

ENTIRE DORMITORIES OPEN TO OCCUPANCY

Student Government To Be Continued—Meetings To Be Held Next Week To Elect Members of Dorm Committee

200 ON WAITING LIST FOR ROOMS

The entire dormitories are now ready for occupancy, including the two sections which were not expected to be completely refurnished until the middle of next month. It has been definitely stated that all the rooms have been applied for and that men who have them should occupy them immediately or the rooms will probably be assigned to one of the 150 or 200 men who have tried to obtain rooms and have failed to get them. Next week elections will be held to elect the members of the various house committees who conduct the student government of the dormitories. The Institute dormitories are the only ones in the United States, according to Bursar Ford, which are wholly governed by the men living in them. So far the present system of dormitory government has proved an entire success, and the faculty are more than pleased with the manner in which the committee has always accomplished its work.

The present influenza question has caused the corporation some little thought as to how the situation could best be taken care of in order to insure the health of the men living in the dormitories as it is impossible for a large number of men to live together during an epidemic without some danger. However those in charge have formulated plans which will reduce this danger to a minimum, the details to be announced later.

The bulletin which has been published by the Institute should be of interest to students, both to those considering to move in and others. The bulletin in part is as follows:

1. Buildings and Location.

The first of the new dormitory buildings is located at the east end of the Institute property on the line of the Charles River Esplanade, near the new Walker Memorial. It is built along the north and east sides of the

(Continued on page 4)

A call for Track candidates is being issued. Training schedules are now ready at the Track House. There will be a meeting of Track candidates the early part of next week.

300 MEN OF 36th PROVOST GUARDS TO TAKE BARRACKS

Mr. Ames to Take the Place of Mr. Palmquist Who Will Stay With T. C. A.

Monday, January 6th, the Department of the Northeast will take over the Barracks occupied by the Students' Army Training Corps at Technology. The 7th it is expected that two companies of the 36th, provost-guards, will move into the barracks where they will remain indefinitely, probably until all the men returning from overseas have been discharged. One company of the guards is now stationed in Boston and the other is at Camp Devens. The post will be under the command of Major Hickey, U. S. G.

Besides the barracks the "Y" hut will also pass out of Institute hands. The hut will be taken over by the New England district of the Y. M. C. A. on Monday and Mr. Ames will probably be here as secretary. Today the T. C. A. for which the Y. M. C. A. functioned during the fall term, will be removed to room 3-115. The quarters will be temporary, but the book exchange and other departments of the T. C. A. will remain open and in charge of Mr. Palmquist. The "Y" hut will be closed to students after today.

The provost-guards will number about 300. They will eat in the mess-hall and have the benefits of the "Y" hut which will be refurnished by the Y. M. C. A. The furnishings now in the "Y" hut belong to the Institute and will be used by the T. C. A.

SOPHOMORES MUST DRILL

Military Training Made Compulsory for Two Years—Junior Freshmen Begin

Drill at the Institute will be compulsory for two years, whether the men expressed the desire to join the R. O. T. C. or not. The Sophomores, freshmen, and junior freshmen will drill as separate units, and the last two named will drill together on Saturdays. The junior freshmen began yesterday, under Colonel Hamilton, who will be connected with them alone. He said that probably two companies of them would be formed.

It is not known as yet when the Sophomores and freshmen will start drilling, but it will probably not be for another week. As contemplated, the R. O. T. C. will take four years, with probably a commission in the reserves at the end of that period. This will not interfere with the compulsory drill, however. The men said that they wished to join the R. O. T. C. at the time of registration will probably be able to change their desire, if they so wish.

OLD TIME TECHNOLOGY SPIRIT OF CONTEST RISES AS CLASS NOMINATIONS ARE COMPLETED

Student Body Shows Appreciation of Members Who Resigned By Again Making Them Candidates—J. J. Hines, '20; J. C. Nash, '20; W. M. B. Freeman, '20; F. L. Bradley, '20; L. W. Trowbridge, '21 and W. R. Barker, '21, Are All Nominees

ELECTIONS TO BE HELD MONDAY

Nominations for candidates for offices in the three lower classes at the Institute closed officially yesterday noon with a total of 68 nominees. This number was divided among the classes as follows: 1920, 15 candidates; 1921, 36 candidates, and 1922, 17 candidates. All six of the former officers who resigned in order that no unfairness should be shown to men who were absent from Technology on military duty, were renominated and current opinion indicates that the student body will further show its appreciation of the spirit exhibited by these men by re-electing them. The formal elections will take place on Monday, and the polls, located in Room 3-115, will be open from 9 until 5. By a plan adopted by the committee on undergraduate activities, all students will be eligible to vote whether or not they have already paid their class dues. All voting will be done secretly by the Australian ballot system. Each student will obtain a ballot from the table indicated by his class numerals and will proceed to a booth, where he may cast his vote.

A recapitulation of the nomination returns shows:

Office	Class of 1920	No. of Candidates
President	Class of 1920	1
Vice-President	Class of 1920	2
Secretary	Class of 1920	1
Treasurer	Class of 1920	3
Institute committee	Class of 1920	7
Executive committee	Class of 1920	1
President	Class of 1921	3
Vice-President	Class of 1921	4
Secretary	Class of 1921	5
Treasurer	Class of 1921	3
Institute committee	Class of 1921	13
Executive committee	Class of 1921	8
President	Class of 1922	1
Vice-President	Class of 1922	2
Secretary	Class of 1922	4
Treasurer	Class of 1922	2
Institute Committee	Class of 1922	4
Executive Committee	Class of 1922	4

The list of candidates for offices as shown by Saturday's returns follows:

NOMINATIONS FOR CLASS OF 1920

For President
John C. Nash, Delta Upsilon; Secretary-Treasurer of Exeter Club, Tech Show, President Institute Committee.

For Vice-President
Scott Wells, Delta Kappa Epsilon; Swimming Team, President T. C. A., Vice-Chairman M. E. Society.

John J. Hines, Jr., Delta Tau Delta; Manager freshman crew, Vice-President Sophomore class.

For Secretary
Merrill B. Knox, Delta Tau Delta.

(Continued on page 3)

WORD FROM TECH BUREAU

Letter Just Received From Paris Gives December News

George C. Gibbs, '00, has just sent in the information available at the Tech Bureau in Paris up to December 11. This includes the lists of the men in the Paris hospitals, those decorated and promoted, those present at the Tech dinners and the University Union.

Men in Hospitals
Lieutenant Herbert W. Barrett, '18 is still in the Hospital No. 3 American Red Cross, Paris. He is recovering from a wound in the leg. He expects to leave the Hospital soon.

Last word received from James Sidney Marine, '17, and Donald D. Warner, '18, was that they were waiting in hospitals to be sent to the States. We understand both are doing very well. Sergeant Robert W. Scott, '20, came back from the hospital several weeks ago, recovering from a wound in the arm.

Lieutenant Richard B. Catton, '13, is still in Hospital No. 3, Paris. He has been suffering with Mastoiditis; he is somewhat better.

Lieutenant Dudley Bell, '17, was in town for a few days, having entirely recovered from his wounds. He left Paris returning for the States.

Decorations
Recently Lieutenant Arthur R.

Concluded on page 4)

NOTICE

Important meeting of all men who signed up for track and men interested in the same will be held in room 10-250 at 4 P. M., Monday, Jan. 6, 1919. Candidates for 2nd assistant manager should report to Mgr. Anderson at that time.

All swimming candidates who were unable to report for practice on Friday, should be present at the Boston Young Men's Christian association on Huntington avenue on Monday. Later announcements concerning this will be posted in the swimming bulletins.

There will be an important meeting of all Course VI, XIV, and XV, men interested in the Technology Branch of the A. I. E. E. on Wed. Jan. 8, at 1.30 P. M. in Room 10-267. Ballots will be distributed for the election of officers.

WALKER MEMORIAL TO

Gymnasium and Whole of Memorial To Be Ready Feb. 1st.

The Walker Memorial for the first time since it was built, will be at the disposal of the students of the Institute not later than the first of next month. The Naval Aviators will be withdrawn by the 18th of this month, and the painters expect to be through shortly. The need of a recreation hall has been sadly felt during the past two years and it is hoped by the students that the opening of the Memorial will alleviate this want. The Walker Memorial will now be put to the use for which it was intended, namely that of a student activities, and recreation building. The well equipped Walker gymnasium will also be ready for the various indoor teams and will aid them greatly in getting their training so necessary for a victorious season. The heads of the activities which are going to be in the Walker are going to get together on the 4th and with the aid and advice of Bursar Ford pick out their quarters.

THESE FIVE MEN RESIGNED TO MAKE A CLEAN SLATE FOR ELECTIONS



William Robert Barker '21



William M. B. Freeman '20



Lawrence W. Trowbridge '21



John C. Nash D. T. '20



John Jerome Hines D. T. D. '20



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Homer V. Howes '20 General Manager
Carl W. Harris, '21 Acting Managing Editor
Scott H. Wells Circulation Manager
Raymond A. St. Laurent '21 Advertising Manager

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The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE OF THIS ISSUE

- Edward A. Ash Night Editor
F. W. Adams H. C. Gayley

SATURDAY, JANUARY 4, 1919

WHERE ARE THOSE SWIMMERS?

DESPITE the fact that Technology, this year, has probably more material for a crack swimming team than any other college in the country, the men who have ability along these lines seem to have lost their spirit. Manager Richard McKay has notified all candidates that practise would be held at a certain time and yet only a few men have put in an appearance.

FIRST TERM COURSES GIVEN AGAIN

THE Faculty have been liberal in offering a great many of the first term courses for the benefit of men who are returning from the service and others who have fallen behind during the past period of unsettled conditions.

THE STUDENT TAX

THE final figures in favor of the student tax shows that the undergraduate body are backing up the activities stronger than ever before. To vote against such a measure which, if it failed to go through would mean practically the death blow to the activities and injure the reputation of the school, should be a black mark against the guilty men.

INSTITUTE COMMITTEE MEETING

The first regular meet of the Institute Committee will be held on Thursday, January 9 at 5 o'clock. At this meeting the apportionment of the Student Tax, the question of having a doctor at the Institute and the class elections will be discussed.

MEETING

If the present apportionment of the Student Tax is not satisfactory, the committee will make some slight changes in the present allotments. At an informal meeting held in the activities building last Thursday, it was decided to form an activities committee, which will be a permanent organization, and will see that the various activities work harmoniously.

PERSONALS

Copy of a letter sent by Joseph Balch, Jr., '10 to Mr. Gibbs of the Tech Bureau. November 25th, 1918.

Dear Mr. Gibbs: Just a line to heartily thank you for a mighty generous package I received a short time back while in Verdun. We have been on the move continuously since then and I have delayed writing until just now, owing to an almost complete lack of time, and place, and facilities.

The rumors point now to a speedy return to the States for us, so that we will soon be back to the land of civilization where such comforts are the rule instead of the exception (I am referring to the pajamas and not the cooties). But in the meantime I will say your "Treasure Chest" is a god-send and many thanks for your generosity.

(Signed) JOSEPH BALCH, JR., M. I. T. '10.

L. Hall Goodwin '12, III, announces the birth of a son, Donald, on December 3, 1918, at 321 Harrison Street, Passaic, N. J. This is Mr. Goodwin's third child.

Lieut. Harold W. Barker, '14, IV, and Major Jasper Whiting, '89, III, are at present in France

Ned Warren, '81, announces the arrival of a daughter, Ruth Elizabeth Warren, born October 22.

Stanley C. Sears, '01, has been discharged from the Engineers and is at Kirkland Court, Cambridge. He received his commission only a few days before the armistice was signed.

Harry R. Gabriel, '05, is Captain of the 21st Regt. of Engineers, A. E. F.

Word was received from T. M. Genoud, father of Ernest G. Genoud, '08, that the latter had died Oct. 2, 1918 a victim of the epidemic of influenza, in his 30th year. He received the degree of doctor of engineering after three years study in Berlin in 1911, and for the last three years he was connected with Arthur D. Little, Inc., Charles River Road, Cambridge.

Changes in Address

John C. Potter, '14, VI, 1st Lieut. Sg. Corps. U. S. A. Hdqts. Central Depot, Chicago, Ill.

Henry H. W. Keith, '05, Lieut. Naval Constructor U. S. N. R. F.

Sanford E. Thompson, '89, Lt. Col. Ord. Dept., U. S. A., Washington, D. C. Frederick P. Karns '14, Capt., Co. F, 15th U. S. Engrs., A. E. F., France, November 22nd, 1918.

Dear Mr. Gibbs: Please pardon the long delay in answering your very kind letter of August 31st, enclosing the addresses of Dave Card and Bill Short. I have been very neglectful of my correspondence for quite some time, but it has not altogether been my fault.

You of course know how swiftly events have been marching in the A. E. F. recently, and up to the cessation of hostilities. Well, my career has been almost as swift... and infinitely more varied. Since I last saw you at Paris I have had a multitude of changing experiences. Not all of them were pleasant by any means, but I am mighty glad to have had them.

When I came back from the French Army (and by the way I was with them at the time of the Boche made their last attack on July 15th) to rejoin my regiment, I found the regiment on the way to their sector in the Vosges. All but two batteries had already left. While we were there we took Frappelle in a little operation which the newspapers (with their usual foolishness) hailed with acclaim. It really amounted to nothing. I happened to be liaison officer with the infantry. I saw all there was to see.

From there we went to the St. Mihiel Sector for the operation there in which we were so successful. The bike up there took 17 days and I shall never forget it. It was a case of; hike all night and work all day, and when you could get any sleep you slept in beautiful, soft, wet mud. Not at all pleasant. Our horses died on the way—it was awful. But we got there, and as soon as we arrived there I was chosen to be the Liaison Officer with the attacking battalion of infantry. I was glad at the time but I didn't know what I had in store for me. I had some experience. For four days I was with the infantry, two days and nights I lived in shell

holes, under almost continual shell and M. G. fire. The first food I received a day and a half, was bread and cheese I took from German prisoners. I certainly saw what war really is.

Shortly after I had returned to my regiment again I received orders to report to the Chief of Artillery of the Fourth Corps. I was put in charge of the Artillery Information Advance Center at Mamay. I had a fine job there, the most interesting work one could wish for. I had a telephone central and was connected up with all the Sound and Flash Ranging Stations, Balloons, etc. As soon as the Boche Battery was located it was my job to telephone it to the Artillery concerned and get some fire put on it. Can you imagine how interesting it was? And then, a short while after I was taken here in the S. O. S. for a staff job when General Lassiter was made the Chief of Artillery of this Army. The work was highly interesting in spite of its being so far from the lines. The best of it is that I have had the opportunity to see the war from so many different angles. It has been great. But I am sincerely grateful that it is now over. I have seen too many good men go west. It is too bad.

I see that I have written a whole volume. I did not mean to write but a short note when I started out. I must close now, however.

I thank you for your kindnesses when I was with you in Paris, and for the address you sent me. Owing to the unsettled condition of the Army I don't think I had better write to Bill Short as he is probably no longer in Paris now. By the way, from all accounts you must have had quite a celebration in Paris when the Armistice was signed. How about it?

I hope I may get the opportunity to drop in on you some time again, till then "au revoir"—best wishes and regards to all, from

Yours truly, (Signed) H. H. BURKHARDT, M. I. T. '16.

The following citation concerning one of 1911's "gold stars" has been received by the Tech:

First Lieutenant Percy A. Rideout (deceased), 1st gas regiment. For extraordinary heroism in action at Clerges, France, Oct. 4, 1918. Lt. Rideout made an extended reconnaissance in advance of the outposts, fearlessly exposed himself to enemy machine-gun fire, being several times knocked down by exploding shells. The information he secured was valuable to the infantry, giving them knowledge of exact location of machine gun nests. During the action this officer directed the laying of the smoke barrage from an exposed position, remaining at his station throughout the operation, in spite of several shell and machine-gun fire, and continuing to display the highest courage until he was killed by shell-fire. Next of kin, Mrs. Helen P. Rideout, wife, 8 Armory street, Springfield.

CREW SEASON TO COMMENCE WITH MEETING NEXT TUESDAY

All Crew Men to Come to Room 4-108 in Full Force Jan. 7 Management Desires More Freshmen to Try Out For Second Assistant Managements. Unusually Successful Season Expected.

In spite of the fact that the chilly winds of January are blowing across the Charles, and that the river is getting ready for its winter freeze-up, balmy zephyrs of crew talk are being wafted over the Institute. There will be an important crew meeting in room 4-108 at 1:20 on Tuesday, January 7. It is imperative that all men should be present at this, the introductory meeting of the year. The men who signed up for crew on their activity cards are expected to be there in full force as the management wishes to get a line on the new material.

It is understood by the followers of the sport that several oarsmen of no mean ability have reported at the Institute from other colleges. Freshmen especially are in demand, and the fact that they may substitute this activity for calisthenics should be an additional persuader. It is expected that crew practise will start next week; work will be on the machines, and the candidates will be sized up by the coach. The place of practise has not yet been announced, but the gymnasium is the place towards which expectant eyes are directed. The rowing machines have been brought down and now rest in state on the first floor of the civil engineering department in building 1. Here they will be put into condition for the strenuous work to which they will be subjected.

Plans for the coming season will be announced at the meeting on Tuesday and several prominent oarsmen are to speak to the fellows. From all accounts, a series of record breaking crews are hoped for, although most of the rowers are to be picked from the new material. More freshmen are needed for the managing staff, so they should come out in full force and hand in their names to Manager H. J. Dube at the meeting.

The management expects every man to buck in and do his bit to help make the coming season on the Charles a successful one for Technology.

CLASS OF '68 MEETS.

On December 19, 1918, the class of '68 came together to celebrate the fiftieth anniversary of the date of its graduation. There were present six members—Eli Forbes, Robert H. Richards, Eben S. Stevens, Wm. E. Stone, John B. Twombly and D. M. Wheeler.

The members of the class rejoiced greatly over the splendid advance that had been made in the school not only from the academic point of view, but from the point of view of apparatus and materials for giving the practical side of the instruction, and they said that they feel a little envious of the greatly improved facilities that the young men have at the present time over what they had in the pioneer days. They found, however, a certain compensation and it is right to say that it was a very great compensation, in the fact that the days were pioneer days, and that the teachers who were trying to teach the classes were themselves trying to learn how to teach. This condition of things brought to the men many lessons which in the completed, fully equipped school of today are not present, and in a large measure compensated for the disadvantage of having received the teaching in pioneer days.

RIFLE CLUB STIRRING

The Rifle Club, open to all Technology students interested in marksmanship, will soon open its season with Arthur C. Atwater of Newburyport, Mass., as president and G. R. Bond of Springfield, Mass., as secretary. Those wishing to join should see either President Atwater or Secretary Bond. President Atwater may be found, during the day, at the Institute, or in the evening at his home, 512 Commonwealth avenue, Boston. Secretary Bond rooms in the dormitories and will be glad to give information to those living there.

Practise will be held in the rifle range built by the government for the S. A. T. C., but now turned over by Col. Hamilton, who held the keys last term, to President Atwater. The club will find this an idea place for practise as it is situated in back of the athletic field and easy to reach from the main building. Those interested will find notices of the club meetings posted on the bulletin board or in THE TECH.

LETTER FROM LOBDELL CONCERNING A. R. BROOKS

The following letter was received by the Tech from S. E. Lobdell, who is in the Headquarters Third Battalion, 151st Depot Brigade, Camp Devens, Massachusetts, and marked on the board of the Tech Vol. 36.

December 31, 1918. Mr. Homer V. Howes, General Manager THE TECH Massachusetts Avenue, Cambridge, Massachusetts.

My dear Howes: Through a letter from a friend overseas who has known him over here he was in France I obtained some information of the record made by a former Editor-in-Chief of THE TECH, Arthur Raymond Brooks, '17, who served on the Board of Volume 36 of the Tech.

He is now a 1st Lt. in the Air Service and has been in France since last Spring, was in training for two months (at that time was a 2nd Lt. and then was assigned to the 139th Squadron and sent to the Touj front where he operated for several months until transferred to the 22nd Aero Squadron, which is a part of the First Army Air Service, last August.


Brooks was promoted in November and made Commanding Officer of his squadron and has since been recommended for a Captaincy. At the time the armistice was signed this squadron had an official credit of forty-three victories, the highest in the pursuit group. In two months and a half during which time it operated over the St. Mihiel and Argonne-Meuse drives it lost twelve officers including two or four prisoners.

Brooks, himself, is, or rather was on December first, credited with six official and four unofficial victories; has one Air Service Citation, was awarded the Distinguished Service Cross, and has been recommended for the Medal of Honor.

While at the Institute he was on THE TECH for three years and was Editor-in-Chief of Volume 36 his Senior Year. He covered the "Nantasket Pier" and was one of the two who covered the wireless "Voyage of the Junco" and "The Tech" during the Battle of Bellefleur and Dedication of the New Tech building during June 1916. He was the first Chairman of the Dormitory Committee during the year 1916-17. His class was XIV-A I believe.


Best wishes for a Happy New Year for yourself and THE TECH. Sincerely, S. E. LOBDELL. BE OPENED TO ACTIVITIES

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NEW YORK BOSTON CHICAGO

LEAD AND ZINC IN 1918

The domestic mine output of lead and zinc decreased in 1918, according to C. E. Siebenthal in a statement just issued by the U. S. Geological Survey, Department of the Interior. The lead and the recoverable zinc or ores mined was approximately 563,000 tons and 627,000 tons as compared with 651,156 tons and 711,192 tons in 1917. The refined lead output of smelters and refineries was 645,600 tons against 612,214 tons in 1917, and the antimonial lead output was 22,000 tons as against 18,647 tons. The lead available in the United States is 540,000 tons against 515,258 tons in 1917. The output of spelter from domestic and foreign ore was 525,600 tons against 669,573 tons in 1917. Spelter from foreign ore decreased to 22,000 tons from 84,976 tons in 1917. The percent domestic consumption of spelter was 440,000 tons compared with 413,481 tons in 1917. The consumption of spelter was 440,000 tons compared with 525,600 tons in 1917. The consumption of both lead and zinc include the metal shipped abroad for use of the American Expeditionary Forces. The average price of lead at New York was 26 cents a pound and of spelter at St. Louis 8 cents a pound.

Class Nominations
(Continued from page 1)

For Treasurer
Vaughn J. Byron, Delta Upsilon; Treasurer Sophomore class, Executive Committee of Exeter Club.
Malcolm S. Burrage, Delta Kappa Epsilon; freshman crew, Mandolin Club. Treasurer Technique Electoral Committee, Captain of Sophomore Crew.
Alfred T. Glassett.

For Institute Committee
William M. B. Freeman, Sigma Chi; freshman wrestling team, Vice-President Civil Engineering Society, Executive Committee Sophomore Class.
B. F. Casey, Delta Kappa Epsilon; freshman Football, Captain Sophomore Football Team, Technique Electoral Committee.
Henry C. Pierce, Track Team. A. T. A. for high-jump, Captain Track Team Sophomore year.
Kenneth F. Akers, Lambda Chi Alpha; Chorus of Tech Show; Glee and Mandolin Clubs principal of last Tech Show; Technique electoral committee.
Herman Broeman, Jr., Theta Delta Chi; Tennis team.
A. C. Atwater, Kappa Sigma; Cross country team; program committee of Chemical society.
Frank L. Bradley; freshman relay team, freshman cross country Institute committee; class football team.

For Executive Committee
D. Joseph Hennessey.

NOMINATIONS FOR CLASS OF 1921.

For President.
William H. Young, Phi Sigma Kappa; Football and Swimming team
Reginald Smithwick, Phi Sigma Kappa; Night Editor of THE TECH.
Bruce F. Rogers, Sigma Alpha Epsilon.

For Vice-President.
Lawrence W. Trowbridge, manager of Tennis team; resigned vice-president of class.
Paul M. Anderson, Phi Sigma Kappa, manager track team.
John T. Rule, Theta Chi; THE TECH news staff.
Henry P. Junod, Theta Delta Chi; class relay team, track team.

For Secretary
Chris B. Nelson, Tech Show, 1918.
Albert E. Smith, Theta Delta Chi.
John N. Worcester, Tug-of-war; executive committee, freshman class; secretary, sophomore class.
Lawrence O. Buckner, Kappa Sigma; Tug-of-war.
C. A. Clark.

For Treasurer
Andrew G. Crowley, Jr.
Miles M. Zoller, Beta Theta Pi.
Henry Kurth, Orchestra; Night Editor, THE TECH.

For Institute Committee
Richard McKay, Phi Gamma Delta, manager of swimming team.
Richard J. Spitz, assistant business manager of Tech Show.
Garvin Bowden, Institute committee, track team.
Ralph W. Wood, Sigma Alpha Epsilon, freshman football team.
D. W. Randolph, Chi Phi, Mandolin club.
H. Baldwin, Delta Upsilon.
Zamby Giddens, Jr., Night Editor, THE TECH, Cabot medal.
William D. Morrison, Sigma Chi, Executive committee, Sophomore class.
Stewart Nixon, Lambda Chi Alpha, Stage manager Tech Show.
Ralph Ferdinand.
Richard G. Poole, freshman relay team.
John J. Murphy, freshman football team, Manager of freshman baseball team.
Edmund S. Whitman, Alpha Tau Omega; Glee Club.

For Executive Committee
Lawrence Conant, Theta Delta Chi; freshman relay team, Glee Club.
Josiah D. Crosby, Theta Delta Chi; Captain freshman Tug of War.
J. Rollin Hotchkiss, Chi Phi, Mandolin and Banjo Clubs.
R. W. Barker, Theta Chi; Assistant Wrestling Team, freshman Football.
H. S. Colton.
Herbert W. Smith, Assistant Business Manager Tech Show.
Irving D. Jakobson, Delta Upsilon; freshman Tug of War, freshman Crew.
Joseph W. Gartland.

NOMINATIONS FOR CLASS OF 1922

For President
Jack Heffernan, Seattle, Washington.

For Vice-President
J. J. Halbin, Jr., Northampton.
Paul S. O'Brien.

For Secretary
Harry E. Rich, Cleveland, Ohio.
R. C. Bishop, Lockport, N. Y.
Thomas E. Sheppard, Brookline.
Frederick Haskell, Jr., Phi Gamma Delta; Company Commander, Naval Unit.

For Treasurer
Ernest N. May, Phi Beta Epsilon; Tech News Staff, Boston.
Francis Walton, Newark, N. J.

For Institute Committee
Abbot L. Johnson, 2nd, Muncie, Ind.
Francis G. Davidson, Charleston, W. Va.
John L. Lively, Brookline, Mass.
W. C. Roberson, Phi Gamma Delta; First sergeant, S. A. T. C. Company D.
Warren T. Ferguson, Roxbury.

Henry C. Gayley, Phi Beta Epsilon.
Tech News Staff, New York, N. Y.
George T. Boli, Louisville, Ky., Naval Unit Football.
J. Howard Flather, Nashua, N. H.

There will be an important meeting of the Technology Orchestra, Monday, January 6, in room 10-267. The organization at present is altering its policy somewhat and in the near future competition for fresh material will be opened.
per K. P. CAOCHMAN,
Asst. Mgr. M. I. T. Orch.

OPPORTUNITY FOR EVENING STUDY

Attention is called to the fact that beginning with the present term the practice of having the Central Reading Room in the Rotunda open for readers in the evening has been resumed. During term time the Library will be open on week days from 9 in the morning until 10 at night, except on Saturdays, when it closes at 4 o'clock. The Reading Room offers a quiet place for study and there are numerous books and periodicals for reading and reference. The books in the stacks are also available at these hours. The use of the Library is of course one of the most important features of Student-Life; and Freshmen, especially Junior Freshmen should become acquainted with these facilities and the means of using them as early as possible. The Librarian and members of the Library Staff have regular office hours at the delivery desk in the Reading Room, and will be glad to meet students and to show them some of the ways in which they can take advantage of the very unusual facilities offered by the Library of the Institute.

VISITORS IN THE TECH BUREAU
From Nov. 29, 1918 to Dec. 12, 1918 Inclusive.

November 20, 1918.
John H. Stone, '14; Benj. M. Greely, Jr., '18; Wm. C. Lynch, '12

November 21.
W. C. avis, '11; Robert J. Miskowsky, '18; Francis W. Swain, '18.

November 22.
Neal E. Tourtelotte, '17; Charles E. Moody, '17; Winfred W. Smith, '17; Harold R. Crowell '16.

November 23
Sidney S. Bateholder, '17; James A. Given, '10; Arch M. Eicher, '12; Edward B. Peck, '14.

November 24.
Wm. W. Dodge, '16.

November 25
William L. Dennen, '17; H. Gordon Hawes, '10; H. J. Sheafe, '95; John H. Leavell, '07.

November 26
O. R. Peterson, '17; Harold Connett, '18; Douglas H. McMurtrie, '15; Dudley B. Murphy, '19; Alex. G. MacAlister, '18; Garland Lufkin, '18.

November 27
R. B. Haynes, '15; Milton W. Pettibone, '16.

November 28
Neal E. Tourtelotte, '17; Granville B. Smith, '18; Robert J. Miskowsky, '17; R. B. Wallace, '99; Douglas R. Buchanan, '18; Rogers Lord, '16; Donald E. Woodbridge, '16; R. V. Lowe, '17.

November 29
Raymond P. Low, '16.

November 20
Elmer E. Dawson, Jr., '14; Donald G. Tarpley, '17.

December 1
Franklin A. Birmingham, '19; Arthur R. Stubbs '14; E. F. Whitney, '07; William L. Dennen, '17.

December 2.
Thomas H. Atherton, Jr., '09; Lawrence L. Clayton, '17; John A. Lunn, '17; Wm. C. Lynch, '12; H. N. Williams, '92.

December 5.
McKeney Werlich, '15; A. W. Greenan, '12; Howard B. Allen, '15; Walter F. O'Brien, '12; Richard O. Lowengard, '17.

December 6.
Lawrence B. Cahill, '19; Frank J. Howard, '18; Granville B. Smith, '18; Geo. C. Danforth, '03; K. M. Cunningham, '19; Charles W. Loomis, '16; James E. Wallis, Jr., '17; Lawrence L. Travis, '15; C. E. Atkinson, '17.

December 7.
Dudley E. Bell, '17; Osmond S. True, '20; D. C. Barton, '11; Paul H. Buxton, '16; Mark Lemmon, '16; Eugene L. Macdonald, '13.

December 8.
A. E. Moody, '17; George W. Forrester, '13; E. Kenway, '11; James L. Taylor, '02; C. J. Davis, Jr., '16; Freeman Clarkson, '16.

December 9.
George N. Wheat, '01; Alex. G. MacAlister, '18; Sid E. S. Bateholder, '17.

There will be a meeting of the M. I. T. A. A., Friday, January 3, 1919, in the Tech Lounge at 7 o'clock.

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December 10.
Donald G. Tarpley, '17; Harold Y. Keeler, '17; Robert M. Phinney, '04; Charles E. Fox, '14; Clive W. Lacy, '15.

December 11.
Maurice R. Scharff, '09; John L. McAllen, '11; Walter L. Medding, '17.

December 12.
H. Whittemore Brown, '15; Stanley H. Franklin, '18.

CONCRETE SHIPS BLAZE THE WAY

When the United States went into the war and was crying for ships, Messrs. W. J. McDonald and Max Shopman who had had considerable experience in building concrete buildings, and with the information at hand of successful experimentation with small ships built of concrete in foreign countries, came to the conclusion that it would be feasible to build concrete ships of large tonnage. They felt that in this way steel would be conserved for other purposes and much time would be saved in construction, as moulds once made could be used again and again and ships could be turned out in much shorter time.

Messrs. McDonald and Schoolman were so confident of the success of concrete shipbuilding that they proposed to the government to undertake to build the first concrete ship as an experiment and in case of failure to stand half of the loss. On this basis the government agreed to go into the proposition and a yard was engaged at Brunswick, Ga., for the experiment. After much effort and overcoming many obstacles the first concrete ship, the Atlantis, named by Mrs. Woodrow Wilson, was launched on Dec. 4, 1918.

This ship has fulfilled every expectation of Messrs. McDonald and Schoolman and has disproved every objection of all engineers. It is 250 feet long by 43 feet beam, and has a carrying capacity of 3000 tons dead weight. It is lighter than a wooden ship of the same size, took less time to build and is absolutely watertight.

The experiment has proven so successful that the government has built four new yards for the construction of concrete ships and where formerly they hesitated about the practicability of a 3000-ton ship they are now building 7500-ton ships.

COPPER PRODUCTION FOR 1918 LARGER THAN 1917

The production of copper in the U. S. in 1918 was slightly larger than in 1917, according to preliminary figures and estimates collected by B. S. Butler, of the United States Geological Survey, Department of the Interior, from all plants that make bliser copper from domestic ores or that produce refined copper. At an average price of about 24.75 cents a pound, the output for 1918 has a value of \$473,000,000, as against values of \$510,000,000 for 1917 and \$190,000,000 for 1913. The figures showing the smelter production from domestic ores represent the actual output of most of the companies for the first 11 months of the year and the estimated output for December. A few companies gave no figures for November but furnished estimates of the combined output of November and December. The production of blister and Lake copper from domestic ores was 1,919,000,000 pounds in 1918 against 1,886,000,000 pounds in 1917 and 1,224,000,000 pounds in 1913. The supply of refined copper (electrolytic, Lake, casting and pig) from primary sources, domestic and foreign, for 1918 is estimated at 2,450,000,000 pounds, compared with 2,362,000,000 pounds for 1917 and 1,615,000,000 pounds for 1913.

According to the Bureau of Foreign and Domestic Commerce, the imports of copper in all forms for the first 11 months of 1918 amounted to 535,868,000 pounds, against 556,000,000 pounds for the 12 months of 1917. The exports of pigs, ingots, bars, plates, sheets, rods, wire, and like copper products for the first 11 months of 1918, as determined by the same bureau, amounted to 692,759,000 pounds; the exports for the 12 months of 1917 were 1,126,082,000 pounds. At the beginning of 1918 about 114,000,000 pounds of refined copper was in stock in the United States. Adding this quantity to the refinery output of the year shows that the total available supply of refined copper was about 2,564,000,000 pounds. Subtracting from this total the exports for the first 11 months and the estimated exports for the last month shows, on the assumption that there was no change in stocks, that the supply available for domestic consumption in 1918 was considerably more than the 1,316,000,000 pounds available in 1917.

Arizona produced about 777,000,000 pounds, compared with 712,000,000 pounds in 1917. The mines of Montana produced 328,000,000 pounds, against 274,000,000 pounds in 1917. Michigan produced 225,000,000 pounds, compared with 268,000,000 pounds produced in 1917. Utah produced 233,000,000 pounds, compared with 245,000,000 pounds in 1917. Nevada produced 105,000,000 pounds, compared with 122,000,000 pounds produced in 1917. Alaska, with a production of about 69,000,000 pounds, showed a large decrease from the previous year. New Mexico produced 98,000,000 pounds, compared with 105,000,000 pounds in 1917. The production of California was considerably above the 48,000,000 pounds produced in 1917. The production in Tennessee was about 14,500,000 pounds.

NEWS FROM PARIS

(Continued from page 1)

Brooks, '17, and Captain James E. Wallis, '17, were decorated with the D. S. C. by General Pershing.

Tech Dinners

On November 2 one of our regular monthly Tech dinners was held at the University Union. There were no speakers at that dinner. The following men were present: Herbert Wellecome, '18, Gorg C. Gibbs, '00, E. E. Dawson, Jr., '14, John R. Parker, '18, Tenney L. Davis, '13, Guy Hill '06, E. C. Lowe '05, Donald E. Woodbridge, '16, R. B. Haynes, '13, Wm. W. Dodge, Jr., '16, Paul H. Buxton, '16, Lucas E. Schoonmaker, '17, Douglas H. McMurtrie, '15, William A. Hall '88, Albert W. uBek, '13.

Plans were made at that time for an informal Christmas dinner which was held on December 21st.

On November 11, the day the Armistice was signed, a number of Tech men were in Paris, and there was a small Tech push which enjoyed the festivities of the day, and also were the guests of Charles W. Eaton, for lunch and dinner. Among those present were Charles W. Eaton, '85, George C. Gibbs, '00, Robert M. Allen, '16, Elbert D. Green '10, Douglas R. Buchanan, '18, Donald DesGranges, '14, Henry Miller Blank '18. Since the Armistice was signed, it seems that there have been more Tech men visiting the Bureau than any time in its history. This is accounted for by the fact that many men are going to Nice on permission and also stopping in Paris before leaving for the States.

The Bureau is always crowded and there are always more applicants for rooms at the Union than it can accommodate, and the Tech Bureau is supplying extra beds for those who cannot find any place to stay. The supplies from the War Service auxiliary are very much in demand. A splendid supply has been received and the men find them very desirable and there is a continued call for these supplies.

We had a little Christmas party on December 21 for the Tech men who could get to Paris. There was an informal open house at 5 P. M., with an old-fashioned Christmas dinner at 7 P. M. A great many availed themselves of the opportunity.

On December 5 one of our regular monthly dinners was held at the University Union; 27 men were present, and half a dozen other men came in during the dinner. Many of the men were at the dinner for the first time and all enjoyed themselves very much. The following men were present: Richard O. Lowengard, '17, James E. Wallis '17, Mark C. Kinney '11, Donald C. Barton '11, Dugald C. Jackson (Faculty), Almerin M. Gowing, '15, Herbert W. Barrett '19, E. C. Lowe, '05, A. S. True '14, Dugald C. Jackson, Jr. '19, R. S. Rowlett, '16, George S. Stevens, '14, Edward L. Moreland '07, James W. Doon, '17, Dudley E. Bell, '17, Paul H. Buxton, '16, Wm. W. Dodge, '16, C. P. Kerr, '11, Douglas R. Buchanan '18, Alexander G. MacAlister '18, John H. Babbitt, '17, O. S. True '20, J. C. Rollenbacher, '09, H. H. Burkhardt '16, Charles W. Loomis, '16, Edward H. Sargent, '07.

At this dinner all the men were presented with a very attractive brass briquet or a cigarette lighter which is a present this year from the Technology Bureau to all the men who are in France in the A. E. F.

Promotions

Captain W. P. Watson, M. I. T. '14, has been promoted to the rank of Major.

Captain N. D. MacLeod, M. I. T. '14, has been promoted to the rank of Major.

Captain J. R. Ramsbottom, M. I. T. '17, has been promoted to the rank of Major.

Lieutenant Eugene L. MacDonald, M. I. T. '13, has been promoted to the rank of Captain.

Lieutenant Charles J. Davis, Jr., M. I. T. '16, has been promoted to the rank of Captain.

Lieutenant R. W. Logan, '17, has been promoted to the rank of Captain.

2nd Lieutenant Donald R. Dixon, '14, has been promoted 1st Lieutenant.

2nd Lieutenant W. W. Eaton, '17, has been promoted to 1st Lieutenant.

2nd Lieutenant Arthur R. Brooks, '17, has been promoted 1st Lieutenant.

Sergeant Joseph L. Brodil, '16, has been promoted 2nd Lieutenant.

Fredrick B. Barns, '15, has been promoted 2nd Lieutenant.

Sergeant Lawrence L. Travis, '15, has been promoted 2nd Lieutenant.

Charles Rogers Lord, '16, has been promoted 2nd Lieutenant.

DOSMS OPEN

(Continued from page 1)

lot that contains the President's house and two fraternity houses.

The dormitory consists of four halls, each hall with a separate entrance, and four stories high, except in the case of Runkle, which has rooms on six floors. The halls are named Atkinson, Run-

kle, Holman and Nichols, all professors at the Institute in its earlier years.

2. Rooms.

The rooms on the first floor in each hall are single rooms. A few of the rooms on the fifth and sixth floors of Runkle Hall are also for single occupancy. All other suites are arranged for two or three men. They consist of a study, a dressing room, and either a double or two single sleeping rooms. There are fifty-four double suites and seven triple suites. One hundred and seventy men may be accommodated in the four halls.

Sixty per cent of the rooms are provided with lavatories. Toilets and shower baths are located on every floor in each hall.

3. Equipment.

The Institute equips the rooms as follows:

Single Rooms: Iron bed, mattress and cover, pillow, all bedding, chiffonier, desk and chair, rocking chair, bookcase, electric lamps (Mazda), sash curtains and wastebasket.

Suites: As above for each man, also wardrobes (single rooms have closets) and study tables.

5. Rentals and Payments.

The rentals of the single rooms and suites vary according to space, floor, exposure, and on account of lavatory installation.

In addition to the rental of the space, students should observe that prices include: Furnishings, heat, light, water, janitor and chamber service, soap and towel supply and laundry service for all bedding.

Rentals will be made by lease, bearing signatures of applicants, also of parents or guardians, and payments will be regularly due without notice--one-half on or before October 1 and one-half on or before February 10. No bills will be sent.

Leases will not be accepted unless accompanied by a deposit of \$5, which amount will be applied toward payment for the first half year. This deposit will be refunded only to students who are unable to attend the Institute, and only upon notice filed with the Dormitory Committee before September 1.

6. Occupancy.

A student will not be permitted to sublet or transfer his room or his share in a room without the consent of the Dormitory Committee.

8. Dormitory Awards.

Students who cannot afford to pay as much as the retals quoted may apply to the Dormitory Committee for financial assistance, which will be known as a Dormitory Award. A limited number of these--in no case to exceed one-fourth of the yearly rental--will be granted. All such awards will be confidential. Applications for the above must be filed with the Dormitory Committee preferably with the application for rooms and in any event before September 1.

9. Government.

While the government of the dormitory is carried on under the superintendence of the President of the Institute, through the Dormitory Committee, it is the desire to place the whole question of discipline, maintenance of good order, and right living in the hands of the student occupants themselves. The Dormitory Committee is responsible for the sanitation and janitor service and general regulations as to the allotment of rooms and will make an inspection of the rooms from time to time in these interests. The student members of each hall will be required to elect on or before October 15 of each year a Section Committee composed of a member from each class, with the Fourth Year students as House Representative. The four Representatives so elected shall in turn choose a fifth (also a Fourth Year man and a resident of the dormitory), and the five shall constitute the General House Committee of the dormitory. They shall elect their own chairman. These committees shall be charged with the maintenance of order, the enforcement of regulations passed by the Dormitory Committee and the general conduct of the occupants of the different sections.

Only in the event of a failure of such student government to maintain order and right living will it become necessary for the Dormitory Committee to assume their duties and take summary action.

House rules framed by the Student House Committee will be posted in each hall and each occupant of a room will be provided with a copy of the same.

10. General Information.

Withdrawals: In the event of a student withdrawing from the Institute, the Dormitory Committee will endeavor to reassign the room vacated, provided proper notice is given.

Keys: Key cards, obtainable at the Bursar's office, may be exchanged at the office of the Superintendent of Buildings and Power, Room 3-005, for individual room keys. A deposit of fifty cents is required.

Mail and Express: Packages and mail matter should be addressed to the students, Massachusetts Institute of Technology Dormitory, Ames Street and Charles River Road, Cambridge, Mass.

Individual lock boxes are provided at the Superintendent's office.

Telephone Service: A telephone pay-station is located on the first floor of Section C, near the Superintendent's office. Persons calling the dormitory from the outside should give the number--Cambridge 57077. An intercommunicating telephone service, reaching each corridor, enables the Superintendent's office to easily call any occupant. Private telephone service may be arranged for by communicating directly with the Commercial Department of the New England Telephone & Telegraph Company at Cambridge.

Storage: Ample facilities for the storage of trunks, luggage, etc., are provided in the basement of the dormitory without charge.

Additional Lights: Students who desire to purchase desk fixtures of other additional lighting should see that the connecting plugs will fit the wall sockets which are generally provided throughout the dormitory.

Building Service: The building is of concrete construction, with brick and stone facing, and is as near fire-proof as possible. Power and light are furnished by the use of vacuum cleaners nished directly from the Institute's own Power Plant and the building is The service is directly in charge of a Superintendent and is maintained by experienced colored porters. The Superintendent's office is always open on the premises day and night.

For further information address any member of the Dormitory Committee.

DORMITORY COMMITTEE, Alfred E. Burton, Chairman, Horace S. Ford, Edwin T. Cole, February 1, 1918.

WRESTLERS HOLD MEETING

A meeting of the wrestling team was held Friday afternoon, at which the management announced the plans for the season. Many men were on hand and all were highly interested. The team until it is able to move into Walker. Practice will be held at five o'clock every day except Saturday. Freshmen may substitute wrestling for the required Physical Training.

WOULD CHECK PROSELYTING

A movement is on foot among some of the leading preparatory academies to adopt a one-year resident rule similar to that now in force among so many of the colleges. The idea is to provide that no athlete who has won a sport letter at a fitting school shall transfer to another and still be eligible to play on a representative team until he has completed a year's academic work. Such a rule would put a great crimp in prep school proselyting.

War Service Auxiliary

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