

# THE TECH

VOL. XXXV. NO. 53

BOSTON, MASS., MONDAY, DECEMBER 13, 1915

PRICE THREE CENTS

## JUNIOR PICTURE TO BE TAKEN TOMORROW

Class Of 1917 Will Assemble On Rogers Steps At 1.05 For Technique Picture.

Tomorrow at 1.05 the Juniors will assemble on Rogers steps for the Class photograph which will be published in Technique 1917. At the same time, the statistics blanks for the Class will be distributed, in order that they may be returned before the Christmas vacation.

The time is set at ten minutes after the close of the preceding Political Economy exercise to allow for the Course XV men who have to come from other classes.

Photograph Editor Farnsworth plans to have three negatives made, to insure successful results. The grouping will be somewhat similar to that used last year, but only the

(Continued on Page Five)

## FRESHMEN WRESTLING

Meet With Huntington School On December 17.

The freshman wrestling team will meet the Huntington School team Friday, December 17, at 4.00 o'clock in Huntington school gym. The team will be picked from the following men: 115lb. class, Davis; 125lb. class, Smith or Patterson; 135lb. class, McMoran; 145lb. class, Ellwell or Kitchen; 158lb. class, Dean or Elwell; 179lb. class, Parker or Root; heavyweight class, Satche or Sullivan. These men are requested to report today and Wednesday at 4.00 o'clock.

Elimination bouts for the second team meet with the Boston Y. M. C. A. will be held today and Wednesday between 5.00 and 6.00 o'clock. This meet is open to all except Varsity men, and anyone wishing to enter may do so by giving his name to Manager Stebbins.

## C. E. SOCIETY TRIP

The Civil Engineering Society will conduct the second of its inspection trips next Thursday, December 16, when the new Institute buildings will be visited. There is no restriction as to the number of men who may go, and all members of the society are welcome to accompany the party. The men will be conducted through the buildings by the engineer in charge, and special attention will be given to the details of the reinforced concrete construction. The party will meet at the office of Stone and Webster on the grounds at 2.00 o'clock Thursday.

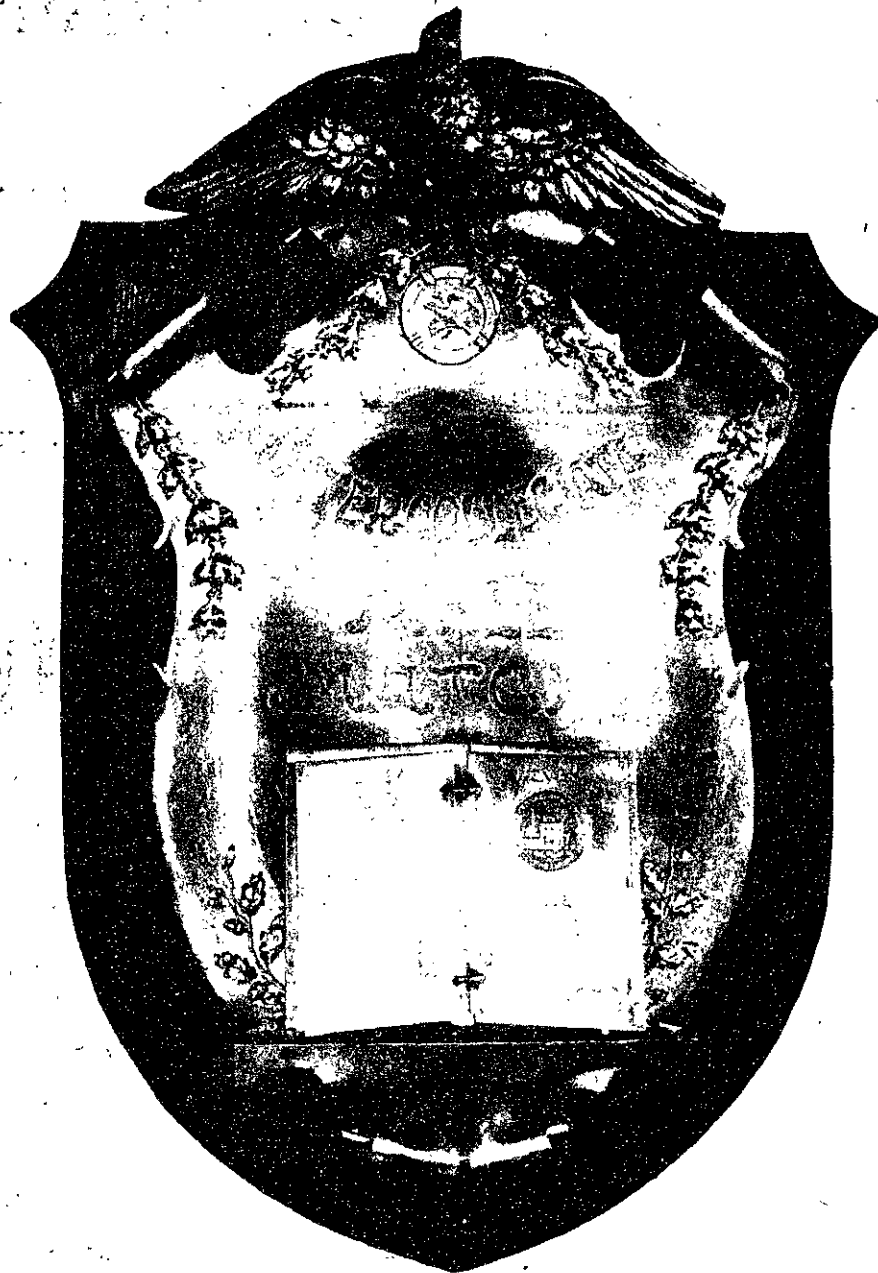
## NEW TROPHY ADDED TO COLLECTION IN UNION

Championship Rifle Team Brings Additional Honor To Technology—Twelve Colleges Defeated—Intercollegiate Record Broken

The Intercollegiate Rifle Championship trophy, won by the M. I. T. Rifle Team, Intercollegiate champions of the United States for 1915, will be added this week to the collection now on display in the Union.

The new trophy stands about two feet high, and is made of burnished copper trimmed with delicately worked silver oak leaves. The whole is mounted on an oak shield, surmounted by a large copper eagle. On the face of the shield appears the inscription, "Intercollegiate Rifle Match," while at the base of the trophy

(Continued on Page Four)



INTERCOLLEGIATE RIFLE CHAMPIONSHIP TROPHY

## E. E. SOCIETY

The Electrical Engineering Society will hold the last meeting of the term on Thursday evening of this week. Professor Kennelly of Harvard will give an illustrated lecture on "The Laying of Submarine Cables."

## CROSS COUNTRY TEAM

At a meeting of the Cross Country Team yesterday, B. F. Dodge and D. H. Parker were nominated for next year's captaincy. The voting will be done by mail, only members of the team having the privilege of casting a ballot.

## WINTER CONCERT AND DANCE FRIDAY NIGHT

Plans Completed For The Event—Large Number Of Tickets Already Sold.

The plans for the Winter Concert of the Combined Musical Clubs to be held in Copley Hall on Friday evening, December 17, have practically been completed. Seats for the entertainment have been selling rapidly and at last reports approximately three hundred and fifty had been sold.

Several of the fraternities are giving house parties in connection with the event and this will lend a congenial atmosphere to the occasion. Among the fraternities who have made reservations are Delta Tau Delta, Chi Phi, Sigma Chi, Phi Beta Epsilon, Phi Kappa Sigma, Phi Sigma Kappa, Kappa Sigma, Delta Upsilon

(Continued on Page Five)

## TECHNIQUE ELECTIONS

Electoral Committee Ballots To Be Out Thursday.

The elections for the Technique 1918 Electoral Committee will be held this week. Holding the elections at this time is a departure from the custom of previous years. Formerly the committee was elected in March. The change will be of great benefit to the new board in that they will have time to become acquainted with the routine work of publishing the book while the old board is still in office.

The ballots will be sent out Thursday and must be returned to the cage on or before December 20. The ballots will contain the names of all the members of the class. Each man is to vote for twenty-five of these. All class dues must be paid in order to vote or hold office.

## TRACK NOTICE

Beginning today track practice will be held at the gym every Monday between 5.00 and 6.00 o'clock, in addition to the regular practice on Tuesdays, Thursdays and Saturdays.

## CALENDAR

Monday, December 13, 1915.

4.00—Elimination Bouts, Second Varsity Wrestling Team, Gym.

5.00—Track Practice, Gym.

5.00—Glee Club Rehearsal, Room B, Union.

Tuesday, December 14, 1915.

1.05—Junior Picture, Rogers Steps.

4.30—Mandolin Club Rehearsal, Room B, Union.

7.45—Summer Camp Reunion, Union.

JUNIOR PICTURE TOMORROW 1:05

# THE TECH

Entered as second-class matter, Sept. 16, 1911 at the postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

Published tri-weekly during the college year by students of the Massachusetts Institute of Technology.

Office 42 Trinity Place.  
Phone—Back Bay 5527 or 2180.  
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### MANAGING BOARD.

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### OFFICE HOURS.

(Daily except Saturday)

General Manager .....5.00 to 6.00 P. M.  
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Managing Editor .....1.15 to 2.00 P. M.  
Advertising Manager ..5.00 to 5.30 P. M.  
Treasurer .....5.00 to 6.00 P. M.

MONDAY, DECEMBER 13, 1915.

### THE STUDENTS' RESPONSIBILITY

Up to now the plans for the New Technology have been entirely thought out and carried into effect by the Faculty and Alumni of the Institute, to those who have watched the progress of the buildings across the river has come a feeling of intense pride in being members of an Institution to which such a splendid achievement is possible. The opportunity for the undergraduates to give substantial expression to this feeling is found in President Farthing's request for communications on the question of dormitory supervision. It is now the undergraduates' turn to do their share in making the New Technology an ideal institution, an institution whose methods will be sought by every American college—a result which can be fully realized only with the thoughtful co-operation of the students with the committee of the Alumni Council.

### CAMPERS' REUNION

Meeting Of 1915 Summer Students Tuesday Night.

A reunion of the men who were at the summer camp at Technology, Maine, will take place at 7.45 o'clock Tuesday evening in the Union. Among the speakers will be Dean Burton and Professors Russell and Breed. There will be present all of the professors who were at the East Machias camp. An excellent program has been arranged by the committee which has the affair in charge, and the events of the evening will be many and varied. "Oh Alice Brown" will be sung by "Bob" Gay, there will be an exhibition of the championship cup with the names of the members of team A engraved upon it, and the badger fight will be reproduced. There will also be a discussion of business details, and a consideration of the plans for the proposed class gift. The committee having this in hand is composed of E. P. Brooks, H. P. Eddy, Jr., and W. M. Augas. After the meeting refreshments will be served.

### COMMUNICATIONS

To the Editor of The Tech:

I am enclosing herewith attached a letter from the Alumni Committee on dormitories. I wish you would publish it and invite communications concerning the government of the dormitories.

The Institute Committee desires to express, as near as possible, the sentiment of the entire student body in its reply to the letter. To do so it is necessary to have the co-operation of the students. Any ideas concerning the government of the dormitories expressed in communications to The Tech or in letters to the Institute Committee will be appreciated.

W. J. FARTHING,  
Pres. Inst. Com.

Nov. 26, 1915.

Mr. W. J. Farthing, Pres.,  
Institute Committee,  
Mass. Institute of Technology,  
Boston, Mass.

Dear Sir:

On the new site a space has been tentatively allotted for dormitories. This space is in the southeastern quarter of the site with a considerable frontage on the Esplanade. It is proposed when the funds may be available to build dormitories to accommodate up to about 1000 students. The Walker Memorial building will occupy a central position on the Esplanade in or near the dormitory section and, aside from being the centre for all student "activities," will provide the "lounge" and perhaps, the dining facilities for those who live in the dormitories.

Through the generosity of friends of the Institute, funds are available for making a start upon the dormitory system and the erection has begun of a building to accommodate about 200 students. It will occupy a space in the very easterly portion of the new site and incidentally serve as a setting to the President's house, which two loyal alumni are presenting to the Institute.

The Institute has never had experience with dormitories and this building just being started raises new problems, which it is desired to solve in a way which will conform to the fundamental policies of the Institute and benefit to the greatest degree the educational and social life of the entire student body.

At a recent meeting of the Alumni Council the undersigned were appointed to investigate certain questions relating to the administration of the dormitories. In this connection the undersigned would like to get the undergraduate's point of view in regard to the matter of dormitory supervision, and would ask the Institute Committee, as the representative of the undergraduates, to define that opinion.

By supervision, we refer to the system of government or discipline and the maintenance of order. In some colleges this is accomplished (a) wholly through a supervisor or proctor in each dormitory, appointed by the college. Such a supervisor is usually an instructor or a post-graduate student. Other institutions leave this supervision (b) entirely

(Continued on Page Six)



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good tobacco, better tobacco,  
an' VELVET. For VELVET is the  
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**HOCKEY TEAM PLAYS SEASON'S FIRST GAME**

**Scoreless Tie The Result Of Encounter With Winchester's All Star Team.**

The first college hockey game of the year was played yesterday by the Technology seven against the strong Winchester Hockey Club at Winchester, the game resulting in a scoreless tie. The contest was only a practice one and was the first time this year that the Technology team had been on the ice. A large number of the candidates for the squad were tried out during the game and Captain Cochrane was thus able to get a line on the material at hand. The Winchester Club is composed of several former college stars, among them being Hunnewell who has played with Williams, Smith, a former Amherst player, and Mason who captained Dartmouth's seven not very long ago.

Although there were not many exhibitions of team play the contest was hard fought throughout. The first half started out with the Technology team playing almost continually around Winchester's goal, yet in spite of this they were not able to shoot the rubber into the net. In the second period the contest was more even and the home team threatened Technology's goal several times, Johnson making eighteen stops in all.

The lineup:  
 M. I. T. Winchester H. C.  
 Johnson, g. g., Nazro  
 Cochrane (Capt.), Swain, p.  
 p., Hunnewell  
 Woodward, c.p. c.p., Smith  
 Tutin C., Thomas, r.w.  
 r.w., R. Goddue  
 Ross, Moody, r.c. r.c., P. Goddue  
 Clark, Watt, l.c. l.c., Mason  
 Wanamaker, l.w. l.w., Hunt, Barr  
 Time—two fifteen minute periods.  
 Referee—D. Shaw.

**CHESS MATCH**

Last Friday evening the chess team met the Bay State Chess Club, the match closing with a score of 2 1-2 to 2 1-2 with one (unfinished) game in a position favorable to Technology.

Friday, December 17, the Harvard team will play at the Union in their first league game with Technology.

**NAVAL ARCHITECTS**

The Naval Architectural Society inspected last Saturday the North German Lloyd liner "Kronprinzessin Cecilie." Through the courtesy of the company, the men were allowed liberty over the entire ship, and all details were carefully explained.

**A Christmas Suggestion**

**How About a Good Fountain Pen?**

**See Eddie at the Cage about his Special Offer**

**ARCHITECTS' SMOKER HELD FRIDAY EVENING**

**Mr. C. A. Coolidge Addresses The Society On "University Architecture."**

An interesting and universally enjoyed talk was given by Mr. Charles A. Coolidge to the members of the Architectural Society at their second regular smoker held last Friday evening. The subject was "University Architecture."

Mr. Coolidge was a special student in Architecture at the Institute in 1882. After leaving, he continued his studies abroad. He said that his European travels had taught him one fundamental principle and that was the matter of scale. Proportion is secondary to scale. Failure to realize this is inherent in most students, including those who come from Technology and the Beaux Arts.

Mr. Coolidge told about the designing of the Leland Stanford buildings, which was one of his first commissions. In this connection he told some interesting anecdotes which illustrated the practical side of architecture. He touched upon other public buildings, thus not adhering closely to his subject, but as he, himself, said, speaking on those topics which he thought would most interest the men. In closing, Mr. Coolidge said that the aim of every architect should be to give his best to the people, and not always think of the remunerative side of the work.

About sixty men were present. After the talk refreshments were served.

**COSMOPOLITAN CLUB**

**Club Members Hear Talks On German Universities.**

Last Friday the Cosmopolitan Club held a smoker and meeting in the Union. The speakers secured, all members of the Institute faculty, were Professors W. T. Hall, L. H. Johnson and F. J. Moore, their topics comprising some varied phases of student life in German universities. Professor Moore took post-graduate work at the University of Heidelberg, and Professor Johnson is a graduate of the University of Zurich, Switzerland.

In the course of business transacted, R. Alfaro and S. S. Kwan were elected to represent the club at the National Convention of Cosmopolitan Clubs. Eight American members were elected to the society.

The announcement was also made that "Chinese Night" will be given Friday, January 7, 1916.

**POSITION OPEN**

Secretary and assistant to metallurgical engineer wanted; young man 18-24, unmarried, good address, prepared to travel considerably; fair knowledge of stenography required; and chemical, metallurgical or mechanical experience of value; reply in handwriting giving experience, position; can use only hard worker; capable advancement, American. Address reply to Advertising Mgr., The Tech.

**ALTHOUGH**

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 The Committee In Charge  
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### MINING SOCIETY HOLDS MEETING

#### Mr. George A. Packard Believes Present Mining Laws Are Inadequate.

Thirty-two members of the Mining Engineering Society attended a smoker given at the Hotel Westminster last Friday evening.

The first speaker was Mr. W. Spencer Hutchinson, '92, whose subject was "Mine Examinations." He said the engineer sent out to examine a mine should first make an extremely careful survey in order that in locating the boundaries he may include just that portion which contains the valuable ore and exclude the part in which the ores that are of little value are found.


Mr. George A. Packard, '90, in speaking on "The Revision of the United States Mineral Land Laws," stated that the existing laws are very inadequate. The fact that the laws which are now in force in the United States have been tried and discarded by many countries in Europe and elsewhere and that twenty-six millions of dollars have needlessly been spent in court in the endeavor to decide mining controversies ought to prove conclusively that a complete and radical revision is necessary.

## Do You Bowl?

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count at the

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### RIFLE CLUB (Continued from Page One)

phy a stand bears a book made of copper plates upon which are engraved the seals of the previous winners of the annual match, with the names of the members of each winning team, their respective scores and the year and place at which success crowned their efforts.

Previous holders of the plaque include Princeton, George Washington University, Massachusetts Aggies, and Harvard. George Washington University has held it three times, and Massachusetts Aggies four times. The trophy will eventually become the property of the institution winning it the most number of times in sixteen years. Each winner holds it for one year.

The 1915 match was shot off by the Technology team at the Wakefield Ranges last May, but owing to a mixup of targets at the Naval Academy, the results were not announced until November 1. The final scores gave the M. I. T. team first place by a margin of eight points, its nearest competitor being Mass. Aggies. The Technology score, 838 out of a possible 1000, is also eleven points higher than the previous intercollegiate record.

Thirteen colleges in all took part in the contest. In order of standing they include M. I. T., Mass. Aggies, Norwich University, University of Illinois, U. S. Naval Academy, George Washington University, Kansas State, Cornell, U. of P., Arizona, A. and N. College of Texas, Oklahoma Aggies, and Michigan.

The championship team was composed of the following men: C. T. Dunn '15 (Captain), G. G. Haslam '15, T. D. Parsons '15, M. F. Brandt '15, J. S. Stewart '17, and F. L. Butterworth '17. Stewart recently won the individual championship of the United States at the Florida matches. Each of these men were presented with silver medals by the N. R. A. as a reward for their excellence in rifle shooting. These medals are now on exhibition in the Union.

Only Dunn and Haslam have been lost to the team, as Brandt and Parsons, who are back for Post Graduate work, are eligible for the team. New material of sufficient calibre has been discovered by Captain Brandt to incline him to the belief that Technology will be able to hold the trophy for more than the present year.

The success of the team has so increased interest in rifle shooting at the Institute that the Rifle Club has grown to a membership of one hundred and fifty-two men.

### GYM TEAM NOTICE

All candidates for the Gym Team are requested to report regularly from now on, as the meet with Brown comes shortly after vacation.

On January 15 the team will meet Brown, and on March 3 it will compete with Dartmouth and Harvard in a triangular meet. There are also four meets pending with Boston Y. M. C. A. sometime in January, and with Andover, Amherst and Worcester Academy in February.

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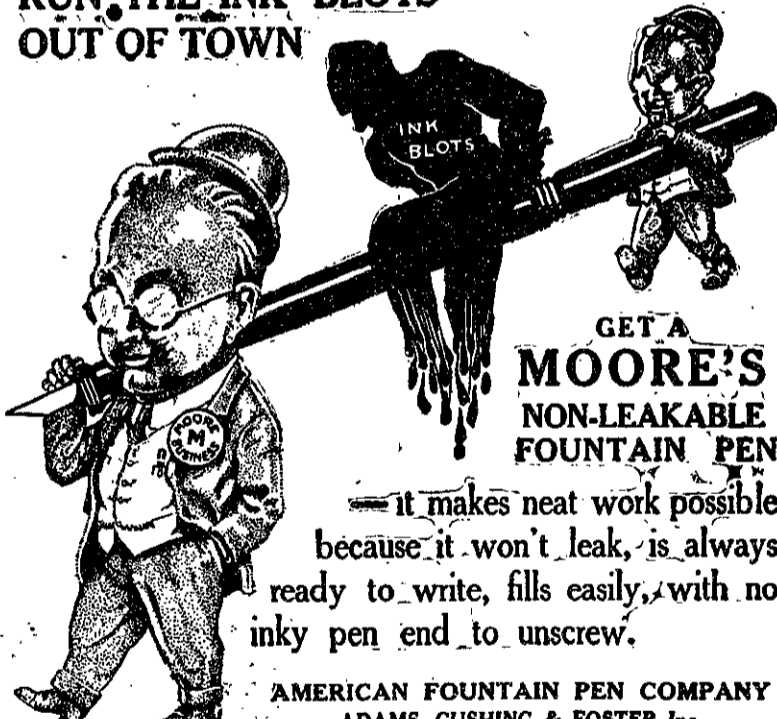
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Near Colonial Theatre



**WINTER CONCERT**  
(Continued from Page One)

lon, Theta Chi, Delta Kappa Epsilon, Beta Theta Pi, Theta Delta Chi, and Lambda Chi Alpha. The contract for the catering has been let to Maddalena as usual, while the music will be furnished by Poole's Orchestra. This last is a slight change from earlier plans.

The program will include several very enjoyable features as well as the regular numbers by the Glee, Mandolin and Banjo Clubs. Among the features will be a tenor solo by a well known Tech man, The Glee Club Quartet will sing "The Catastrophe" and the Mandolin Sextette will present "The Kentucky Wedding Knot."

**JUNIOR PICTURE**  
(Continued from Page One)

class officers will be seated. In order to eliminate the necessity of cutting a banner in two in the published photograph, a new scheme of mineral arrangement has been devised, and will be carried out.

**WIRELESS CLUB**

**Members See Distinctive Features Of Chelsea Plant.**

About seventeen members of the Wireless Society made the trip last Saturday to the new Radio Station at Chelsea.

The station is one of fifteen or twenty which the navy department intends to construct all over the United States and possessions so that complete intercommunication between the naval vessels can be carried on in all parts of the globe. The antenna is supported by two steel towers each about three hundred and twenty feet in height. For sending, two distinct sets are used.

The equipment of the small set consists of a five-kilowatt transformer, quenched spark inductances and condensers. The large set does away with the spark and uses in its place a magnetic blowout arc. The sending is done by means of a short circuiting inductance. This large set has been used to talk successfully with San Francisco.

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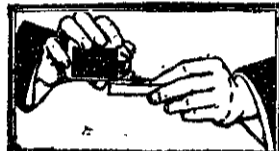
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**"WHEN IN NEED OF TRUST  
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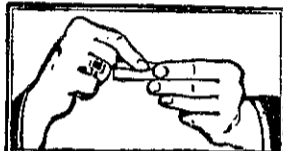
A SINGLE BANK WITH THREE OFFICES  
IN DIFFERENT SECTIONS OF BOSTON

**Old Colony Trust  
Company**

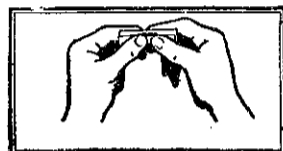
17 COURT STREET  
52 TEMPLE PLACE 222 BOYLSTON STREET



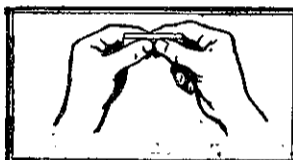
1. In the fingers of the left hand, hold paper, curved to receive tobacco, poured with the right hand.



2. Spread the tobacco the length of the paper, making it slightly hollow in the centre.



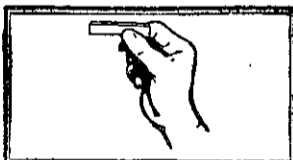
3. Then place your two thumbs next to each other in the middle of the paper in this position.



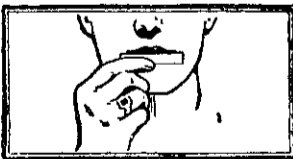
4. Roll cigarette on lower fingers, index fingers moving up. With thumbs gently force edge of paper over the tobacco.



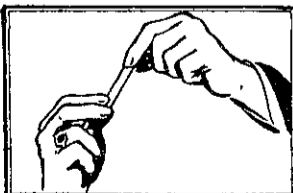
5. Shape the cigarette by rolling it with the thumbs as you draw them apart.



6. Hold the cigarette in your right hand, with edge of paper slightly projecting, and—



7. With the tip of your tongue moisten the projecting edge of the paper.



8. Close ends of cigarette by twisting the paper. The cigarette is now ready to smoke.

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It's a simple, easy process. You can do it with your eyes shut after a little practice. And what a joy is the fresh, fragrant cigarette of "Bull" Durham rolled by your own hand to your own liking! You "roll your own" with "Bull" and note the difference.

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"Bull" Durham, made of "bright" Virginia-North Carolina leaf, has a mellow-sweetness that is unique and an aroma that is unusually pleasing.



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**COMMUNICATION**  
(Continued from Page Two)

to a committee of student dormitory inmates,—this committee reporting directly to the Dean or other similar officer of the college. Between these two systems there is a wide range of methods,—(c) combinations or modifications of these two forms.

The undersigned alumni would consider it a favor if you would put the question as to which of the three general methods of supervision (a, b or c) described above would bring the mutually best results in the administration of the proposed new dormitories. The question has already been put before the graduate students of the Institute. The purpose of this letter is to get an opinion that will reflect the point of view of those students at the Institute who have not attended other colleges.

A. F. BEMIS, '93, Chm.,  
LAWRENCE ALLEN, '07,  
M. B. DALTON, '15.

To the Editor of The Tech:

At the next meeting of the Institute Committee the question of changing the time of holding class elections from October to May, is to be voted upon, and the result will be largely determined by the trend of opinion shown by the student body. At the meeting last Thursday the proposal was brought up, and the Committee decided to defer action until the next regular meeting, in the meantime attempting to find out what the sentiment is in regard to the matter.

Under the present system both the Institute Committee and the Athletic Association are greatly handicapped by the confusion that exists for nearly half the first term. During October the old officers do practically nothing but hold down their positions until their successors come in to take up the work. Then when the new officers come in it takes another month to get started. Here are the best two months in the year, when everybody is fresh from the summer vacation, absolutely thrown away, not to mention the four months during the summer which could also have been efficiently employed.

The situation next year, with the Institute across the Charles, will present many new problems with which the Institute Committee will have to deal. In order to meet the conditions the Committee must be in a position to take up its work without the delay occasioned by the change of officers so late in the first term.

JAMES P. UHLINGER, '16.

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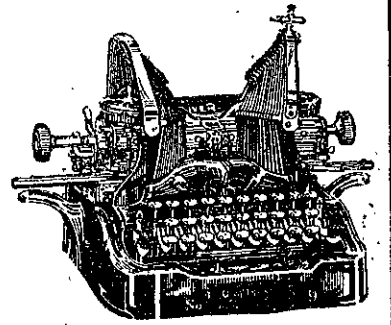
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