

'28 VOTES TODAY ON COMMITTEEMEN FOR SENIOR WEEK

Will Elect 3 Marshals and 25
Committeemen to Assume
Charge of Affair

GIVE RESULTS TOMORROW

Preferential and Hare-Spence
Systems Will Be Used
In Counting

Polls will be open in the Main Lobby today from 8:30 o'clock until 5:30 o'clock to receive ballots cast in the annual selection of three Senior Class Day Marshals and 24 members of the Senior Week Committee. Six men are candidates for the position of Marshal this year and 32 seek membership on the committee.

All members of the Class of 1928 are eligible to vote, and are requested to exercise their privilege in order that the results will be indicative of the wishes of the class. As usual, voting will be done by putting numbers opposite the names of the candidates in the order of the voter's preference, and the voter may vote for the entire list in this way.

Method of Counting Ballots

The Preferential System of counting will be used in determining the successful aspirants for Marshal, but the votes for the committeemen will be counted by the Hare-Spence system. In this system the number of votes needed for election is decreased, and as a result there is much less work involved in counting the ballots. Results of the elections will be announced and passed upon by the Institute Committee at its regular meeting tomorrow afternoon.

After elections, the Senior Week committee is subdivided into several sub-committees which govern the activities and arrangements for Senior Week. The position of Marshal is essentially honorary, as no provision is made for any connection with the committees. For this reason, it is perfectly permissible for Seniors to hold both positions if elected.

Form Is Subject Of Third Concert Given by Whiting

Audience Was Smallest That
Has Attended Any of
The Recitals

"Do not worry if you cannot comprehend the purpose of form," remarked Mr. Arthur Whiting at the beginning of the third Whiting concert last night. "An understanding of it can be acquired after a time, although it seems very difficult at the beginning." He then went on to discuss form in music.

The first form ever used was the variation; the second the fugue, of which Bach is perhaps the greatest exponent. Then came the sonata, of which these written by Handel are typical, the rondo, and symphony.

Mr. Whiting gave a somewhat detailed discussion of the sonata. It consists of four independent movements, the first lively, the second slow, the third somewhat light and fantastic, the fourth brilliant. In the movement, the first part is an exposition of the idea of the composition, the second an analysis of this central thought, and the third finishes the idea of the piece and is a sort of recapitulation of the whole movement.

The first numbers played were works of Cesar Franck, whom Mr. Whiting characterized as the greatest composer of the French romantic school. His work was ignored during his lifetime, but since his death he has been canonized.

A rendition of the first two movements of Handel's Sonata in G minor was given. This composer, quite differently from Franck, achieved his fame before his death, and enjoyed a very wide popularity.

"You need not feel discouraged if you do not like Brahms' music at first," said Mr. Whiting, in remarking upon Brahms, one of whose pieces was next played. "Indeed, it would be pleasant if one did not have to hear Brahms for the first time."

Seniors Select Marshals Today

Three of the following six Seniors will be chosen as Class Day Marshals in the Senior Week Elections to be conducted in the Main Lobby today:

Gilbert J. Ackerman
Edwin F. Celette
James Donovan
Elisha Gray
Arthur R. Keith
Cyril B. Meagher

At the same time the Senior Class will select 25 members for the Senior Week Committee.

T. E. N. FEATURES CIVIL ENGINEERING

Article on Hudson River Bridge
Appears In February
Number

Featuring civil engineering and construction in three of its major articles, the February *Tech Engineering News* will make its appearance tomorrow. Chief features of the issue are an article on "The Hudson River Bridge," written by O. H. Ammann, Chief Engineer of Bridges of the New York Port Authority; "The Physical Properties of Clay," by Professor Terzaghi; and "Arc Welded Steel Structures," by A. M. Candy, Arc Welding Engineer of the Westinghouse Electric and Manufacturing Company.

"Knowledge plus Wisdom," by William E. Nickerson '76, gives part of the Airdred lecture of the same name delivered by him several weeks ago in which he makes a plea for a course in "Humanities" at the Institute. "Testing Large Waterwheel Generators," by David O. Waterbury '21 describes the new test pit recently built by the General Electric Company for the testing of these machines. The monthly also contains its usual features.

ELECTRICALS WILL SEE MOVIES TODAY

The Electrical Engineering Society will hold an open meeting in Room 4-270 today at 4 o'clock for which two educational films have been provided through the courtesy of the General Electric Company. The first of the films is "The Electric Giant," a picture showing the construction of large electric locomotives; the other is entitled "Making Mazda Lamps." The meeting is open to all students.

CATHOLIC CLUB HOLDS MEETING AND DANCE

As an innovation on the program of the Technology Catholic Club, an informal meeting of the members will be held in room 2-431 this afternoon at 5 o'clock. It is planned to have one of these meetings on the first Wednesday of every month for the remainder of the term which will be directed by the chaplain, Father Quinlan, and James A. Cullen '28, president.

Tomorrow evening the club is holding a joint Valentine's dance with the Saint Cecilia's College Clubs at Saint Cecilia's hall on Belvedere Street, the fifth of a series of dances that is being run this year. Music will be furnished by the Tectonians.

PROFESSOR BRAGG CONDUCTS COURSE HERE THIS TERM

Is One of Leading Authorities
In World on Crystal
Properties

WILL GIVE 30 LECTURES

Taught Sound Ranging To
American Army Officers
During World War

Professor W. L. Bragg, head of the Department of Physics at the University of Manchester, England, is giving a series of 30 lectures concerning crystalline physics at the Institute. The lectures are held in Room 4-370 every Tuesday, Wednesday, Thursday and Friday at four o'clock.

The lectures cover most phases of crystal physics including the determination of the nature of the crystal, its application to practical problems, relation between structure and physical properties of material, the hardness, the electrical conductivity, optical properties and chemical properties.

Professor Bragg, who is on a three months' leave of absence, has been the head of the Physics Department of the University of Manchester for eight years, having been appointed to the position immediately after the war.

During the war, Professor Bragg (Continued on page 4)

Brown and M.I.T. Combined Clubs To Give Concert

Tectonians To Furnish Dance
Music After Concert
Friday

Technology's Musical Clubs will hold their long heralded Combined Concert with Brown's Combined Musical Clubs at the Hotel Somerset, Boston, on Friday night. A Combined Concert, which was formerly an annual affair, was discontinued last year, but if this one proves successful, one of that type will again become a yearly feature on the Musical Clubs' schedule.

Dancing will follow the concert, which should be over between 10:30 and 11 o'clock, and the Tectonians will play from then until 2 o'clock, when the affair will be over. This will be the only appearance of the Brown clubs in or around Boston for some time.

The Brown Glee Club, one of those which will participate in the concert on Friday, has been a contender for the Intercollegiate honors for many years, as has the Technology Club, and will again be a contender this year. The Banjo Club of Brown is of the regulation type and will offer a varied program. The Brown Musical Clubs also have a specialty number on their program, but due to lack of space on the program Friday night, the specialty number will have to be left out.

Of the Technology Clubs, mention need only be made of the fact that they have changed their program, and will offer a new series of numbers. Tickets for the concert are on sale in the Main Lobby every day from twelve until two o'clock and are \$5 a couple or \$3 stag.

Freshman Loses Sleep In Hunt for Distance

John M. Hollywood '31 decided last Saturday that the Institute radio station 1MX hadn't worked enough distant stations. Something had to be done about it. Suddenly he had a brilliant idea: Why not work some himself? He did.

Starting at 8 o'clock Saturday evening, Hollywood kept on sending dah-dit-dits until 8 o'clock Sunday morning, and when he had at last stopped for a bite to eat, his scorecard showed that he had talked to seven foreign stations, including three in Australia, one in New Zealand, one in Brazil, one in England, and one in France, bringing the society's score in the International tests up to 30 points.

Was Hollywood content with this exhibition of insomnia? He was not. During the remainder of these tests, Hollywood intends to sleep until 2 o'clock and then operate the station until classes begin the next morning. John N. Dyer '31 and Albert E. Cullum '31, intend to operate the transmitter while Hollywood sleeps, which should give the station an efficiency of something or other.

CIVILS WILL JOIN IN JOINT MEETING

Annual Affair With Five Other
Engineering Societies Is
At Tremont Temple

Technology will be represented at a joint meeting of most of the civil engineering societies of this vicinity which will be held in Chipman Hall, Tremont Temple tonight. A buffet luncheon will be served at 6:15 o'clock, and at 7:15 o'clock Mr. John H. Gregory, Consulting Engineer and Professor of Civil and Sanitary Engineering at Johns Hopkins University will deliver the principle address of the evening on "The O'Shaughnessy Dam and Reservoir."

This combined meeting is an annual affair, at which various questions which have arisen during the past year are discussed. The Societies who are invited to attend the supper and meeting are the Boston Society of Civil Engineers; The Harvard Engineering Society; Tufts Civil Engineering Society; Northeastern University Section of the Boston Society of Civil Engineers. During the luncheon, the Northeastern University Band will play several selections.

AWARD NUMERALS TO 1931 FOOTBALL MEN

Shingles Are Now Obtainable
In M. I. T. A. A. Office

Following is a list of the members of the freshman Field Day football team which were passed upon as eligible for the award of class numerals by the Executive Committee of the M. I. T. A. A. at their meeting on Monday afternoon. Frederick Powers, Allen P. Wilson, Jr., Myrtle M. Perkins, Minor D. Allen, Harold Kamy, Robert Sanders, William B. Cott, Frederick M. Moss, Wyman P. Boynton, Henry B. Alborg, Frank E. Garratt, Robert McMin, Philip Hardy, B. J. Grondal, F. J. Pruyne, Jr., Timothy P. Coffey, Horace S. Ford, Jr., Robert Lamretti, Harold F. Champain, Elliot D. Giddon, William J. Hubbard (Manager).

COAST ARTILLERY TO HOLD R.O.T.C. SMOKER

All members of the Coast Artillery branch of the R. O. T. C., especially Sophomores and Juniors affiliated with the unit, are urged to attend the Coast Artillery Smoker to be held Wednesday at 7:30 in the North Hall. Walker Major Winslow promises to show some real action movies taken in France, and Col. Harold E. Cloke, in charge of the R. O. T. C. at Technology, will speak. Refreshments will be served.

This smoker is planned to get the members of the unit to know each other.

A. MACOMBER '07 IS NOMINATED FOR ALUMNI PRESIDENT

H. B. Richmond '14 Proposed
For Treasurer of The
Association

PROMINENT MEN ON LIST

Also Make Nominations for
Term Corporation Member-
ship at Meeting

Alexander Macomber of the firm of Macomber and West of Boston, has been nominated for president of the Massachusetts Institute of Technology Alumni Association. Mr. Macomber was graduated in 1907, and has been active in alumni affairs. For many years he served as chairman of the alumni advisory council in Tech Show.

Harold B. Richmond '14, Treasurer of the General Radio Company of Cambridge, has been nominated for vice-president of the alumni association. Those proposed for the executive committee are Dr. Samuel C. Prescott '94, Head of the Department of Biology and Public Health at Technology, and now president of the alumni association, and Edward B. Rowe '06, member of the engineering staff of O'Brien, Russell & Company of Boston.

Nominations for term membership on the corporation of the Institute are Dr. Charles G. Abbot '94, Secretary, Smithsonian Institution, Washington, D. C.; William H. Bassett '91, Technical Superintendent and Metallurgist, The American Brass Company, Waterbury, Conn.; Henry F. Bryant '87, Consulting Engineer, Brookline, Mass.; Charles G. Merrell '88, President, William S. Merrell Company, Cincinnati, Ohio; William E. Nickerson '76, Vice-president and Director of the Gillette Safety Razor Company; Albert B. Tenney '94, Vice-President of Charles T. Tenney & Company, Boston; Lamot du Pont '01, President, E. I. du Pont de Nemours & Co., Wilmington, Delaware; Dr. Frank B. Jewett '03, Vice-President of American Telephone and Telegraph Company, in charge of Development and Research, New York City; and Reginald A. Wentworth '04, Manufacturing Manager, The Barrett Company, New York City.

Those nominated for representative-at-large on the alumni council are George A. Chatter '21, Schenectady, N. Y.; Hermann C. Henrici '06, Kansas City, Mo.; Walter E. Hopton '91, Syracuse, N. Y.; Stuart R. Miller '07, Cincinnati, Ohio, and Howard S. Morse '03, Indianapolis, Ind.

Beaver Baseball Team Will Hold Rally Tomorrow

Decide Freshmen, Transfers
Eligible to Play on This
Year's Team

Baseball for the 1928 season will get under way at the Institute tomorrow with the holding of a mass meeting in 2-198 at 5 o'clock, which all who are interested in the sport are invited to attend. There will be several speakers, and plans for the coming season will be made known at the rally. It is expected to begin indoor practice in about three weeks.

The former freshman team has been abandoned, and in its place there will be only the Beaver baseball team. As long as the M. I. T. A. A. has refused to recognize the Beavers as a varsity Institute team this year, the management has decided to do away with eligibility rules this year, and therefore freshmen, transfers and others

(Continued on page 4)

CALENDAR

Wednesday, February 15
5:00—Catholic Club Meeting in Room 2-431.
8:30—5:30—Senior Week Elections, Main Lobby.
Thursday, February 16
9:00—Catholic Club Valentine's Dance at St. Cecilia's Hall.
Friday, February 17
8:30—Technology and Brown Musical Clubs Concert, Hotel Somerset.

Attention, '30 and '31!

THE annual mid-year competition for positions on the staff of THE TECH is now open. We can use the number of men set forth in the following list:

News and Sports Departments	12
Editorial and Features Departments	6
Business Department	12

The work is interesting and the training will prove invaluable. If you want to gain first hand experience in business or the ability to express yourself clearly in writing, drop in and see us now, in Room 3, Walker Memorial if you are interested in writing, in Room 302 if you are interested in business. You need have had no experience. COME OUT!

A Record of Continuous News Service for 47 years.



Official News Organ of the Undergraduates of M. I. T.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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In charge of this issue: W. J. Danziger '29

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CIRCULATION DEPARTMENT: Assistant Circulation Manager: G. K. Lister '30; Staff: J. Alkazin '31, J. K. Minami '31, G. Roddy '31

ADVERTISING DEPARTMENT: Assistant Advertising Managers: C. H. Lutz '30, S. A. Moss '30; Staff: L. Fox G., H. B. Preble '30, H. J. Truax '31

As We Like It

I'LL LEAVE IT TO YOU

"I'll Leave it to You" at the Repertory assuredly does leave it to the audience to find out for itself whether the comedy was as light and simple as advertised by the management, or whether Noel Coward used the play as a vehicle with which to poke fun at the audience and laugh at its uncertainty and discomfort. Personally speaking, we felt slightly disconcerted, though the excellent acting, congenial atmosphere, and lively spirit of the company blended into a pleasing combination to offset the uncomfortable position Noel Coward placed us in.

Picture an English family of five grown-ups, unused to work, but very much at home when at play, living on the remains of a gift from a rich uncle in America, and you have in a nutshell the scene of the comedy. We almost forgot to mention the mother, well played by Cecilia Radcliffe, who has her hands full keeping the children from jumping at each other's throats.

The first act opens on this worried family precariously situated—money practically all gone to keep up their mode of living, and only one prospect in sight—the rich uncle from America, Daniel Davis, acted by Milton Owen. And of course, mother insists that the children cannot work. They weren't brought up to it. But what can they do when clever uncle Daniel tells each one, during his visit to England, that he will leave his fortune in three years to the one who succeeds in whatever work he or she chooses to follow? The result is a family of geniuses. When they discover after eighteen months that their uncle is as poor as they were, anger swiftly follows. However, the end of the play proves so delightful and clever that we do not hesitate to "leave it to you."

M. B.

100 College Men Will See England During Vacation

College Humor and Art Crafts Plan Visit To Eaton And Oxford

Incessant warfare waged by Mayor Thompson of Chicago upon King George for the past several months has succeeded in keeping both of those gentlemen in the limelight but to date no loss of territory, cutting off of food supplies, or loss of prestige has been noticed by supporters of King George. And now to make matters worse, at least as far as the mayor is concerned, a group of 100 American college students have declared their intention of setting sail from Montreal on June 22 to celebrate July 4 in old "Lunnon."

The entire party, which is being planned by College Humor and the Art Crafts Guild, will extend over a period of twenty-nine days. From Montreal the group will go direct to Liverpool and a trip through many of the cities and towns made famous by the writings of Shakespeare, Scott, and Gray will begin. Among the places to be included in the sight-seeing journey will be Leamington, Warwick, Stratford-on-Avon, Shottery and Stokes Poges. An inspection trip will also be made of Eaton and Oxford Universities.

Other places made famous in history and fiction included in the itinerary are Trafalgar Square, Pall Mall, the National Galleries, Tates, Marlborough House, York Palace and Piccadilly Circus. At the First Avenue Hotel, London headquarters of College Humor, will be held the mammoth Fourth of July party with a huge banquet entertainment and dancing to the music of an American college jazz band which will accompany the tour through four countries. A few days will be spent in Belgium and Paris and on July 14 the S. S. Australia will start back to America with its collegiate cargo.

COPITHORNE TO GIVE READING TOMORROW

On Wednesday afternoon at four o'clock Mr. M. R. Copithorne of the Department of English will confer in the Faculty Room at Walker with students desirous of learning to read aloud and to use their speaking voices more effectively.

For five years a similar movement has been under way at Oxford University. It began under the inspiration of John Masefield, who is, with Kipling, the most distinguished of modern English poets and whose interest has continued to sustain it.

There the object has been to afford opportunity and practice in the recitation of verse. Here at Technology the immediate aim will be to permit

Play Directory

STAGE: COLONIAL: "Sidewalks of New York," with Ray Dooley. An amusing musical comedy of high calibre. COPLEY: "Yellow Sands," A new comedy direct from London. HOLLIS: "4 Walls," with Muni Wisenfreund. A thrilling drama. MAJESTIC: "Yours Truly," Good dancing and Leon Errol. REPERTORY: "I'll Leave it to You." Reviewed in this issue. SHUBERT: "George White's Scandals." A large New York cast. WILBUR: "The Road to Rome." Jane Cowl shows how human the Romans were. PLYMOUTH: "Straight through the Door." A fine character study by William Hodge.

SCREEN: METROPOLITAN: "Take a Chance Week." Reviewed in this issue. LOEW'S STATE: "The Gaucho." A typical Douglas Fairbanks picture. FENWAY: "The Cohens and Kellys in Paris," and "Coney Island." More of a common comedy type. TREMONT: "Wings." Thrilling air battles, excellently filmed.

At the University of Cincinnati, the president of the Junior class got the office because he was the only man to circulate a petition for it.

Of 374 players chosen by Walter Camp on his All-American teams, only 15 are now football coaches, the "Dartmouth" has discovered.

There are at least four colleges in this country—namely, Harvard, Radcliffe, Middlebury and Norwich, which have abandoned to a greater or less degree the time-honored custom of semester examinations, and have adopted a modified form of the European comprehensive system, under which examinations are given only at the end of a course.

of the students' learning to read aloud with understanding and with imaginative feeling both prose and poetry and to gain such mastery of voice and of the spoken word as shall enable him to use it more effectively.

Man Riled by Rivals' Time Claims

Rutherford, N. J. March 9, 1927

Larus & Bro. Co. Richmond, Va. Gentlemen:

I sure get some riled when I see where some fellow is crowing over the fact that being older, and having run into Edgeworth sooner than his less fortunate compatriots, he challenges the world as the champion long-time member of the Edgeworth Club.

He doesn't deserve any medals. He got his reward in the enjoyment of his smoking for the added number of years. He was just lucky in starting sooner, that's all.

However, if you care to delve into ancient history, look up when they first started to pull down the old Grand Central Station in New York, then add at least six months to that, and you will arrive at the approximate time when I first joined the club.

I have smoked at least one pipeful of every other tobacco I have seen advertised, sometimes through necessity, but most of the time to prove to myself that I have been right in sticking to the old blue tin.

Yours truly, H. M. Wittridge

*April, 1907

Edgeworth Extra High Grade Smoking Tobacco



"Hail! Hail! The Gang's All Here!"

WHETHER it is a football game or an exam knocked for a loop, there is always some joyous occasion for "Canada Dry." Then whoop her up with a light-fingered jazz-artist on the ukulele and "Hail, Hail! The Gang's All Here!" in close harmony.

"Canada Dry" has a delightful flavor . . . tang to it . . . dryness . . . sparkle. It contains no capsicum (red pepper). And because it contains only pure Jamaica ginger to give it that mild, subtle taste, it blends well with other beverages.

CANADA DRY

"The Champagne of Ginger Ales"

Extract imported from Canada and bottled in the U. S. A. by Canada Dry Ginger Ale, Incorporated, 25 West 43rd Street, New York, N. Y. In Canada, J. J. McCoughlin Limited. Established 1890.



Look for the name "Canada Dry" on the bottle cap. That shows you know your groceries.

THE BALLOT OF THE INTELLECTUALS

AT the present time it seems to be the vogue in the various colleges of the country to decide on who the next president of this republic will be. The sponsors of these student and faculty polls in most cases feel that they indicate the trend of the country at large; for, as they say, "Haven't the candidates we have chosen been elected in the past?"

Student and faculty polls are excellent in their way, but like any other experiment the results have definite limitations which must not be forgotten in their interpretation. The laws of chance make possible a certain percentage of correct prophecies no matter how unrepresentative the conditions of the poll may be. But it seems to us to be a rather doubtful policy to think that such college votes signify to any appreciable extent the desires of the country.

Take for example a case closer to home which is easier to analyze. In a city which contains two large colleges, Harvard and Technology, one would suppose that the colleges would be able to indicate the trend of local politics but such is not the case. In every election candidates that are endorsed by the leading educators living in the city are beaten by a man without even a high school education. Yet the college population makes up a larger percentage of the voters of Cambridge than the entire college population does of the nation. The colleges seem to have quite different tastes in candidates from what the less educated majority has.

When the colleges and popular opinion do happen to agree, they quite frequently pick the same candidate for different reasons. The well educated man theoretically at least bases his attitude on carefully weighed arguments, while a large number of people are swayed solely by prejudice. Although this may be overestimating the college man and underestimating the others, at least there is a trend in this direction due to the difference in training. Different environment also plays its part, together with the fact that a better class than the average of the whole country goes to institutions of higher learning.

In a democracy such as ours the majority rules, and it appears to us that the colleges are not representative of the majority opinion. Accordingly they can not be counted on to show the tendency of the nation's thought. Student and faculty polls are admirable in their place, but they give little indication of the results of future elections.

COURSE GRIEVANCES

SINCE voicing a popular notion in the minds of many students through the editorial, "Courses That Gripe," we have asked members of both Faculty and student body for more definite viewpoints as to the "traditional stagnation" of which the Institute is supposedly a victim. Few failed to admit that a representative opinion of readers of THE TECH would open the eyes of many to the attitude of undergraduates toward present instructional methods.

Simply as a basis for discussion, the required courses in elementary physics were selected for several of the conversations. Practically all of the students who gave their views were of the opinion that something is quite wrong with much of the prescribed work, whether it be that it is made too difficult, taught poorly, or simply fails to impress the lower classes with its importance. Naturally this is only one of the many courses that could call forth some surprisingly pointed criticisms.

Personally, we have rather decided likes and dislikes, just as every other group in the school has, but we feel that, coming as they do from a small minority, they would be inclined to be somewhat biased in comparison with the general feeling; hence we prefer before voicing such limited opinion to depend upon the questionnaires mentioned late last term.

These questionnaires will, we hope, enable the student body to air without shyness or embarrassment their feelings toward certain of the courses which are taken by the majority of the undergraduates. Results of the system will be made known through articles and editorial comment, probably at the rate of one course each issue. Should the heads of the different courses show an interest in the criticism, it is our plan to ask each in turn to reply to the student grievances. Further suggestions will be welcomed.

OARSMEN START ON INTENSIVE TRAINING

PROSPECTS FINE FOR VARSITY AND FRESHMAN CREWS

More Men Out Than Ever Before, Including Six Veterans of 1927

TRAINING TABLE STARTED

Opening his intensive training season with the largest and best turnout of oarsmen in the history of Technology, Coach Bill Haines started last week down the long, long trail which he hopes will lead to a position in the starting line at Poughkeepsie. Over twenty experienced men were on hand the first day to fight for positions on the two heavy varsity boats; in addition, three full crews of 150-pound varsity candidates turned out to greet the popular mentor. In all, there are about 125 fellows who have answered the call, of these, about seventy are freshmen.

Previous to this term, varsity and frosh candidates had been rowing on the machines on alternate days. Outdoor practice was curtailed shortly after Field Day, and, as is customary, it was decided to cut down the practice schedule to three days a week for the remainder of the term. During this time, there were two varsity boats and one hundred-and-fifty crew rowing individually, under Haine's coaching, together, but the freshmen worked out. There was no lag in interest during the off-season. Several new men came out and have improved sufficiently to make them serious contenders for places on the regular crews.

Losses Low After Mid-Year

This term's work started on Tuesday, Feb. 7, when the varsity crews were put through a preliminary workout of about four hundred strokes. Emphasis was placed upon rapid regaining of form, and there did not seem to be any prevalence of poor condition as the result of mid-year exams. Losses at mid-years were considerably lower than usual. Practice on six days a week was announced, and advance notice of training requirements was given out. While the varsities were using the pneumatic machines, Coach Art Underwood was assembling the first two freshman boats, picked before mid-years, on the strap machines, and he announced a similar practice schedule for them. Following the completion of the day's work for the varsity and first two frosh boats, the hundred-and-fifties and third and fourth frosh took possession of the oars. Coach "Ced" Valentine was in charge of the 150's.

Improvements on the boathouse are about completed now, and everything is running smoothly at present. Varsity crews row at 5:45. First and second frosh begin at 5:30 and are through in about twenty minutes, after which the third and fourth boats are put to work. All crews follow their rowing practice with a short run down Memorial Drive.

Varsity Has Training Table

Training table in the Walker grill room was inaugurated Monday, and every man rowing on a regular crew is expected to eat lunch and supper here. The attendance the first two days was large, and indicates a willingness to obey training rules on the part of men. Beginning three weeks before the first race, no men will be

Crew Lineups Selected by Coach Haines

Varsity	J. V.	1st 150
1. Kelsey	1. Wells	1. Weaver
2. Zurwelle	2. Jackson	2. Newman
3. Knight	3. Peters	3. Sherman
4. Erickson	4. Moore	4. W. MacKusick
5. Malmquist	5. Landen	5. D. MacKusick
6. Dolben	6. Godfrey	6. Burley
7. Tittman	7. Bennett	7. Nichols
8. Holt	8. Latham	8. Harris
cox, Karas	cox, Booth	cox, Bullock
1st FRESHMAN	2ND FRESHMAN	2nd 150
1. Hall	1. Ayers	1. Carr
2. Brennan	2. Cunningham	2. Lyons
3. Kohler	3. Birdsell	3. DeLorenzo
4. Otis	4. Nordsiek	4. Somers
5. Bennett	5. Rucher	5. Straat
6. Evans	6. Morris	6. Orleman
7. Macleod	7. Cannon	7. Walker
8. Richardson	8. Baxter	8. Gibbons
cox, _____	cox, _____	cox, Twarogowski

excused from training table. Training rules have also been laid down to the men, and are to be obeyed strictly, beginning at once.

The calibre of the men competing is a matter of intense satisfaction to the coach. He has six of last year's varsity back, in addition to one varsity man of two years ago who was not on last year. Two of his last year's jayvees are with him again, and an abundance of good Sophomore material. Coach Haines is planning to use the recently-formed third varsity as a training boat for new men, and expects the third boat to stimulate competition among the first two crews. The competition among the three light varsity boats is a joy to behold. The men are so evenly matched that every one is in a good way to row on the first boat one night and the third the next night. As a consequence, every man is on hand early, and Coach Val-

entine is already driving the men at a rapid pace.

Good Prospects for Freshmen

Among the freshmen, the outlook is very good. The very fact that four regular crews can be held together is an indication of the wonderful spirit prevailing. The frosh are up to the average in weight, and have not lost heavily at mid-years.

Outdoor practice should be under way by the anniversary of last year's first outside work, Feb. 26. Plans call for about a week on the sixteen-oared training barge, until danger of floating ice is gone, and from that time on, at least ten crews will be on the river every day. Besides these ten, there are three more available shells, and the coach is anxious to fill them. He expects one crew of ineligible to report for practice as soon as the ice is out of the river, and will boat as many men as care to row together.

At the annual chess tournament between Harvard and Yale held recently, contestants outnumbered spectators ten to one.

College athletes have a better prospect of long life than the average man, and this prospect is improving each year, according to statistics compiled by a life insurance company. Yale athletes live longer than those at Harvard, while Dartmouth has the highest mortality rate of the ten colleges included in the survey.



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PROFESSOR BRAGG CONDUCTS COURSE
Many From Harvard, Wellesley And Radcliffe Attend Lecture Series

(Continued from Page 1)
 was in charge of the Sound Ranging section of the Army, which located German batteries and gave their approximate position so that an aeroplane could photograph that section and the enemy battery could be accurately located. The British army had a school in sound ranging behind the lines and taught many American officers the principles of the art, after America entered the war.

There were approximately 150 American officers that studied this course under the direction of British officers. The latter had more practical experience in this field due to the fact that they had been participating in the war for a longer period of time. This method of locating enemy cannon was especially valuable during foggy weather.

Students may sign up for the course and receive credit for it. Many graduate students from Harvard, Wellesley, and Radcliffe are attending the lectures, which began on February seventh. The lectures will continue for a period of eight weeks and will be given four times a week. All students may attend.

BOOKS

Students having books needed in the second term will find a ready sale for the same (at two-thirds original cost) by leaving them at the T. C. A. Office in the basement of Walker Memorial.

Harvard University has entered the field of visual education by means of motion pictures. As a result of a contract with Pathe Exchange, the university will prepare a series of scientific pictures to be known as the Pathe Science series. Although designed primarily for university, college, and high school use, these pictures will be appropriate for theatre, church, club and other social organizations.

BASEBALL PRACTICE WILL BEGIN TUESDAY
Several of Last Year's Beaver Team Are Back

(Continued from page 1)
 affected by the one-year rule, and students otherwise debarred by the three-years-of-competition rule will be accepted as candidates for the Beaver team.

Last year's team did fairly well, winning four games and losing four. The Advisory Council on Athletics contributed \$300 to the organization's treasury at the end of the season, and many believe that the coming season will be very successful. Cullinan, Allen, Crosby, Davis, Stanley, Farwell, Donahue, and Riley of last year's Beavers are back again, and so are Riley, Smith, McHugh, La-Pointe, Spahr, Lucey, Burke and O'Connor of last year's freshman team.

FRESHMEN PUCKSTERS DEFEATED BY NEWTON
Horace Ford, Jr., Was Elected Captain After Game

Newton high defeated the Technology freshmen 4 to 0 on Monday afternoon at Bulloughs pond. The high school players have one of the best teams in their history and are now leaders of the Suburban league, so it was not surprising that the Cardinal and Gray yearlings could not hold them off.

At the conclusion of the game Horace Ford, Jr., star center of the M. I. T. freshmen was elected captain. If there is ice, Ford will have an opportunity to lead his team in a game on Friday, when the Technology freshmen are scheduled to meet the New Preparatory school.

Experiences derived from participation in student activities are considered least valuable by alumni according to the results shown in a survey taken by Prof. C. E. Natkey, director of statistics of Rochester College.

Extensive excavations are to be made at Athens, Greece, in 1929 under the auspices of Princeton.

Seniors of the University of Ohio are wearing black hats as the official insignia of their rank.

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The SPORTS PAGES in the Boston Evening Transcript

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