

# THE TECH

VOL. XXXIV. NO. 43.

BOSTON, MASS., WEDNESDAY, OCTOBER 7, 1914.

PRICE THREE CENTS

## CATHOLIC CLUB TO BANQUET IN UNION

All Interested Invited To Come And Meet Members Tonight.

The Catholic Club will hold the first banquet of the year tonight at 6.30 in the Union. As this is the first meeting of the year the Club officers request that every member be present. All freshmen who are interested are invited to attend so as to become acquainted with some of the upper classmen. Informal talks on the past activities of the club will be given and Dean Burton will also speak. There is to be an entertainment furnished by some of the members. The affair will be strictly informal. Tickets may be obtained from any member of the club.

## SOPHOMORE FOOTBALL

Schedule Announced — Squad Meets In Union Today.

The Sophomore football squad will meet in the Union at 1 o'clock today. The 1917 men have been holding practise every day at the Columbus Avenue playgrounds; Coach Harper is working the men and trying to develop a fast team for the first game which is to be on Saturday at Westboro with the Westboro High School. Manager Philip Hunt has arranged a schedule of seven games, not including Field Day. One game comes the Wednesday after Field Day, when 1917 will play Lowell Textile School at Lowell. Last year 1917 and Lowell played a 0 to 0 tie. The provisional schedule is as follows:

October 10—Westboro High School at Westboro.

October 17—Somerville High School at Somerville.

October 21—Salem High School at Salem.

October 24—Hyde Park High School at Hyde Park.

October 28—Dedham High School at Dedham.

October 31—Exeter second at Exeter, N. H.

November 6—1918. Field Day.

November 11—Lowell Textile School at Lowell.

## FRESHMAN FLAG WORK

Twenty men have so far reported to Coach Kanaly for relay work, but nothing can yet be said concerning the true form of the various candidates. Flag passing will be practiced today at the Gym, and all candidates are expected to be present.

The following men have reported to the coach: Wallace, Read, Smyth, Mumford, Merrick, Avery, Boyd, Bradley, J. A. Clark, Coward, Johnson, Lorenz, McClure, Obert, Hamilton, Justheim, Halfacre and Hanley.

## COMMITTEE APPROVES FACULTY CHANGES

Executive Committee Of Corporation Passes On Faculty Appointments.

At its last meeting the Executive Committee of the Corporation passed upon the following appointments and reappointments in the instructing staff: Ralph Adams Cram has formally been named Professor of Architecture, and Professor W. H. Lawrence is chairman of the Department of Architecture. In the department of Mechanical Engineering E. W. Brewster and Arthur F. Petts have been named assistants, and Henry M. Wyde, Robert T. Gookin and Walter

(Continued on Page Three)

## HARE AND HOUNDS

Run To Be Held Saturday Afternoon At Wakefield.

The Hare and Hounds Club will hold a run Saturday afternoon, October 10. The train will leave about 2 o'clock, and the fare will be 30 cents. The run will be over the Wakefield course and it is imperative that all men report, as the Fall Handicap will later be run over this same course. There will be two squads so that no one need feel concerned about his being left to make his own way over the course as best he might.

## SOPHOMORE RELAY

The Sophomore relay team will practice flag passing this afternoon, beginning somewhat earlier than last year. Most of the work so far has been in the form of starts and short jogs, so that as yet, nothing can be said as to the team's prospects for Field Day.

The following men have reported for practice: Atkinson, Cady, W. A. Clark, Day, C. M. Dean, H. G. Donovan, Doon, Gardner, Haviland, Swan, Hulburd, Quilhot, Sewall and Sullivan.

## FINANCE COMMITTEE

There will be a meeting of the Finance Committee in Room A of the Union tomorrow evening at half past seven.

## 1917 TUG OF WAR

Beginning this afternoon at 4 o'clock the Sophomore Tug of War Team will practice every afternoon at the Gym. The management considers it most essential that all men who expect to make the team should come out regularly every day in order to be in the best of condition for Field Day.

## RALPH ADAMS CRAM MAKES FIRST ADDRESS

Many Changes In The Department Courses In History And Design.

"We are watching now a destruction of monuments and landmarks unparalleled in history," declared Professor Ralph Adams Cram in his first address to the students of Course IV in his capacity of senior professor of the department of Architecture. He declared that for a time after the war there would undoubtedly be a period of depression but that following this architecture would receive a distinct impetus. He predicted that the present students of architecture would have "a greater opportunity than either my generation or the one before it ever had."

Speaking of the number of changes which have been made in the curriculum of the course Professor Cram said that the traditions of the Technology Architectural Department would be strictly followed.

Of the changes in the course the following two are the most notable. The courses in Architectural History and European Civilization and Art have been combined. Mr. Cram said that he considered this a great step in advance. The design work has been changed in many ways. The

(Continued on Page Three)

## CREW MEETING

Election of Officers—Fall Rowing To Be Discussed.

All men interested in crew work are to meet this afternoon at four o'clock in the Union. Plans for the year will be talked over and the question of fall rowing discussed. The election of officers for the year will take place at this meeting.

## GLEE CLUB TRIALS

Try-outs for the Glee Club will be held in the Union at 4.30 this afternoon. More first tenors and second basses are especially wanted. The Club request that all the men who were on the club last year to report at 4.15. Mr. Charles Bennett has been obtained to direct the singing this year. He is a member of the vocal faculty at the New England Conservatory of Music, and has a wide reputation in musical circles.

## CHESS CLUB MEETING

A meeting of the Chess Club will be held in Room B of the Union next Friday afternoon, Oct. 9th, at five o'clock. Officers for the coming year will be elected. The Chess Club invites all new men interested in its activities to be present.

## ELECTRICALS BEGIN YEAR NEXT TUESDAY

Reception And Good Speaking To Mark Initial Event Of Year.

The first meeting of the Electrical Engineering Society will be held next Tuesday evening, October 13, at eight o'clock in the Union.

Through the co-operation of the faculty, the opportunity of hearing some excellent speakers will be afforded. Professors Jackson and Wickenden have consented to speak, and also Dr. Kenelly of Harvard.

An outline of the prospective trips will be given and some of the members of the Society will tell of unusual experiences of the last summer. Following the business meeting a reception will be held and refreshments will be served during the course of the evening.

## TENNIS CLUB

Officers For Year Elected At Meeting in 26 Rogers.

Twenty persons were present at the meeting of the Tennis Club in 26 Rogers at one o'clock Monday. Woodbridge, '16, was elected president; R. H. White, '16, vice-president, and H. R. Stewart, '16, secretary and treasurer. The tournaments are to start this week. Entry applications are to be left at the Cage, this week, addressed to Woodbridge. The entry fees are fifty cents for the singles and seventy-five cents per team for the doubles. The club hopes that there will be a large number of applications and the competition keen.

## MAGAZINE OUT

The October issue of the Harvard Engineering Journal and Technology Monthly appeared yesterday.

Field Day Relay Men. Gym, 4 p. m.

## CALENDAR

Wednesday, October 7, 1914.

1.00—1917 Football. Union.  
1.30—Meeting of candidates for THE TECH. Lower Office.  
4.00—1917 Relay. Gym.  
4.00—1918 Relay. Gym.  
4.00—1917 Tug of War. Gym.  
4.00—Crew Meeting. Union.  
4.30—Glee Club Try-outs. Union.  
6.30—Catholic Club. Union.

Thursday, October 8, 1914.

4.00—Final Try-outs for Mandolin and Banjo Clubs. Union.  
7.30—Finance Committee. Union, Room A.

Friday, October 9, 1914.

5.00—Chess Club. Union, Room B.  
8.00—Brotherhood of St. Andrew, Trinity House.

# THE TECH

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Subscriptions within the Boston Postal District, and outside of the United States, must be accompanied by postage at the rate of one cent a copy.

WEDNESDAY, OCTOBER 7, 1914

## IN CHARGE OF THIS ISSUE.

Editor, H. E. Lobdell, '17.  
Assistants: J. G. Fairfield '16, B. N. Stimets '16, A. E. Keating '17, R. E. McDonald '17, F. A. Stearns '17, A. D. Nute, '17, W. F. Johnson '17.

It is no one-sided viewpoint that prompts us to advise every man, and particularly every Freshman, who is not already connected with some activity, to come to the meeting of candidates for THE TECH this noon. We have plenty of men to run the paper on its present tri-weekly schedule without overburdening anyone with work. We want new men who will benefit the paper and be benefited by their work on it, as we have been; men who will in due time fill our places better than we have filled them.

## FACULTY NOTICES

Students wishing to consult the Secretary, Professor A. L. Merrill, are requested to call during his office hours, which are from 1.30 to 2.30 P. M. on Mondays, Wednesdays and Fridays, and from 10.30 to 11.30 on Tuesdays and Thursdays.

**CLASS IN STREAM GAGINGS**—This class will meet from 4 to 5 Friday afternoon, October 9th, in Room 49, Eng. A. The text-book to be used is "Notes on Stream Gagings" by Professor Porter, which may be had at MacLachlan's, and for the first exercise students are asked to prepare Arts. 1-4 inclusive, and Arts. 44-49 inclusive, and to hand in the solution of Problem No. 19, which will be found in the back of the book. The work will be in charge of Professor Russell and arrangements for field exercises will be explained at the first meeting.

**ELEMENTARY FRENCH**—The hours for the course will be Monday at 11, Wednesday at 12, and Thursday at 3. Rooms are announced on the Lowell bulletin board.

**SECOND YEAR, COURSE XI**—Surveying on Thursday is changed to Friday 2-4. Descriptive Geometry is changed to Thursday 2-4.

**SECOND YEAR, COURSE XIV**—Metal Turning is transferred from Friday to Tuesday, 2-4. Mechanical Engineering Drawing is changed from Tuesday to Friday 9-11.

**LECTURES ON INTERNAL COMBUSTION ENGINES**—A course of lectures on internal combustion engines will be given by Professor Riley in Room 20, Engineering B, on Wednesday afternoons, at 2 o'clock, beginning October 7.

This course is open only to students who have completed one of the Institute's regular third year courses in Heat Engineering or the equivalent thereof. Registration is not required.

Of course you are not sure whether you will like the work, or how much good you will get out of it. The only way to find out is to try. The time required to learn is certainly not too much to risk for such a cause, so come to the meeting and see what the work is like.

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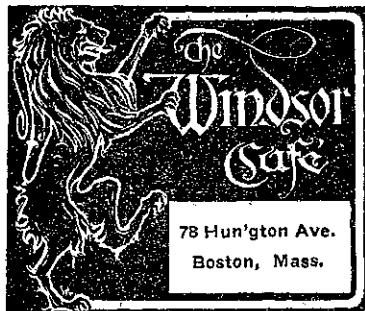
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**FACULTY CHANGES**  
(Continued from Page One)

Haynes, assistants in Inorganic Chemistry, Food Analysis and Electrical Engineering, respectively.

The reappointments include Robert Paul Lieder, instructor in German; Arthur L. Brown, Charles W. Burrage and George H. Clark, assistants in Mechanical Engineering, and David McGrath, research assistant in Electrical Engineering.

Resignations are: Charles A. Kraus, assistant professor of Physico-chemical Research; W. T. Aldrich, instructor in Architecture; B. T. Rauber, assistant in Inorganic Chemistry; L. A. Sallinger, assistant in Food Analysis; R. S. Rankin, assistant in Electrical Engineering and B. L. Cushing and J. G. Russell, assistants in Mechanical Engineering.

**CRAM'S ADDRESS**

(Continued from Page One)

regulations which now govern the course are:

The problems in Design will be given as heretofore in four grades, Grade 1 starting in the second year of the regular four-year course in Architecture, Grade 4 corresponding with the graduate year.

Numerical counts will be given in accordance with the mention awarded the solution of a problem at the judgment, and students may advance at any time of the year upon completion of the required number of counts (see schedule below).

Each student is required to main-

tain a satisfactory general average in his work outside of Design. Should this work show neglect, and his general record become unsatisfactory, the student may be required to drop Design until his record meets with the approval of the faculty.

The Numerical Grading of the Problems is as follows: In the long problems a "Medal," 16 points; 1st Mention, 12 points; 2nd Mention, 9 points; "Placed," 5 points; In the short problems a "Medal," 5 points; 1st Mention, 3 points; 2nd Mention, 2 points; "Placed," 1 point.

To be promoted from Grade 1 to Grade 2: 34 points will be required, of which at least 7 and not more than 12 must have been received in sketch problems.

To be promoted from Grade 2 to Grade 3: 76 points will be required, of which at least 15 and not more than 24 must have been received in sketch problems. 3rd year Option II. students must receive a total of 27 points in order to pass in Design, but to complete Grade 3 the rule for Option I. (above) holds.

To be promoted from Grade 3 to Grade 4: 84 points will be required, of which at least 15 and not more than 24 must have been received in sketch problems.

In order to undertake the thesis for an S. B. degree in Architecture a student must have received at least 53 points in the Grade 3 problems, of which at least 10 and not more than 15 must have been received in sketch problems.

(Continued on Page Four)

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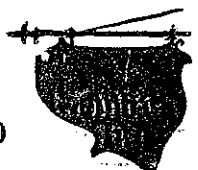
Doctor Mann To Greet Tech Men At Trinity House Next Friday.

On Friday evening, October 9th, at eight o'clock the Technology Chapter of the Brotherhood of St. Andrew will hold its annual reception to Episcopalians at Trinity House, 93 St. James Avenue. Invitations have been sent to all Freshmen whose names are on the T. C. A. list and also to many upperclassmen but the chapter wishes to urge that anyone who is at all interested in the Episcopal Church be present. Dr. Mann, the rector of Trinity Church, will welcome the new men to Trinity and will be especially glad to greet his old friends among Tech men.

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**CRAM'S ADDRESS**  
(Continued from Page Three)

In order to undertake the thesis for an S. M. degree in Architecture a student must have received at least 75 points in the Grade 4 problems, of which at least 18 and not more than 27 must have been received in sketch problems.

**MANDOLIN CLUB TRIALS**

Trials for the Mandolin and Banjo Clubs were conducted yesterday by the leaders, assisted by Coach Lansing. At this time about thirty men responded to the general call. Further trials for those who could not be present yesterday will be conducted in the Union Thursday afternoon from four to five o'clock. Men who play the banjo or mandola are especially needed.

**GYM NOTICE**

A sporting house representative will be at the Gym from five to six on Wednesday, Thursday and Friday, for the purpose of taking orders for Freshman and Sophomore uniforms. Men ordering now will receive a greater discount than those ordering later.

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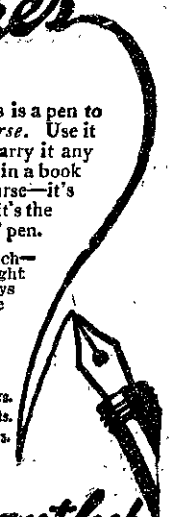
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**ENGINEERING AND SCIENTIFIC NOTES**

According to the latest report, Coney Island is to have another isolated power plant. Bids have been asked on a 2500-k.w. capacity power and lighting plant, the main units to be turbo-generators. This plant will be constructed by the Luna Amusement Co., and will furnish power and lighting for Luna Park and its attractions.

Tools that are used or stored in damp places can be kept from rusting by using the following protective coating: Get a half a pound of melted lard, stir in a half ounce of camphor, and skim off the scum; next add, constantly stirring, three ounces of finely powdered graphite, and apply the mixture hot to the tools after they have been cleaned and wiped dry. Any surplus of the grease can be wiped off after 24 hours with a cloth or clean waste.

A High Boiler Pressure is to be carried on the battleship "Nevada," just launched—295-lb. gage. Oil-fired Yarrow-type boilers will be used.

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**LOST NOTICE**

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Candidates for THE TECH. Lower Office. 1.30 Today.

Sophomore Football. Union. One o'clock.

Four weeks and two days to Field Day.

Sophomore Tug of War. Gym. 4 p. m.

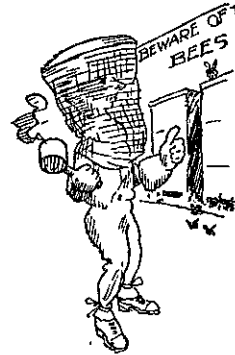
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DWIGHT P. ROBINSON, '92

Securities of Public Service Corporations

Under the Management of our Organization

**STONE & WEBSTER  
Management Association**  
General Managers of

Public Service Corporations

**STONE & WEBSTER  
Engineering Corporation**  
Constructing Engineers

**T**HE first call for candidates for THE TECH was issued in last Monday's issue. The men interested are to report at the lower office today at 1:30 P. M. The heads of the different departments will be present at this time to explain the nature of the work. If you have any inclination for writing news or if you wish to get some valuable business experience THE TECH offers you the chance.

Although this call is issued primarily to freshmen any undergraduate may take advantage of it. At the end of five weeks a cut will be made and the men showing the greatest activity will be retained on the staff and the others dropped. As only about five or six places are open it is necessary that those really in earnest be on hand at this time.