

## 240 FRESHMEN LEAVE FOR CAMP MASSAPOAG TODAY

### CREW CANDIDATES WILL MEET COACH AT MASS MEETING

Two Shells Will Be Carried to Freshman Camp for Use Of New Students

### ALL FRESHMEN WILL ROW Varsity Will Race Harvard and Union Boat Club Crews in Two Weeks

Crew activities will get off to an early start for the Fall season at a general get-together for all candidates, which will be in Room 3-370 on Tuesday at five o'clock. At this time the men will meet the coaches and managers, and receive much valuable information about the benefits of crew as a sport and about the nature and conduct of this activity at the Institute. New men are especially urged to be present at this meeting, whether they have had any rowing experience or not.

#### Two Shells Present

At the annual Freshman Camp the entering students will have the additional benefit of actual rowing practice under the tutelage of experienced oarsmen. Two shells will be taken to the lake and rigged in time for the arrival of the freshmen on Friday. Coach Haines will be present at the camp as usual, and this year he will be accompanied by four veterans from the 1929 crew. Two of these men will be in charge of each shell for the purpose of instructing the freshmen in the handling of oars and preventing accidents.

Every freshman who so desires will have the opportunity of rowing in one of these shells behind men who know the game thoroughly. In this way they will get a better start toward their big goal on Field Day than they have had in previous years.

#### Race Held Soon

On Saturday, October 1, there will be a Varsity triangular race with Harvard and the Union Boat Club over the mile course. This means that it will be absolutely necessary for all members of last year's Varsity, Junior Varsity, and Third Varsity crews to report at the Boathouse on Monday afternoon for their first workout. Several crews will be organized as soon as possible after practice starts so that eight men can be selected to represent the Varsity in the coming race.

### TECH SHOW BEGINS WORK THIS MONDAY

Registration Day Is Date of First Mass Meeting

Work on Tech Show for 1930 will begin immediately according to a statement of the Publicity Manager, Fred J. O'Sullivan. A meeting will be held Monday when active work will begin. This year a new department will be opened for the making of scenery. An attempt will also be made to use original songs in the 1930 production.

Competitions for lyrics, music, program, and skits will be held as usual during the first term. The actual production will begin immediately after the Tech Show Smoker held in November. At this time a call is issued for candidates for the cast, chorus, and ballet. Last year the first presentation of the show was given at the Junior Promenade held in the Hotel Statler.

### I. F. C. Denounces All Rushing at '33 Camp

If the third annual freshman camp is to be what it was intended for, that is a breeding place of Technology spirit, the upper classmen present must forget rushing and give the T. C. A. their full support. Any rushing done by them is clearly dishonorable conduct and will have to be treated as such. It is the hope of the Interfraternity Conference that nothing on this order will occur.

(Signed) David Q. Wells, '30,  
President I. F. C.

### Prize Song Book Contains Varied Musical Numbers

Proceeds of Sales to Be Used In Purchasing New Shell For Boathouse

Copies of the newly printed Prize Song Book are now on sale at the Information Office in Room 10-100. A large number of the books have already been sold and since between two or three thousand books were published, there is enough for each student at the Institute to obtain a copy. The books cost one dollar each and the proceeds will be used for the purpose of buying a new shell for the M. I. T. boathouse.

Under the joint auspices of the Alumni Association, The Tech Show, and the Musical Clubs, a series of five yearly prize song contests was inaugurated in 1921, inspired by the hope of obtaining more songs which would earn favor with Technology audiences. Each of the organizations contributed \$50 a year to make up an honorarium to be paid to the alumnus, staff member, or undergraduate who composed and submitted the prize winning selection. All songs submitted were judged by a Prize Song Committee, consisting of representatives of each of the contributing organizations, and an undergraduate appointed yearly by the Institute Committee.

Because of the inevitable inertia which is to be overcome in undertaking a project of this nature, the contest did not culminate until the spring of 1929, prize awards being made in 1922, 1923, 1925, 1927, and 1929. Concomitantly with the selection of each prize song, the Institute Committee appointed yearly a sub-committee known as the Song Book Committee, to compile and publish a third edition of Technology Songs. The completion of the Prize Song Contests makes possible the fulfillment of this committee's work.

#### Dedicated to Bullard

The first edition of "Tech Songs" was issued in June, 1903, and was edited by Frederic Field Bullard, '87, the second edition was published in 1907, to whom the song book is dedicated; and edited by a Song Book Committee of that class. This third edition differs from the first two in that, with few exceptions, all the songs are harmonized for men's voices. Of the seven songs not thus harmonized, six are selections originally composed or arranged by Mr. Bullard, which are left in unison because of their effectiveness as unison songs.

In compiling the selections, all Tech Show music was carefully studied and only songs emblematic of Technology were chosen. These Tech Show selections, the Prize Songs, and selections from the book published in 1907, comprise the contents of this edition. All songs included in this edition are published with the consent of the author, composer, or original publisher.

### HYDRAULIC TURBINES SUBJECT OF LECTURES

Dr. Ing. D. Thoma of Germany To Speak at Institute

Dr. Ing. D. Thoma, Professor of Hydraulics, Water Power Machinery and Water Power Plants, and Director of the Hydraulic Institute at the Technische Hochschule, Munich, Germany, will give a series of lectures at Technology beginning October 2. The lectures on Hydraulic Turbines and related subjects in water power plant design will be illustrated by motion pictures and slides. The addresses will be given in room 1-190 at 2 o'clock and are open to the faculty and student body.

### CALENDAR

Friday, September 27  
2:30—Freshmen leave for T. C. A. Camp  
Monday, September 30  
9-5—Registration Day.  
3:00—Welcome to Freshmen. Room 10-250.  
Tuesday, October 2  
9:00—Classes begin.  
Wednesday, October 3  
5:00—Meeting of candidates for THE TECH.

### FRESHMAN CAMP PROGRAM

#### FRIDAY

2:30 P. M. Assembly at Walker Memorial to leave for camp.  
5:00 P. M. Swim.  
6:00 P. M. Supper.  
Introductions—Theodore A. Riehl, T. C. A. Freshman Service Division Director.  
History of Camp Massapoag—John Waters, Camp Director.  
7:30 P. M. Assembly in Social Hall.  
Walter Humphreys '97, M. I. T. Corporation Secretary—History and Traditions of M. I. T.  
John F. Bennett '30, President of Senior Class—Institute Committee.  
Robert P. Crowell '30—Walker Memorial Committee.  
Technology songs and cheers—Orville B. Dennison '11.  
Assembly at Council Ring.  
Col. F. L. Locke—Personnel Bureau.  
Col. R. C. Eddy—R. O. T. C.  
9:45 P. M. Leaders' Meeting in Social Hall

#### SATURDAY

6:45 A. M. Reveille. Setting-up exercises and dip.  
7:30 A. M. Breakfast. Announcements.  
8:15 A. M. Camp details.  
9:00 A. M. Discussions with Rev. Sidney Lovett.  
9:45 A. M. Presentation of activities, Jack Bennett leading.  
10:30 A. M. Group activity meetings in tents.  
11:30 A. M. Swim.  
12:15 P. M. Dinner. Announcements.  
2:00 P. M. Coach McCarthy on athletic program.  
5:00 P. M. Swim.  
6:15 P. M. Supper. Announcements.  
7:10 P. M. Assembly in Council Ring—President Stratton, Assistant Dean Lobdell, Bursar Ford and Mr. Pitre, Freshman registration officer, speaking.  
Assembly in Social Hall—Mr. O. E. Dennison '11.  
9:30 P. M. Leaders' Meeting.  
10:00 P. M. Taps.

#### SUNDAY

8:00 A. M. Reveille—setting-up exercises and dip.  
8:45 A. M. Announcements. Breakfast.  
9:15 A. M. Camp details.  
10:00 A. M. Discussions with Rev. Sidney Lovett.  
11:00 A. M. Track Meet—Coach Hedlund in charge.  
12:00 M. Swim.  
1:00 P. M. Dinner. Announcements.  
2:30 P. M. Baseball game.  
4:30 P. M. Vesper Service with Rev. Sidney Lovett.  
5:15 P. M. Swim.  
6:15 P. M. Supper.  
7:15 P. M. Discussion in tents with upperclassmen.  
8:00 P. M. Final assembly in social hall.  
10:00 P. M. Taps.

#### MONDAY

6:45 A. M. Reveille.  
7:15 A. M. Breakfast.  
8:30 A. M. Departure for Cambridge.

### NEW STUDENTS TO GET ACQUAINTED AT ANNUAL CAMP

30 Upper Classmen and 10 Adults to Accompany Class of 1933 Men

### WILL RETURN MONDAY

T. C. A. Sponsors Fourth Annual Camp to Be Held This Week End

Two hundred and forty members of the class of 1933, 30 upperclassmen selected from the Institute activities, faculty members and officers of Technology will leave in buses from the front of Walker Memorial this afternoon at 2:30 o'clock for the fourth annual week-end camping trip at Camp Massapoag in Dunstable, Mass. The Technology Christian Association sponsors this outing which was organized for the purpose of enabling the incoming class members to become adjusted to their new surroundings at M. I. T. and get acquainted with their classmates.

In 1926 there were 88 men who went out to the camp, which is owned and loaned by the Cambridge Y. M. C. A. Mr. John Waters of this organization is the camp leader and will take charge of the men on their arrival. The camp is situated on the shore of Lake Massapoag, 38 miles from Boston.

#### Activities Represented

Representatives of all the activities at the Institute will be present to give the campers an idea of the customs, traditions, and life of the college. These delegates will discuss the opportunities in sports, newspaper and magazine work, dramatics, the R. O. T. C., professional societies and other extra-curricular activities.

The President of the Institute, Dr. Samuel W. Stratton, will be present at the camp for the first time in its history, since he has never heretofore been in Boston at the time. The new Secretary of the Corporation, Mr. Wal-

(Continued on Page 3)

### SOCCER CANDIDATES TO REPORT MONDAY

Nine Veterans Will Form Basis of This Year's Eleven

Practice for the Fall soccer season will begin at Coop Field on Tuesday afternoon at four o'clock. All candidates for the team are expected to report at this time in order to start intensive training without loss of time.

Nine letter men have returned to school this year and will be led by Captain Ed Hawkins and Ted Reihl, both of whom have had two years' playing experience on the Technology team. Never in the past five years have the prospects for a successful season been so bright. In addition to the veteran players, there are a large number of men from last year's freshman team who will return to furnish a lively competition for places on the Varsity eleven.

Coach Welch will do the work on the sidelines this year, and under his guidance a great deal can reasonably be expected. During the Spring season of last year two games were played, from which he learned much about the men and the needs of the team.

### M. I. T. Coed Becomes Airplane Mechanic

Employed as a regular mechanic at the Sky Harbor Airport at Chicago, Helen Mayune was found by a reporter of THE TECH and is one of the few women who took many of the courses in electrical engineering and aeronautics at the Institute. She has been repairing and replacing parts on Ford planes and will continue this work as it is to her liking. Besides this occupation she became a pilot and was the first woman at this Chicago airport to make a solo flight. As another occupation she is considering becoming a commercial pilot.

### Blimp Placed at Round Hill For Use in Research

Small Non-Rigid Dirigible Will Be Used for Work in Fog Navigation

During the early part of the summer a great deal of interest was aroused by a small non-rigid dirigible which was delivered at Technology. This blimp was placed at the disposal of the Institute by the Goodyear-Zeppelin Corporation over which Paul W. Litchfield '96 president of the Alumni Association, presides. The airship, recently christened the "Mayflower," will be used for experiments in navigation in fog.

It is expected that the "Mayflower" (Continued on Page 2)

### Gunfire Promised as Amusement for Frosh

Bing! Bang! Boom! Such sounds as these will be a common occurrence at the frosh camp over this week-end when the army takes things in hand. The freshmen will have a new form of amusement which will probably become one of the most popular camp diversions. Under the supervision of Colonel Eddy and Captain Hall of the Military Science Department an outdoor firing range will be set up and over 10,000 rounds of ammunition have been provided for the freshmen to shoot off. According to all indications it won't be very healthy to linger out in the woods after the fireworks begin.

### Hedlund Issues First Call for Track Material

Freshmen Harriers Are Urged To Report on Monday To Meet Coach

Track and cross-country have been among the major sports at Technology for a great many years, for several reasons. Track is one of the sports that requires very little of the students' time, as each man may work as an individual whenever it is convenient for him to come out, since team play is not required. The season lasts from the opening day of school to the close of the school year in May, with plenty of action all the time. The schedules for the coming year are arranged so that the freshmen will have ample competition both in track and cross-country.

#### Handicap Meets Planned

In addition to the outside competition, handicap meets will be held from time to time, including a big annual Interclass Meet in November. The Field Day relay race will be held as usual between the freshmen and Sophomore teams of twelve men each. This event last year was a very spectacular one, and it created much interest among the two classes.

#### Fall Work Necessary

New students who are interested in track should not wait until Spring to start their work. In the Fall the inexperienced man gets more attention and all men get the necessary training to build up a strong team in the Spring. The coach has a better chance to watch his men, correct their

(Continued on Page 3)

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THE RIGHT START

TWO hundred and forty lucky freshmen are leaving today for Camp Massapoag. You are truly fortunate men in making the trip. You cannot expect to enter Technology from your preparatory school without undergoing marked orientation, and this must be a gradual, well-directed process.

The Technology Christian Association has made it possible for freshmen to become acquainted with each other and with the various extra-curricular activities at the Institute. The success of these camps has been growing, and this one will eclipse its predecessors in all phases.

You will meet at this camp the "big" men of the school, both undergraduates and faculty. Sports, publications, music and dramatics will all be represented by their managers. Dr. Stratton and other influential members of the corporation will give you an idea of Technology, past, present and future. These men are giving their time and energy that your stay at the Institute may be as valuable to you as possible.

The Camp is a FRESHMAN camp. It is for you, and the whole organization at the Institute is cooperating to make it a success. From it you new men will gain a conception of the school which you would otherwise miss completely. See that each of you makes the most of it.

A BLOOMING DESERT

IN the old days whenever no other topics for editorial comment presented themselves, there was always an indefatigable subject—"We Want Grass." The changes of last year in the Great Court removed one large reason for the entirely worthy protest. But still we are forced to cross from Building Two to Walker at the risk of our eye-sight and with a certain loss of amiable disposition. The Sahara has nothing on the dust storms which originated there.

But ah! what a welcome sight greeted our eyes when we returned this fall. Sod rivalling the country's finest country club covered what had become an eye-sore to even the literal minded engineer. Adequate facilities for automobiles have supplanted the rutted parking space. A gravel path has taken the place of the unsightly board walk.

Plenty of work and Major Smith's famous bone meal have created a beauty spot which goes far to complete Technology's plans of a campus worthy of the name. To the new men, this lawn will probably be taken as a matter of course. To the older students however, it will be a constant source of gratitude. On behalf of the whole student body, THE TECH takes this opportunity to thank the administration for their thought and work. We trust that this does not end the plans for building a more beautiful Institute.

TUNEFUL TECHNOLOGY

FOR those who have never heard the huge crowd of men at an All-Technology Smoker render the "Stein Song," a thrill is in store. With Mr. S. S. Townsend leading, the expression "shook the rafters" becomes a reality. The song is one of the high lights of the varied program at the first get-together, and is evidence of the true college spirit which exists at the Institute. It goes to prove that Technology can sing. We have a fine song in our "alma mater"—one which we hope is not changed. The old "Stein Song" has a swinging rhythm; it is reminiscent of the days of Technology's youth; it lends itself well to chorus singing. It is always joyfully sung and well sung.

There is far too little singing done at the Institute. The response at a Smoker shows what we can do. At other schools, "Sings" are among the most important events of the year; there are always songs at fraternity house meals; at all-school affairs singing is featured. Pleasant camaraderie results and the student body becomes more unified. With this end in view, the efforts of many students and faculty members have been expended to produce the new Song Book. The result is anything but the usual compilation of stilted, worthless songs. It is something which everyone will find joy in using. To show your appreciation of this splendid piece of work, buy the book and sing the songs.

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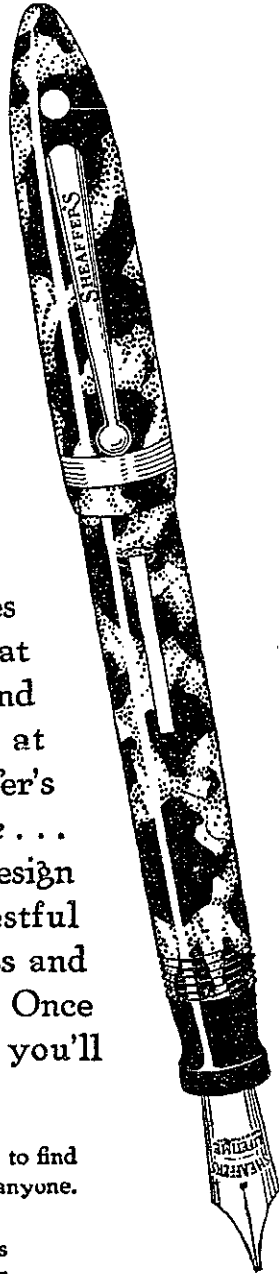
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### Hedlund Issues First Call For Track Material

Benefits of Track and Cross-Country Are Explained to Freshmen

(Continued from Page 1)  
faults, and find out for which event they are best fitted.

#### Cross-Country Starts Monday

All the freshmen who are interested in track and wish to find out more about it should report at the track house on Monday afternoon. Freshman cross-country starts immediately after school begins and lasts until the middle of November. At that time the seven best men will be selected to make a trip to New York, where they will compete in the Intercollegiate at Van Cortlandt Park. All men will find this cross-country work of great value in training for the Spring track season.

Freshmen are allowed to substitute track or cross-country for the dreaded Physical Training which everyone is expected to take. This gives them the opportunity to receive the benefits of exercise in the open air under more enjoyable conditions. In past years the men who have adopted this plan have fared very well, and in many cases have developed into excellent athletes.

### Freshmen Leave Today for Week End Camping Trip

Traditions, History, and Life at Institute To Be Told At Meetings

(Continued from page 1)  
ter Humphreys '97, will also attend the camp. Mr. Orville B. Denison '11 is coming from New York as a guest of the T. C. A. He is well known as an entertainer and has lately been touring the country giving M. I. T. publicity and acquainting high school students with the Institute.

**Crew Coach Brings Shells**  
Coaches Haines, Hedlund, and MacCarthy of crew, track, and basketball will discuss their sports and the plans for the year. Coach Haines will bring up to the lake two shells in which those interested in crew will be given an opportunity to get a taste of rowing. There will be two Varsity coxswains who will take charge of the boats on the lake.

There is a model of Camp Massapog on display in the Main Lobby in which the new additions to the present camp buildings can be noticed. Many more tents will be brought up to accommodate the increased number of campers. Nine hundred blankets have been sent up by the R. O. T. C. and from the experience of those in previous years these covers will be in great demand at night. There is also the new luxury of a shower bath which has been installed.

The new Technology Song Book will be on sale to those who wish to buy them at Camp and the T. C. A. will distribute 300 copies of community songs which will be sung at the different meetings. The religious service and discussion will be led by Rev. Sidney Lovett, pastor of the Mt. Vernon Church in Boston.

Mr. Pennel M. Aborn will have a "field office" of the Undergraduate Employment Bureau, which is one of the services of the T. C. A. In this way he will be able to discuss the financial problems of men who wish to see him.

Theodore A. Reihl, '30, who is on the Executive Committee of the T. C. A., has been in charge of the freshman camp this year.

### Walton Lunch Co.

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### Blimp Taken to Round Hill For Research Work

"Mayflower" to Be Used for Experimental Work in Fog Navigation

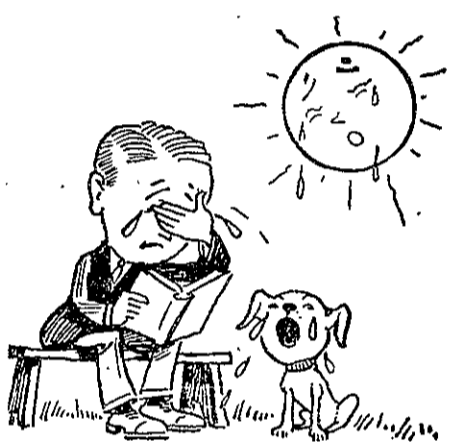
(Continued from Page 1)  
of Round Hill will be invaluable in radio investigations above the ground and water. Such investigations as those of energy radiations from an antenna, radio fading as affected by the angle of the receiving point above the ground plane at the transmitter, radio beacon field-patterns and aberrations, and wave propagation associated with composite media such as water and air are some of the problems which may be attacked with the aid of such a ship.

During the coming year work will also be done among other things, probing deeper into question of radio wave propagation, for and its transmissive characteristics, meteorological phenomena, supersonics, and beacon flying, many of which are associated directly or indirectly with the navigation of aircraft in fog. Other aspects of communication will be studied, including the behavior of aerial systems and the problem of frequency standards.

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### \$12,000 SPENT TO IMPROVE GROUNDS

New Grass Plot Laid Out West of Walker and Road Widened

Between ten and twelve thousand dollars have been spent on improvements to the Institute grounds during the past summer, according to a statement issued by Bursar Horace S. Ford.

A grass plot which replaced the mud-flats that formerly existed between Walker Memorial and Building 2 accounts for a large part of the expense. The roadway along the east side of the Institute buildings has been widened and resurfaced, and a new fence has been erected from the power plant entrance around the back of the athletic field and down Ames St. by the east side of the dormitories.

Other summer activities about the Institute included the removal of all equipment from the Automotive Laboratory, Building 21, to a new location in Building 31. Building 21 is to be fitted out for use as a hydraulic laboratory.

**SOCCKER PRACTICE**  
Varsity and freshman soccer practice will begin at the Coop Field on Tuesday afternoon at 4 o'clock.

**FRESHMAN MANAGERS**  
All men interested in competing for the positions of assistant managers in track and cross country are urged to report to either Coach Hedlund or Manager Fisk the first week of school.

### MAGIC AND JOKES

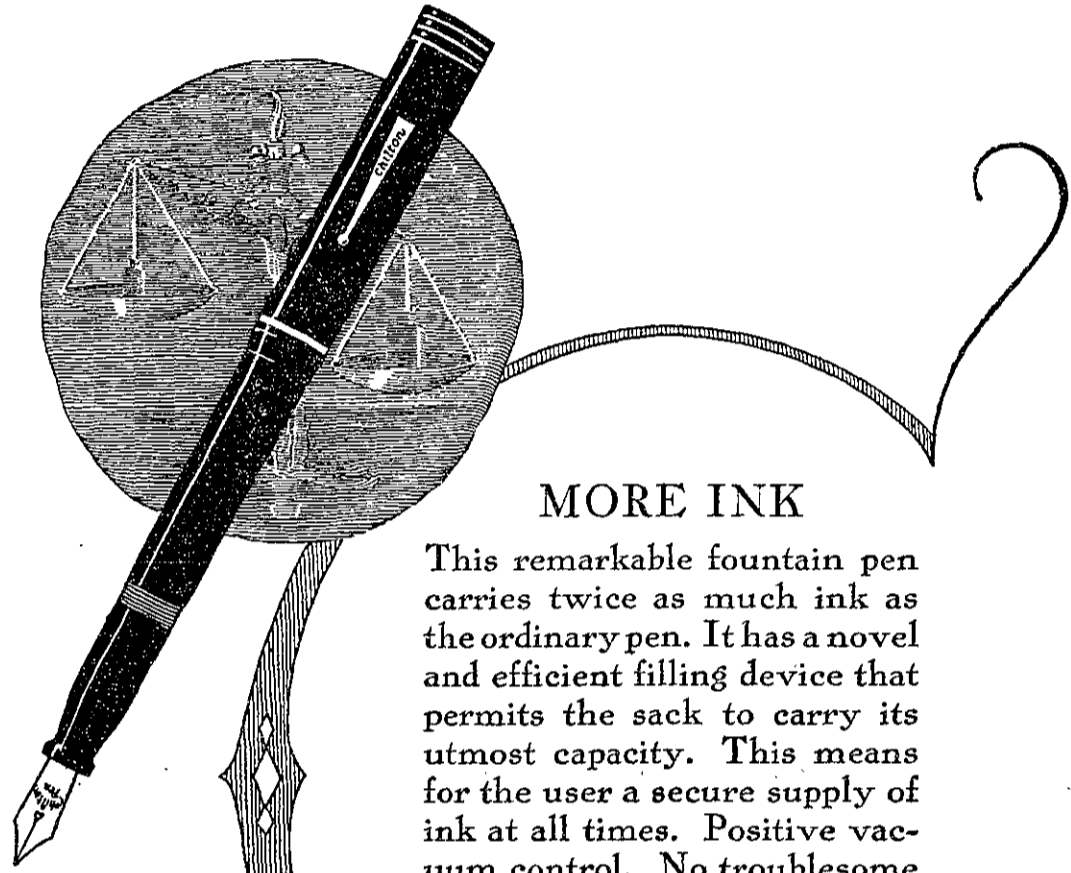
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This remarkable fountain pen carries twice as much ink as the ordinary pen. It has a novel and efficient filling device that permits the sack to carry its utmost capacity. This means for the user a secure supply of ink at all times. Positive vacuum control. No troublesome lever. A creation of beauty, in all the modish colors, built like a fine watch. Fully guaranteed. At better dealers everywhere.

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**NOTICES - ANNOUNCEMENTS**

**OF GENERAL INTEREST**

**Hydraulic Turbines** **Dr. Ing. D. Thoma**  
**Wednesday, October 2, 2 P. M., Room 1-190**

Dr. Ing. D. Thoma, Professor of Hydraulics, Water Power Machinery and Water Power Plants, and Director of the Hydraulic Institute at the Technische Hochschule of Munich, Germany, will present a series of illustrated lectures on Hydraulic Turbines and Related Subjects in Water Power Plant Design. The topic of his first lecture will be "The development of the hydraulic and mechanical design of Kaplan turbines." The lecture will be illustrated with lantern slides as well as moving pictures. The lecture is open to students and members of the instructing staff.

**FRESHMEN! EAT WITH THE UPPERCLASSMEN**  
Cafeteria Open For All Meals  
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NEW YORK CLEVELAND  
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**Intercollegiates**

A team from the southwest invades the Harvard stadium for the first time this year, after over a year of negotiations. The fourth game of the season is with the University of Texas on October 24th. Dates have also been set for the games with the Army, Dartmouth, and Yale.

With the beginning of school this fall, says the Wesleyan Argus, large numbers of men are taking up the idea of smoking pipes. Whether this is the last retreat of masculinity, or a result of the famous ad, "I love to see a man smoke a pipe" was not stated.

According to statistics gathered from the Yearbook at Boston University for last year, there were men in attendance from forty-seven states. Georgia was the only state not represented in the student body. Forty-six of the instructors also came from foreign countries.



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alpaca and wool  
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*that's a wonder at*  
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made of half pure alpaca and  
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**Sweater Sets** —slip on with golf hose to  
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To get the best results every Tech man should become a member of the "Coop" before he begins to buy any of his supplies. It costs one dollar to join for one college year. You get a membership ticket with a number. Tell the salesman your number every time you buy anything that costs 25c or more at Technology Branch, the Barber Shop or the Main Store at Harvard Square. The total credited to your number on June 30 is the amount on which you get your dividend. The profits are divided among the customers who join.

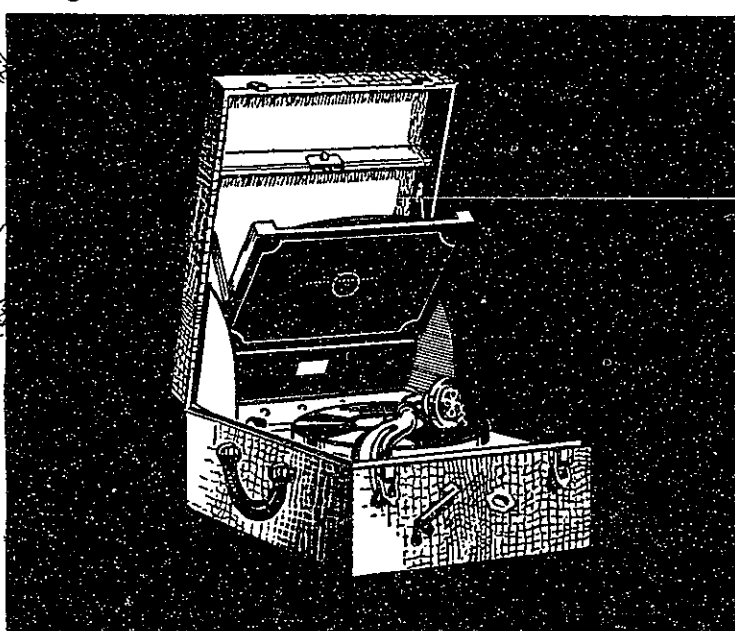
Dividend Checks for last year's purchases will be ready for distribution in October. The dividend paid on last year's business is 10% on cash purchases and 8% on charge purchases.

Checks are cashed } for "COOP"  
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Your dealer will show you an instrument that will make you jump right into the Columbia cheering section—the Viva-tonal Columbia Portable. It has the tonal beauty and volume of an expensive cabinet machine. It is luxuriously fitted—yet it costs only \$50!

If you like your melody in a more elaborate case, there's the electrically operated Columbia Portable at \$60. And if you want your music at less cost per note, there's another corking Columbia Portable for only \$25!

Whichever you select, be sure to slip these new discs in the record compartment!

Record No. 1938-D, 10-inch, 75c SWEETHEART'S HOLIDAY } HUGGABLE KISSABLE YOU } . . . Fox Trots Ted Wallace and His Campus Boys.	Record No. 1869-D, 10-inch, 75c SINGIN' IN THE RAIN—(from Talking Picture Production "Hollywood Revue of 1929"). ORANGE BLOSSOM TIME—(from Talking Picture Production "Hollywood Revue of 1929"). Vocals—Ukulele Ike—(Cliff Edwards).
Record No. 1916-D, 10-inch, 75c I LOVE YOU—(Incidental Singing by Ted Lewis). LEWISADA BLUES—Fox Trots—Ted Lewis and His Band.	Record No. 1922-D, 10-inch, 75c MOANIN' LOW—(from "The Little Show"). SWEETNESS—Vocals—Lee Morse and Her Blue Grass Boys.

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