

Student Council Dance Tonight At Gym Features Charlie Sorrells' Orchestra



Pictured above is lovely Cherri Rogers, who is to be featured as vocalist tonight with Charlie Sorrells' orchestra.

NOTICE TO FRESHMEN

All first, second, and third quarter freshmen not residing at the Naval Air Station must secure a Residence Card from the office of Dean of Students before registering.

Schedules for the term beginning March 26 will not be issued unless a student possesses such a card. This card must be presented to the schedule adviser at the gymnasium. These cards may be secured from the office of the Dean of Students beginning Monday, March 17, at 10:00 P. M.

Instructions Given Seniors

Bob Wilhelm, President of the Senior Class, this week made several announcements with regard to the graduates of September 1946, December 1946, and March 1947.

All men who were graduates of the above dates and who desire to attend the Senior Week functions in June, should write to the president of the senior class for details.

It was also announced that all of these graduates are included in the senior invitations. These invitations may be ordered by coming to Room 138, Techwood Dorm, any night after 7:30. They may also be ordered by mail, the prices being: leather souvenir booklet in white, 65c, paper booklet, 30c, plus 10c postage with each order to be mailed. All orders should be sent together with the proper amount to Bob Wilhelm, Box 2613, Ga. Tech, Atlanta, Ga.

Wilhelm also suggested that any graduate who has not been able to contribute to the senior class project send in his contribution to the above address.

Of interest to all seniors was the announcement of the tentative schedule for Commencement Week.

Friday, June 6—
Last day of classes for graduating seniors.

Saturday, June 7—

Senior Banquet.

Sunday, June 8—

Baccalaureate Sermon.

(Continued on page 4)

WBGE To Broadcast Dance At Ten O'clock

Tonight at the Student Council Dance the Tech students and their dates will be able to hear Charlie Sorrells and his orchestra who are to play for this dance, announces Doyle Johnson, chairman of the Dance Committee. The Gymnasium-Auditorium will be the place to be.

Sigma Xi Sponsors Prize For Faculty Research Paper

The Georgia Tech Club of the Society of Sigma Xi, national honorary research organization, is sponsoring a prize of \$300 to be given each year to the Tech faculty member publishing the most outstanding research paper during the year. The purpose of the prize is to encourage original research by the faculty.

The research paper must be in one of the following fields or their branches: Mathematics, Physics, Chemistry, Astronomy, Sciences of the Earth, Biology, Psychology, Anthropology, Medicine, and Engineering.

Any member of the faculty publishing a research paper during the period March 15, 1946, to March 15, 1947, is eligible. The recipient of the prize will be expected to deliver a public lecture on a scientific subject, not necessarily on the work for which the prize is given, as part of the Commencement Week exercises.

Ordinarily the deadline each year will be March 15, with the winner to be announced about April 15th. This year, however, nominations will be received through March 22. These nominations should be submitted to Dr. W. M. Spicer of the Chemistry Department, chairman of the executive committee of the Georgia Tech Sigma Xi Club.

Charlie Sorrells and company, playing with a most pleasant style that has both a taste of Glenn Miller and of Les Brown, will offer the dancers his own arrangements of the latest song releases. Cherri Rogers, a very attractive and talented young lady well known to Techsters, will be featured as vocalist. One of the highlights of the evening will be the orchestra's impressions of the nation's ten top bands.

Tonight from ten until ten-thirty the maestro and his team will broadcast from the Gym over radio station WBGE.

Mr. Sorrells and his band have just completed a years contract with the Officers' Club out at the Naval Air Station. For thirteen weeks of their stand at the N. A. S. they were featured on the Mutual Broadcasting System's hookup through the facilities of station WATL here in Atlanta.

This band, very popular throughout the whole of the South, recently received an AAA rating and holds a top rating with the colleges and universities of the Southeast.

Anyone who wants to attend this dance, predicted to be one of the highlights of the year's social calendar, can get his ticket by going by the Information Desk in the Administration Building. They are on sale at \$1.20 either stag or drag. Only five hundred tickets are being offered as an insurance against an overflow crowd so it would be wise to get tickets now. Tickets will not be on sale at the door.

Junior Queen Will Be Crowned April 5

April 5 will mark the beginning of campus social life for the spring quarter with the annual junior class dance scheduled for that evening from eight 'til twelve in the auditorium-gymnasium featuring the music of Charlie Sorrells and his orchestra.

Highlighting the event will be the crowning of the junior class queen, preceded by a cotillion in which approximately twenty-five couples will participate.

Five candidates for the title of junior class queen have been nominated by juniors. These girls are: Mary Jenkins, Atlanta; Lee McClure, Atlanta; Bette McIver, Daytona Beach, Fla.; Sadie Murphy, Quitman, Ga.; and Mary Jane Smith, Birmingham, Ala.

Balloting for the queen will consist of one cent votes with the girl getting the majority being crowned during the dance. The voting will begin either March 27 or 28, and the final deadline for turning in candidates for the queen has been moved to Wednesday, March 26. This postponement was made in order that more juniors could get pictures over the holidays to turn in. With the picture should also be included the girl's name and home town. The voting on the campus will take place at the Information desk of the Administration Building in a similar manner to the UMOG contest.

Also scheduled for the junior dance is a cotillion, a ballroom dance on the order of a French quadrille, which is to be under the direction of Mrs. Margaret Bryan, prominent dancing instructor. Juniors interested in tak-

ing part in this cotillion are urged to contact Bob Baker, Box 1194, before Wednesday, March 19.

Tickets for the dance will go on sale next quarter at one dollar each. The dance will be open only to members of the junior class.

Seniors Requested To Fill Out Forms For BLUEPRINT

All seniors who are graduating at the end of this quarter are urged to stop by the Information Desk in the lobby of the Administration Building at the first of next week to fill out activity forms for the 1948 BLUE PRINT. These forms will be available at any time during the day, Monday through Thursday (March 17-20).

In the past it has been an extremely hard task to get each senior to fill out one of these forms. It is necessary for the BLUE PRINT staff to have one of these forms from every senior who is graduating in March, regardless of whether he has any activities or not, because the pictures appearing in the senior section of the year-book will be taken from the list of those seniors filling out activity forms.

Registration Schedule Issued By Registrar

The following instructions have been issued by the Registrar for registration for the spring term which will take place Monday and Tuesday, March 24 and 25, from 8:00 a. m. to 4:00 p. m. each day.

Numbered tickets will be used at the gymnasium on registration day to reduce waiting in line. Numbered tickets will be issued in serial order at the box-office window at the east door of the gymnasium. A student with a lower number may enter the gymnasium (west door) at any time in advance of a student with a higher number.

On Wednesday and Thursday, March 19-20, heads of departments will have a supply of low numbered tickets which will be issued through departmental offices to seniors only.

On Monday, March 24, only seniors with tickets numbered 1-600 will be admitted to the gymnasium from 8:00 to 8:30 a. m. After 8:30 a. m., students will be admitted to the gymnasium in the order of their ticket numbers, without reference to classification. Tickets will be issued in numbered order at the box-office, east door, gymnasium during registration.

(Continued on page 4)

Proposed Seating Plan

March 12, 1947

To The Student Body:

This is the plan that the Student Council will propose to the Athletic Board for the seating of students for the coming football season:

That students be seated in the West stands.

That students will occupy the section beginning at the fifty (50) yard line and going as far north as necessary.

That Seniors and married men be allowed to purchase date tickets at \$1.00 per game, the tickets being sold in reserved and book form.

That students bringing dates or wives be seated in a horizontal section occupying the upper tiers of the stadium.

That students not bringing guests will be arranged in the lower tiers and that these students comprise the cheering section.

That the team be seated in front of the student section.

This plan is the universal expression of the members of the Student Council and is offered only after most careful consideration. A survey has been made of the seating arrangements of other schools, similar to Georgia Tech, and it is the sincere desire of the Student Council to make our seating arrangements coincide with that offered by other schools. As soon as possible the permanent seating plan will be announced in THE TECHNIQUE along with a diagram of the stadium.

Noel Turner
Pres. Student Council

Westinghouse EE Fellowships Granted Alumni Foundation

The Westinghouse Educational Foundation has made a grant to the Georgia Tech Alumni Foundation for the establishment and administration

of two Westinghouse Fellowships in Electrical Engineering at Georgia Tech.

Applications are invited from men with Bachelor's degrees in Electrical Engineering from accredited engineering schools, whose previous work has been of a nature and quality sufficient to offer reasonable assurance of immediate success in advanced study in the Division of Graduate Studies leading to the degree of Master of Science.

The stipend for each fellowship is \$1,250 for a period of twelve months. Half of each fellow's time will be devoted to study and the balance to work in conjunction with the (Continued on page 3)


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Marine General Named Director of Tech Housing

Brigadier General Charles A. Wynn, U.S. Marine Corps (retired), Atlanta, Ga., has been appointed Director of Housing at Georgia Tech, it was announced by President Blake R. Van Leer. With the completion of Georgia Tech's permanent housing program in September 1947, General Wynn will supervise and administer dormitories and apartments accommodating more than 3,200 students and faculty members.

Born in Atlanta, Ga., July 5, 1890, General Wynn served more than 32 years in the U. S. Marine Corps, which included service in China, Philippine Islands, Nicaragua, Santo Domingo, South America, and the United States. During World War II and up to his retirement on January 1, 1946, he was commanding general of the Marine Corps Recruit Depot at Parris Island, S. C.

His wife is Winnie Floyd Wynn, of Fairburn, Ga. Their son, Charles A. Wynn, Jr., is a student at Georgia Tech now.

The housing accommodations at Georgia Tech, which are and will be under the direction of General Wynn, include nine dormitories on the campus housing more than 2,000 single students, houses and apartment units on the campus for 250 married students

and faculty members, housing units at the Lawson Apartment Project for 208 married students, and dormitory units at the Naval Air Station for 750 single students. Prior to World War II, the maximum accommodations



provided by the college on the campus were approximately 1,000.

General Wynn will be assisted by Mrs. Elaine F. Cook, housing secretary, and faculty supervisors residing at the various projects.

SAM, Newest Campus Society, Promotes Modern Management

This is the last in a series of articles concerning campus organizations at Tech.

The Georgia Tech Chapter of the Society for the Advancement of Management was formed during the spring of 1946 by a group of industrial engineering students as a stu-

awarded recognition as a campus organization.

Nation-wide

The Society for the Advancement of Management in its entirety is a combination of the Taylor Society and the Society of Industrial Engineers. Its purpose is to stimulate interest and understanding of the social, psychological, and economic implications of scientific principles of management, and to encourage study and research in the advancement of our standard of living by the application of scientific principles and methods of management to all fields of human endeavor. The student members are entitled to a subscription to the Society's quarterly journal, *Advanced Management*. Each student chapter is sponsored by a local chapter of SAM. The Tech Chapter is sponsored by the Atlanta Chapter of SAM.

Membership

Membership in the Tech Chapter is open to any Tech student who is enrolled in industrial engineering and who has completed his freshman and sophomore years. Programs consists of talks by outstanding engineers and businessmen, movies concerning principles of engineering and management, and open forums among the members. An occasional social affair is sponsored by the society. During its first year of operation the chapter has taken in almost one hundred students as members.

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Ted Trimble Elected President of A. X. S.

Alpha Chi Sigma, national honorary chemistry and chemical engineering fraternity, elected Ted Trimble to serve as president of the Tech student chapter at a meeting held Monday afternoon, March 10.

Other officers selected at this meeting were: Bob Maxwell, vice-president; Bruce Truett, recording secretary; Hazen Short, corresponding secretary; Len Diana, treasurer; and Hank Caulkins, master of ceremonies.

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Ordnance Major Joins Military Department

Major Joseph R. Caskey, Ordnance Department, joined the Tech ROTC staff on February 27 as an assistant professor of military science and tactics. Major Caskey comes as a replacement for Major Garnett J. Giesler who recently went on inactive status and returned to civilian life.

Major Caskey is an ROTC graduate and was originally commissioned a second lieutenant in the Infantry Reserve. In 1933 and 1939 he served with the Civilian Conservation Corps. He was recalled to active duty in February 1941 and during the war spent twenty months overseas. He served as a base ordnance officer in New Guinea and was later an ordnance maintenance officer in Wakayama, Japan. He wears service ribbons as follows: American Defense, American Theater, Victory, Japanese Occupation, and the Asiatic-Pacific with one bronze star for the New Guinea Campaign.

Major Caskey is a native of Montgomery County, Pennsylvania. He graduated with an AB degree from Lehigh University where he was a member of the Psi Upsilon fraternity. Prior to the war he was connected with the Bell Telephone Co. of Pennsylvania and John Wanamaker of Philadelphia.

Major and Mrs. Caskey are living temporarily at the Georgian Terrace Hotel.

Westinghouse—

(Continued from page 2)

new Georgia Tech A. C. Network Calculator on system studies for utility companies.

The Faculty of the Department of Electrical Engineering at the Georgia School of Technology will select the fellows based on submitted applications. The appointments will be for twelve months, starting September 1, 1947. Applications must be submitted by May 15, 1947, and successful applicants will be notified as soon thereafter as possible, but not later than June 15, 1947.

In addition to the fellowship, a veteran may use benefits under provision of Public Law 16 or 346 to defray tuition, fees, books and subsistence.

Single students are assured accommodations in the new brick dormitories on the campus scheduled to be completed by September 1, 1947. Housing for married students is scarce in Atlanta and there is no assurance that the situation will be alleviated during 1947.

Further information and applications forms may be obtained from the Head of the Electrical Engineering Department at your School or directly from Dean D. P. Savant, Head of the Department of Electrical Engineering, Georgia School of Technology, Atlanta, Georgia.

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Major Caskey

Evening Courses In I. E. Last Quarter Proved Big Success

Evening courses in industrial engineering subjects first given in the winter quarter at Georgia Tech have proved so successful that the number of subjects is to be tripled for the spring quarter, starting March 24, 1947, it was announced by President Blake R. Van Leer. According to Professor R. S. Howell, director of the evening school, all industrial companies who cooperated in the undertaking have expressed a desire to send about five times as many employees to the school as they did for the quarter now being completed.

Originally sponsored by the Associated Industries of Georgia, the courses were developed for men and women engaged in industry or business who wish to extend their knowledge of modern industrial developments and methods.

War Department Authorizes Student Assistants In ROTC

According to an announcement from ROTC Headquarters, the War Department has authorized the use of reserve officers with ROTC activities.

Professors of military science and tactics are authorized to utilize specially qualified members of the Officers' Reserve Corps who are students or faculty members at colleges or universities maintaining ROTC units, and who volunteer to assist the professors of military science and tactics by offering their services as assistant instructors during periods of instruction (either practical work or classroom) on the campus. Such service by members of the Officers' Reserve Corps will be recognized on a credit-hour non-pay basis. Instructions as to the amount of credit to be awarded

these officers will be announced by the War Department at a later date.

Reserve Officers at Tech who desire to participate in the ROTC program on the basis outlined above are invited to volunteer in writing to the Professor of Military Science and Tactics.

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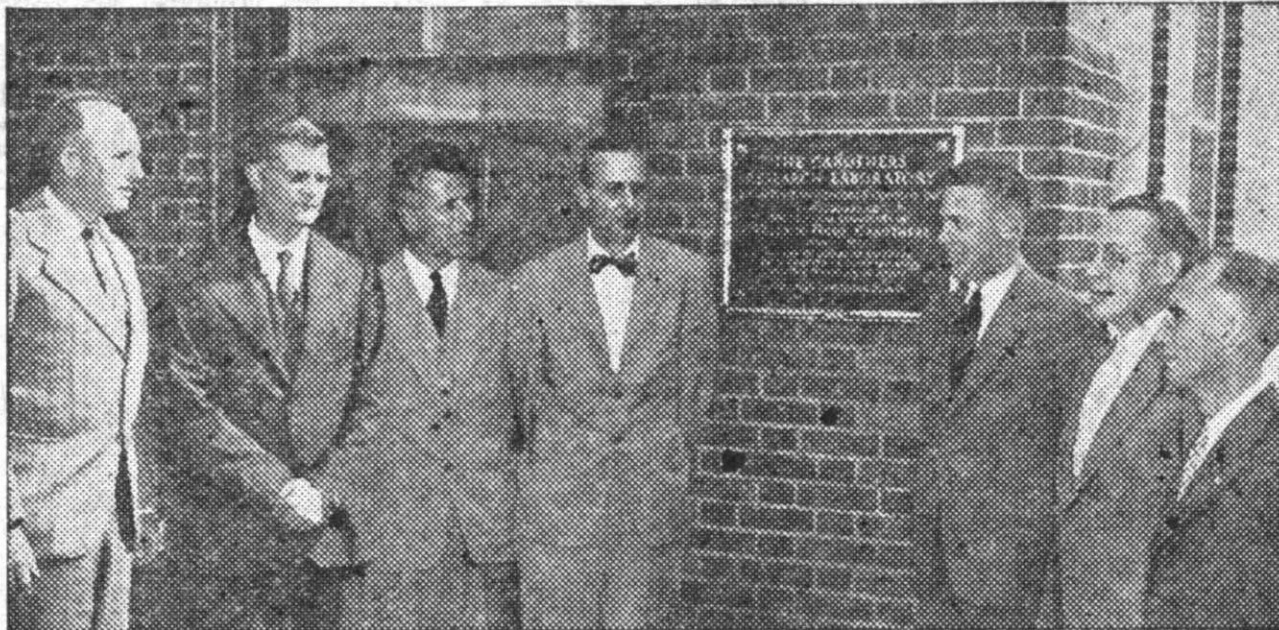
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Du Pont Digest

Items of Interest to Students of Science and Engineering

The Synthesis of Nylon



Chemists of original nylon research team honor memory of Dr. Carothers at the dedication. They are: J. W. Hill, Ph. D., M. I. T. '28; H. B. Dykstra, Ph. D. Ohio State '27; G. J. Berchet, Ph. D. Colorado '29; J. E. Kirby, Ph. D. Iowa State '29; E. W. Spanagel, Ph. D. McGill '33; D. D. Coffman, Ph. D. Illinois '30; and F. J. Van Natta, Ph. D. Michigan '28. Dr. Carothers received his Ph. D. from Illinois in 1924.

Recently the Nylon Research Laboratory near Wilmington was dedicated as "The Carothers Research Laboratory," in honor of the late Wallace Hume Carothers and his classical researches on the structure of polymers, the mechanism of polymerization, and the invention of nylon.

In 1928, a group of chemists under Carothers began a study of polycondensation which led eventually to the discovery of nylon. The project was part of a program of fundamental research to discover scientific facts which might be of eventual value in laying a foundation for applied research.

As the first point of attack, they chose the condensation of dibasic acids with glycols and reaction materials which would preclude the formation of rings. They obtained linear polymers of molecular weights between 2300 and 5000.

Molecular Weights Increased

After two years, a significant advance in linear polymer preparation was achieved. Through the use of the molecular still, it was possible to obtain materials of molecular weights between 10,000 and 25,000, which, when molten, could be drawn into filaments.

More important, the cooled superpolyester filaments could be further drawn into fibers several times their

original length and thereby acquired luster, tensile strength, elasticity, pliability, and toughness much greater than the initial polymer. In contrast with ordinary textile fibers, their tensile strength was unchanged by wetting.

The striking properties of the fibers aroused the hope of finding a commercial fiber from some type of linear superpolymer. Investigation showed, however, that fibers from the polyesters were too low melting and too soluble for textile purposes. Mixed polyester-polyamides were also not of interest in this category.

Research on Fibers

The possibility of a commercial fiber development seemed remote, but the intuition that frequently accompanies research genius prevailed, and Carothers was encouraged to direct his research on superpolymers specifically toward spinnable fibers. A polyamide from 9-aminonanoic acid gave a fiber of 195°C. melting point, equal in strength to silk, and clearly indicated the possibility of obtaining a material for fibers of commercial utility.

In 1935, the superpolymer from hexamethylene diamine and adipic acid was first synthesized. It melted at 263°C., was insoluble in common solvents,



Dr. Wallace Hume Carothers

1896-1937, was the first organic chemist in industry to be elected to the National Academy of Sciences. During his short scientific career he made contributions that have greatly enriched American life.

tough, elastic and had the best balance of properties and manufacturing costs of any of the polyamides then known.

A third period of research covered commercial development. The task was enormous, and to reduce to a minimum the "time between the test tube and the counter" a large force of some of the most competent chemists, physicists, chemical and mechanical engineers available was assigned to the project. The story of the manufacture of nylon will be told next month.

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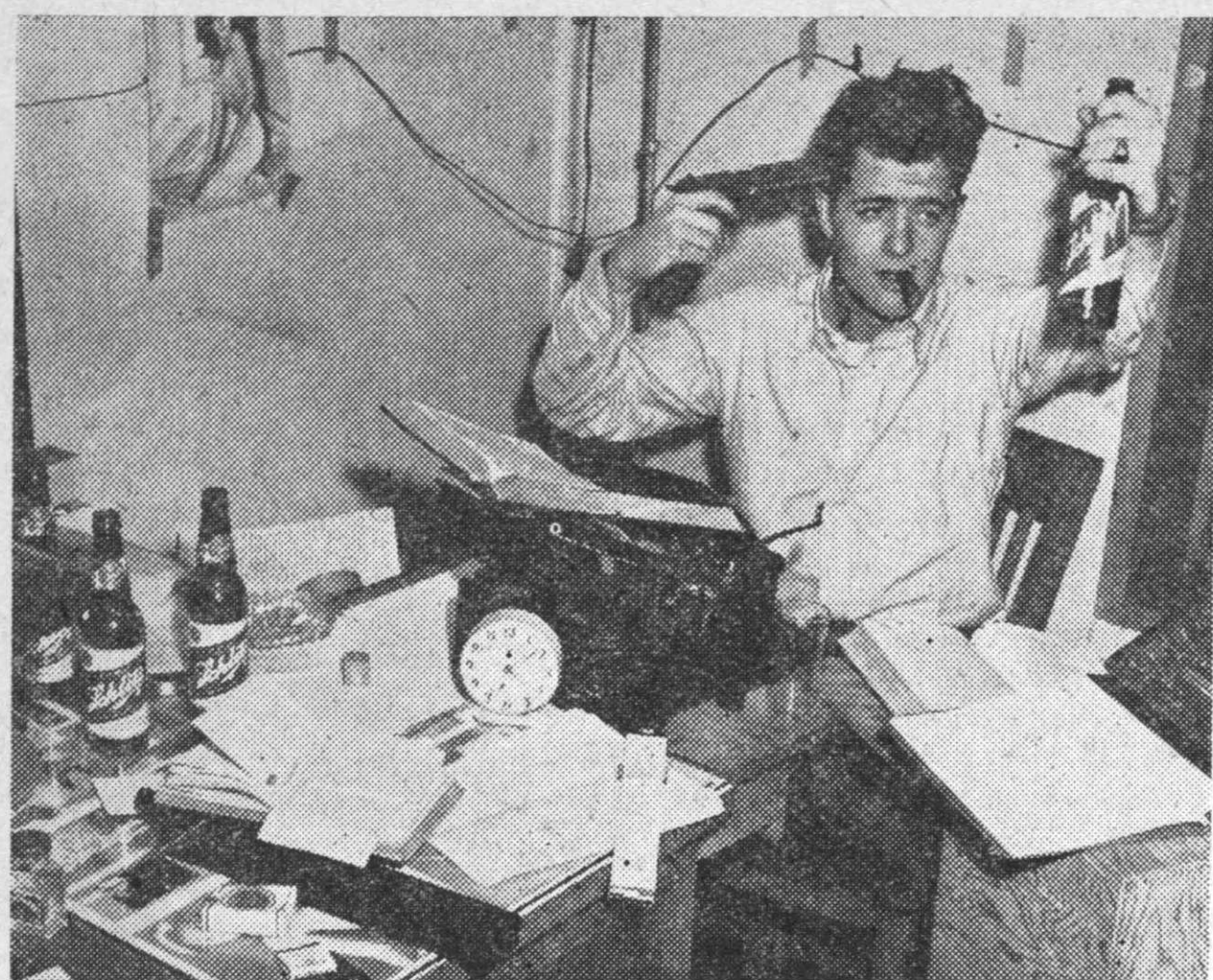
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Chapin Announces Schedule On Spring Term Registration

(Continued from Page 1)

(Seniors will have received tickets through departmental offices in advance.)

1. **GRADUATE STUDENTS:** Students who have been accepted for admission to the Graduate Division should obtain a post Office box (Room 102 Chemistry Building) and then report to the Office of the Graduate Division on March 24 in the Ceramics Building on Third Street. After completing registration according to instructions from the Dean of the Graduate Division, non-veteran graduate students should deposit two copies of the schedule in the Office of the Registrar, first floor, Main Building, and proceed to the Office of the Comptroller where they will deposit a directory card, a fee card, and pay fees. Graduate students enrolling during the winter quarter, after having obtained a schedule, fee card, and directory card through the Office of the Graduate Division, will deposit two official copies of their schedule in the Office of the Registrar. Veterans see paragraph 13 below.

2. **FIRST TERM FRESHMEN** (Veteran and non-veteran) who will carry a regular first quarter schedule will report to Dean Griffin in the Physics lecture room, March 24 at 8:00 a. m. Veteran's papers will be handled at this meeting, and instructions given concerning schedules and placement tests.

3. **COOPS RETURNING FROM A WORK PERIOD.**
a. Get grade report for fall term from Coop office.
b. Proceed to Gymnasium and present grade report to schedule adviser.
c. See Paragraph 5, 6, 13a.

4. **NEW STUDENTS ENTERING WITH ADVANCED STANDING AND FORMER TECH STUDENTS REENTERING:**
a. Register for Post Office box, room 102 Chemistry Building. Every student on the campus is required to have a Post Office box except those meeting classes at the Naval Air Station.
b. Go to first floor, Old Shop Building, for a statement of transfer credit (in the case of new students entering with advanced standing) or photostat of previous record (in case of former students reentering).
c. Proceed to the Gymnasium on Third Street for a schedule of classes and fee card.
d. At 4:00 p. m., March 24, veterans will report to the Chemistry lecture room (Room 108) for instructions in regard to necessary papers for the Office of the Veterans' Coordinator.

e. Non-veterans students will pay fee in the Office of the Comptroller, Main Building.
5. **TECH STUDENTS ENROLLED DURING THE WINTER QUARTER:**
a. Grades for the winter quarter will not be available by registration day. Schedule advisers will be supplied with a compilation of failing grades, however, which will be used for revising tentative course lists. Present your tentative course list to a schedule adviser in the gymnasium. (Second and third quarter freshmen, or irregular freshmen who will schedule no sophomore mathematics, sophomore physics, or sophomore chemistry will report to freshman schedule advisers. No tentative course list will be necessary.)
b. Veteran students see Paragraph 13 below.
c. Non-veteran students will pay fees in the Office of the Comptroller, Main Building.

6. **COURSE CARDS, DIRECTORY CARDS, FEE CARDS (ARMORY):**
a. Draw course cards in Armory.
b. Exchange course cards for fee cards.
c. Fill out directory cards.
d. Fill out directory cards.

7. **FEES:** Non-veteran students after having obtained a schedule, a fee card, and directory card, will pay fees in the office of the Comptroller, 103 Main Building, where the fee card and directory cards must be deposited. Fees must be paid before noon March 26. Veterans see Paragraph 13.

8. **PHYSICAL EXAM:** All non-veteran students entering the college for the first time in March (or who entered for the first time in January 1947), as well as all students who wish to take advanced ROTC, are required to take a physical examination. The examination will be given in the East Stand Training Rooms, March 28, at 8:00 a. m. Students concerned will be excused from classes.

9. **NAVAL AIR STATION CAMPUS:** Students living at the Naval Air Station will use the following Post address: "Naval Air Station Campus, Atlanta, Georgia." Registration for Naval Air Station students will be held on the main campus.

10. **CHANGES IN SCHEDULE:** No change will be permitted prior to Wednesday, March 26. Ordinarily, no change of issued schedules will be permitted except when initiated by the department concerned. Beginning Friday, March 28, all schedule changes must be approved by the divisional dean. Instructions for change of schedule will be issued at the Information Desk, Main Building.

11. **CLASSES WILL BEGIN AT 7:00 A.M. WEDNESDAY, MARCH 26.**

12. **NACP, regular ROTC, and 5-term Naval trainees** enrolled in the regular college will report to the Navy Office in the Naval Armory immediately after having completed registration procedures as outlined above. Fee cards must be deposited in the Office of the Comptroller.

13. **INSTRUCTIONS FOR VETERANS:**
OLD VETERANS—ALL students, undergraduates and graduates, who were enrolled as veterans in the day school for the winter, all D.E.T. graduates who were enrolled as veterans, and all students who have been enrolled at Georgia Tech as veterans at some past date and only interrupted their training, having secured their schedules and fee cards, complete the Veterans Information Form available at the Information Desk, First Floor, Main Building. Enter the center door of Knowles Building and turn in Veterans Information Form, change of address form if address has changed, fee card, and present recognition card to Miss Dougherty or Mrs. Nelson. Receipt for tuition will be given at a desk adjacent to that of Miss Dougherty or Mrs. Nelson.

NEW VETERANS FRESHMEN: All new veterans freshman students enrolling for the first time as veterans under Public Law 346 or Public Law 16 will meet at 8:00 o'clock March 24, Physics Lecture Room (Room 105) for processing veteran papers. After the veteran papers have been processed the students will enter the center door of Knowles Building and turn in these papers, and a fee card to Mr. F. W. Ajax. Receipt for tuition will be given at a desk adjacent to that of Mr. Ajax.

NEW VETERAN UPPER-CLASSMEN AND NEW VETERAN GRADUATE STUDENTS: All new students and returning former Georgia Tech students who are enrolling for the first time as veterans under Public Law 346 or Public Law 16 will meet at 4:00 o'clock, March 24, Chemistry Lecture Room (Room 108) for processing of veteran papers. After the veteran papers have been processed, the students will enter the center door of Knowles Building and turn in these papers and a fee card to Mr. F. W. Ajax. Receipt for tuition will be given at a desk adjacent to that of Mr. Ajax.

14. **LATE REGISTRATION:** Instructions concerning procedure for late registration will be issued at the Information Desk, Main Building. No registration will be permitted after March 28.

CRENSHAW FIELD SITE OF GYMNASIUM

The building going up on Crenshaw Field is to be a gymnasium used for the expanding physical training program at Tech and for intramural sports. It is being sponsored by the Federal Government in connection with the veteran's education facilities provision in the Mead Bill. The building was dismantled, transported from Camp Forrest, and will serve as a temporary addition to the over-stuffed school until the new campus makes its use unnecessary.

Ga. Tech Research Honored Recently

Two high honors were accorded to Georgia research activities this week. In its March issue, the Monthly Review of the Federal Reserve Bank of Atlanta in an article by Dr. Charles T. Taylor on "Industrial Research and Scientific Education" praised the work of the Georgia Tech Research Institute. Fourteen outstanding business and industrial executives of Georgia accepted an invitation from Colonel Blake R. Van Leer, chairman of the Board of Trustees of the Institute, to serve on an Advisory Council. It is expected that the number on the Council will be about thirty.

The Federal Reserve Bank article states that the State Engineering Experiment Station at Georgia Tech, set up by the Legislature in 1919, was the first to be established in the Southeast and that during the past 27 years it has lived up to its purposes "to aid directly in the development and integration of industrial and agricultural activities and the better utilization of resources in the South." Examples of the results obtained include improved methods of making rayon from Georgia pine pulp, obtaining textile fibers from flax, and extracting magnesium from olivine materials found in the area around Augusta.

Seniors—

(Continued from page 1)

Monday, June 9—

Research lecture sponsored by Sigma Xi in the afternoon.
Senior Final Ball.

Tuesday, June 10—

Interfraternity Council Dance.

Wednesday, June 11—

Commencement Program.
Reception for Dr. Paty.
Introduction of seniors in Alumni Association luncheon.



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"No wonder this prof believes in evolution!"

Tales Mine Professoren Getold Wenn Ich Nicht Lesson Gehat

By T. Green

Mucho yearen ago, der gelivit ein Studenten in dem U. S. A. (Union of South Africa), sudeasterner parten. Der Studenten bin gegangen sich to ein technicolor Colleger und him bin gecursed mit dot Languazungen geterrible—das Deutch. But so, therefore, hinein, like dis bin nicht gebaden enough, he hat ein Teacher who mostern geeager war. Dis Professoren bin genamt Herr Wrong.

Herr Wrong bin gebein ein gooder Man, that is, but he's nicht geknowen wann sie gestoppen wenn Homeworker geassignen. Sagt er, mit in dem geeyes ein mischeviser gleamen, "Readen sie only so gefaren so bist comfortabler on you."

But wenn in der classenroomer die classe hat gebeen, Herr Wrong bin getranslaten und gereadenen like gemadden, for de pooren Studenten to mit der Professoren up mit gekeepen. Quothein he, "Too gedamm many," ungequothein he.

Each afternoon, der stillnesser had bin gebroken by sounders mournfullers up of der Studenten bringen his Bookers Deutch gehomen from die Klasse in ein Wheelbarrower. He hat only ein gefew pagers to bin getranslaten—gesayen 54,398. Dis pooren gestudenten gespender many Hours for der Worders in der gebachen of der booker gelooken for hinein which bin nicht there about gehalfen timen. In factum, dis pooren Studenten bin geused three sets of Eyeballers already yet dis Yearen up, that is.

Der other Studenters who bin nicht gehaven Herr Wrong for Professoren, hat gelauged und gelauged until their Siders gehurten becausen their Professoren hat nicht to Classen gekomen. Howsomevern, their gelauged hat bin gechangen to Moanen wenn die Test bin getaken.

As a gefinal Commenter, der Studenten sagen, "Das Deutch war bin geeasy if it for die Germaner nicht war." Hinein.

Moralen: Allen dem Industrialer Managenter Studenten bin gedrawn der Golfen Clubber at Roomen ein, zwei, und drei.

Power Plant Promises More Hot Air

By Don Usher

One of the least-known-about buildings on the Tech campus is the power plant, which is located in the little hollow between the Textile Building and the Military Building. The power plant provides heat for the entire campus, steam for all labs, and all necessary direct current for the campus. It also has control of the little whistle that blows regularly at five minutes until the hour. Most students think that's about all it's there for.

In the power plant are three electric generators, a 75 KW AC to DC generator, four 200 h.p. steam boilers, and one new 60,000 pounds-of-steam-per-hour boiler which is the largest of its kind in the South. The average daily consumption of coal in winter is about 35 tons, and about 17,000,000 pounds of water is evaporated per day to provide necessary steam. In the summer a 50 h.p. horizontal emersion, automatic gas-fired boiler is used to provide steam for the labs. The employees required to operate the plant include a plant engineer, three

firemen, and five laborers.

The power plant, which is under the supervision of J. R. Jenkins, Sup't of Buildings and Grounds, has recently been completely repainted, inside and out. The entire power plant is now under close observation, and extensive study is being made for complete changes in some of its opera-

tions. Cost of these changes is estimated at \$450,000. In addition to the academic buildings, the power plant furnishes steam for the dining hall and all of the dormitories, except Techwood. It is expected to be able to furnish steam for the new dormitories and the new apartment building on North Avenue.



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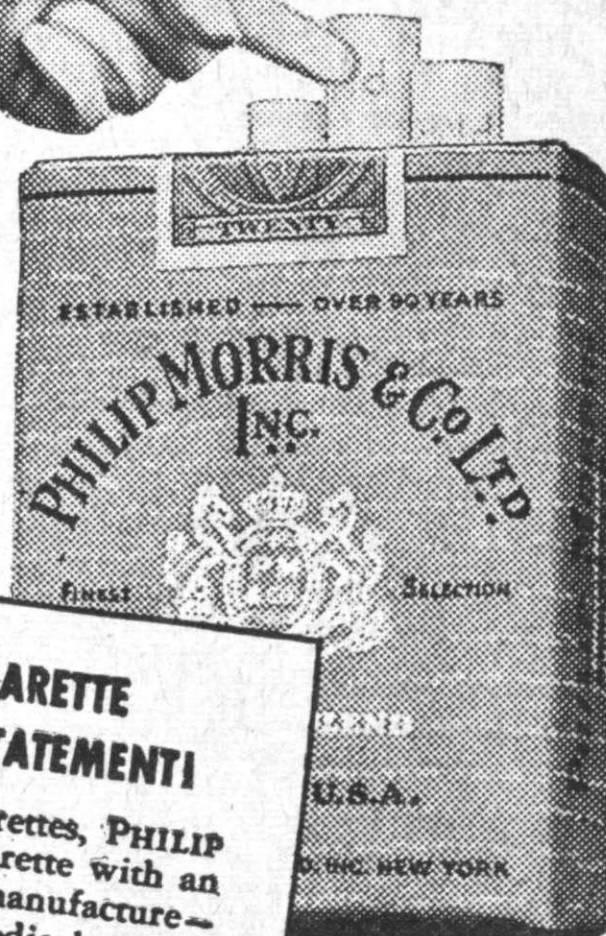
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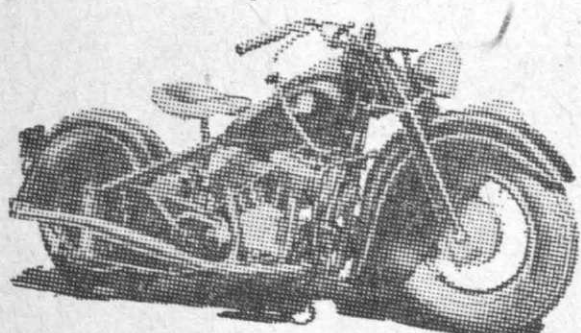
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Editorial:

Football Seats

Noel Turner, President of the Student Council, in this issue of the TECHNIQUE gives the official position of the Student Council on the football seating arrangement for 1947. This is an important subject, and one to which every student should give his careful attention.

Now is the time for the students and the Athletic Association to reach a proper understanding, and avoid the dissention and useless bickering that will come later if this is not done. The Student Council has been active this year in trying to arrive at a plan which would be agreeable to both the students and to the Athletic Association, realizing that the Student Council represents the student body and must do its utmost to protect their rights, but considering also that the AA has other pressing demands and that a reasonable plan must be had.

In considering the arrangements for this fall, the Council has tried to present an acceptable conclusion. The plan, as outlined by Turner this week, will probably not satisfy everyone, but then it is extremely doubtful if any one plan would. However, it represents a sincere attempt to get the best for the students and deserves their full support. It is up to everyone—the Students, the Student Council, the Athletic Association, and the administration—to work now and prevent any further unfortunate disputes such as that of last summer.

Thanks, Dean

A universal thought in the minds of seniors graduating from college is the question of where they will go and what they will do. Work is a necessity for almost everyone, and usually an immediate necessity. The comforting feeling of having a job to go to is all important, even in these times when opportunities are relatively plentiful.

In this line, a word of thanks should be given to someone who has devoted a great deal of time and effort toward making a place for Tech graduates in business and industry. He is Dean Fred Ajax, Director of Placement and Associate Dean of Students. His attention to the many problems coming to him every day has required patience and hard work, more than many realize.

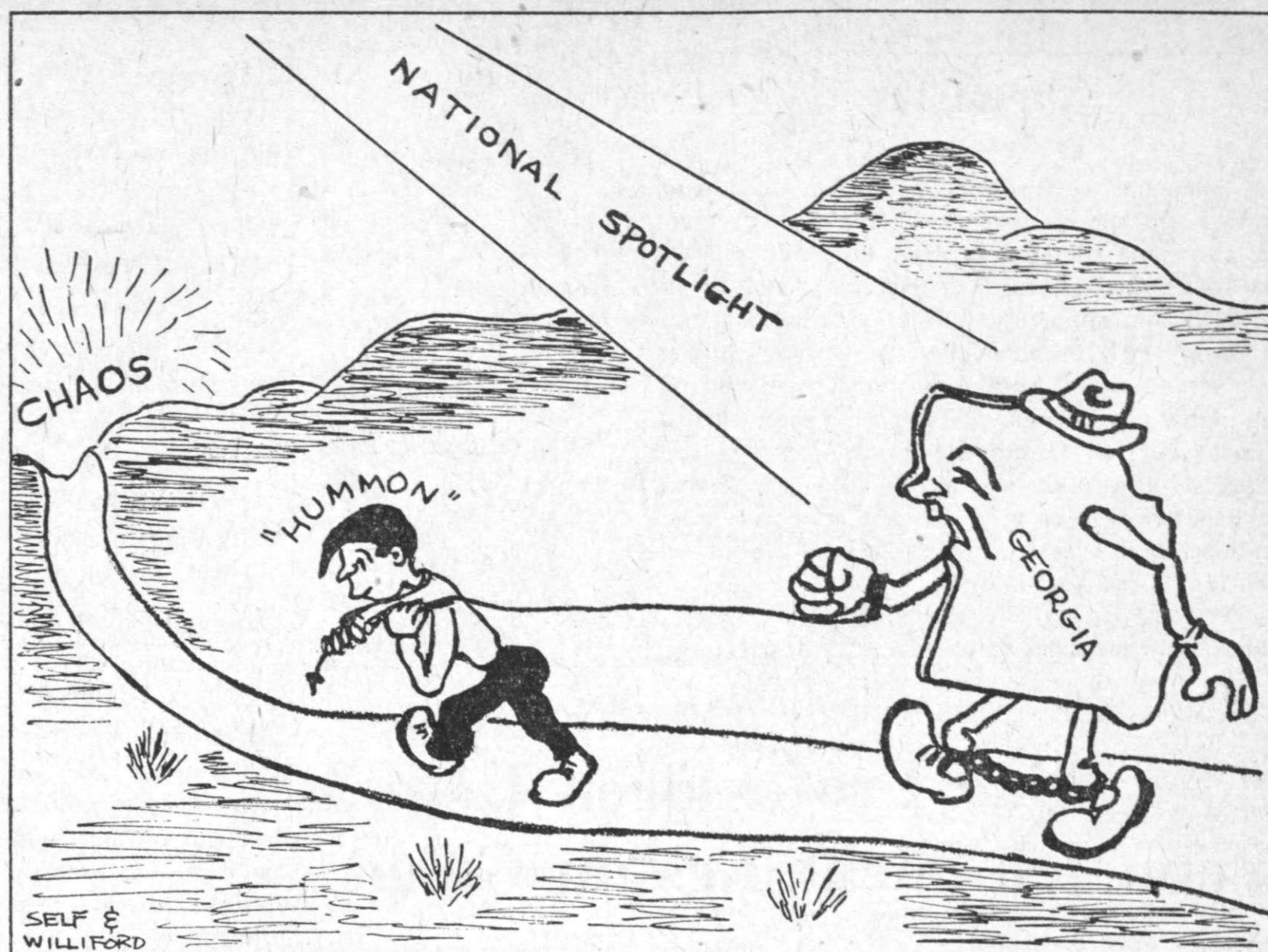
There are no promises made by Dean Ajax; no guarantees given. But an opportunity is offered for the seniors to meet the companies and the companies to meet the seniors. It's a tough job, and a job few want, but for Dean Ajax it is a job well done.

Criticism

"I think the Robbery is the biggest gyp-joint I've ever seen." Comments such as these are an all too frequent occurrence on the Tech campus now. Many of us are prone to criticize before we investigate, if we investigate at all, and thereby abuse our right to criticize. It was once aptly stated that "shallow wits censure everything that is beyond their depth." The average Tech student is certainly not shallow-witted, but even the most broad-minded and intelligent of us are often guilty of shallow thinking. Herein lies the cause of much of our discontent and undue criticism.

One of the fundamental purposes of a college education is the broadening of the student's mind. If we insist on concerning ourselves with the petty things in college life we are liable to become petty and small ourselves. If we can overlook such things as overheated lecture halls, broken chairs, and generally overcrowded conditions which are indeed very annoying, but hardly essential either one way or the other to the success or failure of our college careers, we will be well on the road to mental maturity. The man who concerns himself with the muddiness of his path soon loses sight of his ultimate goal, and is lost in the mire.

Down That Lonesome Road..



It's Backwoods Politics

By Jim Williford

Someone with a profound knowledge of human understanding once said, "It's not what you do, but the way that you do it."

It is indeed a shame that the politically-weary and nationally-spotlighted state of Georgia cannot comprehend that statement. Georgia has been made the subject of ridicule throughout the nation, not because it once had two claimants to the governorship, but because its politics are carried on in such a backwoods manner.

Abe Lincoln, our foremost "champion of the common people," came from the clay of the earth and yet obtained a dignity that gave him greatness. Not so in Georgia. A crafty crew of experienced politicians have used the language of the "wool hat boys" to help them in their meteoric rise to power. In so doing, they gave the nation the impression that Georgia was a primitive state with a haphazard sort of wild west democracy. When force was used to install our present Governor, "Hummon," the nation groaned in utter disbelief. More than one true Democrat had decided that even a Republican governor would be preferable to "Hummon."

Now that the Georgia Supreme Court is weighing the rival claims of the two governors, the nation pauses to see just who will emerge victorious in the battle of right over cunning. Already a laughing stock, the state of Georgia and the entire Southland—which also claims Senator Theodore Bilbo—will be ranked in political standing alongside our revolutionist friends in Central and South America. The best that we can hope for in event "Hummon" is favored with the decision, will be a substantial increase in our rural vocabulary, such as "runnin' hydrophobia."

In any event, the state of Georgia has just passed the point of political corruption on the road of political and economic chaos. The road is straight and short.

Profs Note

The Washington State *Evergreen* suggests that the next time your professor mentions how busy he is, remind him of the duties of a school teacher in 1661. At that time they acted as court messengers, served summonses, conducted ceremonial services of the church, lead the Sunday choir, rang the bell for public worship, dug the graves, took charge of the school and performed numerous other occasional duties. And not only that, but Adam Roelandson, one of the first school teachers in the colonies, took in washing on the side! (Associated Collegiate Press)

Drop an unkind word or careless:

In a minute it is gone,
But there's half a hundred ripples circling on,
and on, and on.—James F. Foley.

* * *

Don't give up, though the pace seems slow—
You might succeed with another blow.

—Author Unknown

Other Editors Say

(Each week the TECHNIQUE will present in this column excerpts from outstanding editorials from the many college papers received weekly.)

Ridicule or Pride

"The present crisis in Georgia will soon pass in one form or another. The form in which it does pass should, by all means, be left to the rule of the majority. At present, it seems reasonably doubtful that such will take place. The will of the people should rule and it will be entirely up to the people to assert themselves and make sure that it does. If and when this crisis is settled, the citizens should not settle back into lethargy once more and let similar crisis arise. But until the citizens of Georgia do take more interest in their government; until the individual learns to interpret the laws and constitution for himself; until the private citizen learns to speak his mind freely and without fear; until he stops depending on shifty, unscrupulous, lawless, and Godless politicians and ego-maniacs for his representatives, the once so proud 'Empire State' of the South will face many more such crises.

"YOU ARE A CITIZEN OF GEORGIA! ITS FUTURE IS IN YOUR HANDS! WHICH FINGER WILL OTHER STATES POINT AT GEORGIA? THE FINGER OF RIDICULE OR THE FINGER OF PRIDE?"

—The Kernel, Middle Georgia College.

Students Abroad

In regards to the recent W.S.S.F. campaign, a college editor emphasizes some startling facts.

"In Poland, the University of Warsaw, closed during the war and then 95 per cent destroyed, reopened in 1945 for 9,000 students, who live in dugouts, cellars, and huts. Forty per cent of them were in concentration camps, compulsory labor, prisoner of war camps, or resistance movements. Thirty-five per cent of these have tuberculosis. The government gives them only one meal a day. Sixty per cent of Warsaw's professors died in the war and the professors today, poorly paid, are lucky to have one shabby suit.

"One-half of the University of Oslo's 6,000 students are unable to find satisfactory lodgings. The University of Kiel suffered 85 per cent war damage. Students lived on barges until these were requisitioned for other purposes. Men students now sleep on straw mattresses on the floor of a machine shop.

"In France, a medical examination of 28,000 Parisian students revealed that they are 17 to 20 pounds lighter than the pre-war average. The percentage of tuberculosis in France has multiplied by ten times during the war, and mortality by five times. More than 1,200 French students need treatment in sanatoriums. In Strasbourg students live in an abandoned museum, without windows and furniture."

—The Gamecock, U. of S. C.

Departments

Chemistry

By Ted Trimble

A Bachelor of Science Degree in Chemistry climaxes for the student one of the most diversified and well rounded courses at Tech. In his fifty-one quarter hours of electives, the chem major has an opportunity to take, in addition to his basic work in chemistry, numerous courses in economics, math, English, social science, modern languages, physics, and innumerable engineering courses that may interest him. In this way the Tech graduate in chemistry has a broad cultural background, and is prepared for executive and administrative responsibilities, as well as scientific work.

Graduate Work Important

The fact that more than half of the graduates in chemistry continue their studies toward an advanced degree would indicate that postgraduate study is more of a necessity in this field than in most engineering fields. This is true since so much advanced research has been carried out, and knowledge in the field has progressed to such an extent. A Bachelor's Degree, therefore, supplies little more than a foundation.

For these reasons a prospective chem major should consider carefully before definitely selecting this field. Proficient chemists in either research or industry are paid well, but many years of hard work usually precede such a status. It



is necessary that the chemist derive considerable enjoyment from his work, to offset the great amount of patience and perseverance required.

College Provides Background

Undergraduate work provides the chemist with a general background in both organic and inorganic chemistry. In his graduate work, he usually specializes in one of these fields, basing his selection upon individual interest and upon opportunities presented him.

The graduate chemist with an advanced degree who selects research as his general field can enter any of numerous research laboratories sponsored by such companies as Merck, DuPont, and Monsanto. Here he may conduct individual research or carry out company projects. On the other hand the research chemist may affiliate with an educational institution and serve in various instructing capacities, using the facilities of the college to further his research.

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Those graduate chemists going into industry find positions studying improvements in the chemical processes employed in the industry, and supplying the scientific knowledge necessary for the development of new products on a practical basis. In both research and industrial work, the capable chemist often advances to higher paid supervisory and administrative positions.

The salaries commonly paid before the war, both in research and industrial work, varied with the amount of college training, averaging about the same for both fields. Starting pay for a graduate with a Bachelor's degree usually ran about \$1500 per year, while with a Doctor's Degree averaged about \$3500 per year. Opportunities for advancement depended mainly on the individual.

Assistantships Available

Thus the field of chemistry offers great opportunities for those willing to work. Advance degrees, which are so desirable, can frequently be obtained by the aid of assistantships and fellowships offered by most colleges. The nature of the work is such as to discourage those who seek an easy livelihood, and to gratify those who earnestly love the subject.



Income Tax Is Best

By Jim Rice

Means of providing funds for the operation of municipal, state and Federal governments have caused legislators in the past few years to lose more sleep than any other single problem facing them. The state and municipal governments have run into an increasing amount of difficulty in finding means of taxation which the public will support. The obvious truth is that in times of prosperity, the majority of citizens feel that support of their governments is not important enough to warrant the financial aid required. For this reason, we find many tax measures that are unfair now in existence since their nature is one that collects small amounts over a long period of time. The sales tax is an example of such measures. While nearly everyone realizes that taxes are inevitable, most people are apposed to all measures without supporting those which are best for the public welfare.

Professor Groves, an economist outstanding in the field of public finance, compares the various methods of taxation open to local governments in a recent article in the *Journal of Land and Public Utility Economics*. His views are expressed in this article.

Property, Sales, Income

From a theoretical point of view, taxes are tested in terms of their relation to the benefits received by the taxpayer or to his ability to pay. The three general types of taxes are the property tax, sales tax, and income tax. Let's examine all three under the above tests.

On neither count is there much to say for the general property tax. When faced with the reasoning that fire and police departments protect property, it's easy to show that a valuable fireproof building will depend less on a fire department than a worthless frame fire trap. Likewise, a high-priced idle lot will receive less police protection than a less valuable automobile. In terms of ability to pay, it shows up even worse. It's a debtors tax—one that allows owners no exemptions for liabilities, while often overlooking creditors. There is no way for such a tax to be applied to such assets as education, skill, talent, and experience. On two other points, it's particularly bad. Without intending to do so, assessors usually assess low-value property at a higher rate than high-value property, and, in second place, it's a levy on shelter for which poor groups pay a larger percentage of their income than rich.

Sales Tax Worst

Next on the list is the sales tax—the worst of the lot, and the one found most in the South. In *Studies in Public Finance*, Mr. E. R. A. Seligman states "the sales tax constitutes the last resort of countries which find themselves in such fiscal difficulties that they must subordinate all other principles of taxation to that of adequacy." A comparison with even the objectionable property tax upholds his opinion. Even if one assumes that miscellaneous commodities have the same relative importance in the lives of rich and poor, the amount spent for necessities is certainly on a different ratio to the total income. On property owners only is property tax a full burden—renters share only part burden.

Incomes Fluctuate

The alternative, then, becomes income tax, and before the question is even raised, objections arise. Some hold that income is national in character and cannot be divided for purpose of taxation by states and subdivisions; some that cost of administration would be prohibitive; and some feel that it would interfere too strongly with the Federal government's tax program. But the most important objection is that income fluctuates greatly over time cycles—a condition that would be treacherous to small governmental units, because of their weak credit standings.

In spite of the above objections, the income tax is unquestionably the most equitable tax, and one which would best serve the states' citizens. With the type of trained economists available to present monetary facts, it seems reasonable to expect that statesmen should be able to provide workable tax laws based on these facts.

You are not doing your work good enough unless you are doing the best you can.

—Martin Vanbee

* * *

The greater the difficulty the more glory in surmounting it.

Skillful pilots gain their reputation from storms and tempests.

—Epicurus

BOOK REVIEW

Walden

By H. P. McKinney

In his *Walden*, Henry Thoreau succeeds in his precept to "let everyone mind his own business, and endeavor to be what he is made." His business was unusual, but as a philosopher, naturalist, scholar, surveyor, stoic, idealist, and representative of the Concord Chamber of Commerce, he holds a unique place among America's men of letters.

He started an experiment in 1845 that was as radical as it was novel. Disdaining the material ambitions of his friends and neighbors as wrong, he took to a life of independence. With very little money, and a great deal of faith and fortitude, he went to live alone in the woods for two years. Believing that luxuries bind the mind and spirit of man so that they cannot rise, he proved that man could live, and live well, with just the bare necessities of food and shelter—and a philosophy of life. In himself he found that philosophy that constantly fed upon the life around it. He said that "Long ago I lost a hound, a bay horse, and a turtle-dove and am still on their trail."

The trail did not take him to foreign lands for the search centered in his own beloved vicinity of Massachusetts. Nature, which no man ever studied more closely or was ever linked in such close harmony with, was the scripture in which he read those things that go for understanding and beauty in life. Thus from the running out of sand from a snow-bank, he seemingly divined the oneness of things, and devised for himself the creation of the universe and the construction of those who inhabit it. Always is his philosophy tied with nature.

Ralph Waldo Emerson, in his panegyric on the death of Thoreau, bemoaned the fact that his friend did not grow from his obscure start to greater things. "Pounding beans is good to the end of pounding empires one of these days; but if, at the end of years, it is still beans!" But to the simple, sincere Thoreau the thought would have been unworthy. He said "I once had a sparrow light upon my shoulder while I was hoeing, and I felt that I was more distinguished by the circumstances than by an epulet I could have worn."

Walden came to me as a revelation. Hitherto, I have shied away from such authors as Thoreau because I considered them dull. Dull—what a misnomer! To have one's lethargic, torpid, and narrow mind seized and kneaded like a lump of dough is far from dull. Beyond the enjoyment of the description of Walden, is more wealth for the reader. If you gain one, only one, new conception; view but one new glorious expanse of nature and the soul; or but lose one of the old, binding, conventionalized ways of thinking, how immeasurably rich one can become. And such treasures are in *Walden* for the reader to seek.

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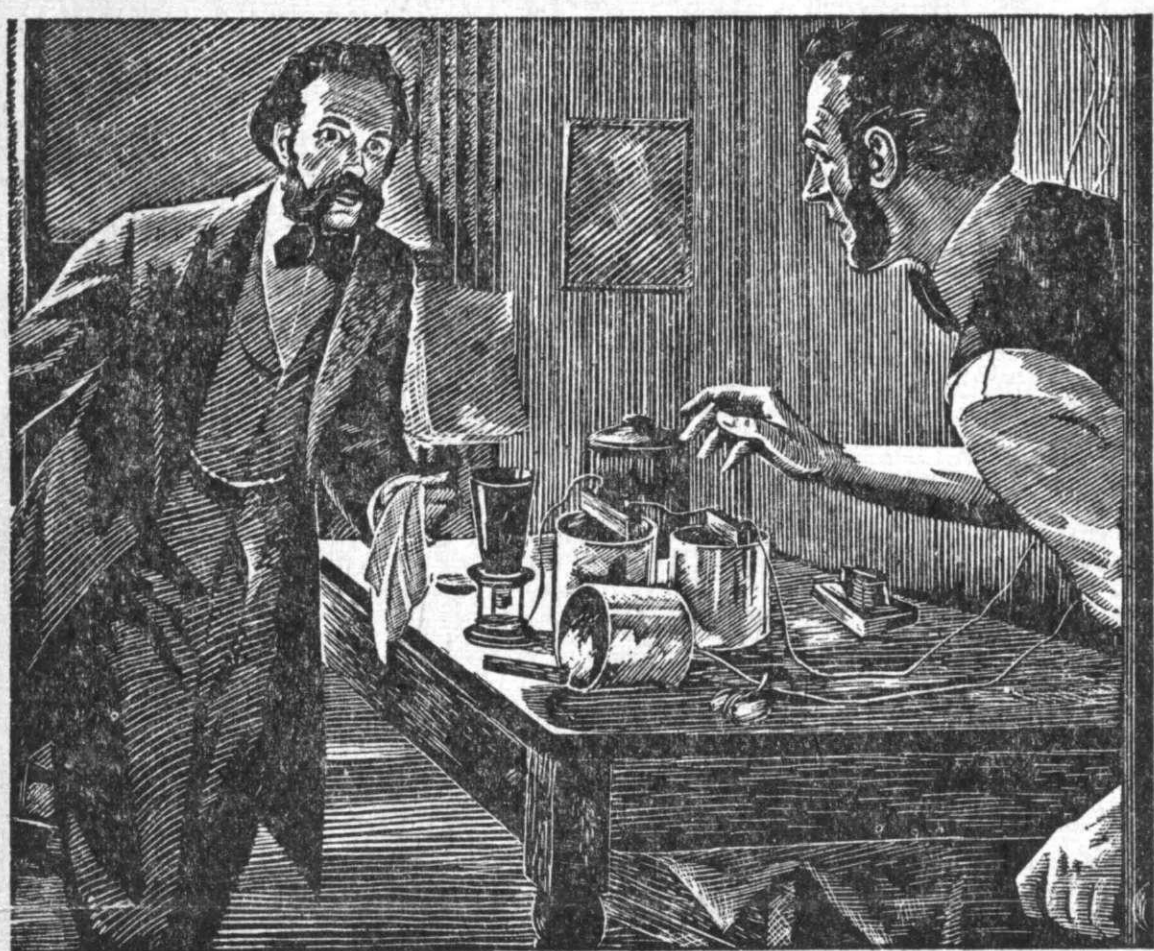
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His genius gave wings to words

It was an historic moment. Alexander Graham Bell's telephone had just spoken its first words—"Mr. Watson, come here, I want you!"

That evening in Boston—March 10, 1876—Dr. Bell's crude instrument transmitted his voice only to the next room. But out of it was destined to come a whole new era—the era of quick, easy nation-wide telephony, of radio telephony in all its varied forms, of talking pictures, voice and music reproduction systems and electrical aids for the hard of hearing. Few inventions have played a greater part in shaping the world we live in!

Since 1877—just one year after Bell's long experimentation was crowned with success—it has been Western Electric's privilege to help carry forward his great idea which gave wings to words. In that year Western Electric made its first telephone. More than 45,000,000 have followed it—over 4,000,000 of them in 1946 alone.

Today, from coast to coast, in factories, offices, distributing houses and central office installation crews, there are more than 110,000 Western Electric workers. Imbued with the Bell System spirit of service, they are helping to provide equipment in record quantities to meet telephone needs far beyond any envisioned by the inventor.

Alexander Graham Bell



This year marks the 100th Anniversary of Bell's birth in Edinburgh, Scotland, on March 3, 1847. From early youth, he was keenly interested in aiding the hard of hearing. He became a teacher of "visible speech" when 18 years old.

This work led to experiments with "telegraphing" sound, out of which, in 1876, came his greatest invention—the telephone.

Dr. Bell was a great humanitarian as well as a great scientist. His accomplishments—in aiding the deaf, in communications, in aviation and other fields—were outstanding. His rich life—which had an incalculably great influence on the world—came to an end on August 2, 1922.

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Read This Enlightening Expose Of Typical Modern Literary Tale

By L. Ellison

I often wonder if dead people really turn in their graves when something in the mortal world displeases them. If so, some of the men who have contributed to our literature would literally spin if they could see the printed carrion that the literary vultures of today feed on.

Tripe and Trivia

The various book clubs that have sprung up in the past few years are undoubtedly the cause for the popularity of the typical best seller. Two typical examples are *Kitty* and *Forever Amber*. By no means do these stand alone. These clubs have distributed large numbers of such trivia to the public. The readers and members are certainly not dissatisfied, else these books would have vanished long ago.

Bawdier the Better

Perhaps there is a question as to the literary value of these works. I have heard it said that *Forever Amber* presented a fairly good picture of English court life during the reign of Charles II. I doubt if the author had this end in view. I think rather that she followed what seems to be the

only rule for writing a best seller. The hero, or heroine, must be as lewd, loose, and lascivious as is conceivable. A rapid succession of lovers, mistresses, and mates (any combination of the three is considered entirely meet) which are discarded almost upon acquisition, it of the prime necessity. "The bawdier the tale, the better the sale" is a motto which all these writers must follow religiously.

Pornography First

To dig into Greek mythology for a plot is not considered plagiarism in the meanest sense of the word, but to unearth the same myth twice in one age, and so blatantly, is positively ghoulish. I speak here of *Kitty*. Shaw's treatment of the myth of Galatea's statue is both admirable and open. He even named it *Pygmalion*. The author of *Kitty*, on the other hand, seems to have followed the hard and fast rule for modern writers of "Pornography first; Plot second."

It's Very Doubtful

I am not a moralist, and when I



was younger, I read Donald Henderson Clark avidly. The people who make this type of book so popular, however, are adult. Perhaps there is some lasting contribution to our literature in these best sellers. Perhaps I have a warped view, but if this contribution is not discovered by some intellectual, and soon, our only hope is that perhaps the adults of this country will mature as they grow older.

Campus Peeks

by Jim Pearce

If you think engineers can't move like the morning locomotive, you should have seen them evacuate organic lab last week when an ether generator burst into flames that reached almost to the ceiling.

* * *

It is rumored that Dr. Eberhardt is sprouting horns and a tail because of the terrific quiz problem he gave to his P-Chem class on a quiz last week. The poor studes were every color of the spectrum when they walked (or, crawled) out of that one. He dreamed it up while he was home sick.

* * *

Prof Bortell presented a quaint picture fanning his electrons around the lecture room with a huge board. One intelligent sufferer remarked upon leaving, "If I suddenly ionize, do you reckon my wife could sue the department?"

* * *

Quote of the week . . . it was made by a student staggering out of a class in which the final examinations had just been announced: "I'd like to put him in a pot and boil him down to one drop!"

* * *

The I. E.'s had an intriguing little lab the other day . . . they were timing how long it takes to deal cards. I understand that poker hands get a much higher rating than bridge.

* * *

And for once the I. M.'s are having the long faces . . . namely

on account of because the cost accounting reports are coming due. "Should never have shot those nine holes last week-end," is the general comment.

* * *

It seems as if one of the frats had their most successful party in years last week-end . . . a fuse blew out and there weren't any extras anywhere to be found.

* * *

And speaking of fuses, have you heard the rumor that the IBM machine in the Registrar's Office blew four of them and a few gaskets while turning out deficiency reports? They shouldn't overwork the poor iron monster so.

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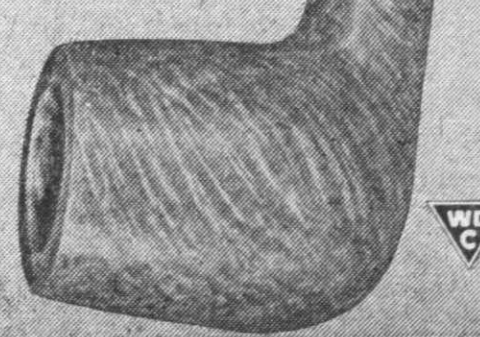


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Wrestlers, Paced by Batten, Place Second As Auburn Wins

The current wrestling season ended last Saturday when the Tech grapplers placed second in the SEAAU Wrestling meet at Auburn. Each member of the Tech team placed in one of the first three brackets for a total of two firsts, four seconds, and four thirds.

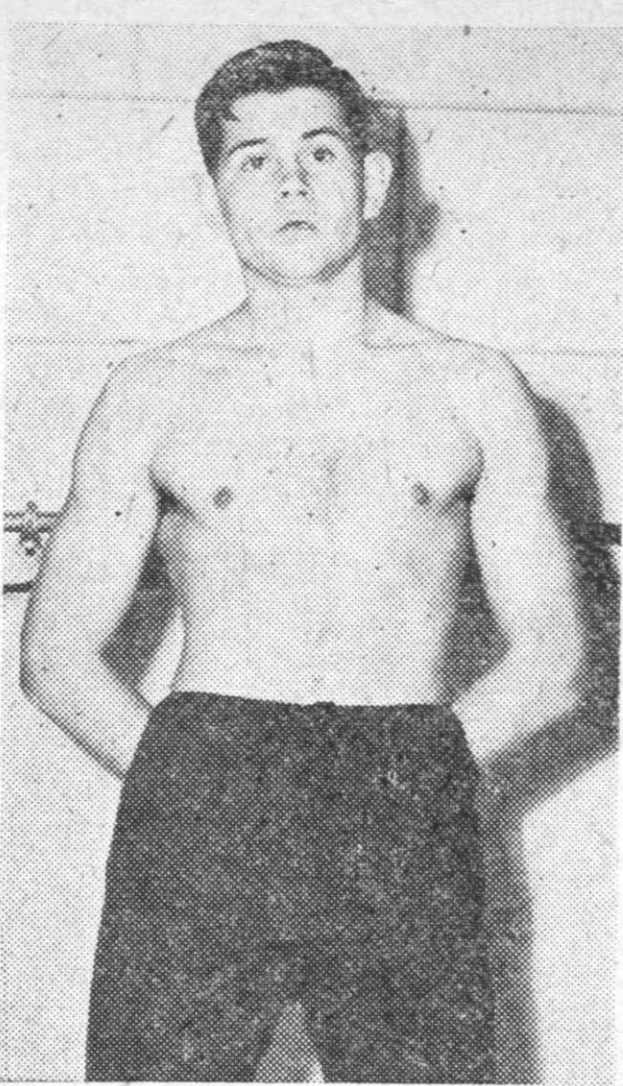
A field of 37 wrestlers including the Auburn, Tech, and Chattanooga teams and several independent wrestlers from other Southeastern schools participated. The powerful Auburn

aggregation took first honors with a total of 60 points. Tech was second with 44, and Chattanooga placed third with 14 points.

The brightlight of the entire tournament was the performance of Hosea Batten, captain of the Tech squad. Batten, a 155 pounder, was the only wrestler in the tournament who pinned all of his opponents in the first period. In his first match Batten pinned his antagonist in only 29 seconds, a record which stood throughout the meet.

Aubrey Basset in the 191 pound division was the other first place winner for Tech. Taking second places were Thornbrough (115), Gesler (128), Oglesby (135), and Andrews (145). Third place winners were Chandler (121), Donaldson (165), Moore (175), and Mathews in the unlimited division.

Coach Loyd A. Moll states that he is gratified with the showing his boys



Aubrey Basset

have made this season. The entire squad began the season with little or no experience but have shown a steady and marked improvement.

Swimmers Battle Gators In Last Meet Of Season

On Saturday, March 22, the Georgia Tech swimming team will wind up its 1947 season against the University of Florida, in Gainesville, Florida. The Jackets downed the Gators earlier this season here in Atlanta. Tech's men will be out to run their winning streak to nine straight.

The Florida aggregation made a fine showing against Tech when they were here before, setting a new Southeastern Conference record for the 300 yard medley relay. The Gators are much improved as can be seen by the fact that the Emory swimmers easily downed the Floridians here earlier but just eked out a win over them last week in Gainesville. The meet will wind up one of Tech's most success-

ful swimming seasons.

A squad of fourteen swimmers and two divers will accompany coaches Lanoue and Keyes to the sunny state of Florida. The men taking the trip will be: Captain Herb McAuley, Johnny Hiles, Charlie Flowers, Charlie Owen, Hugo Scheuer, Bert Edleson, Rial Rolfe, Johnny Chapman, Joe Topp, Dick Avery, Ed Swanson, Paige Griffin, Fred Curlin, and divers Haskew Brantley, Billy Hirshberg, and George Kirk. The squad will leave Atlanta by car on Friday morning for the trip south.

In their final home appearance last Saturday night, the Techmen trounced

(Continued on page 11)

Student Council Minutes

March 11, 1947.

The meeting was called to order at 7:30 P. M. with twenty-one members present and R. Davis absent.

The roll was followed by the reading of the minutes which were approved as read.

D. Johnson reported for the Dance Committee that Station WBGE will publicize and broadcast the Student Council Dance at a cost sufficient to cover technician salary and equipment.

The motion by R. Swinnie that funds be appropriated as needed to cover expenses connected with the broadcast was carried.

M. Hochmuth stated that the Constitution Committee had met with President Van Leer to discuss the present constitution and outline the proposed one.

N. Turner announced that the Athletic Committee met with Coach Alexander and discussed the student seating arrangement at football games. A letter by Pres. N. Turner, outlining the proposed arrangements to be presented by the Council to the Athletic Association will be published in the current issue of the TECHNIQUE.

D. Mader reported that the facilities and personnel of the Research Station will be available for the processing of films for publications.

R. Barnes informed the Council that Mr. Chapin is publishing an outline of the new registration plan in the TECHNIQUE, and stated that the new method is based on a numerical order with seniors having preference.

T. Cox reported that in order to install a drinking fountain in the library it will be necessary to first procure funds for the purchase. He also pointed out that in order to insure the possibility of a new record player in the library, student requests and backing are necessary.

The Student Council requests that the librarian establish a fund for the maintenance of the music room and the purchase of a new record player.

The motion by M. Hochmuth that the Student Council endorse the action of the Ring Committee in connection with contracts for the purchase of class rings, was carried.

D. Mader outlined possible sources of donations for Debating Club expenses. The motion was carried to donate \$200.00 to the Debating Society for expenses during the current school year.

President Turner read a letter from President Van Leer concerning the appointment of four men to the Student Lecture and Concert Committee. R. Barnes and C. Cooper were appointed to supplement the two men previously appointed.

He also read a letter from M. Koplin asking for a suggestion box in the dining hall and requesting the Council to take action on the registration system. N. Turner and T. Cox are to contact Mr. Barnes and inquire about the installation of a suggestion box in the dining hall.

A letter from L.S.U. concerning the Southern and Southwestern Student Conferences to be held in Baton Rouge was read. The motion of J. Torcassi was carried that Tech should send two representatives to this convention.

N. Turner announced that a meeting of veterans will be held on Thursday, March 13. V.A. representatives, Captain Strite, and Professor Ajax will be present to answer questions selected from campus poll.

A Joens asked the Council's endorsement of Engineer's Day sponsored by Tau Beta Pi. The motion by F. Kelley that the Council endorse Engineer's Day was carried.

A. Ingram opened discussion on regulations concerning examinations under the quarter system. J. Faulkner moved that a committee be appointed to see the Dean of Studies and Executive Dean to ascertain what policy is in effect governing exams and express the opinions of the Student Council as there are apparent violations concerning final exams.

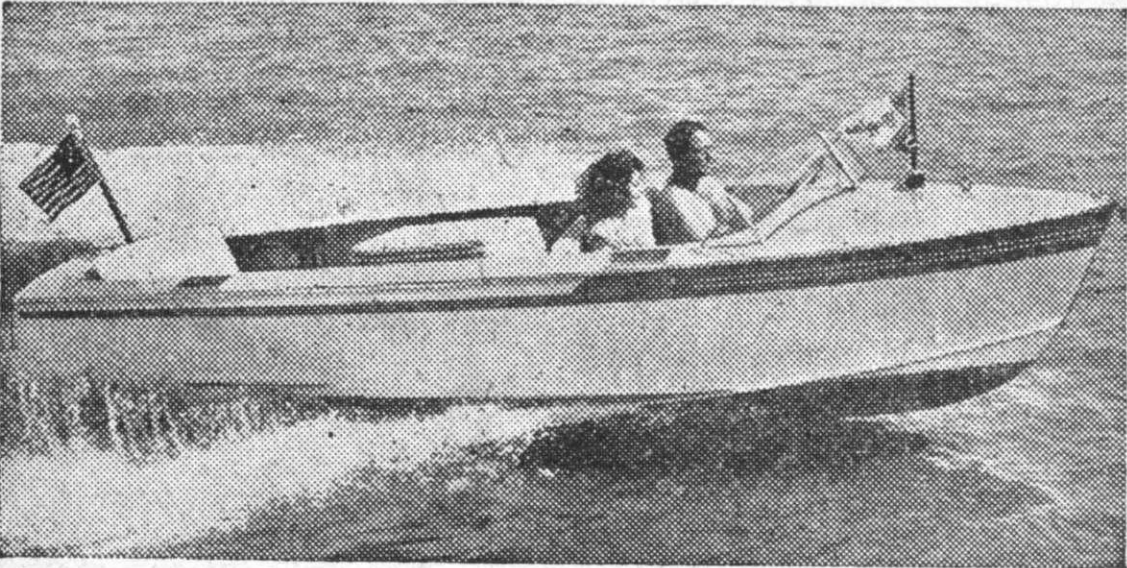
The meeting adjourned at 9:25 P. M.

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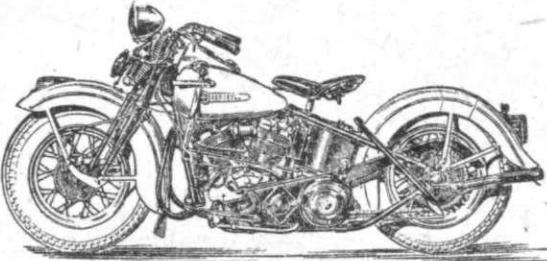
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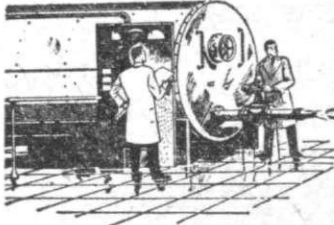
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Tennis Squad Opens Season With Miami

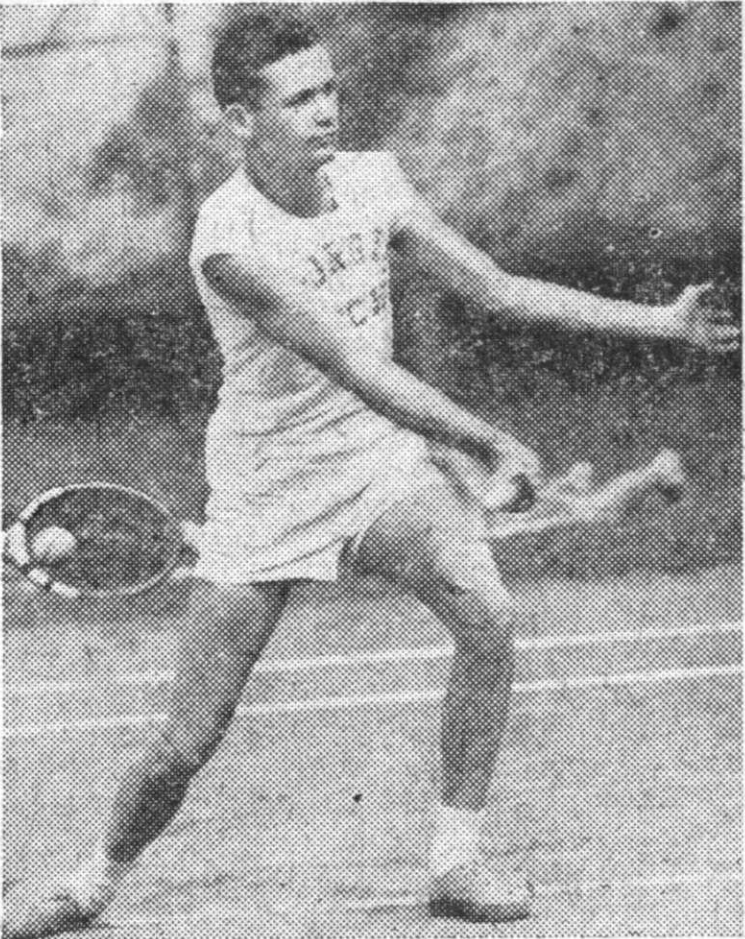
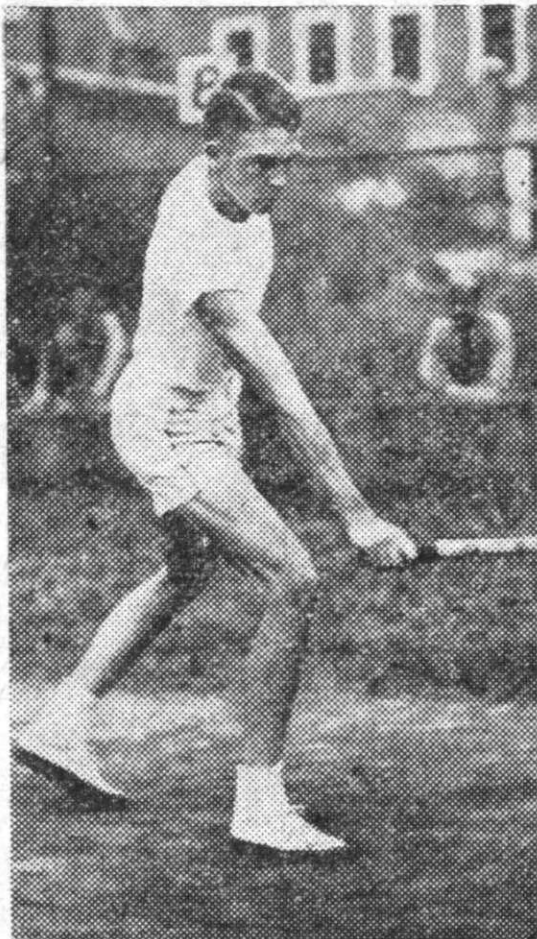
By Bill Gleason

Georgia Tech's tennis squad, stronger in all positions than it has been in years, will open the 1947 net season in New Orleans, La., April 4, against the University of Miami, and battle Tulane's Green Wave the following day.

With a red-hot battle still being waged for the number one slot between Dick Collier, Carl Maddox, and Niles Millsap, Coach Bortell has not yet announced his starting six. However, this trio will hold down the three top slots, with Ed Adams and Tom Fowler expected to be in at number four and five.

Collier and Maddox are returning lettermen from the unbeaten '44 team, while Millsap played behind Howard McCall at number two last season. Reed Brown and Bobby Hill are also counted on for some duty this summer.

Tulane, runner-up to Tech in the SEC tournament last season, was the only squad to stop the Jackets in the past four years, tying them 3-3, last year in Atlanta. They are considered one of the top teams in the South this year, even with the absence of Les Longshore who has been declared ineligible.



BATTLE FOR TOP—(L to R)—Carl Maddox, '44 veteran, Niles Millsap, back from last year, and Dick Collier, also from the '44 squad, are battling for the number one position on this year's tennis team. This threesome will hold down the top slots when Tech opens against Miami University, April 4, in New Orleans.

RIFLE TEAM PLACES THIRD IN HEARST

The Tech ROTC Rifle team has been notified that it finished third in the annual William Randolph Hearst Trophy Match for the Third Army Area. C. L. Hudson, of Tech, with a score of 186 out of a possible 200 was high.

Baseball Nine Begins Drills on March 26

By Joe Torcassi

With the current basketball season at an end, Georgia Tech's athletic interest shifts to Rose Bowl Field where Coach Joe Pittard's diamond turn-outs will start going through the paces on March 26.

Spring practice will continue until the first of May with the opening game of the season scheduled on May 6 against South Georgia State Teachers College.

This season marks the beginning of SEC competition after a lapse due to the war years. There will also be other games played against non-league ball clubs. As yet, no schedule has been released, but Coach Pittard has announced that it will be made available in the near future.

Winners of 10 out of 12 games last season, the Jackets rate a good chance of staging a repeat performance this year. All of the '46 regulars will be back with the exception of Frank Broyles who graduates at the end of the current quarter. Talent will run deep in all positions, giving advance notice that a great deal of good basketball will be seen on the Flats this year.

The pitching staff looks promising. Art Jennings, a southpaw who played here on a Navy V-12 nine, along with Dick McMillon, Hugh Wood, Frank Keyon, and Bill Boswick will be expected to carry a large share of the hurling burden.

The catching department is also laden with promising material. Herb Bergman, regular catcher on the '42 Jacket nine, heads the list of backstoppers who will be vieing for this position. Walt Crawford, Charlie Adams, and Hosea Batten are the

Continued on Page 12

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CURB SERVICE

Track Team Opens With Gators, April 5

With the opening of the 1947 SEC track season only a few weeks away, the Tech cindermen are pointing for their first encounter, a dual meet with the University of Florida squad in Gainesville, April 5.

Fresh from a preliminary test at the indoor meet with North Carolina at Chapel Hill last week, the team has demonstrated greater potentialities than last year's entry. Coaches Dean and Plaxico were well pleased with the Chapel Hill showing made by the team. Buddy Fowlkes acquitted himself excellently there, and he can be expected to repeat his showing through the season.

Among the sprinters, George Bailey, Joe Richardson, and Billy Queen are in line for considerable duty during the coming season, along with Al Lansing, Don Cady, Joe Anderson, and Johnny Stowers, all quartermilers.

Half milers who will be carrying the team's hopes include Renshaw, Branson, Gurry, and Houston. Jack Corridon is a standout in the miler category, and Dave Durst, holder of the conference two-mile title will be out to preserve it this season.

The hurdlers, under Coach Tommy Plaxico, include several standout athletes: Heidenreich, Foward, Gowkes, Coons, Cobb and Ormand. The high jump and pole vault categories will be represented in all probability by Dykes, Reiser, Leitner, and Carter,

Betas Win Frat Title In Bowling Finals

The playoff games for the Interfraternity Bowling Championship were bowled last Saturday afternoon in the Lucky Strike Bowling Alleys by Kappa Sigma, winners in the Gold League, and Beta Theta Pi, winners in the White League. The match was won by Beta Theta Pi.

Each team bowled a total of twenty-five games during the match, Kappa Sigma using five men while Beta Theta Pi used six men.

The Beta Theta Pi individual bowling averages for the title match give Short, 106.3; Clarson, 104.6; Daniel 104, Sermon 103.6; McBride, 95.3 and Caulkins 84. Kappa Sig averages show Smith with 100; Barnes, 97.8, Murrans, 94.8; Conner, 88.8; and Bruner, 86.8.

Dean Smith, Kappa Sig, received a trophy as the individual high scorer.

while Bob Davis, Dinky Bowen, Jim Nolan, and Herb Bergman, will carry Tech's interests in the weight events.



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By JIMMY WALL

Spring Brings Sports Out of Hibernation

In the Spring a young man's fancy lightly turns to thoughts of sports. At least at Tech that's where a good portion of the thoughts are going to turn.

For with the opening of the Spring quarter, March 26, no less than five sports, tennis, golf, track, baseball, and football, come back into the Tech sports scene. With basketball only a memory, swimming fast going, and wrestling on its last legs, Spring sports will hit the Flats in all their regalia within a little more than a week.

First to break away from the post is golf, with Prof. H. E. Dennison in the saddle. Prof. Dennison, who looks after the IM department when he is not busy with the golf team, will have some veteran linkmen back on hand. Returning from last year's team will be Gordon Clay, Tom Green, and Ike Scott, while W. W. Earthman is back after a stint in the service. These men will help christen the Spring calendar when they open the season, March 21.

A heated three-way battle for the number one position on the tennis squad is being waged out on the North Side tennis courts between last year's number two man, Niles Millsap, and '45's number three and four men, Dick Collier and Carl Maddox. These men are expected to hold down the three top positions, but in just what order is anybody's guess. Columbus' Ed Adams, and Tom Fowler, both members of last year's SEC title winners, look set for the fourth and fifth places, giving the Jacket netmen one of the best-rounded teams in teams.

Coach Bortell will carry his netmen down to New Orleans on April 4 to open the season against the University of Miami there. Miami fills the spot previously scheduled with Notre Dame. The Irish called the meet off when it was discovered that almost all of their varsity teams were slated for long road trips at the same time, and the budget wouldn't hold up under the strain. These AA's do have some monetary worries.

Conditioning work for the '47 football team moves into the picture during the first week with some old faces missing among the multitude expected to greet Coach Dodd at the start of his third year as head coach. Paul Duke, last season's All-America center and now a business man in Chicago, Walt Kilzer, finishing up his work this year for a degree, and Frank Broyles, newly-appointed Baylor backfield coach won't be around to answer the call.

College baseball at its best is due back at the Flats, starting May 6, according to genial Coach Joe Pittard. Practice will open the first day of next quarter for men not out for football, Coach Joe adds, with the smile of a man expecting great things from his club. The gridmen are expected to join practice following the termination of Spring football in time for the opener in Atlanta with South Georgia Teachers College. Notable among the lads coming late will be Jimmy Luck, Henry Schoening, Lewis Hook, Jim Stills, and Rabbit Jordan, all from last year's nine.

The trackmen of Norris Dean jumped the gun two weeks ago, competing in the North Carolina Indoor Meet, and will get down to outside stuff against Florida, May 5.

Solution Is Hoped For

Three separate seating arrangements for this Fall's football games at Grant Field are now being drawn up for presentation to the Athletic Board, March 18. Athletic Director W. A. Alexander, Business Manager Charles Griffin, and the Student Council are preparing plans to present to the board, and from this column goes the sincere hope that a satisfactory arrangement can be reached.

Repetition of last Summer's constant squabbles will be unfortunate. The Athletic Board will have a tough assignment in their hands.

Georgia Tech expects them to handle it well.

Swimming—

(Continued from page 9)

the University of Georgia by a score of 55 to 20. The Bulldogs took first place in two events, and Tech copped the remainder of the events. Johnny Hiles bettered his own record for the 220 yard freestyle for the highlight of the evening. The final relay was also a real thriller, in which the Georgia swimmers won out in a close contest. The results of the meet are as follows:

TECH (55) VS. GEORGIA (20)
 300 yard medley relay—Tech (Swanson, Owen, Avery); time: 3:27.1
 220 yard freestyle—Hiles (T), Best (T), Semple (G); Time: 2:15.8
 50 yard freestyle—McAuley (T), Avery (T), Faulk (G); time: 23.8
 Diving—Bantley (T), Scott (G), Kirk (T)
 100 yard freestyle—Edleson (T), Williford (T), Faulk (G); time: 57.1
 150 yard backstroke—Stewart (G), Avery (T), Swanson (T); time: 1:45.7
 200 yard breaststroke—Scheuer (T), Williams (T), Brail (G); time: 2:51.0
 440 yard freestyle—Hiles (T), Rolfe (T), Semple (G); time: 5:12.1
 400 yard freestyle relay—Georgia (Graves, Richardson, Faulk, Lippencott); time: 4:10.2

Golfers Open '47 Season With Tigers In Columbus

Bolstered by the return of six lettermen, Georgia Tech's Yellow Jacket golfers are hard at work in preparation for their first match of the season against the Auburn Tigers. This contest is tentatively scheduled to be played next Friday, March 21, in Columbus.

With prospects for the coming season the brightest in several years, the Jackets are sure to provide stiff opposition when the Southeastern Conference meet gets under way. Almost all the members of this year's squad are veterans.

Professor H. H. Dennison, who has coached Tech golfers every year since 1930, will again be at the helm of

the White and Gold linkmen. Coach Dennison has compiled a commendable record at Tech, twice winning the National Intercollegiate Tournament and being many times victorious in the Southeastern tourneys.

The official schedule for 1947 is still in the making and will be made public at an early date. All home matches will be played at North Fulton Park.

Members of the squad include lettermen Gordon Clay, Bill Earthman, Ray Ervin, Tommy Green, Ike Scott, and Davis Williams and newcomers C. J. Calhoun, Bob Barnes, E. M. Eager, S. R. Haynie, Frank Manley, Bill Pritchett, John Taylor, P. D. Gurley, W. D. Clark, and N. W. Hocking.

Campus to GENERAL ELECTRIC

TAX AUTHORITY



The Story of
DONALD MILLHAM
UNION '27

THE average man who stews over the filing of his annual tax return is apt to shake his head quizzically over Donald L. Millham.

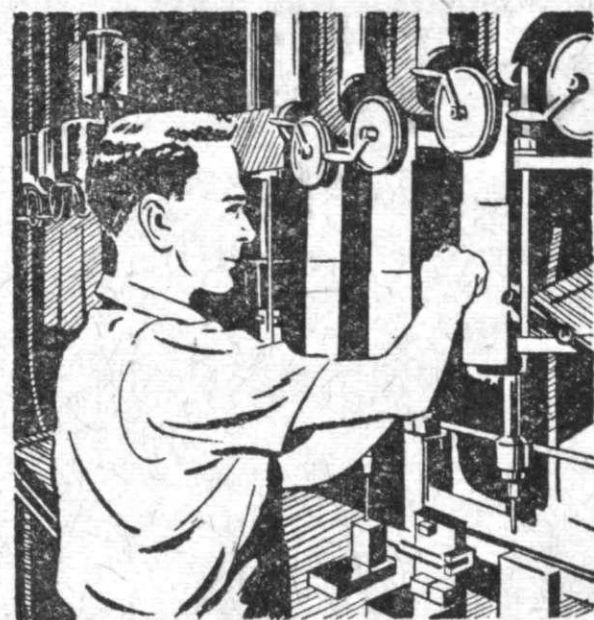
While he was in charge of General Electric tax accounting, Don used to file more than 500 returns a year—and like it.

Although he has a new job today—the difficult and important one of Comptroller—Don maintains an active interest in corporate taxation and is still considered the company's tax authority.

A career in corporate taxation problems is, Don admits, short on glamour, long on hard and diligent work. A dozen years ago he had about as much trouble as anyone in understanding the technical language of tax statements. But when an opportunity opened in tax accounting, he took the offer and learned the complexities of his job as he worked at it.

By meeting the challenges of an exacting and constantly expanding field of endeavor, Donald Millham had made for himself a useful and important career that has held his interest.

Next to schools and the U.S. Government, General Electric employs more college engineering graduates than any other organization.



To help pay his way through Union College, Don worked for General Electric during summer vacations, operating a drill press.

Today, the General Electric Comptroller, he maintains his interest in corporate taxation, in which he became the company's expert.



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Baseball—

(Continued from page 10)

other catching prospects.

Contenders for the infield positions include Jim Luck, sensation at second last year; Lewis Hook at shortstop;

and Les Tarbutton; Hunk Anderson; and Frank Shap at third base. Henry Schoening is counted on for duty at first.

Jim Stills and Rabbit Jordan will be returning from last season's team to bolster the outfield.

Lewis Hook, Jim Luck, Jim Stills, Henry Schoening, Ralph Slaten and Rabbit Jordan will miss the opening sessions due to football practice which will take place at the same time. Their services will be available after its close.

Phi Delta Theta Captures IFC Cage Championship

Reed, Mathews, Davis Star in Title Match

The IFC basketball championship of the campus was decided Wednesday night in a thrilling contest at the gym as Phi Delta Theta nosed out the Chi Phi's, 23-21.

The playoff tournament was between the top two teams in each league which included SAE and Chi Phi of the Gold League, Phi Delta Theta and Delta Tau Delta of the White League, and ATO and Sigma Phi Epsilon of the Tornado League.

In the preliminaries, Chi Phi rolled over SAE 54-35, and ATO 39-24, while Phi Delta Theta drew a bye and bested Delta Tau Delta 27-14 to become the only unbeaten teams in the tournament. Delta Tau Delta had previously won over Sigma Phi Epsilon by a score of 26-15.

The final game between the two winners was close and hard fought, with the lead changing hands several times in the last quarter. George Mathews, former varsity hoopster, sparked the Phi Delt team with his elusive speed and took high scoring honors with 11 points. Reed was a standout on the Chi Phi team, especially on backboard recoveries and took second place in scoring with nine tallies.

Bobby Davis, former varsity cage captain played a fine defensive game but fouled out in the last quarter after sinking 5 points.

Chi Phi (21)

Davis	5
Reed	9
Shepard	3
Taylor	2
Ewing	1

Substitute: Carver (1), Floyd, Payne.

Phi Delta Theta (23)

Mathews, C.	5
Mathews, G.	11
Griffin	5
Jenkins	2
Castleberry	0

Substitutes: Brodnax, Swanson, Parker.

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