

# THE TECH

VOL. XXXV. NO. 81

BOSTON, MASS., FRIDAY, MARCH 17, 1916

PRICE THREE CENTS



## FIVE DOLLARS CASH! WHAT IS THE TITLE?

One point was not made clear in the announcement of the Cash Prize contest, made in Wednesday's issue of The Tech. One contestant may send in as many titles as he wishes, but each of his entries must be written on a separate piece of paper, and each must also bear his name, course, year, and address.

The conditions of the contest are repeated here.

For the best title to this picture, not over twenty words in length, and suitable for use as the undergraduate slogan for the Fiftieth Anniversary Dedication Reunion, the Reunion Committee will give a five-dollar cash prize.

One contestant may send as many titles as he wishes.

Each title must be written on a sheet of paper about 8x11 inches in size, with the name, course, year, and address of the contestant.

All entries must be received at the "Cage" before midnight Tuesday, March 21st.

Address the Reunion Prize Committee, 42 Trinity Place.

## CREW PRACTICE

### Technology Oarsmen Have First Real Workout

Thursday afternoon at 4.30 o'clock, Technology crew candidates held their first practice of the year in the B. A. A. Boat House. At the Boat Club meeting which was held last Wednesday there were a great many rowing enthusiasts in attendance, but only ten of this number showed up at the practice. Only a light workout was given Thursday; the old men limbering up in the rowing machines, while the new men were given instructions during the hour.

Manager P. M. Dinkins '18 is planning to have the crew figure in the (Continued on Page Three)

## SOPHOMORE BASEBALL

All candidates for the Sophomore baseball team are requested by the manager to report at the gym with gloves at 1 p. m. today. From now on there will be daily practice at that time, the first game being but three weeks off.

## FRESHMAN BASEBALL

There will be a meeting of the freshman baseball team at the Garrison Street gym at 1.20 o'clock today. Manager Denison wants all candidates to report for a short preliminary workout.

## INSTITUTE COMMITTEE HOLDS DISCUSSION

### Advisability Of Adopting Honor System At Technology Is Questioned

A meeting of the Institute Committee which all Technology men were invited to attend was held yesterday for the purpose of discussing the advisability of adopting the Honor System at the Institute. Considerable discussion arose as to whether the committee should first recommend the system and then refer the consideration of its adoption to the student body, or whether to first ascertain by vote cast by the entire college whether the Institute as a whole favored the system. It was finally decided that the best way would be for the committee to first decide within its members whether the system could be favorably adopted and then to put the matter before the Institute as a whole.

Allen Abrams '17, who was on the committee which offered suggestions for the rules under which the Honor System should be managed, said that 123 colleges of the United States have already adopted the system and have found it advantageous in regulating student government. Of these Carnegie Institute of Technology, Stevens Polytechnic Institute, Lehigh University, Columbia, Cornell, Yale, and Williams colleges are the best known in this part of the country. He further stated that a system under which a student was compelled by honor to refrain from giving or receiving help during an examination and to give information about anyone who did give or receive aid, would be a great factor in developing the character of the students.

Abrams further stated that two members of the faculty who wish to have their names withheld have said that if sufficient interest is shown by the undergraduate body the faculty will give the matter due consideration. The adoption of an Honor System was (Continued on Page Four)

## COSMOPOLITAN CLUB

### Professor Hosmer Speaks On Sumatra Expedition

An illustrated travelogue was given before the Cosmopolitan Club last Wednesday by Professor G. L. Hosmer. Professor Hosmer's subject was the M. I. T. Solar Eclipse Expedition, which was sent to Sumatra by the Institute in 1901. The talk was illustrated by lantern slides taken at Sumatra and other points along the route of the expedition. The slides shown during the travelogue were extremely interesting, especially some very remarkable pictures obtained of the sun. During the business meeting which preceded the talk plans concerning the next National Night were announced. This event is to be held on Friday, April 21st, and will be given by the Spanish American Delegation.

## PRESIDENT TO SPEAK

Sunday evening, there will be a meeting of the Mt. Vernon Young People's Society, at the Mt. Vernon Church, 6 Massachusetts Ave., Boston end of Harvard Bridge. President MacLaurin will speak at the meeting, which will be at 6.30. This meeting will be preceded by a social hour, beginning at six. The Society has invited all members of the Institute.

## MUSICAL CLUBS

Men taking the trip to Somerville should leave Copley Square (in front of the Library) on a car marked "Clarendon Hill" not later than 7.15. Get off car at Central street, Somerville. Concert is in Central Club Hall, corner of Central street and car line, and must begin at 8.00 as it is followed by a supper and dance.

## GEOLOGY PARTY WILL OPERATE IN COLORADO

### Professor Atwood Of Harvard To Conduct Summer Trip In The West

Professor Atwood of Harvard University will conduct a course in field geology next summer which will be open to Institute men. This course will last for eight weeks, from July 10 to September 2, and will be in the San Juan mountains of southwestern Colorado. The party will make a geological map of the region and will determine the underground structure. The last twelve days of the season will be spent in a pack train trip through the mountains along a route on which may be seen rocks of all ages, from Pre-Cambrian to Recent. Only an elementary knowledge of geology is required as preparation, such as is (Continued on Page Three)

## SOPHOMORE BANQUET

### 1918 Plans To Break Record At Annual Dinner

The Class of 1918 is planning a record-breaking dinner for Thursday, March 30th. The affair is expected to be unique, both in numbers of attendance and in the entertainment which is to be provided. A new method of attack in bringing the banquet to the attention of the class is being used, in the form of individual postals sent to each member, which are worded in accord with the progressive spirit in which the function is being arranged. Members of the committee, when interviewed, were reticent in regard to the complete program being planned for, as there are some interesting features which are planned as a surprise. One part which has been made public, however, is the colored cabaret, said to be the best in town, which will fill in the spaces between the more substantial parts of the program. The list of speakers, which is said to contain some prominent names, will be published later. The committee state that they are confident of surpassing the attendance record set by the freshman dinner of recent date. Tickets are 75 cents and may be had at the Cage, or from any member of the committee, which consists of the following men: J. T. Leonard, O. D. Burton, J. W. Clarkson, and T. M. Dinkins.

## BOWLERS SCORE HIGH

The Technology Bowling Team has worked up to second place in the Copley Square League, and is now, with five more weeks to play, only six points behind Dartmouth, which leads with a score of 27. Not only is the Team well up toward the head of the procession, but also Technology leads for individual point winners. Pung, Yeh and Robinson, all of Technology, being the three highest scorers in the league. The Team feels confident that it will overhaul Dartmouth and come out a winner.

## CHEM SOCIETY

This evening at 8.30, the Chemical Society will hold its last joint meeting of the season with the Harvard Chemical Society, at the Harvard Union. Dr. Noyes of Technology and Dr. Richards of Harvard will be the speakers. A special Technology car will leave for Cambridge from Copley Square at 7.30 sharp.

## M. I. T. FORUM

John Spargo, the noted authority on Socialism, will deliver a talk on "Preparedness," under the auspices of the M. I. T. Forum, at the Union, next Tuesday at 1.30 p. m. The members of the faculty as well as undergraduates have been invited to attend.

## EXPLOSIVES DISCUSSED AT MINING SOCIETY

### C. S. Hurter Of Hercules Powder Company Addresses Members

At the meeting of the Mining Society, held last evening in the Union, Mr. C. S. Hurter, '98, representing the Hercules Powder Co., gave a comprehensive talk on explosives and their treatment.

Mr. Hurter's remarks covered the various kinds of high-power explosive mixtures, and then he dealt with caps and primers and the various accepted forms of detonators. Beginning with dynamite, Mr. Hurter stated that there are three forms of this substance, the "straight," the ammonia and the gelatinous dynamite. The first of these forms a standard of comparison for all grades, and the others are by means of various admixtures, brought up to a strength equal to it. For rendering purposes, speed is as requisite as strength, and these three types are made to cover the needs of differing kinds of work requiring different speeds of explosion. The first, or straight, dynamite is also the quickest of the three, and is employed in tight places where a shattering force is required. The second kind, containing a certain amount of ammonia, is the "safest," relatively speaking. The third kind of dynamite has as a base a jelly of one of (Continued on Page Two)

## SHOW REHEARSALS

### New Method Adopted To Increase The Efficiency

Commencing this week a new method of conducting rehearsals will be adopted by the directors of the Show. Rehearsals of certain scenes will be called at 4.00 o'clock in the afternoon, and all men who are free after that hour, and have a part in one of the scenes, will be required to report immediately to Coach Hume, in order that the men who arrive at 5.00 o'clock may not have to wait for the rehearsal of their scenes.

This afternoon the chorus will rehearse in the Union Dining Room at 5.00 o'clock, and those men in the cast who have singing parts will rehearse in the Union, Room B.

The ballet will rehearse in the Union Dining Room, Saturday afternoon at 2.00 o'clock.

## CORRECTION

Owing to a misunderstanding, in the last issue of The Tech, the name of Bachrach, Photographers, which should have been inserted, was not printed in connection with the picture of the Junior Prom Committee.

## CALENDAR

Friday, March 17, 1916.

- 1.00--Sophomore Baseball Practice, Gym.
  - 1.05--News Meeting, Lower Office.
  - 1.20--Freshman Baseball Meeting, Gym.
  - 4.00--Mandolin Club Rehearsal, Union B.
  - 4.30--Crew Practice, B. A. A. Boat House.
  - 5.00--Show Chorus Rehearsal, Union Dining Room.
  - 5.00--Singing parts of Cast, Union B.
  - 7.30--Special Car for Chemical Society Leaves Copley Square.
- Saturday, March 18, 1916.
- 1.25--Swimming Team Leaves Trinity Place for Middletown.
  - 2.00--Show Ballet Rehearsal, Union Dining Room.
  - 2.00--Crew Practice, B. A. A. Boat House.

Sunday, March 19, 1916.

- 9.00 A. M.--Photo of Chorus, Cast and Ballet, Otto Sarony's Studio, 140 Tremont Street.
- 11.00 A. M.--Show Management Photo, Otto Sarony's Studio, 140 Tremont Street.

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E. F. Hewins, '16 ..... Editor-in-Chief  
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Treasurer ..... 5.00 to 6.00 P. M.

FRIDAY, MARCH 17, 1916

The scarcity of candidates at crew practice showed a surprising lack of initiative and keenness in grasping opportunities, particularly among the men in the lower classes. While up to this time crew has not played a major part in Institute athletics, it takes but half an eye to see that at the new Institute it will probably become the most spectacular branch of our sports. Members of the crew will find themselves suddenly thrust into prominence, for while Technology men will not go out of their way to attend the various athletic meets here, with so fascinating a spectacle as crew practice going on under their very noses, it is not difficult to imagine the esplanade lined with newly awakened enthusiasts who will daily discuss the possibilities of Jones, the stroke oar, as Editor-in-Chief of Technique, or of Brown, the captain, as Senior Class President. The wise and ambitious underclassman will not wait until next week, but will apply to Manager Dinkins for a job this afternoon.

After an hour and a quarter of discussion in which perhaps half a dozen people took part, the Institute Committee decided to adjourn and discuss the question of an honor system at a later meeting. The present status of the establishment of such a system is that the Faculty will in all likelihood accept it, provided enough favorable sentiment among the undergraduates is shown. Theorizing as to whether the students want it badly enough to make it a success seems a waste of time. That one hundred and twenty-three American colleges have today an honor system is eminent testimony of its probable practicability at an institution that enjoys the reputation of having one of the best self-governing student bodies in the country. Strange, indeed, that we should have been so long in adopting one of the most important functions of student government! Probably nine-tenths of the Institute Committee are willing to admit that a successfully operated honor system would be an excellent thing for the Institute, and if such is the case, it is clearly their duty to throw heart and soul into so shaping undergraduate opinion that an honor system at Technology will be made possible. There are enough public spirited men here to promote the interests of an honor system with all the vim of which Technology men are capable, and if they are allowed to do their utmost in convincing the students and Faculty of the need of such a system, and succeed, it will mean much for the future of the Institute; if they fail, they have convinced themselves that Technology does not want an honor system. Why not give those who are anxious to do something for the public good the opportunity? They will be almost equally glad of success or failure.

We again respectfully call attention to the fact that the Institute is liable to have a suit on its hands unless something is done about removing the ice from the steps of Engineering A and from the caves of the buildings along Trinity Place.

## COMMUNICATION

To the Editor of The Tech:

It seems only fair to the men to whom the Union is the one place to which they can go during the noon hour to allow them to enjoy it unmolested. If the M. I. T. Forum feels it indispensable that we should be treated at regular intervals with speeches of frankly Socialistic character, an effort should first be made to determine whether the men using the Union wish to hear the speaker there.

It is true that the T. C. A. avails itself of the opportunity of having a speaker address the men there once each week. This, however, has come to be an established institution, with which few appear to be dissatisfied; and the T. C. A. speakers have the recommendation, nearly all of them, of being able men, of acknowledged standing in their respective communities, who have done something that entitles them to a hearing. That this is true of the Forum speakers I fail to see; the addresses which I have heard have been, admittedly, propaganda, and rather persuasive than argumentative in their nature. If the last speaker had been aware of the distress he was causing simply in the corner of the room which happened to be under my observation, I am sure he would have felt sorry he was there.

Permit me to suggest that the M. I. T. Forum post an advance notice when next it desires the use of the Union at noon, and that unless a certain number of genuine signatures are affixed thereto, intimating a desire to hear the speaker in the Union, the talk should take place in some other locality, such as Huntington Hall.

By the way, what has the M. I. T. Forum ever done to show that it should not be called The Society for the Study of Socialism?

H. M. G.

## EXPLOSIVES DISCUSSED

(Continued from Page One)

the lower nitrates of cotton dissolved in nitroglycerin. This type produces the least fumes, is practically waterproof, and is the slowest of all the three kinds. Through a certain variation of percent of nitroglycerin its detonation force is practically the same, but a mixture of 92% gun cotton produces the strongest explosive known.

Among the lower grades of dynamite, 15% nitroglycerin is the lowest put on the market. It is made, however, as low as 12 1-2%. The lowest ammonia dynamite contains 20%, and the gelatin, 35% nitroglycerin. Speaking of detonators, Mr. Hurter said that pure fulminate of mercury is not the best, but that the addition of some chlorate increases its effectiveness considerably.

A remark concerning the war revealed the fact that the conflict has been troublesome to the powder industry in that there is a great shortage of nitroglycerin. With few exceptions, practically the only dynamite now used is the ammonia type.

After his talk Mr. Hurter answered numerous questions on different aspects of his subject, describing in detail the process of manufacturing dynamite as it is carried out in the California plant of the Hercules Powder Co.

## SOUTH AMERICAN JOBS

C. E. Atwood Of Westinghouse Co. Speaks Thursday

Mr. C. E. Atwood, '05, who since his graduation has been in South America, and who at present is exporting agent for the Westinghouse Company, is to speak, under the auspices of the T. C. A., in the Union next Thursday on "Jobs in South America." Mr. Atwood has been in charge of installation work for companies in the nitrate region of Chili, and possesses an intimate knowledge of the technology of this product, as well as a direct acquaintance with engineering conditions generally in that extensive land. He will first discuss the work he has been in, and then tell of the methods of applying for jobs in South America. This lecture initiates a series of four dealing with engineering conditions in foreign countries. The succeeding ones will treat of Central America, China, and the near East.



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**DR. GIFFORD DESCRIBES THE GREAT ADVENTURE**

**Prominent Brookline Divine In The Union Yesterday At Noon**

The regular weekly T. C. A. talk held yesterday in the Union was given by Dr. O. P. Gifford of the Brookline Baptist Church before a large number of students. The speaker took for his subject, "The Great Adventure," and, as has been the case in his other talks in the Union, he held the attention of his audience to the close.

Dr. Gifford said that there were two great adventures, one of life and the other of death. "No man has ever charted the sea of eternity and none has ever found a laboratory where the soul could be analyzed. The soul is the most complex of things that man has to deal with. It may sometimes be run by an ancestor, other times by one's mother or father.

"It is a great adventure to find oneself. The surroundings of a person do not create character but influence it tremendously." Moses and Lord Shaftsbury were mentioned as typical examples of those whose characters have been influenced by their environment. "It is a constant fight for a man to get control of himself. The adventure of life leads only to the adventure of death. Remember—Death does not change character. Sleep does not change character—it refreshes it."

**CREW PRACTISE**  
(Continued from Page One)

big Reunion week festivities. It is very probable that a Class Day Regatta will be held at this time. The crew may also take part in the Harvard Class Day Regatta, which will be held sometime in May. There is also a race pending with Exeter Academy.

Practice will be held at the B. A. A. Boat House every day this week at 4:30 o'clock and Saturday at 2:00 o'clock. All the preliminary work will be at the rowing machines, but as soon as the ice goes Coach Stevens will have the men out on the river. Manager Dinkins has issued another call for candidates. All those interested can gain further particulars by calling at the B. A. A. Boat House between 4 and 5 o'clock any day this week.

**GEOLOGY PARTY**  
(Continued from Page One)

given here in Dynamical Geology or General Geology. Professor Lahee states that the course would be of much value to the men in Courses I, II, XI, XII, and to any students whose future work is apt to demand some understanding of earth structures and geological maps.

The total expense of the trip will be \$340. This includes travel out and return, life in camp for the eight weeks, saddle horses for the pack train excursion, tuition fee, and personal outfit. Men who complete the work satisfactorily and who pass an examination will receive credit for a full year course at Harvard. For further information students consult Professor F. H. Lahee, Room 14, Pierce Building, as soon as possible.

**MIDDLETOWN SWIM**

**Final Meet To Be With Wesleyan University On Saturday**

The Swimming Team will on Saturday evening compete with Wesleyan University at Middletown in the last, and what is expected to be the most spectacular meet of the season. Tech has so far met with not a single defeat, Wesleyan with very few. Both teams have met and defeated Brown, the scores being almost identical.

The following men will meet at Trinity Place Station at 1:25 Saturday afternoon to make the trip: Root, Gay, Foster, Untersee, Wales, Bolan, Pierce, Wood.

**Dress Suits, Tuxedos and Top Hats**  
**May be Rented at a DISCOUNT**  
Leave note at Cage for "Evening Clothes"

**MEXICAN CLIPPINGS AND OTHER COMMENT**

The following are a few of the interesting comments and press clippings concerning March 24th, which have come to the attention of the Editor:

"Columbus, N. M.—General Francisco Villa is reported to have eluded the Boy Scouts of America punitive expedition, and at the present time is believed to be headed for Boston, an important town north of New York. He said that he would spare neither man nor beast in his effort to reach Boston by March 24th. When asked the reason for his trip he replied, 'I wish to get the greatest possible number of the Gringos all at once, and have a regular torch-light affair. March the 24th is their "Night of Big Events" and my way is clear.'"

"Dear Mr. Editor of The Tech,  
"What is it that they are doing—changing Saint Patrick's Day to March 24th. We protest.  
"Yours for business,  
"ABRAHAM LEVI."

The following was very kindly turned over to The Tech by the manager of one of Boston's gayest theatres:

"Dear Sir:  
"Kindly find enclosed three dollars, for which you will reserve a box for myself and party for March 24th.  
"Very truly yours,  
"H. H. WALTER."  
"P. S.—I have changed my mind, as there is to be something big up at Technology that night, so you needn't reserve the box. Kindly refund cash.  
"H. H. W."

Heard in the Union—"That's the darnedest fool stunt I ever heard of, advertising something in foreign languages. All I could get out of it was that something was to happen March 24th. I wonder what it is."

Heard in a fraternity house—"I have been here for three summers and four winters, and they have never pulled off anything original yet. What is this March 24th stuff anyhow?"

**ENGINEER CORPS**

**Dr. Prince Discusses England's Need Of Organization**

At a meeting of the Engineer Corps held yesterday afternoon, Dr. Morton Prince, who has had charge of the American medical unit in France, spoke about England's lack of preparedness at the beginning of the present war. He said that all the work of organization came automatically with the declaration of the war and if it had not been for her supremacy on the seas, she would never have been able to accomplish so much as she has.

England's greatest problems were the mobilization of 3,000,000 men, the building up of munition factories and obtaining skilled laymen to manufacture ammunition, accumulation of transport wagons and ambulances, and the organization of hospital service corps and the establishment of hospitals.

The hospital service in time of war must be particularly efficient for the net loss of an army during one month is 6 percent or 72 percent a year. In other words, out of an army of a million men, only 28,000 would be effective at the end of a year. At the last drive of Loos, 6000 casualties occurred of which 4000 were wounded and had to be taken care of immediately.

Dr. Prince, in closing, said that America ought to take England's example to heart and build up a navy which would be superior to that of any other nation so that we might render the enemy's ships helpless immediately after the declaration of war with a foreign power.

About three hundred professors, students, and instructors were present at the meeting.

**FACULTY NOTICE**

The exercise in Perspective for the first year students in Architecture has been charged back to the Tabular View assignment to Thursday 9:00 to 11:00. Students will meet Professor Lawrence in Room 42 of Pierce Building. The proposed Monday hour will be omitted.

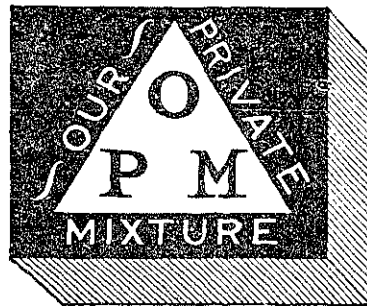


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The scarcity of candidates at crew practice showed a surprising lack of initiative and keenness in grasping opportunities, particularly among the men in the lower classes. While up to this time crew has not played a major part in Institute athletics, it takes but half an eye to see that at the new Institute it will probably become the most spectacular branch of our sports. Members of the crew will find themselves suddenly thrust into prominence, for while Technology men will not go out of their way to attend the various athletic meets here, with so fascinating a spectacle as crew practice going on under their very noses, it is not difficult to imagine the esplanade lined with newly awakened enthusiasts who will daily discuss the possibilities of Jones, the stroke oar, as Editor-in-Chief of Technique, or of Brown, the captain, as Senior Class President. The wise and ambitious underclassman will not wait until next week, but will apply to Manager Dinkins for a job (this afternoon).

After an hour and a quarter of discussion in which perhaps half a dozen people took part, the Institute Committee decided to adjourn and discuss the question of an honor system at a later meeting. The present status of the establishment of such a system is that the Faculty will in all likelihood accept it, provided enough favorable sentiment among the undergraduates is shown. Theorizing as to whether the students want it badly enough to make it a success seems a waste of time. That one hundred and twenty-three American colleges have today an honor system is eminent testimony of its probable practicability at an institution that enjoys the reputation of having one of the best self-governing student bodies in the country. Strange, indeed, that we should have been so long in adopting one of the most important functions of student government! Probably nine-tenths of the Institute Committee are willing to admit that a successfully operated honor system would be an excellent thing for the Institute, and if such is the case, it is clearly their duty to throw heart and soul into so shaping undergraduate opinion that an honor system at Technology will be made possible. There are enough public spirited men here to promote the interests of an honor system with all the vim of which Technology men are capable, and if they are allowed to do their utmost in convincing the students and Faculty of the need of such a system, and succeed, it will mean much for the future of the Institute; if they fail, they have convinced themselves that Technology does not want an honor system. Why not give those who are anxious to do something for the public good the opportunity? They will be almost equally glad of success or failure.

We again respectfully call attention to the fact that the Institute is liable to have a suit on its hands unless something is done about removing the ice from the steps of Engineering A and from the eaves of the buildings along Trinity Place.

## COMMUNICATION

To the Editor of The Tech:

It seems only fair to the men to whom the Union is the one place to which they can go during the noon hour to allow them to enjoy it unmolested. If the M. I. T. Forum feels it indispensable that we should be treated at regular intervals with speeches of frankly Socialistic character, an effort should first be made to determine whether the men using the Union wish to hear the speaker there.

It is true that the T. C. A. avails itself of the opportunity of having a speaker address the men there once each week. This, however, has come to be an established institution, with which few appear to be dissatisfied; and the T. C. A. speakers have the recommendation, nearly all of them, of being able men, of acknowledged standing in their respective communities, who have done something that entitles them to a hearing. That this is true of the Forum speakers I fail to see; the addresses which I have heard have been, admittedly, propaganda, and rather persuasive than argumentative in their nature. If the last speaker had been aware of the distress he was causing simply in the corner of the room which happened to be under my observation, I am sure he would have felt sorry he was there.

Permit me to suggest that the M. I. T. Forum post an advance notice when next it desires the use of the Union at noon, and that unless a certain number of genuine signatures are affixed thereto, intimating a desire to hear the speaker in the Union, the talk should take place in some other locality, such as Huntington Hall.

By the way, what has the M. I. T. Forum ever done to show that it should not be called The Society for the Study of Socialism?

H. M. G.

## EXPLOSIVES DISCUSSED

(Continued from Page One)

the lower nitrates of cotton dissolved in nitroglycerin. This type produces the least fumes, is practically waterproof, and is the slowest of all the three kinds. Through a certain variation of percent of nitroglycerin its detonation force is practically the same, but a mixture of 92% gun cotton produces the strongest explosive known.

Among the lower grades of dynamite, 15% nitroglycerin is the lowest put on the market. It is made, however, as low as 12 1-2%. The lowest ammonia dynamite contains 20%, and the gelatin, 35% nitroglycerin. Speaking of detonators, Mr. Hurter said that pure fulminate of mercury is not the best, but that the addition of some chlorate increases its effectiveness considerably.

A remark concerning the war revealed the fact that the conflict has been troublesome to the powder industry in that there is a great shortage of nitroglycerin. With few exceptions, practically the only dynamite now used is the ammonia type.

After his talk Mr. Hurter answered numerous questions on different aspects of his subject, describing in detail the process of manufacturing dynamite as it is carried out in the California plant of the Hercules Powder Co.

## SOUTH AMERICAN JOBS

C. E. Atwood Of Westinghouse Co. Speaks Thursday

Mr. C. E. Atwood, '05, who since his graduation has been in South America, and who at present is exporting agent for the Westinghouse Company, is to speak, under the auspices of the T. C. A., in the Union next Thursday on "Jobs in South America." Mr. Atwood has been in charge of installation work for companies in the nitrate region of Chili, and possesses an intimate knowledge of the technology of this product, as well as a direct acquaintance with engineering conditions generally in that extensive land. He will first discuss the work he has been in, and then tell of the methods of applying for jobs in South America. This lecture initiates a series of four dealing with engineering conditions in foreign countries. The succeeding ones will treat of Central America, China, and the near East.



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**DR. GIFFORD DESCRIBES THE GREAT ADVENTURE**

**Prominent Brookline Divine In The Union Yesterday At Noon**

The regular weekly T. C. A. talk held yesterday in the Union was given by Dr. O. P. Gifford of the Brookline Baptist Church before a large number of students. The speaker took for his subject, "The Great Adventure," and, as has been the case in his other talks in the Union, he held the attention of his audience to the close.

Dr. Gifford said that there were two great adventures, one of life and the other of death. "No man has ever charted the sea of eternity and none has ever found a laboratory where the soul could be analyzed. The soul is the most complex of things that man has to deal with. It may sometimes be run by an ancestor, other times by one's mother or father.

"It is a great adventure to find oneself. The surroundings of a person do not create character but influence it tremendously." Moses and Lord Shaftsbury were mentioned as typical examples of those whose characters have been influenced by their environment. "It is a constant fight for a man to get control of himself. The adventure of life leads only to the adventure of death. Remember—Death does not change character. Sleep does not change character—it freshens it."

**CREW PRACTISE**

(Continued from Page One)

big Reunion week festivities. It is very probable that a Class Day Regatta will be held at this time. The crew may also take part in the Harvard Class Day Regatta, which will be held sometime in May. There is also a race pending with Exeter Academy.

Practice will be held at the B. A. A. Boat House every day this week at 4:30 o'clock and Saturday at 2:00 o'clock. All the preliminary work will be at the rowing machines, but as soon as the ice goes Coach Stevens will have the men out on the river. Manager Dinkins has issued another call for candidates. All those interested can gain further particulars by calling at the B. A. A. Boat House between 4 and 5 o'clock any day this week.

**GEOLOGY PARTY**

(Continued from Page One)

given here in Dynamical Geology or General Geology. Professor Lahee states that the course would be of much value to the men in courses I, III, XI, XII, and to any students whose future work is apt to demand some understanding of earth structures and geological maps.

The total expense of the trip will be \$340. This includes travel out and return, life in camp for the eight weeks, saddle horses for the pack train excursion, tuition fee, and personal outfit. Men who complete the work satisfactorily and who pass an examination will receive credit for a full year course at Harvard. For further information students consult Professor F. H. Lahee, Room 14, Pierce Building, as soon as possible.

**MIDDLETOWN SWIM**

**Final Meet To Be With Wesleyan University On Saturday**

The Swimming Team will on Saturday evening compete with Wesleyan University at Middletown in the last, and what is expected to be the most spectacular meet of the season. Tech has so far met with not a single defeat, Wesleyan with very few. Both teams have met and defeated Brown, the scores being almost identical.

The following men will meet at Trinity Place Station at 1.25 Saturday afternoon to make the trip: Root, Gay, Foster, Untersee, Wales, Bolan, Pierce, Wood.

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**MEXICAN CLIPPINGS AND OTHER COMMENT**

The following are a few of the interesting comments and press clippings concerning March 24th, which have come to the attention of the Editor:

"Columbus, N. M.—General Francisco Villa is reported to have eluded the Boy Scouts of America punitive expedition, and at the present time is believed to be headed for Boston, an important town north of New York. He said that he would spare neither man nor beast in his effort to reach Boston by March 24th. When asked the reason for his trip he replied, 'I wish to get the greatest possible number of the Gringos all at once, and have a regular torchlight affair. March the 24th is their "Night of Big Events" and my way is clear.'

"Dear Mr. Editor of The Tech,  
"What is it that they are doing—changing Saint Patrick's Day to March 24th. We protest.  
"Yours for business,  
"ABRAHAM LEVI."

The following was very kindly turned over to The Tech by the manager of one of Boston's gayest theatres:

"Dear Sir:  
"Kindly find enclosed three dollars, for which you will reserve a box for myself and party for March 24th.  
"Very truly yours,  
"H. H. WALTER."  
"P. S.—I have changed my mind, as there is to be something big up at Technology that night, so you needn't reserve the box. Kindly refund cash.  
"H. H. W."

Heard in the Union—"That's the darnedest fool stunt I ever heard of, advertising something in foreign languages. All I could get out of it was that something was to happen March 24th. I wonder what it is."

Heard in a fraternity house—"I have been here for three summers and four winters, and they have never pulled off anything original yet. What is this March 24th stuff anyhow?"

**ENGINEER CORPS**

**Dr. Prince Discusses England's Need Of Organization**

At a meeting of the Engineer Corps held yesterday afternoon, Dr. Morton Prince, who has had charge of the American medical unit in France, spoke about England's lack of preparedness at the beginning of the present war. He said that all the work of organization came automatically with the declaration of the war and if it had not been for her supremacy on the seas, she would never have been able to accomplish so much as she has.

England's greatest problems were the mobilization of 3,000,000 men, the building up of munition factories and obtaining skilled laymen to manufacture ammunition, accumulation of transport wagons and ambulances, and the organization of hospital service corps and the establishment of hospitals.

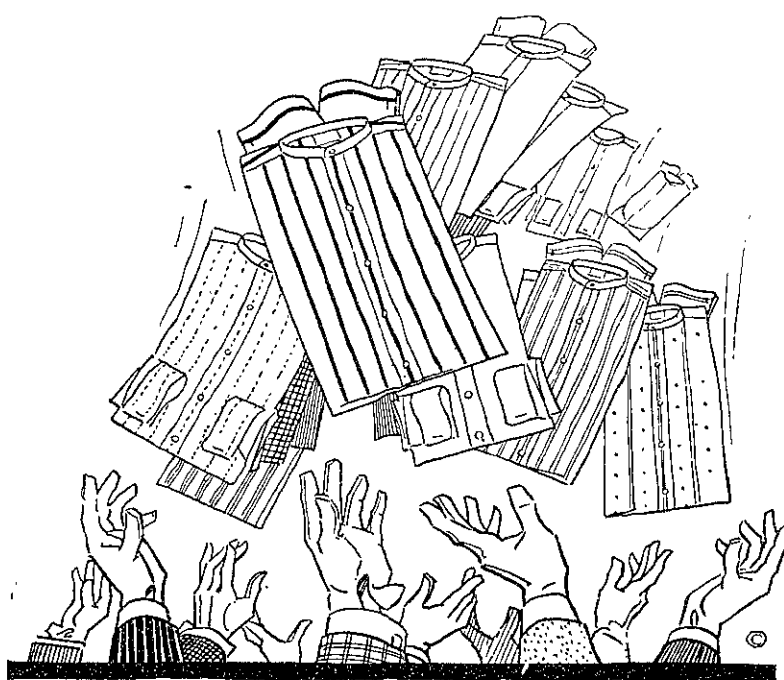
The hospital service in time of war must be particularly efficient for the net loss of an army during one month is 6 percent or 72 percent a year. In other words, out of an army of a million men, only 28,000 would be effective at the end of a year. At the last drive of Loos, 6000 casualties occurred and had to be taken care of immediately.

Dr. Prince, in closing, said that America ought to take England's example to heart and build up a navy which would be superior to that of any other nation so that we might render the enemy's ships helpless immediately after the declaration of war with a foreign power.

About three hundred professors, students, and instructors were present at the meeting.

**FACULTY NOTICE**

The exercise in Perspective for the first year students in Architecture has been changed back to the Tabular View assignment to Thursday 9.00 to 11.00. Students will meet Professor Lawrence in Room 42 of Pierce Building. The proposed Monday hour will be omitted.

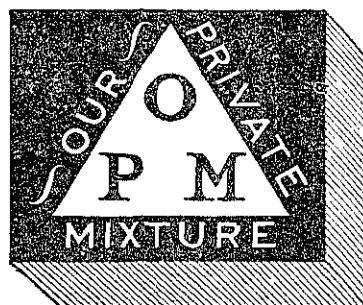


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**IGNATIUS McNULTY**  
Labor Authority Will Address  
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Mr. Ignatius McNulty will address Mr. Jeune's class in Professional Relations at 12.00 o'clock today in 42 Pierce Building. Mr. McNulty is business manager of the Building Trades Council, and a well known authority on trade conditions. His subject will be "The Relations of the Architect to the Labor Unions."

**SHOW PICTURES**

The pictures of the cast, chorus, and ballet of the Show will be taken at Otto Sarony's studio, 146 Tremont street, Sunday, March 19, at 9.00 o'clock in the morning. The picture of the management will be taken at 11.00 o'clock. Every man in the cast, chorus, or ballet, and the stage and publicity departments of the Show, must be at the studio at 9.00 o'clock.

**HONOR SYSTEM**  
(Continued from Page One)

projected about ten years ago but was rejected by the faculty because the proposed plan of government was faulty and there was not enough consideration given the adoption by the students.

Two students and one instructor who have had experience in other colleges under an Honor System gave their reasons for favoring the adoption. Two colleges, one of 600 and the other of 1000 students, had the proposition of adopting the Honor System placed before them, the students voted upon the measure, and the system was adopted. As a result more freedom was given the students. Being placed on their honor, they were permitted to leave the room during examinations. The system was inaugurated in all four classes at once. The proposed Technology Honor System would take effect only in the two upper classes. The instructor who has attended the University of Texas both as a student and an instructor, stated that the adoption of an Honor System here would be a good thing. One of the main objections offered against its adoption is the supposed difficulty in getting fellows to give information about those who cheat. This instructor spoke of one case here at Technology in which a student had had all his analysis work done down street and had handed it in to the Institute and had nevertheless receive his degree. He had also on one occasion when acting as proctor during an examination noticed certain irregularities among the students. He said that in order to make the system a success the spirit of the Honor System would have to become a part of the college itself just as "school spirit" is a vital part of any college. Any revolutionary change will have to be a radical one, and so it would be best to install the system in all four classes at once rather than to effect the change by degrees.

It was also suggested that the system should be in effect throughout the whole year instead of merely during examinations. Under such a ruling, a student would be expected to refrain from using work which had been done by another who had previously done it and might have it on file.

An objection to the adoption of the system by all four classes at once was that the change would be too radical and that it would have to become a sort of tradition before it could be effectively instituted throughout the school.

E. P. Brooks '17 was the chief speaker taking the negative side. He said that the Committee should decide to do what the student body as a whole deemed most advisable, but that he believed it would not work well at Technology. In the first place, the majority of students do not need the Honor System because there is little tendency to cheat, hence a large body would continue unaffected by the ruling. Further, it would not have enough backing to make its adoption a success, for if only a portion of the school lived up to the ruling, the effectiveness of the system would be crippled.

Other objections which were raised were noises which would be inevitable during examinations if students were permitted to move about and were at liberty to converse; the lack of demand for such a system by the student body; and the uncertainty about the conditions which will prevail at the New Technology.

After a lengthy discussion the motion to submit the adoption of the system to the student body was laid on the table and the meeting was adjourned until next Tuesday.

**CHESS SEASON ENDS**

The end of the chess season finds Technology in virtually the same position in the Metropolitan League which the team held last year. Five teams played this year instead of seven, Technology placing fourth as compared with fifth in the previous season. The teams placed as follows: 1, Wells Memorial; 2, Harvard; 3, Boston Chess; 4, Technology; 5, Bay State.

There will be a meeting of the Chess Club Executive Committee in the Union tomorrow at 1.45 o'clock.

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