T.C.U. should win over Texas A and M.

In the East

Navy, bolstered by its two straight victories, should keep up the good work in beating Wisconsin, Minnesota should have no trouble with Ohio State, as will Michigan have an easy time of Northwestern. Iowa should win over Indiana, Missouri over Illinois, Dartmouth over Holy Cross, Yale over Cornell, and always potent Army will handle dainty Harvard.

In the West

Out Pacific Coast way, the game of the day is the renewal of the ancient rivalry between California and the University of Southern California, with the nod going to the Golden Bears of California. This should be a deciding game in next year's Rose Bowl choice for the Coast.

ISO 'Autumn Nite'—

(Continued from Page 5)

and furnished with ping-pong tables through the efferost of ISO.

Franklin extended a cordial invitation to any non-fraternity men who are interested to attend the meetings, which are held every other week in the various dormitories. The organization consists of separate dormitory units in Glenn, Towers, Smith, Techwood, and also units in Burge and Callaway Apartments, each unit being a separate division of ISO. A great variety of student activities is supported by the group, which means that a wide variety of opportunities are open to the member, state Franklin. Also, said he, ISO members pay only their part of the cost of activities in which they take part. Few Tech men have time for all activities; accordingly, those who choose not to attend a party, hay ride, or other event are not required to pay a share of the cost.

Textile Library—

(Continued from Page 4)

ception of being able to reach out and touch the fabric in the painting.

Another magazine that has been very highly recommended is American Fabrics. Samples of the fabric discussed are included. The sample, approximately two inches square, gives the subscriber a much more positive proof of the fabric than a description. Practically all of the publications from countries immediately bordering the U. S. give a very accurate account not only of the material, but also of the people who weave the cloth.

Technical Books are in the south end of the library and are as well cared for as the periodicals. There are drawers and shelves beneath the book racks, where other technical books or periodicals may be found. The room is finished with a brown rubbed mahogany on the walls, dark enough not to show marks, yet light

Weaving Division—

(Continued from Page 1)

Knoles model C-5, 4x1 Box Loom for cotton fancies and the S-6 for synthetic goods. In addition to the above, they also have two Fletcher narrow fabric looms which are used in weaving name tapes and labels.

The department is made up of eleven instructors, including Mr. Fletcher, who also teaches and Mr. J. R. Brandon, who is in charge of all lab work.

The Yellow Jacket business and editorial staffs will meet in the YMCA Publications Lounge at 5 p. m., Tuesday, October 18. All interested frosh are invited.

enough to make the room cheerful. The ceiling has six large dual fluorescent lamps, that furnish adequate light without glaring.

Bob Barnes will be in the library every afternoon to check out books.

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