

## FALL TRACK EVENTS HELD LAST SATURDAY

Nearly One Hundred Men Enter  
Fall Meet—Sheldon '21 and  
Captain Wright '18 Highest  
Individual Point Winners

### FRESHMEN LEAD IN SCORE

The annual fall handicap meet was held last Saturday afternoon on the Field. With the exception of a slight wind the weather conditions were excellent. Nearly one hundred men from all four classes at the Institute competed.

Although the meet was not an inter-class event, the freshmen, true to tradition, scored the greatest number of points, totaling 56. The Sophomores finished second with 40 tallies; the Seniors third with 16; while the Juniors aggregated 14.

Sheldon '21, captain of the freshman relay team, was the highest individual point-winner, capturing first place in both hurdle events and third in the pole vault. In the latter event, his actual vault should have given him the second position, but the large handicap accredited Fletcher made a forfeit of the honor necessary. Captain Wright '18, pushed the freshman relay captain to the utmost for individual points, gaining 11 to Sheldon's 12. Captain Wright finished third in the 100-yard dash, second in the broad jump, first in the pole vault, and fourth in the discus throw.

In both the 100-yard and 220-yard dashes Bossert '20, ran the prettiest race. Starting provokingly slow, he would fairly eat up the track each time, finishing second in the former and first in the latter event. Owing to the excessive handicaps allotted, the quarter mile run was pretty much of a farce. Pierce '20, won the high jump with al-

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## REGULAR ENGINEER CORPS APPOINTMENTS

Statistics Show Technology Men Well  
Represented

In a letter from the office of the Chief of Engineers, U. S. Army, he makes the following statement in regard to all candidates for the Regular Engineer Corps:

"Of all the technical schools whose graduates have taken the examination, the Massachusetts Institute of Technology has by far the best record, for, out of the 35 who were appointed as a result of the examination this year, 14 were graduates of that institution, and the percentage was especially great amongst those who made the best percentages in the examination."

The actual appointments to the grade of 2nd Lieutenant, with their relative standings are as follows: (1) Samuel L. Kuhn '17—I; (4) William Lohmeyer, Jr., '17—I; (5) William A. Clark '17—XI; (7) Hubert W. Collins '17—I; (8) Harold J. McDonald '17—I; (11) Frank B. Hastie '17—I; (12) Harold V. V. Fay '14—IX; (13) Oscar Peterson '17—I; (14) Thomas K. Meloy '17—XV; (19) Walter L. Medding '17—XV; (22) Albert C. Lieber '16—I; (27) Henry E. Strout '17—XV; (30) Frank C. Rogers '17—I; (31) Philip N. Cristall '17—I.

Last year but six men were appointed from civilian institutions, out of which Technology had (1) Ernest L. Osborne and (3) Howard G. Borden.

The combined tests give Technology 16 out of a total of 41 appointed from all the colleges of the country. We have had even a greater percentage of men pass the mental examination and fail to fill the physical requirements. Technology can even increase her percentage, however, for there are still 200 vacancies to be filled.

## TO DISCUSS LIGHTING AT A. I. E. E. MEETING

New Wireless Course Will Be Started  
This Week

The first joint meeting of the Student Branch and Boston Section of the American Institute of Electrical Engineers will be held on Tuesday evening, November 13, at 7.45 o'clock in room 10-250. Mr. F. W. Peek, Jr., consulting engineer of the General Electric Co. at Pittsfield, Mass., will give a talk on the "Phenomena of Lightning," illustrated by laboratory experiments. Mr. Peek has made a study of lightning disturbances for several years, from the phenomena of natural lightning to a study of all electrical interferences. The various types of lightning discharge, high amperage arcs, and grounds will be demonstrated by high frequency, high voltage Tesla coils and transformers. In the experiments many of the effects of electrical phenomena upon generating and transmission lines will be shown. All Technology students and their friends are invited to attend.

The A. I. E. E. Student Branch, supported by the Institute Electrical Department, has decided to start, probably during this week, a course in code practice and the theory of wireless telegraphy, which will be open to all members of the branch. All those who wish to attend this course should leave copies of their program cards at room 10-203, in order that a definite schedule may be decided upon. The first class meets in room 10-250 from 4.00 to 5.00 o'clock on Wednesday, November 14, the second from 4.00 to 5.00 o'clock Friday, November 16, in a room to be announced later. The yearly dues of the branch are one dollar.

## 200 ATTEND POW-WOW

Captain McRea Tells of Im-  
portance of Trench Raids

"It's the uncertainty that makes trench raids interesting," was the way Capt. Donald MacRea summed up his subject at the first Pow-wow held in the Walker Memorial yesterday. His audience, numbering two hundred students, was seated in the main dining hall, where they were served with refreshments after the completion of the speech.

To begin with, Capt. MacRea explained the importance of the raids, which he himself often personally led. The chief purpose, he said, is to gain information of the disposition of enemy forces along the front in preparation for a big attack. Furthermore, they lower the enemy morale and make his troops "jumpy." At the same time, they increase the ardor of their own infantry to attack.

The method of gaining the desired information, while apparently trivial, is productive of the most complete results. They only have to bring back one prisoner, said Capt. MacRea, in order to attain their end, which is to find out from his identification tag what German brigade occupies the sector opposite them. By this means the generals planning an attack can keep track of enemy movements and can tell where they may best make the attack. By further correlating this information, the army headquarters is enabled to draw up an accurate map of the position of the various German divisions.

Having thus fixed in the minds of his audience the importance of the trench raids, Capt. MacRea proceeded to outline the preparation and execution. Men must be picked with the greatest of care and must be really specialists in this line. A man must have the "dash"; caution would endanger success of the raid. The parties usually consist of about one hundred and thirty men each in charge of a captain. These men are divided up into five parties, each of which has its own function to perform. That of the first party is the most im-

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# 700 FACULTY, ALUMNI AND UNDERGRADUATES ATTEND WARTIME TECH'S WARTIME DINNER

## LECTURE ON CONCRETE

The first of a series of lectures on concrete and its uses will be given in Room 10-250 at 3.00 o'clock Wednesday afternoon. Mr. C. W. Boynton will speak on "The Cement Gun and Its Product." Mr. Boynton is chief engineer of the Cement Gun Company and for twenty years has been associated with important research and development work in the fields of concrete engineering.

The cement gun is one of the newest and most practical methods of applying concrete. Its use is distinctly modern and should be known to all students of engineering, therefore authorities hope that Mr. Boynton will be greeted by a large audience, indicating the professional interest of the students of Technology.

## CLASS NOMINATIONS

Freshmen to Elect All Officers—  
Upperclassmen Fill Vacancies

The nominations for the various class offices have been received. The elections are to take place Friday, November 16. The balloting will be from 8.30 to 4.30 o'clock. The room for balloting has not yet been decided upon. The student tax must be paid to enable a voter to cast his ballot.

Because many of the nominees did not hand in authentic lists of the activities in which they are engaged, this list could not be printed, but will appear in a later issue. The nominations are as follows:

### Senior Class

For Treasurer: S. W. Fletcher, M. Seltzer, J. H. Tipton, S. K. Wiley.

For Institute Committee (one member to be elected): P. M. Dinkins, R. B. Wills, T. P. Wright.

For Executive Committee (two members to be elected): E. McNally, K. H. Kaiser, T. P. Kelley, G. H. Porter.

### Junior Class

For President: W. H. Banks, C. P. Davis, P. D. Scheeline.

For Institute Committee (one member to be elected): H. A. Herzog, J. Meader, D. D. Way.

For Executive Committee (two members to be elected): D. C. Sanford, Jr., E. R. Smoley, J. H. Tooley.

### Sophomore Class

For Treasurer: J. J. Hines, R. G. Mosserop, T. W. Bossert.

For Institute Committee (one member to be elected): J. W. Kellar, N. G. Abbott, Jr., M. M. Whitaker.

For Executive Committee (one member to be elected): M. B. Lees, J. A. Farrer, P. D. Ash, G. R. Knight, B. F. Casey.

### Freshman Class

For President: F. H. Herman, J. L. Hurley, E. Merrill, C. C. Nelson, E. Stockwell, R. K. Thulman, W. H. Young.

For Treasurer: M. B. Beattie, J. Entwistle, J. R. Hotchkiss, D. C. Huntington, E. MacDonald, J. H. McEvoy, W. D. Morrison, J. L. Vaupel.

For Institute Committee (two to be elected): W. Adams, C. B. Barton, G. Bawden, E. W. Booth, W. K. Brimblecom, C. A. Clark, W. Dean, S. J. Hill, W. H. Irwin, F. B. Kittredge, C. F. Parker, R. F. Officer, E. O'Hearn, D. J. Swift.

For Vice-President: A. D. Harvey, D. F. Carpenter, R. McKay, E. O'Hearn, L. W. Trowbridge, E. Underhill.

For Secretary: P. N. Anderson, R. S. Clark, P. Holmes, J. T. Rule, E. S. Whitman, E. M. Wilson.

For Executive Committee (two to be elected): W. Adams, J. W. Barriger, L. K. Cowie, N. E. Ferguson, W. Norton, N. F. Patton, H. Schmidt, S. L. Vadner, J. Worcester.

President Maclaurin, James P. Munroe, Major Sneed  
and Others Prominent in the Direction of  
Technology's Course in the  
War Speak

## LOYALTY AND DUTY DEFINED FOR INSTITUTE

THE Wartime Dinner, given by The Tech to about seven hundred Alumni and undergraduates at the Walker Memorial last Saturday, was the biggest undergraduate affair held in several years. The speakers aroused the interest and enthusiasm of their audience with talks that were for the most part patriotic, and dwelling to a great extent on the part that Technology men are playing in the war. The musical program was rendered by a band that had a unique method of allowing its hearers to select the pieces they wished to have played.

Paul C. Leonard '17, Chairman of The Tech Board, after reading some congratulatory telegrams received from I. W. Litchfield and men in the service stationed at Fortress Monroe and elsewhere, introduced as toastmaster for the evening, Mr. James P. Munroe, Secretary of the Corporation, and now engaged in war work in Washington.

Mr. Munroe spoke on the conditions which exist in the capitol. Washington is a very solemn place these days and one is fully impressed with the dominant strength of this heterogeneous populace. No one shows signs of any discouragement, but, on the contrary, everyone works under an added stimulus. Men in Washington labor until 1.00 and 2.00 o'clock at night, for time is proving one of the most important factors, and though there is some bickering, confusion and waste due to the extraordinary conditions, still the progress is tremendous. There is no feeling between the Northern and Southern factions and the poor man and rich man work side by side. There is no graft. Men are too busy serving their country to think of graft.

And in all departments there are to be found Institute men, filling important positions. Men with technical training are in a demand that has never before been felt. Everything is being done through applied science.

The toastmaster said he was proud of the undergraduates who have shown wisdom in continuing their work at Technology and thereby fitting themselves to better accomplish the tasks that await them. The Class of 1917 was exceptionally fortunate in having graduated at a time when it could be of so much service to the country, and of the members of this class almost all are in some branch of the service.

Hospitals are being prepared for disabled men who will be sent back wounded and every possible means is being exerted to be able to fit them to take

up their places in society once more.

R. W. Van Kirk '18, President of the Senior Class, then stated that it is essential to have the student activities continue as in past years. He said that the Student Tax had met with fair success and that next week would see the beginning of the Y. M. C. A. campaign to raise money among the different colleges for war work. Technology is expected to raise \$10,000. Many other colleges have obtained the required amounts and with the co-operation of the student body the Institute ought not to fail to reach the required goal. Van Kirk said that true loyalty to the college and the classes can be displayed by voting at the elections to be held the latter part of this week. In conclusion, he thanked The Tech in behalf of the student body.

President Maclaurin, the next speaker, called attention to the fact that the gathering was a sort of informal dedication of the Walker Memorial and said that it was singularly appropriate that the building be dedicated to such a man as General Walker. The President described the primary duty of the undergraduate as applying himself to serious study with determined application to the work immediately before him. Every undergraduate ought to take part in the school activities, the purposes of which are to do something for all Institute men, graduate and undergraduate. President Maclaurin read a cablegram from Paris which said "Tech holds first college banquet at the University Union. Sends greetings," and he expressed pride over the fact that Van R. Lansing '98, is one of the directors of Professor Peabody, head of the Academic Board of the Naval Aviation School, said that there are now 221 men

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## 1921 TUG-O-WAR TEAM TO BE PHOTOGRAPHED

The management wishes to notify all members of the 1921 tug-o-war team that they must report at Notman's, 4 Park Street, Boston, on Thursday, November 15, to have their pictures taken. The picture will be taken promptly at 1.15 o'clock and the manager requests the men to be at the photographer's on time.

## NEWS MEETING

There will be an important meeting of the members and candidates of the News Staff of The Tech tomorrow at 1.05 o'clock in The Tech office. The following men are requested to report: Barriger, Batchelder, Bauer, Brown, Clarke, Edwards, Flemming, Gallup, Gardner, Giddens, Green, Hill, Kurth, Lawthers, Levin, Rule, Senzer, Smithwick, Steinger and Stose.

## CALENDAR

Monday, November 12, 1917

3.00 P. M.—Lecture on "Conditions in Russia," by Prof. Whipple. Room 10-250.

4.55 P. M.—Menorah Society Meeting. Room 10-275.

5.00 P. M.—Candidates for Tech Show. Publicity Manager Meet in Tech Show Office.

Tuesday, November 13, 1917

1.00 P. M.—Meeting of Second Asst. Advertising Managers, Tech Office.

1.05 P. M.—News Meeting News Staff and Candidates. Tech Office.

7.45 P. M.—A. I. E. E. Meeting. Lecture on "Phenomena of Lightning." Room 10-250.

Wednesday, November 14, 1917

3.00 P. M.—Lecture on "Concrete." Room 10-250.

# Convocation at 1.30 O'clock Today in Room 10-250

# The Tech

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## IN CHARGE THIS ISSUE

A. Kruse '20.....Assistant Night Editor

MONDAY, NOVEMBER 12, 1917

## DUTY OUTLINED AT TECH DINNER

THE TECH "Wartime Dinner" was a decided success. The main dining hall of the Walker Memorial was filled with undergraduates, alumni, members of the Faculty and others connected in some way with Technology. As was planned, patriotism was the keynote of the assembly. No one who attended could help but be impressed by the work of Technology in this "World War" however little may be heard of it from extraneous sources. That Technology is doing her bit cannot be doubted in the least. We were assured of that numerous times during the evening by the speakers; and they know.

Those who missed the dinner have in their memories a void where there should be the recollection of an eventful happening in the history of the Institute. As President MacLaurin stated, the dinner was in a way the dedication of the Walker Memorial, but even more important was the service it performed in bringing the men to a realization of their duties in the present crisis. It would be futile to attempt to give here even a brief resume of what was said. This much, however, may be stated—The undergraduate's way is clear; he should continue his work here with increased diligence. This is practically the gist of all the speakers' advice. As was often reiterated, this war is one which will be decided by the work of technically trained men. Our duty, therefore, is to complete our training and later enter the country's service. We are assured by those who should know that this war is to last for years and that every one of us will have the opportunity to better enlist our services later. Every undergraduate at the Institute should have his course of action outlined and that course should be the one which we were advised to take.

## THE WAR WORK FUND

TODAY the Y. M. C. A. will launch its drive at Technology for her contribution to its War Work Fund. By meeting this campaign in the proper manner, Technology will in no small way add to her already excellent record of war service. The campaign is without doubt one for a worthy cause. No one can question the excellent service being rendered by the Y. M. C. A. both here and in Europe. We can in no better way aid the men in service than by contributing our share. Besides the material aid which will reach them through the Y. M. C. A., there will be instilled in their minds that confidence which comes from knowing that the civilian population is behind them to the last man. This confidence is an inestimable factor in the successful prosecution of the war. We want success, so we must work and make sacrifices for it.

A number of undergraduates have been requested to aid in the drive. They are privileged to do even more than merely contribute to the fund—it is by their efforts that the campaign will be a successful one. Surely no one who was asked to help will slack. Some other colleges have already contributed to the fund in a way which calls forth admiration. Technology will not fail to do as well or better. As an institution, both the faculty and student body must show their colors and doubtless will.

The campaign is on. Let not a single man dodge his duty.

The death last Thursday of William Eastman, Jr., has caused the deepest sorrow throughout the Institute. Prominent in our affairs, an able student, of broad and unusual talent, he was a man respected and admired by all and beloved by his friends. In the service of his country, during which he met the cause of his death, he has done well. That a young man should die brings always peculiar regret; that this man, our comrade, is taken makes our sorrow inexpressible.

Upon the roll of those men from our Institute who have died for their country during this war, the name of William Eastman, Jr., is first. Even though not fallen in battle he has attained highest honor; his sacrifice lends to death the color of glory. In no small way will this mitigate the grief of his family and immediate friends, to whom the sympathies of all Technology are unreservedly extended.

## COMMUNICATION

November 7, 1917.

To the Editor of The Tech:

Your readers may be interested to know that the Technology Workroom for War Relief, located in Room 16, Rogers Building (491 Boylston Street, Boston), has now been in active operation for an entire month. Sweaters, Slippers, Comfort Bags, Identity Bags, Laundry Bags, and all kinds of warm knitted things are being made there and at the homes of the workers. Several bundles are sent by parcel post every week to Mr. Lansingh, at the American University Union in Paris, in response to a request from him, and these enable him to distribute sweaters, socks, wristlets, etc., to those M. I. T. men who are eagerly asking for them. Bedside slippers are in much demand by our men at Camp Devens. It is also hoped to provide all M. I. T. men in our armies in Europe with comfort bags for Christmas. These, each with a personal message, are being mailed directly to the men themselves so far as individual addresses are complete. A packing case containing a large number of the same gifts is being sent to Mr. Lansingh for those whose addresses are unknown at the Workroom.

A number of men going into active service have visited the Workroom and have been fitted out with such things as they wished to have, some wanting knitted garments, and all glad to have the khaki bags.

At the earnest request of officers stationed at Camp Devens, books have also been sent to Technology men there, which are packed in specially prepared boxes constituting small personal libraries. We have also been asked to send some of these boxes of books to Fort Strong in Boston Harbor, and within a day or two a similar request has also come from Pensacola, Florida. The Committee feels that the Workroom has already justified its establishment and hopes really to extend its field of service.

Our future depends wholly on the degree to which the Workroom is supported by the wives, mothers and sisters of Technology men. If every one who reads this will only tell such women of our existence and urge them to come to Rogers on Monday and Thursday afternoons or on Tuesday and Friday mornings, we shall be able to infinitely increase our usefulness.

(Signed) MARY F. SEDGWICK.  
Director.

## M. E. SOCIETY HOLDS FIRST SMOKER OF YEAR

Mr. B. F. Collins '88 Speaks of Spanish-American War

The Mechanical Engineering Society was unusually fortunate in securing for the speaker at its smoker last Friday evening, Mr. B. Collins of the Spray Engineering Co., an Institute man of the class of '88, who was for some years after his graduation an instructor in the Mechanical Department. Professor Miller, in introducing Mr. Collins, told of some of their experiences together and of their great friendship. Mr. Collins' talk on his experience in the Spanish-American War was especially interesting as it showed the differences between that comparatively minor struggle and the Great War in which we are now engaged. Mr. Collins, at the time when the Spanish War began, was a member of the Naval Reserve at Chicago, where he was employed. After passing a competitive examination lasting from 9.00 o'clock in the morning until 5.00 at night, without any intermission, he received a commission as ensign for the duration of the war, and was ordered to the Scorpion, a converted yacht which was doing patrol duty off Cuba. Although the Scorpion was a comparatively small ship, there was plenty of excitement and adventure for all on board.

On one occasion the Scorpion, together with two other small vessels, entered a harbor in which, to their surprise, they found five first class Spanish gunboats lying at anchor. The first indication the Scorpion had of the enemy's presence was a shell exploding over their heads. Although the odds were in every way against them, the three ships managed to make their escape after a half-hour's severe fighting, practically unhurt. A few days later a Spanish paper came out with the astonishing news that the battleship Massachusetts and the cruiser Cincinnati had been defeated in a decisive fight by five small Spanish gunboats, and had retired with great carnage owing to the superior gunnery of the Spanish crews. A week later, however, these three ships together with two other small vessels, in the third most important battle of the war, sunk those same five gunboats as well as two transports and two other ships.

After voting to send a letter of condolence to the parents of "Bill" Eastman '18, expressing their sorrow at his untimely death, the meeting was adjourned. Refreshments were then served in the "Caf."

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**FALL HANDICAP MEET**

(Continued from page 1)  
most a walkaway, being forced to do but 5 feet 5 inches.

The complete summary of the meet follows:—

100-yard dash, 1st heat: Won by Bossert '20, scratch; Wright '18, 2 1-2 yds. handicap, second. Time, 10 2-5 sec.

2nd heat: Won by Downey '20, scratch; Pridmore, 2 1-2 yd. handicap, second. Time, 10 2-5 sec.

3rd heat: Won by Junod '21, 6 yd. handicap; Britton '21, 8 yd. handicap, second. Time, 10 2-5 sec.

Finals: Won by Junod '21, 6 yd. handicap; Bossert '20, scratch; Wright '18, 2 1-2 yds. handicap, third; Pridmore '21, 2 1-2 yds. handicap, fourth. Time, 10 1-5 sec.

220-yard dash, 1st heat: Won by Pridmore '21, 5 yd. handicap; Downey '20, scratch, second; Evans '21, 8 yd. third. Time, 23 2-5 sec.

2nd heat: Won by Bossert '20, scratch; Junod '21, 6 yd. handicap, second; Cowie '21, 9 yd. handicap, third. Time, 23 1-5 sec.

Finals: Won by Bossert '20, scratch; Pridmore '21, 5 yd. handicap, second; Evans '21, 8 yd. handicap, third; Cowie '21, 9 yd. handicap, fourth. Time 23 3-5 sec.

440-yard run: Won by Couch '20, 15 yd. handicap; Knight '20, 10 yd. handicap, second; Bards '21, 13 yd. handicap, third; Putnam '19, 20 yd. handicap, fourth; Scott '21, scratch, fifth. Time, 53 3-5 sec.

220-yard low hurdles: Won by Sheldon '21, scratch; Skinner '21, 6 yd. handicap, second; Wright '18, scratch, third. Time 28 2-5 sec.

120-yard high hurdles: Won by Sheldon '21, scratch; Hays '21, 4 yd. handicap, second; Skinner '21, 8 yd. handicap, third; Merrill '19, 6 yd. handicap, fourth. Time, 17 2-5 sec.

High jump: Won by Pierce '20, scratch, 5 ft. 5 in.; Brimbleton '21, 5 in. handicap, second with 5 ft. 5 in.; Merrill '19, 4 1-2 in. handicap, third with 5 ft. 4 1-2 in.; Fletcher '21, 4 in. handicap, fourth with 5 ft. 4 in.

Broad jump: Won by Mathews '20, 2 in. handicap, 20 ft. 9 in.; Wright '18, scratch, second with 20 ft. 6 1-4 in.; Pierce '20, 15 in. handicap, third with 20 ft. 1 1-2 in.; Junod '21, 15 in. handicap, fourth with 19 ft. 11 in.

Pole vault: Won by Wright '18, scratch, 11 ft.; Fletcher '21, 17 in. handicap, second with 10 ft. 11 in.; Sheldon '21, 1 in. handicap, third with 10 ft. 1 in.; Pierce '20, 17 in. handicap, fourth with 9 ft. 11 in.

Shot put: Won by Drew '19, 2 ft. handicap, 34 ft. 9 in.; Keller '20, scratch, second with 34 ft. 2 in.; Hays '21, 6 ft. handicap, third with 33 ft. 9 in.; Blood '21, 6 ft. handicap, fourth with 32 ft. 10 1-2 in.

Hammer throw: Won by Hays '21, scratch, 105 ft. 9 in.; Boghossen '18, 5 ft. handicap, second with 99 ft. 3 in.; Blood '21, 10 ft. handicap, third with 57 ft. 2 in.

Discus: Won by Drew '19, 8 ft. handicap, 124 ft. 2 in.; Keller '20, scratch, second with 116 ft. 10 in.; Norton '18, 18 ft. handicap, third with 105 ft. 5 in.; Wright '18, 10 ft. handicap, fourth with 104 ft. 10 in.

**SHOW PUBLICITY COMPETITION**

There will be a meeting of all Sophomore candidates for the position of Assistant Publicity Manager of the Tech Show Monday afternoon at 5.00 o'clock in the Show office opposite the Co-op. The freshman competition for the two freshman assistants in the publicity Department will start Thursday at 5.00 o'clock when all candidates for the positions will meet in the Tech Show office.

**Technology Men in War Service**

The Tech wishes to print the names of Technology men in War Service, whether in a military or industrial capacity, together with the branch of such service with which they have allied themselves. Notification of any corrections or changes in the information given in this column will be appreciated. Address any information of this character to the Managing Editor, The Tech, Massachusetts avenue, Cambridge, Mass.

**Class of 1890**

C. H. ALDEN, Capt., ordered to Camp Grant. Supply Officer, Ambul. Sect., 311th San. Train., 86th Div., National Army.

**Class of 1905**

C. W. BABCOCK, Lieut., U. S. N. R., in command of patrol boat "Alacrity."

W. A. CLARK, with 20th U. S. Engrs., care of Adj. General's office, Washington, D. C.

R. DAVIS in charge of Aviation School at Princeton Univ., Princeton, N. J.

W. E. FOGARTY, Naval Constr., U. S. N., Seattle Construction and Dry Dock Co. Supervising Const. for U. S. N.

J. A. FURER, Naval Const., U. S. N., U. S. Naval Station, Pearl Harbor, Seattle, Wash.

H. R. GABRIEL, Capt., E. O. T. C., Ft. Leavenworth.

R. C. GRADY, Lieut., U. S. N., in command U. S. S. K-5, Atlantic Fleet.

E. M. GRAHAM, Capt., Co. B, 113th U. S. Engrs., Camp Shelby, Hattiesburg, Miss.

W. GREEN, Bureau of Mines, Washington, D. C.

W. A. HALL, Lieut., U. S. N., care of Navy Dept., Washington, D. C.

S. M. HENRY, Naval Const., U. S. N., Bureau of Construction and Repair, Washington, D. C.

P. E. HINCKLEY, Capt., Supply Officer, 20th U. S. Engrs., Amer. Univ., Washington, D. C.

H. M. KETH, Lieut., Dept. of Hulls, Navy Yard, Boston, Mass.

C. E. LAEVITT, Bureau of Const. and Repair, Washington, D. C.

L. B. MCBRIDE, Naval Constr., Bureau of Construction and Repair, Washington, D. C.

G. B. PERKINS, 2d O. T. C., Ft. Myer, Va.

L. E. ROBBE, Capt., Amer. Univ., Washington, D. C.

R. P. SCHLACHBACH, Naval Constr., Navy Yard, Portsmouth, N. H.

C. M. SIMMERS, Naval Constr., Navy Yard, Boston, Mass.

G. S. TOWER, Lieut., U. S. N. R., Navy Yard, Boston, Mass.

G. S. TURNER, Major, 84th Div., Ord. Officer, Camp Zachary Taylor, Ky.

R. WILLSON, Lieut., U. S. N., care of Navy Dept., Washington, D. C.

**Class of 1913**

G. H. STARR, Capt., 136th Field Art., Camp Sheridan, Montgomery, Ala.

**PROFESSOR WHIPPLE TO SPEAK OF MODERN RUSSIA**

This afternoon at 3.00 o'clock, Professor G. C. Whipple '89 of the Department of Sanitary Engineering, will speak on "Present Conditions in Russia and the Future for Engineers in That Country." The lecture will be given in Smith Hall (room 10-250) and all students of Technology are invited to be present.

Professor Whipple has just returned to this country from Russia, where he was sent with the Red Cross Mission as a representative of the engineers of America. He is, therefore, in an excellent position to give first-hand information on the subject of his speech. A large part of the address will be devoted to a description of the work of the Red Cross Mission. The members of the Mission, representing various American interests, made a detailed study of the existing conditions in Russia, the possibilities for development of resources, transportation demands, and many other problems that are today confronting the new republic. The mission of which Professor Whipple was a member, was naturally shown all the intricacies in which the present government is involved, with a view towards straightening out the difficulties of our ally, promoting our relations with her, aiding her in making the most of her wonderful opportunities, and placing her in the foremost rank among the nations.

Professor Whipple is especially desirous of interesting Technology men in the vast projects that are being planned. He is assured that Russia, the new Russia, has emerged from behind the veil which has heretofore hampered her progress, and that engineers will shortly be in great demand to build and develop what is lacking. He states that he does not only refer to sanitary engineering but to all branches of engineering.

**THE TECH DINNER**

(Continued from page 1)

in this school and that the number would soon be increased to 300. Up to date there have been 617 men who have gone through the school. There is a faculty for both the Naval and Army schools and many positions are filled by younger men owing to the fact that most of the older professors are engaged in war work. There are eight colleges throughout the country that have schools such as are located here, and the war will be the means through which the teacher will come into his own.

Major Sneed, head of the Army Aviation School, made what he announced was his first speech. He told of President MacLaurin's desire to instill the spirit of Technology into the schools of aviation. The Major said the war is not a war to be fought merely by the soldiers of the nation but one to be fought by the American people as a whole. Each must do his share.

Professor Lewis, of the Chemical Engineering Department, who is now engaged in war work in Washington in the Bureau of Mines, emphasized the need of technically trained men. War makes a different demand upon the engineer than peace time does. War necessitates the change and improvement in materials so greatly that there can be no standardized production. Therefore to keep up with the demands upon production, men with the training which fits them for research work are absolutely necessary. Personality is of great importance to a man at this time and a thorough mastery of the fundamental principles of technical subjects is of the utmost importance.

The additional training that the Seniors receive in staying in the Institute the remainder of the year will be of great value and from this class many men will be drawn for service in Washington immediately upon graduation. Later it will probably be necessary to take men from the lower classes.

The last speaker was Professor Kennelly of the Electrical Engineering Department. He said that the soldier is merely the man in the front line and that the support of the nation as a whole is the most essential feature necessary for his success. We now fight for ourselves as well as for France and England and cannot sign for peace until our aim is accomplished, without bringing upon us a perpetual war for the next generation. Money value is secondary to the value of trained men and the services of these men. Professor Kennelly stated that the destruction of the people instilled with the poison of hate was justifiable.

Mr. Munroe, after an amusing Scotch anecdote, thanked the speakers and The Tech for the enjoyable evening and all joined in the singing of "America."

Moving pictures depicting the life at the Sophomore camp at Camp Cunningham, Machias, Maine, were shown.

**OVER FIFTY MEN ANSWER CALL FOR SWIMMING CANDIDATES**

A Trip Will Be Arranged for for Mid-Term Vacation

The first call for swimming candidates was made last week and was answered by over fifty men. The different events are well represented this year, and the prospects are bright for a first class team. Manager Scheeline will try to arrange a trip to several colleges as the majority of the men seemed anxious to do this. The trip will be made during mid-year vacation.

The first practice will be held this afternoon in the Boston Y. M. C. A. at 5.00 o'clock, and will be held regularly on Mondays, Wednesdays and Fridays at the same hour. Any freshmen who wish to try out for the team must see Coach Kanaly before reporting for practice, and they must see him every two weeks in order to keep their attendance record straight. It is required that all freshmen practice on the above days, but upperclassmen may report whenever their schedule will permit.

Every candidate must have a T. C. A. membership card, and in addition to this he must pay twenty cents every time he enters the pool or else buy a five dollar ticket which will admit him to the pool for about three months. Only the best men will be kept on the squad, and the first cut will be made in two weeks. It is very necessary that the men report regularly for practice as cuts will count against them. Captain Untersee will try to obtain the services of a professional coach for the coming season.

Meets have been arranged with Yale, Annapolis, University of Pennsylvania, Wesleyan, Amherst, Princeton, Columbia and College City of New York, but some of these may have to be canceled on account of the lack of funds.

**NOTICE**

There will be a short meeting of Second Assistant Advertising Managers at 100 o'clock tomorrow in The Tech office.

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ROSENFIELD AND RAPKIN

### FIRST POW-WOW

(Continued from page 1)

portant: to bomb and bayonet the Germans out of their trench.

The preparation for the raid starts with an artillery bombardment which cuts up the barbed-wire entanglements. A barrage is first used to cut gaps through the enemy wire and is followed by high-explosive shells which sweep away what is left. Then the fire is concentrated on the enemy trenches to clear out machine gun nests or other resistance which the Germans may have prepared for any such emergency.

At a certain moment, after it is thought that the artillery work is complete, the raiding party "goes over." Their advance across "No Man's Land" is the most dangerous part of the undertaking, for unless the artillery has been entirely successful, one machine gun may still be left. If this is the case, the whole party is soon wiped out. A great deal thus depends on the artillery, but since there is no absolute certainty that everything has been levelled down, this risk always exists to make the raid interesting, according to Capt. MacRea.

### MUSICAL CLUBS OPEN SEASON

The combined Musical Clubs will give their first concert at the Franklin Square House tomorrow evening at 8.00 o'clock. The concert will be followed by dancing. A limited number of Institute men may attend the affair and those wishing to do so will make the necessary arrangements with the manager.

All members of the clubs are to report at quarter of eight, except those dropped from the Glee Club. The hotel is reached by taking a Dudley Street car to Northampton Street and walking to Franklin Square. The following men will report for Glee Club rehearsal in the Emma Rogers Room at 5.00 o'clock today:

Abercrombie, Akers, Burke, Carpenter, Carven, Conant, Church, Craighead, Curry, Davidson, Ekdahl, Fisk, Fletcher, Gage, Graham, Hanley, Hazard, Kellar, McEwan, Nichols, Norton, Peterson, Prescott, Ried, Rogers, Seavey, Stewart, Travers, Turner, Whitman and Whitaker.

### OFFICIAL FROM THE M. I. T. Committee for National Service

JAMES W. ROLLINS '78, Chairman

WASHINGTON BUREAU  
908 Union Trust Building  
RAYMOND W. FERRIS '08, Secretary

A direct means of communication between the Technology and the National Government. If there is anything you wish to know in Washington, write to the Technology Bureau.

### What to Take to France

The following memorandum of things to bring to France has been prepared by a United States Coast Artillery officer now located on the Western front. This has been authorized for publication by Lieut. Col. W. F. Hase, C. A. C., Office of the Chief of Staff:

"Have all men fully equipped before you ever leave. At present \$1 equals 5.70 francs and four shilling two pence equals \$1 over here. Paymasters at home demand date of sailing before they will pay foreign service increase on home vouchers. This is impossible to give until months later; keep that pitance here for pocket money. Study French. Leather is expensive. Wardrobe trunks and wardrobe steamer trunks get by and for Artillery staff officers are very handy. Caps are good on ocean, but not worn in France. Champagne (excellent) costs at the most \$3 per quart. Get flint wheel and tinder cigar lighter. Kneelaced waterproof boots.

"Canned solidified alcohol. American tobacco for two months. Money for two months. Check account with trust company. Western Union code. Register code address with Western Union Company and naval censor. Sam Browne belts handled by U. S. Ord. Dept., Paris, \$6 and \$7. Trench coats in England or France cost \$35 for the best. Whip cord breeches with doeskin knees cost \$6 per pair in England or France and are almost waterproof. Get gasoline vapor lantern.

"Keep two to five days' canned rations with battery at all times, even if in spare barrack bags. Bring coffee—there is plenty of tea in England, but they don't like coffee as we do. Have extra hats for those blown overboard and also extra mess outfits. Box pistols until you reach final destination as they are easily lost between decks and not needed.

"Have each man load up with handkerchiefs, tobacco, face and laundry soap and each man one novel. If he hasn't money use company fund. Sweaters, mitts, woolen helmets, etc., galore for officers and men. Have American stamps handy. Get good fountain pens. Get some chocolate, concentrated soup

tablets or small cans of soup for an emergency. Fleece lined grey leather gloves are good. Mark all equipment all over. Officers carry two-foot lockers, one bedding roll and a small handbag—the first always come into camp late—and toilet articles, etc., are convenient and can be carried by buglers.

"Blank forms of all kinds and stationery. Plenty of shoe and legging laces. About twenty wash basins to be used by men to wash face and hands. Collapsible tables and camp stools for office.

"The Americans in France have same rations as at home. Keep your gold medal cot in your own bedding roll. Settle all business before you leave, because it is a long time between drinks and mail here. It is hard to get to Paris or London even if there is nothing to do. Make the men allot and deposit money. There are no women, plenty of professional gamblers and much cordial. All are paid in French money at 5.70 francs for \$1."

The Washington office was fortunate this week in receiving visits from two members of the executive committee of the M. I. T. Committee for National Service. Mr. F. A. Smythe '89, of Elvira, Ohio, and Mr. Charles W. Eaton '85, of Haverhill, Mass., both called and we believe this office will benefit by the words of advice and encouragement given by these two loyal Technology supporters.

Archibald M. Eicher '12, called again this week and gave us an opportunity to wish him "Bon Voyage." He expects to sail for France in a few days.

We also received calls from the following:—A. T. Hopkins '97, C. L. Pitkin '08, H. G. Manning '12, B. T. Rauber '14.

### July Examinations for Regular Army

As a result of the July examination, commissions as provisional second lieutenants in the regular army have been issued to 2,582 men. These men are drawn from three general classes as follows: Enlisted men of Regular Army, members and officers of National Guard Units, 110; honor graduates of distinguished colleges and members of Officers' Reserve Corps, 359; and from civil life, 2,113. Assignment to arms will be made in the proportion of Infantry, 1,286; Cavalry, 433; Field Artillery, 314; and Coast Artillery, 549.

All of the officers to whom commissions were issued passed their examinations with an average of 80 per cent or better. More than one hundred qualified, but only 2,582 vacancies are in sight at this time. The names of the remainder of the applicants who qualified will be kept on a reserve list and they will be commissioned in order, and assigned as vacancies arise.

War Department Ruling in regard to Enlisted Men receiving Commissions in the Officers' Reserve Corps.

To Department Commanders:—

"You are authorized to discharge any enlisted man who receives a commission in an organization in Federal service, provided the commission automatically places him on duty as an officer. The discharge should be as of date prior to the date of acceptance of commission. In case an enlisted man is commissioned in the Officers' Reserve Corps, the soldier is authorized to accept the commission, but will not be discharged until ordered to active duty. When so ordered, he will be discharged as of the date preceding the day he starts to obey the order. Your command will be advised accordingly and no applications for authority to discharge enlisted men for the purpose indicated above will be sent to the War Department."

### CAPTAIN CANFIELD FORMERLY ATTENDED TECHNOLOGY

Captain Edward Canfield, Jr., who took the special course in electrical and mechanical engineering at the Institute in 1911 has accomplished the most notable construction of the New England cantonment, a city of one thousand complete buildings capable of housing forty thousand men. The cantonment, which is situated at Camp Devens, has a perfect sewerage system, its own lighting and power distribution station, six separate classes of buildings and covers one hundred and eighty acres of ground. The most remarkable feature is the fact that it was built in exactly sixty-five working days, from first to last.

Captain Canfield had under his direction a force of more than nine thousand men, an engineering force of one hundred and an auditing force of one hundred and fifty. He is a graduate of West Point, and the Coast Artillery School at Fortress Monroe, has served in the Philippines; at Fort Riley, Kansas; Fortress Monroe, and as an instructor at West Point. Captain Canfield had charge of the construction of the Officers' Reserve Camp at Fort Meyer early in the present year and was put in charge of the construction at Camp Devens June 19, 1917.

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