

## FIRST HANDICAP MEET WILL TAKE PLACE SATURDAY

All Institute Men Are Eligible  
To Compete in Program  
Of Six Events

### RELAY TRIALS THIS WEEK

Competition in track will start Saturday afternoon with the first fall handicap meet. Handicap meets are held throughout the year to give all men an opportunity to show what they can do and to have an equal chance of winning with those men who have had more experience. The Varsity men have the lowest handicaps in the meets and the other men receive larger ones according to their running ability and experience.

#### Six Events in Meet

There will be six events in the meet to be held Saturday, 150 yard dash, 660 yard run, 1½ mile run, high jump, shot put, and pole vault. The men out for the freshman team will have an equal chance of winning with the Varsity men as they will receive much larger handicaps. Every man who is out for track or who is interested in the sport is urged to sign up for the events he is best qualified for on the sheets that are kept in the track office. Sign-ups will be taken for the rest of the week until the time set for the events to begin.

#### Relay Trials This Week

Trials for the Sophomore and freshman relay teams will be held during the latter part of this week. This will be the first of the two trials to be held and the Field Day relay teams will be made up of the men who qualify in both. All those men who intend to compete for positions on the Field Day teams, but who have not yet reported for some reason, are urged to do so immediately so that they will not have to run in the trials totally unprepared.

#### P. T. Sign-ups Are Due

Freshmen who have not yet signed up for any sport to replace P. T. are informed that track sign-ups are being accepted in Henry P. McCarthy's office in Walker Memorial. Men interested in track as a sport are urged to sign up immediately in order that they may be credited with work done and thus not be required to attend the physical exercise classes conducted throughout the winter in Walker gymnasium. Oct. 23 is the dead-line for these sign-ups. After that date it is impossible to receive any credit in P. T. for training in sports unless a sign-up has been made at a previous date.

## FRESHMEN TO PLAY MIDDLESEX ELEVEN

First-year Squad Numbers 35  
Men—Outweighed by 1932

On Saturday the freshman football team will meet Middlesex School at Concord in their first game of the season, and a game is pending with Boston University freshmen for October 26. The squad has been practicing now for over a week and the election of a captain will take place within a few days. As the squad are taking their cuts from Military Science now, practice is held afternoons at Tech Field from 5 o'clock to 5 o'clock except on Fridays, when it is held from 5 o'clock to 6 o'clock. Late arrivals have swelled the squad to 35 but Mr. F. E. Bailey, the coach, will welcome any new faces. He stresses the fact that if the freshmen wish to win the football game on Field Day, which counts five points, they will have to get out and practice as the Sophomores have ten of last year's champion team back.

## Coop Dividends Now Ready to Distribute

At last one of anticipated events of the school year has arrived, the annual Coop dividend. All those who have been living on bread and water while waiting for their check to arrive can now feast themselves to capacity. From the numbers that have stormed the Coop in the last two days, practically all of the students were on a diet or else anticipating that date this weekend.

## New Head of Course VI During Next Year



VANNEVAR BUSH '16

## Advanced Corps R.O.T.C. Students Receive Promotion

Commanding Officers of Freshman Battalion Picked From  
Advanced Corps

Joseph Harrington, Jr., '30, Student Adjutant during the past year, will lead the M. I. T. Unit of the R. O. T. C., this year as Student Major and Battalion Commander, as announced by the Military Science Department yesterday afternoon. In all, thirty-eight other Advanced Corps students have received promotions, either as Captains, First Lieutenants, or Second Lieutenants.

Ten Seniors have been appointed Captains, as follows: Captain George B. Walker, Executive Officer, Captain Jesse W. Billings, Plans and Training Officer, Captain Raymond G. Rolin, Adjutant, Captain Edwin M. Kingsley, Supply Officer, Captain Arnold S. Ackiss, Commanding Officer of the Band, and Captains Harold R. Spaans, Charles E. Hughes, Morell Morean, Francis S. Walker, and John B. Newsum, in charge of freshman Companies A, B, C, D, and E, respectively.

To Company A, have been assigned, as First Lieutenants, Edward S. Greene, '30, Alfred M. Luery, '30, and John T. Kelton, '32. Second Lieutenants, John H. Dodge Jr., '31, John E. Gustafson, '31, Ferdinand D. Schweizer, '31, and John E. Strong, '31, have also been assigned to this company.

Under Captain Hughes in charge of company B, will be First Lieutenants, John Senter, '30, Addis Kochoer, '30, and Charles R. Pritchard, '30, no Second Lieutenants having been assigned to this company.

First Lieutenants Stanley Wells, '30, Frederick W. Holt, '30, Alan W. Vint, '30, and Israel M. Cohen, '30, have been assigned to Company C. As in Company B, no second Lieutenants have been assigned to this company.

## BIOLOGICAL SOCIETY HAS FIRST MEETING

Professor Samuel C. Prescott '94, head of the Department of Biology and Public Health spoke at the first meeting of the Sedgwick Biological Society at 7 o'clock last night, in the Emma Rogers Room. This informal lecture, illustrated by lantern slides, dealt with the cultivation, shipment, and food value of bananas. A short outline of the activities proposed for the coming year was also made during the meeting.

## PROFESSIONAL CLUBS ELECT NEW OFFICERS

At a meeting of the Combined Professional Societies held Saturday, Robert Henderson '30, of the Mining Engineering Society, was elected Secretary-Treasurer. He fills the vacancy created by the death of Arthur S. Allen '30 in an automobile accident recently.

Subscription blanks were given out to all the men present, and they were urged to get as many new members as possible in order to get the societies well organized for this year. The time of the meetings has been changed from Thursday to Mondays from four to five o'clock.

## TECH SHOW SMOKER TONIGHT OPEN TO ALL AT INSTITUTE

William C. Greene and Langdon Matthews Will Speak  
On 1930 Show

### CLOSING DATE FOR SKITS

Tech Show 1930 invites all the men at the Institute who are interested in the organization to a smoker at 8 o'clock in the North Hall of Walker Memorial tonight. Graduate students, upper classmen, and freshmen are invited to attend this meeting so that they can get acquainted with the work done and the men connected with the Show. Smokes and refreshments will be served during the course of the evening.

William C. Greene, of the English Department and the cast coach of last year's Show, will be the first speaker of the evening. Following this talk Langdon Matthews, who was the dancing coach last year, will speak on the chorus and ballet. James Donovan '28, Stage Manager of Tech Show 1927; Bud Jones '28, heroine of "Half A Man"; and other graduates connected with the Show in previous years will be present to give the new men an idea of what Tech Show was heretofore.

At the Smoker announcements will be made of tentative dates for the first cast and chorus tryouts. As the skits are not due until the time of the meeting, the winners of the Skit Contest will be announced as soon as they have been judged. Tonight will be the last opportunity to turn in skits for this year's Show.

There are positions open for both Sophomores and freshmen in the management, and positions in the cast and chorus open to all men at the Institute. At the smoker an idea of the kind of skits that will be used and the different opportunities for acting will be discussed so that new men can get an idea of the work required.

## Freshman Booters Play Dartmouth at Hanover Saturday

With a game scheduled with the Dartmouth freshman soccer team Saturday afternoon at Hanover, all freshmen who would like to play on the team are urged to come out immediately by Varsity Coach William R. Welch. Only seven men have reported for the team so far, and fourteen will make the trip. Hence all frosh who care to try for the team will have a splendid opportunity to make it, provided they come out before Friday afternoon.

The schedule as it now stands besides the Dartmouth game, includes four other games, with Harvard freshmen, Dean Academy, Andover Academy, and Quincy High School. Last year's team won two games out of the four played, and received the recognition of the Advisory Council. A West Point graduate will help in coaching the team this season.

Practice will be held each evening from 4 o'clock until 6 o'clock on the Coop field and no experience is needed in order to make the team. A captain is to be elected at the end of the week, and at present, the nucleus of the team is formed of several former prep-school captains. With the support of a few more members of the freshman class, Coach Welch feels that the team should have a good season.

## THIRTY MEN REPORT FOR RIFLE PRACTICE

Team Membership Competition  
Open to All Students

Work started at the rifle range yesterday with thirty men reporting. Five lettermen from last year's team are back, and consequently a good team is expected for the coming season. The range is open on Tuesdays, Wednesdays, and Fridays from one to five o'clock, and all candidates are urged to sign up for the team at once.

Membership on the team is not limited to men who take Military Science. The team has a new coach in Captain Vernon W. Hall, of the Coast Artillery. Captain Hall replaces Lieutenant A. T. W. Moore, who has been coach for the last three years.

## Head of Course VI on Leave to Tour Orient



DUGALD C. JACKSON

## Professor Dugald Jackson in Japan On Year's Leave

Head of Course VI Attending  
World Power Meeting  
Held in Tokio

Professor Dugald C. Jackson, in charge of the Department of Electrical Engineering, has been granted a year's leave of absence from the Institute and is now attending the World Power Conference in Japan. Professor Vannevar Bush '16 is taking his place as head of the Department.

At the conference which is being held in Tokio, Professor Jackson is the Chairman of the American Committee of Papers. The meeting is a gathering of the foremost electrical engineers of the different countries of the world and will continue until the middle of November.

#### Will Travel in Orient

After the conference, Professor and Mrs. Jackson, who has accompanied her husband, will spend some time in the Orient. They plan to travel in Japan, China, and the Philippines for four or five months. Egypt will be the next stop on the itinerary of the travelers, and then until August, they will travel through Europe, going there by way of India and perhaps Java.

This trip has a three fold purpose. In addition to attending the conference, Professor Jackson intends to investigate several engineering projects under way in Europe and the Orient. Finally he wishes to study the educational relationships between America and Eastern countries that are an outcome of the contacts made at the Institute and other schools by the foreign students.

## FRESHMAN CREW WILL BE SELECTED MONDAY

Three freshman crews turning out mornings are showing much improvement, for the yearlings have been rowing in fair form individually, but as a crew they are not hitting the water together. This latter fault will be the main concern of Coach Dolben from now until Field Day. A tentative line-up for the Field Day freshmen crew will appear Monday in the Tech.

No Varsity fifties will be organized this fall as many of the experienced men are out training the light freshman oarsmen. Two boats of light freshmen will be picked out of the barge today for regular morning practice.

## TECHNIQUE CREATES ART ADVISORY BOARD

Technique has established a new board to be known as the Art Advisory Board for Technique. Its members are to include all former Art Editors of Technique who are still at the Institute and one member at large, chosen by the other members of the Board.

Members of this Board for the 1930 volume are Raymond L. Wofford '29, J. Gordon Carr '29, Bryce T. Lyall '30, former Art Editors of Technique, and Everett S. Cofran '28, Art Editor of Volume X of Voo Doo.

## SWIMMING SEASON WILL START WITH BIG RALLY TODAY

Schedule Includes Four Meets  
In Home Tank and Seven  
Out of Boston

### MORE MATERIAL NEEDED

New candidates for the Technology swimming team will meet the coaches, managers and team members this afternoon at 5 o'clock in Room 1-190. At this time the annual pre-season mass meeting will be addressed by Coaches Dean and Brown, who will discuss plans and events for the coming year.

Everyone who is interested in swimming is urged to be present regardless of whether or not he considers his swimming ability of championship quality.

#### More Men Needed

Last year the team had the most successful season in its recent history, in spite of the fact that it was hampered then, as in years previous, by a distressing lack of material. In former years the team has consisted of the minimum number of men possible to have entries in every event, with the result that many of the contestants were obliged to take part in all three of the events allotted to them.

#### Four Home Meets Planned

This year there are home meets scheduled with Bowdoin, Amherst, and Wesleyan, together with an interclass meet. This enables those who are not fortunate enough to go on the trips to earn their numerals or minor "T" award. For those who make the trips, an interesting schedule has been drawn up, including meets with N. Y. U., Columbia, Brown, Yale, Rensselaer, and Williams, with the New England Intercollegiate as the final event of the season.

#### Freshmen Are Called

Freshmen in particular are urged to attend the meeting, as this sport is very suitable as a substitute for P. T. In order to do this, the required sign-up and medical exam must be completed before October 25. Several freshman managers are wanted at once. Candidates are asked to report to Manager Dean at the M. I. T. A. A. office.

The management also asks the student body to come out and help the team that won second place in the New England last year. The schedule is one of the hardest that a Technology team has ever had to face, and their success will be greatly enhanced by the support of everyone, both on the bench and on the sidelines.

## DORMITORY MEN GIVE DANCE FRIDAY NIGHT

Ticket Sales Increasing for  
First Affair of Season

Tickets are rapidly being sold for the first Dorm Dance of the season, which will be held Friday night from 8.30 until 12 o'clock in the North Hall of Walker. The time of the affair, which was formerly announced as 9 o'clock, has been changed to 8.30 o'clock to better accommodate those who plan to attend.

This dance, the first of the series which is given by the dorm men every year, will be informal, as is the custom. Music will be furnished by Dick Edwards' Orchestra, well-known to many students, and the North Hall will be gaily decorated for the occasion.

Patronesses for the affair will be Mrs. Leicester F. Hamilton and Mrs. James R. Jack.

## Dorm Freshman Appears Without Sleek Mustache

One dormitory freshman has learned that it is not wise to sport a mustache, at least until he has attained the dignity of an upper-classman, for, prior to the dorm frosh meeting in Ware Lounge last night, this former, bewhiskered one was observed to be clean shaven. A week ago, after the first freshman get-together, this benighted member of the class of 1933 ran clear to Kendall Square to save his all, but last night he appeared without it. We wonder, Has he really concluded that discretion is the better part of valor, or has he had the fur removed without consent?

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Walker Memorial, Cambridge, Mass.  
 News and Editorial—Room 3, Walker,  
 Telephone Univ. 7029  
 Business—Room 302, Walker,  
 Telephone Univ. 7415

Printer's Telephone—HANcock 8387 - 88

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**FOUR YEARS OR FIVE?**

NOTHING grows so rapidly as rumor, nor with so little legitimate reason for growth. At present the atmosphere is saturated with rumors of the approaching conversion of all four year courses at the Institute to a five year basis. We are not aware of any official grounds for such rumors, yet there is apparently reason to believe that such action may be taken at some future date.

All quantitative engineering owes its development to processes of logic. While it is true that logical reasoning is responsible for the progress of quantitative engineering, it is also true that practical engineers are wont to ignore logic whenever their ends may be accomplished by use of the more convenient rules-of-thumb, formulae or tables. It is one of the purposes of the Institute to educate and train practical engineers; therefore, the Institute must instruct its students in the logical development of the engineering sciences and in the accepted practical methods used by practicing engineers.

It is generally agreed that the present curricula of the various courses do not permit of the addition of more studies; that is, the required number of catalogue hours per term now in effect cannot be increased to any great extent. Therefore, if the instruction now given in the four year undergraduate courses should be considered inadequate, the only remedy would be an increase in the term of study, say, from four years to five.

As to whether or not graduates of the four year courses are sufficiently well trained in their respective lines of work, much can be said on either side. From our own individual experience and observation of friends and acquaintances, there is one defect with the present system that seems quite evident. Which is, briefly, that underlying principles and practical methods are too remotely separated.

In almost every subject that we can remember having taken, the instruction began with the underlying principles and progressed rapidly into the development of useful formulae and constants. As soon as the development of these practical aids had been accepted by the students as founded on infallible logic, the logic was thrown overboard to make room for the more precious cargo of valuable formulae, since the students' success or failure in the subject depended almost entirely upon their ability to cope with and to solve practical problems.

It cannot be denied that the measure of an engineer's value is his ability to deal with such practical problems, yet it is unfortunately true that, all too often, one is liable to encounter a proposition that calls for a new method of attack, something which cannot be found by diligent review of handbooks and lists of formulae. It is here that the "handbook engineer" falls down, and the natural result of the present curricula of the Institute is to produce too many such.

Undoubtedly, the remedy for this situation is to increase the length of the courses of study, devoting more time to the improvement of the students' logical intellects, and transferring more gradually the attention of the students from the theoretical to the practical, so that each can be more firmly retained in the mind. It is because we believe that the guiding hands of the Institute realize the probable truth of the foregoing statements that we have some right to expect the eventual abolition of the four year undergraduate courses.

**"AN OUNCE OF PREVENTION"**

THE open season on colds has opened at the Institute with a big blow. Coughs and sneezes disturb every lecture, while a representative laundry reports a substantial increase in its weekly receipts of handkerchiefs. And as yet, Boston's notorious temperamental weather has not had half a chance to do its work.

Our Medical Department, one of the most fully equipped in the country, has only started its work when it finishes examining the entire student body. Its personnel is anxious to prevent disease at Technology. Compulsory examinations are for the good of the individual—if you have neglected yours, make an appointment now. But above everything, let the Medical Department care for your cold—never was the old adage about prevention more true than at present.

Japanese women in Tokyo are beginning a campaign to obtain equal education facilities with the men. Many Japanese universities admit women into their classes as visitors, but they are not regarded as students, and get no credit or degrees. They are demanding co-education until wo-

men universities become large enough to take care of all those who wish to attend.

Money goes up in smoke on the steps of the West Virginia University's buildings, for it has been estimated that 3000 cigarettes are smoked daily

by the upper-classmen, costing \$40, a total of \$200 per week.

"Customed to Don or Customed to Measure"

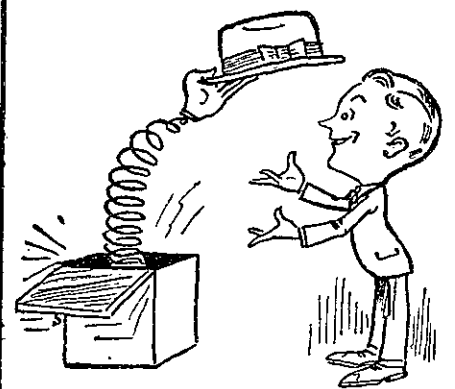


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"OUR PIONEERING WORK HAS JUST BEGUN"

**ONLY NINE NOW LACK MEDICAL INSPECTION**

Only nine men out of the entire student body remain to be examined by the Medical Department of the Institute. This means that approximately 700 freshmen have been examined in addition to numerous upperclassmen. This examination is necessary in view of the fact that a certificate of physical fitness is required before active participation in any sports or Military Science.

**FRESHMAN TRACK**

All freshmen who intend to substitute track for P. T. and who have not yet signed up are requested to do so immediately in Henry P. McCarthy's office in Walker Memorial. This must be done before Oct. 23 in order to receive credit.

**FRESHMAN SWIMMING TEAM**

All freshmen who wish to substitute swimming for P. T. must procure their medical examination cards and sign up at H. P. McCarthy's office by Friday, October 25.

Freshman managers are requested to report to Manager Dean at the M. I. T. A. A. office between 5 and 6 o'clock on any day during the next few weeks. In case of his absence, a note bearing the name, address, and phone number of the candidate should be left on the swimming manager's desk.

**P. T. SUBSTITUTION**

All freshmen desiring to substitute crew for P. T. can do so by signing up any day in MacCarthy's office in the Walker Gymnasium between 9 and 12 o'clock. Medical certificates will be required.

**Intercollegiates**

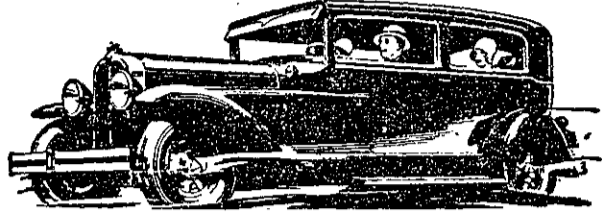
Declaring that the dictation and enforcement of freshman rules should be in the hands of the faculty, one professor at Victoria University recently forbade the freshmen to enter his lectures with the required yellow ties.

Believing there should be more cheering and less gossip at Ohio University football games, the authorities have ordained that no longer may the men and women sit together in the stands. An occasional wave of the hand or a shout will be the only means of greeting after the two groups have assembled for the game.

The Department of Foreign Languages at Stevens Institute is being discontinued with this year's curriculum, the reason being that the demand for instruction in this branch of learning has steadily diminished since the war. Henceforth the "Humanities" at Stevens will be limited strictly to English.

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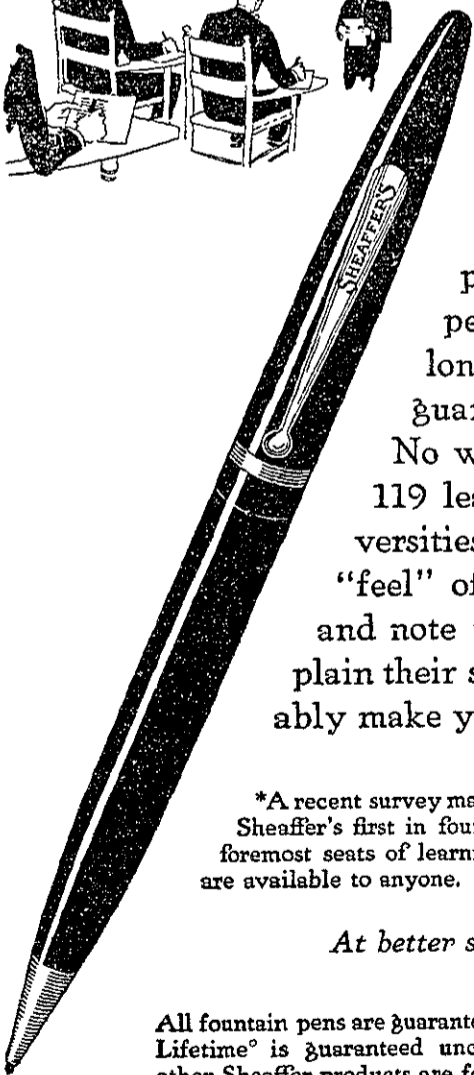
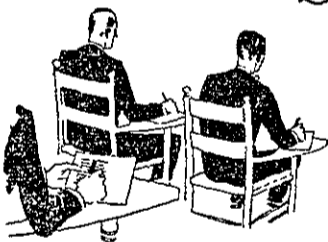
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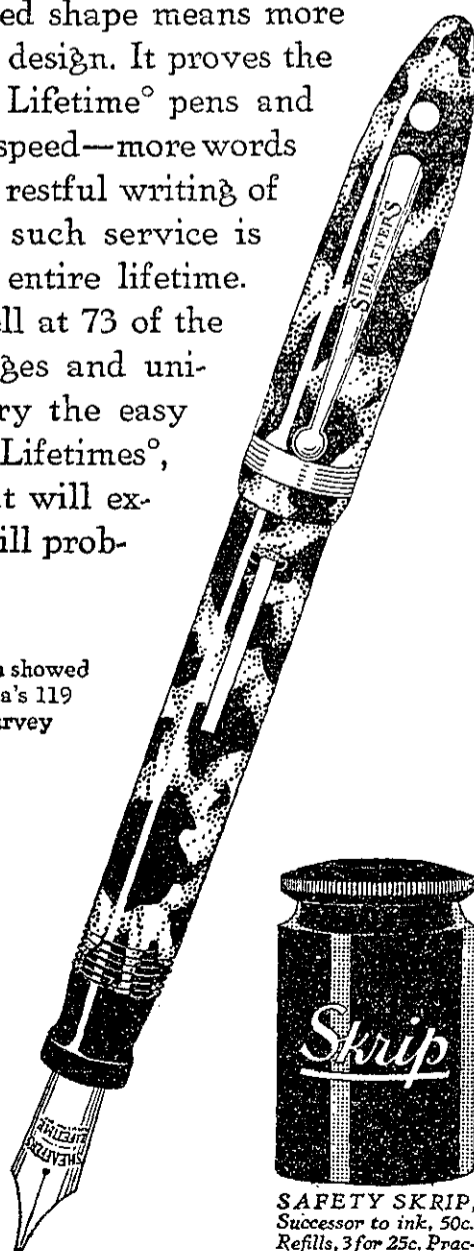
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**NOTICES - ANNOUNCEMENTS**

**Of General Interest**

**Hydraulic Turbines** **Dr. Ing. D. Thoma**  
**Wednesday, October 16, 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, is presenting a series of illustrated lectures on Hydraulic Turbines and Related Subjects in Water Power Plant Design. The topic of his fifth lecture will be "Dissipation of Energy in Fluids." The lecture will be illustrated by moving and still pictures.

The lecture is open to students and members of the instructing staff.

**Faculty Club Fall Dinner Meeting** **Wednesday, October 16,**  
**6:30 P. M.**

**Twentieth Centry Club, No. 3 Joy Street, Boston**

The speakers will be as follows:  
 Professor George Owen: Incidents of the Gloucester Fishermen's Race.  
 Professor W. H. James: Tenderfeet in the Rocky Mountains.  
 Mr. Horace S. Ford: The Freshman Camp.

**CALENDAR**

Wednesday, October 15

5:15 P. M.—T. C. A. Smoker, Faculty Dining Hall, Walker Memorial.  
 7:30 P. M.—Beaver Club Meeting, Delta Kappa Epsilon House.  
 8—10 P. M.—Tech Show Smoker, North Hall, Walker Memorial.

Friday, October 18

8:30 P. M.—Dorm Dance, North Hall, Walker Memorial.

**Undergraduate**

**BEAVER CLUB**  
 All active members of the Beaver Club are asked to attend a meeting



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of that organization at 7:50 o'clock this evening at the Delta Kappa Epsilon house, 403 Memorial Drive, Cambridge.

**MUSICAL CLUBS**

Competitions are now open for freshmen positions in the stage, publicity, treasury, and business departments of the Musical Clubs. Any first year men interested in going out for the management of the clubs should drop around to Room 303 in Walker any night after five o'clock.

**STOP—LOOK—LISTEN**

Walker Memorial Committee Competition

Announcement is being made of the Sophomore Competition for the Walker Memorial Committee. Three weeks competition is held after which time four Sophomores are appointed. Those men wanting to try out for the Committee, meet in Walker Memorial office Friday, Oct. 18 at 5 P. M.

**FLOOR POLISHER LOST**

The floor polisher of the T. C. A. organization and has not yet been returned. Will the party who has it return it immediately to the T. C. A. office in the basement of Walker.

**ASSISTANT MANAGERS**  
 The M. I. T. A. A. is in a position to place thirty freshmen and ten Sophomores as assistant managers in the different sports at the Institute. New men who have stated a preference for A. A. work on the T. C. A. cards and who are not already engaged in some activity should call at the M. I. T. A. A. office any evening at 5.00 o'clock.

**RIFLE TEAM**  
 All men interested in the M. I. T. Varsity Rifle Team are asked to report to the range on Wednesday and Friday from 1 to 5 o'clock.

**FRESHMAN FOOTBALL**  
 Candidates for the freshman Field Day football team will practice on Tech Field daily at 4 o'clock except Friday, when practice will be held at 5 o'clock.

**MISSING LIBRARY BOOKS**  
 A number of books, taken in the spring term from the shelves in the Faculty Room, Walker Memorial, have not been returned. Among these are: "The Confessions of Jean Jaques Rousseau" in four volumes; an attractive edition bound in green morocco that formerly belonged to a private library on Beacon Hill. Another book of note is Goethe's "Faust," the sixth volume of a set of Goethe's Works in a specially printed edition which cannot be duplicated. The seventh volume of Byron from a set of seventeen volumes is also missing. There is one book missing from the Works of Barrie and from Conrad, Defoe, Emerson, Hawthorne, Maupassant, Anatole France, Tolstoy and Pergerew.

Mrs. King asks that they be returned to her at the Walker Memorial Library.

**CREW**  
 Any freshman interested in the competition for the freshman crew managership is urged to report any night after five o'clock at the boathouse to Manager Genrick.

**R. O. T. C. STUDENTS GET PROMOTIONS**

(Continued from Page 1)  
 ants have been appointed in Company C.

First Lieutenants Laurence R. Moses, Unc., James G. Muir, '30, Samuel G. Nordlinger, '32, and Daniel A. Grieco, '31, together with Second Lieutenants George D. Freeman, '32, James J. Robson, '32, and John L. Olsen, '31, have been assigned to Company D, under the command of Captain Walker.

To Company E, in charge of Captain Newson, have been appointed First Lieutenants Otis A. Sibley, '30, Joseph G. Heuer, '32, Charles T. Abbott, '30, and Francis D. Matthews, Unc., and Second Lieutenants Thomas A. DeMarco, Jr., '30, James S. Dada-kis, '30, and William Pitbladdo, '30.

**SEVEN MEN PLEDGED BY PHI BETA DELTA**

In Monday's issue of this paper, the list of the pledges of the Phi Beta Delta was overlooked by mistake. They are as follows: Morris H. Etstein '32, Benjamin B. Shulkin '31, Herbert I. Schlesinger '34, Arthur Greenblatt '32, Joseph Freedman '32, Maurice L. Rubin '33, Edward J. Malkin '33.

**T.C.A. SMOKER TAKES PLACE THIS EVENING**

Refreshments will be served at a smoker held tonight by the T. C. A. at 5:15 o'clock in the North Hall of Walker Memorial. This affair is for the purpose of acquainting men with the work done by the Association and to give them an opportunity to enter into any of its activities in which they may be interested.

Esperanto will be taught at Texas University this year if enough students are interested, according to a statement issued by the instructor of Romance Languages.

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**Football News**  
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Tobacco's at its best in a pipe. It gets a chance to be itself there—to loosen up as it comes to life, to expand and take in air and glow. Only the choicest leaves get that chance, moreover, for pipes tell the truth about tobacco. Choice leaves, choice blends, and *mighty careful handling*. Edgeworth comes up through eleven distinct processes before we're willing to pass it on to you.

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