Presidential Address to Freshmen Today
Chairman Straton Abears as Institute Officials

Freshmen Prey to Many Forms of Pressure Selling

Meeting in Afternoon

With present student scholastic of the freshmen student population at Tech, they usually arrived at the four-year college in the fall semester, in time to register. Freshmen face a variety of pressures, both academic and social, as they adapt to the college environment. This meeting is designed to help freshmen navigate these challenges.

Freshmen Frolic Despite Rain

European Expert Joins Hydraulics Staff of School

Professor W. Spanksnade to Supervise Graduate Research on Turbines

College Frolic Despite Rain

All freshmen are encouraged to keep in mind the free dining dinner which will be given today at the Hotel Kilby. The dinner will be held in the Hotel Kilby, and all freshmen are invited. A limited number of tickets will be available at the door.

Campus In-Service

A study in the average MacKinnon System Rating for each chapter as are the comparative standings of the fraternity and the university. The ratings are based on a comparative basis.

9. Sigma Nu
8. Kappa Sigma
7. Sigma Alpha Epsilon
6. Sigma Chi
5. Phi Mu Delta
4. Sigma Chi
3. Alpha Kappa Pi
2. Phi Beta Delta
1. Alpha Phi Delta

Design Engineer Transfers

Despite receiving his bachelor's degree from the College of Engineering, the student transferred to the College of Arts and Sciences to pursue a career in the humanities. He is currently working as a research assistant in the Department of English.

SCHOLARSHIP RATINGS

The table above shows the average MacKinnon System Rating for each chapter as are the comparative standings of the fraternity and the university. The ratings are based on a comparative basis.

3.13 25. Phi Kappa
2.66 22. Phi Kappa Sigma
2.76 21. Phi Sigma Kappa
2.97 19. Delta Kappa Epsilon
3.01 18. Beta Theta Pi
3.08 17. Phi Beta Epsilon
3.12 16. Phi Mu Delta
3.15 15. Phi Mu Delta
3.25 14. Phi Sigma Kappa
3.19 13. Kappa Sigma
3.01 12. Lambda Chi Alpha
3.04 11. Lambda Chi Alpha
3.00 10. Delta Epsilon
2.97 9. Sigma Alpha Epsilon
2.93 8. Sigma Alpha Epsilon
2.87 7. Sigma Chi
2.75 6. Sigma Chi
2.72 5. Phi Mu Delta
2.67 4. Phi Sigma Kappa
2.56 3. Alpha Epsilon Omega
2.48 2. Alpha Epsilon Omega
2.48 1. Alpha Epsilon Omega

300,000 POUND EMERY MACHINE REMOVED

Many students Watching Passing Of Thirty-Year-Old Apparatus

During the first week in September the 300,000-pound emery machine which had been in service for many years was removed in order to move it for a vertical machine of the same capacity. The new machine is to be run at the new location.

Illustration of One Subject

To illustrate the type of project which the three engineers are working on, the Board, one senior will be shown.

A large industrial firm has found that after three years of use their boilers have not been replaced. The old boilers carried 190 lbs. pressure. There is a demand for 60,000 lbs. water, but with little variation and there is a demand for 60,000 lbs. steam at 150 lbs. for industries, and for industries, the demand for the industrial steam being quite steady.

The three engineers work up a proposal requiring boiler of 170,000, operating with 150 degrees celsius, and turbines taking this high pressure steam and exhausting at 150 lbs. directly into the steam lines and supplying steam to the mill.

The engineers must exercise the Board that this modification of their plans will pay for itself in two and one-half or three years. The three engineers before making the Board are to prepare a paper covering the points they desire to make, and at it is said that these papers will contain much useful engineering value, it is planned to arrange the papers and give them to the closer in order for the members of the Board to prepare an answer.

At each meeting of the Board one in-structure on the history of the freshmen campus at Tech, but never visited this year's trip for almost the entire freshmen. The seniors and the activities of the Class of 1936 were never visited this year. For the crews the crew was just as bad and the hoofer very much more the same as usual.

Two hundred and twenty freshmen, a larger percentage of the class than last year's record-breaking attendance, enjoyed the hospitality of the Technological Christian Association at the Cambridge Methodists. The freshmen, who have the responsibility of attending, worked, as Disastable, Mass., and returned this morning.
Fifteen Year Old Freshman New Hangs In Fraternity Tier

Over the door entering into the dining room of the fraternity house was a fresco picturing Neptune and a group of frolicking sea serpents. A few feet behind, two拆除ing ladders were hoisted against the wall. The ladder nearest the door featured a plaque added by one of the few who have recently moved in. The plaque is the result of the efforts of the Sophomore Freshman Class to renovate the old Rogers Building. A plaque on top of the stair, which was prepared by the Sophomore Freshman Class, reads: "It was here that our beloved professor, E. C. Coddington, used to carry the faculty and students across the river until he retired."

The new ropes and pulleys have helped the water bridge across the river. On the other hand, the "Bouquet" was deserted. Last year the "Bouquet" was used to carry the water from the old Rogers Building. The water was poured into a large bucket, which was then transported to the other side.

Among the many problems which are being investigated in the department of Physics, Technology is now concerned with the construction of electricity through glass. Great advances have been made in this field and, according to the director of the department, a great deal of research is being conducted on the applications of discoveries in this field. Radio and other vacuum tubes, photo-cells, ultraviolet lamps, television tubes and arc rectifiers are only a few of the many devices whose operation is under investigation at the present time. Technological research is fundamentally dependent upon phenomena in this field.

Editor's note: Communications to the Editor will be given consideration where they seem to be in order. Letters must be signed by their authors to guarantee authenticity. Signature will be printed if desired.

Hold Mass Meeting for Candidates for THE TECH

Friday afternoon at five o'clock in the West Lounge of the Great Court, a mass meeting and mixer for new students will be held to discuss positions on the business and representative staffs of THE TECH will be held.

At this time the heads of the various accounts will be at the meeting and the departmental newspaper will explain the functions of the accounts. The candidates for positions will meet the present members of the accounts, and the membership of the accounts will be explained by the general manager and any questions regarding the work of the men on the staff will be answered.

Open Forum

Distinguishing feature of this year's Open Forum meeting is that it will be held in the Social Science building, which is the new home of the department of psychology.

The Department of Psychology is one of the oldest and largest departments in the University, and it is also one of the most important. Its purpose is to study the mental processes of human beings, and its methods are scientific. The department has a large number of students, and its courses are open to all students.

The department is well equipped with laboratories and equipment, and it has a large number of graduate students who are working on research projects. The department is under the direction of Dr. J. C. Hayes, and it has a large number of faculty members who are well known in the field of psychology.

Open Forum will be held on Thursday evening at 8:00 p.m. in the Social Science building, and all students are invited to attend. The purpose of the meeting is to discuss the department and its activities, and to answer any questions that students may have.
Freshman Rules

Students should wear regulation gym shoes, white socks, and gray caps. These should be clean when on the Institute grounds. No exceptions will be made for clean shoes. Students at Examinations will be expected to wear a clean shirt and gray caps. Students who are not in uniform at the time of the class day begin classes until the beginning of the next week. This rule will be enforced at Examinations. These shoes and caps are on Sale on Registration Day by the Physical Education Committee, and after that by the Corp.

Clubs

225 Students Have Had Physical Exams Made For This Year

Staff of Eight Doctors Ready To Examine 300 Undergraduates Today

By Saturday noon more than 225 members of the undergraduate student body of the Institute had been examined in their physical examinations and more than 300 appointments for next Friday have been made for Monday when a staff of eight doctors will be on hand to continue the work.

Out of a number of examinations that have been given thus far, the number of students who have been found to have far surpasses the number that had been given as a result of the first year of this program. The number of examinations that have been given has far surpassed the number of students who had been given an examination last year.

Facility Briefs

Prof. Norbert Winters of the department of Physics has been given leave of absence for next year, and will carry on research and investigations in mathematics and physics.

Field Day is One Week Earlier Than Announced

Field Day will now be held on Friday, October 30, this year instead of Friday, November 6, as was announced on the bulletin distributed by the Technology Christian Association. Considering the amount of the mistake is made to avoid any confusion in regard to preparations.

Harvard Trust Company

Dr. G. B. Waterhouse, professor of Physics at the Institute, headed a conference of the Metropolitan Life and the American Chemical Society in October of this year. The conference was held in New York City and was attended by many of the leading chemists in the world. Dr. Waterhouse gave a lecture on the subject of "The Relation of Metallurgical Education to Industry."
CALFREIGHTER

Monday, September 28

9:00-10:00 Registration and Fallena's
3:00 Address by Dr. Karl T. Compton in freshmen, 10-05
4:00 Freshmen meet in the Harriet Tubman Halls of Pleasure

Tuesday, September 29

7:00 Coffee meet in Room 10-03

Wednesday, September 30

Freshmen Leave Camp Massapoag for Registration

SPORTS, ACTIVITIES, AND WORK HOURS OF PLEASURE

THE TECH

New Type of Integrating Machine Developed by Dr. Truman S. Gray

E. Instructor Employed Two E-Photo Electric Cells in

CALCULATOR

A new type of calculating machine which is based upon the principles of the electron beam, is to be featured at the fall open house by Dr. Truman S. Gray in the department of electrical engineering, Massachusetts Institute of Technology.

The machine, which has been named the "Photo Electric Integraph," is to be demonstrated in the new labora-

tory of the department of electrical engineering.

The machine is designed to perform the operations of integration and differentiation, using electrons as the medium of trans-

mission. The electrons are deflected by electric fields and detected by photoelectric cells.

The machine will be demonstrated at the fall open house, scheduled for October 12. The lecture will be given by Dr. Gray, and the machine will be shown in operation.


tory.

Photo-Electric Cells in

THE TECH

THE TECH

Harvard Cooperative Society


tory.

The machine will be demonstrated at the fall open house, scheduled for October 12. The lecture will be given by Dr. Gray, and the machine will be shown in operation.

The machine is designed to perform the operations of integration and differentiation, using electrons as the medium of trans-

The heart of the machine, as in all electronic elements, is a vacuum tube. However, two of these tubes are used, one for each axis, and the result is a device that can perform both integration and differentiation simultaneously.

In its operational mode, the machine uses a beam of electrons to "integrate" across a plane, while another beam "differentiates" the same plane. The output from these beams is then combined to produce the desired result.

The machine is currently being used for various engineering calculations, and its potential applications range from physics to economics.

Incorporation.

Incorporation.

Incorporation.