

FRESHMEN AND SOPHS WILL DRILL NEXT WEEK

Military Studies For Second Year Men — Juniors Will Be Offered Advanced Courses — Uniforms Will Be Issued

TWO NEW UNITS

All military work will be resumed Wednesday, January 22. It has been announced that all work will be under the R. O. T. C. The Naval Reserve men will drill with this organization, but will be organized into separate companies and will wear Naval uniforms. This means that while doing the work of the R. O. T. C., they will be unable to share its privileges.

An agreement of the Faculty with the Government makes drill compulsory for two years, for persons affected by the following ruling:

"All male students who are rated as first (and second) year students, except aliens, are required to attend exercises in Military Science and Drill except as excused may be granted by the Faculty in the case of men considerably beyond the usual age." This rule was adopted before the two year compulsory rule, and is of course in equal force for second year men.

Drill was suspended for a short time while S. A. T. C. matters were being finished, and college organization completed. It was also hoped that more definite information would be obtained as to organization, supplies to be furnished, etc. The law provides for furnishing the men with uniforms. Men who have already been furnished will receive no more equipment this term. Heretofore the overcoat has not been included in the uniform, and it is not known whether they will be issued. If not, men who have not already received them will be able to purchase them at the government price.

The military work for Freshmen will consist chiefly of drill and calisthenics. After the first year there will be little drill, the work being mainly technical military studies, depending on the unit selected, which in turn will depend to a considerable extent on the college course. At present there will be two hours a week of military topography and map reading. Other courses will be provided for men who have had this work before.

There will be units for training for the Engineer, Ordnance, Coast Artillery and Signal Corps. It is hoped that

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STAGE DEPARTMENT OF TECH SHOW BEGINS WORK

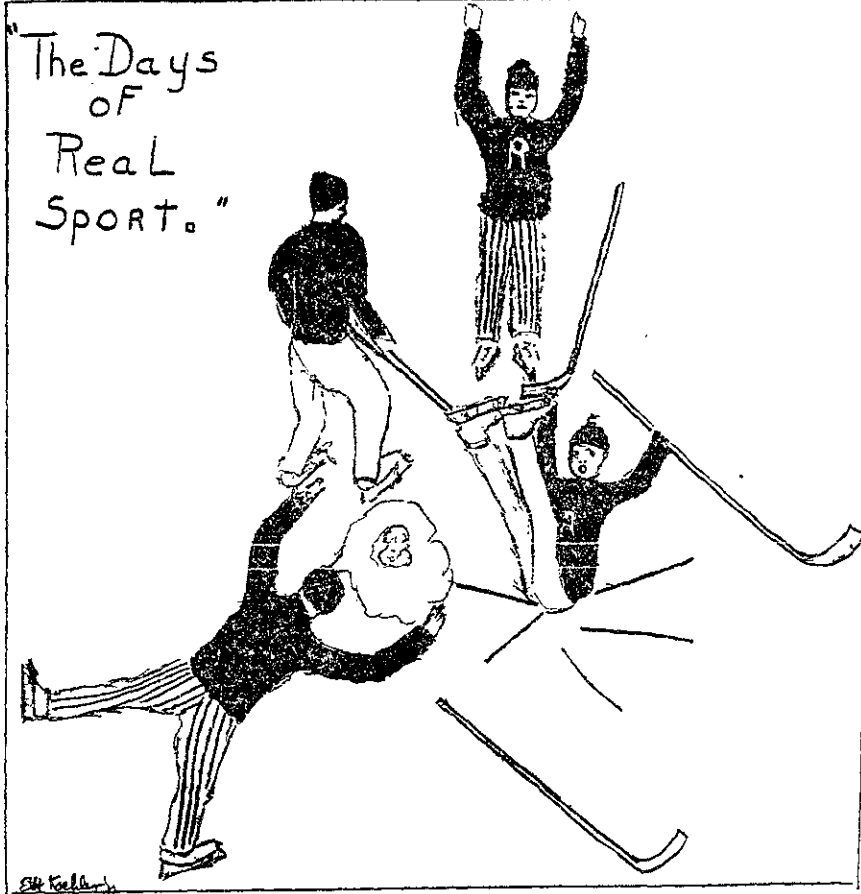
Last Thursday a meeting of all Freshman candidates for the stage department of the Tech Show was held, which was attended by a large number of men. For this reason the outlook for the stage department shines very brightly. There are many candidates, of whom at least twelve have had previous experience in stage managing in preparatory schools.

J. A. Philbrick '20, the stage manager, addressed the candidates about the work, stating that a good deal of music is wanted, and that the men must locate everybody who can write lyrics and make them come forward. He said there should be no scarcity of these, as there are many men at the Institute who can write the necessary material, if sufficiently urged, and that the positions for which the candidates may qualify are prompting, the writing of lyrics, the work on costumes, and orchestration of music.

The stage department is at a disadvantage because of the fact that the show has not as yet been picked out. Mr. Percy Marks of the English department says that three very good scenarios have been presented and that extreme difficulty is being encountered in choosing the best one.

He announced that there will be another meeting of the freshman candidates next Thursday, and in the meantime the men are to do what they can individually on the work as outlined.

ATKINSON VS. RUNKLE IN "TREAT 'EM ROUGH"



ALL THE NEWS IN THIS ISSUE IS NOT ON THE FRONT PAGE. READ THE TECH FROM START TO FINISH.

ACTIVITIES ARE ORGANIZED

Permanent Committee Formed To Hold Meetings

At a meeting held in the office of the Tech Show on Wednesday evening, a permanent Activities Committee was organized. The purpose of this committee will be to hold informal meetings at regular intervals in order to bring the various individual activities into closer relations with each other. It is hoped that in this way the activities at the Institute will be able to work together in order to overcome the difficulties which may be common to all.

All activities wishing to be represented on this committee are invited to join and to send two representatives.

It was decided that the officers would be a president, a vice-president, a secretary and an executive committee consisting of the three officers mentioned above and two members chosen at large. George Burt was elected president, R. H. Smithwick, vice-president, Homer Howes, secretary and P. N. Anderson and Norris Abbott as additional members of the executive committee. It was decided to hold the meetings at five o'clock on the Wednesday after regular Institute Committee meetings.

It was also decided to start a complete file of the activities either supported or engaged in by every undergraduate. This file is to be kept in the office of the TECH for the present and every activity is asked to send in complete records of every man entering competitions, assisting in conducting the activity, or supporting it in any way.

The executive committee was instructed to prepare a plan for giving the Institute and the activities publicity both among the undergraduates and the graduates. The only expense attached to the organization will be that of ordinary running expenses such as the purchase and upkeep of the undergraduate files.

The next meeting of the Committee will be January 29th. Every activity wishing to enter the organization is asked to send two authorized representatives at that time.

A meeting of the finance committee consisting of the chairman elected by the Institute committee, and the treasurers of all the various classes and activities and these alumni members, was held yesterday at five o'clock. General finances of the whole school were discussed.

STUDENTS HAVING DEPOSITS CAN CASH CHECKS AT 10-100

To the many students at the Institute who have presented personal checks at the Bursar's office to be cashed the disappointing answer of "No personal checks cashed here," was given.

The reason for this surprising step lies in the fact that the Institute was losing money through its indiscriminate cashing of personal checks. The sum of \$700 was lost while this practice was in effect and of course this considerable deficit could not be ignored. Hence the refusal. Much of the losses was due to the carelessness of the fellows, many of them overdrawing their accounts and then leaving the Institute when all trace of them was lost.

In order to alleviate the wants of those who wish to get their checks cashed a system has been devised whereby a student can deposit his cheque at the "Little Bank" which is under the supervision of the Bursar's office, and withdraw money as his needs demand.

A DISTINGUISHED VISITOR INSPECTS THE INSTITUTE

Dr. Etienne Burnet, member of the French Educational Commission now visiting this country, spent two hours on Wednesday afternoon inspecting the Institute laboratories under the guidance of Professor Sedgwick.

Dr. Burnet is a member of the Staff of the famous Pasteur Institute in Paris, and is himself a Bacteriologist. Like most foreigners who visit the Institute for the first time, Dr. Burnet was amazed at the extent and completeness of the Institute Buildings and equipment, and expressed himself as particularly pleased with the simple yet effective architecture and the obvious adaptation of each portion to the purpose for which it is used.

Dr. Burnet also paid his respects to President Maclaurin and on leaving expressed his intense admiration for the Institute and his regret that France has no institution closely resembling that of ours.

RECORD REGISTRATION THIS YEAR

The final results of this term's registration are now in. The grand total amounts to a round 1900. This registration, which includes only three classes—the freshman, Sophomores, and Juniors, is larger than any previous registration, according to Mr. F. W. Jackson of the information office. It is expected that next term when a new freshman class registers, the number of students at the Institute will reach the 2500 mark.

MARCH 7

CHRISTMAS COMES
BUT ONCE A YEAR SO
DOES MARCH 7TH.

HOCKEY DUEL WILL BE STAGED TODAY

Atkinson and Runkle Will Whack at Each Other's Shins In Effort to Uphold Honor. McNeil Formerly On Arena Team To Star

EVENTS STAGED FOR 1:30

Atkinson and Runkle have at last decided to have the much talked of hockey game. This afternoon at 1:30 the weather and ice permitting, is the time set for the contest. General consensus of opinion around the dorms is that the game promises to be as lively as it will be interesting, since there is great rivalry between the two houses, and also as there is at least one star on each team. Beside this fact Atkinson has to live up her reputation of never having been beaten in hockey.

ALL HAIL! THE VOO DOO!

Technology's Comic Paper Again Comes Into Limelight Under New Name

Now that the S. A. T. C. has ceased to furnish amusement for the student body, the Voo Doo will undertake to fill the position in the undergraduate life at the Institute which was formerly held by the Woop Garoo. That this is an aim worth striving for, is well realized by every man who was at Technology last year, and since the Voo Doo is an offspring of the Woop Garoo and the Technology Monthly, run by the combined Boards with the same ideals in mind which were set forth in the former publication, it is expected that the magazine will come up to the highest expectations of everybody.

Probably one-half of the student body knows nothing of the Voo Doo; so a word of explanation is necessary. The magazine is of the type of Life, filled with cuts and cartoons illustrating the humorous side of Institute life and incidentally making the more serious questions look brighter. It also contains many jokes and short articles pertaining to the current topics of interest, and may well be called a cosmopolitan publication in that it tries not to slight anybody or anything.

Competitions are open in all departments, and no discriminations will be made as to gender. Being practically a new magazine, there are abundant opportunities for those who are willing to work, and who show ability; and a square deal is guaranteed everyone. A list of the names of all the competitors will be printed in THE TECH within the next week, and it is hoped that the co-eds will be well represented. The Board assures them a most hearty welcome.

The magazine is composed of six departments: editorial, business, advertising, art, circulation, and publicity; so there is ample range for people of all types to exercise their talents. The editorial staff handles all the stories, jokes, etc., and is responsible for the makeup of the page. The other departments explain themselves.

The Voo Doo office is at present located on the second floor of the student activities building, but will be moved to the Walker Memorial by the first of February. All men and women who

(Continued on page 3)

DORR IS RE-ELECTED.

At a meeting of the Cross-Country Team held Thursday noon, Herbert R. Dorr, 19, was re-elected captain for the season of 1919. Dorr has been a member of the cross-country team for three years and has done splendid work. He was the first Tech. man to place in the A. A. U. Cross-Country Meet held in Franklin Park last fall which was the only inter-collegiate meet held during the season. Dorr has been very active in track and it was mainly through his efforts that cross-country was kept alive during the S. A. T. C.

McNeil who made his name well-known among hockey fans by playing center and last year's team at the Boston Arena will shine at his old position on The Runkle team. Breed who played goal last year for Williams College will be depended upon by Atkinson to keep Runkle from scoring. The above mentioned are the stars; but there are several other experienced players on both teams. Among these on the Runkle side are Christoph who is managing the affair for his house and Mayor who won his letter at Horace Mann in New York City. Atkinson stalwarts are—Morton who played last year for Kent School and Taylor who is managing Atkinson's side of the matter.

If the ice is good both managers expressed the opinion that the game will be very fast and they would like to have as many fellows as possible especially, those who live in the dorms to come down to encourage the first attempt of the season to promote inter-dorm activities.

The following line-ups are not complete and are subject to revision:—

Atkinson	Runkle
Breed, goal	goal, Reed
Perry, point	point, Googan
Morton, cover point	cover point, Maxim
Taylor, rover	rover, Christof
Kochler, center	center, McNeil
Bard, r. wing	r. wing, Mayer
Van Gieson, l. wing	l. wing, Harris
Subs—Jenkins, Bond.	Subs—Powers, Leshure

GLEE CLUB MEETING HELD LAST THURSDAY

General Manager Carr announced at the Thursday evening rehearsal of the Glee Club that all deposits by members of the club must be in by Thursday, January 13, or the men will be dropped from their positions. These deposits are of \$5.00 each, fifty cents being taken away for each time a member is absent. It was also announced that all candidates for assistant manager should consult notices posted on the door of the Musiel Clubs' office.

The first concert is arranged for Tuesday, February 4 at the Franklin Square House on the corner of East Newton and Washington streets, and not February 3 as heretofore announced.

CALENDER

Saturday, January 18.

Atkinson vs. Runkle, Charles River at 3.

Meeting of Latin-American Club at 1 in Room 2-190.

Monday, January 20.

Banjo club rehearsal at 5, Room 10-275.

Civil Engineering Society nominations due at 5.

Technique meetings at 5, Technique Office.

Meeting of Voo Doo candidates at 5 in Voo Doo office, Activities building.

Tuesday, January 21

Meeting of all news men for THE TECH at 5, Tech Office.

Wednesday, January 22

Banjo club rehearsal at 5, Room 10-275.

The Tech

Established 1881

Published twice a week throughout the year by the students of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Entered as second-class matter, September 16, 1911, at the Post Office at Boston, Mass., under the act of Congress of March 3, 1879. Acceptance for mailing at special rate of postage provided for in Section 1103, Act of October 3, 1917, authorized on July 19, 1918.

MANAGING BOARD

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

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E. Etherington, '20

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F. W. Adams, '21

E. A. Ash, '22

Assistants.

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H. C. Gayley, '22

Photographic Editor

P. E. Guckes, '21

Sporting Editor.

J. H. Coyle, '20

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H. F. Hedberg, '20

R. C. Geckler, '22

Photographic Department.

R. H. Peene, '22

Sporting Department

E. N. May, '22

Subscription \$1.50 for 53 issues, in advance. Single copies three cents. Subscriptions within the Boston Postal District or outside the United States must be accompanied by postage at the rate of one cent a copy. Issues mailed to all other points without extra charge.

Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. THE TECH assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

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 '22 Night Editor
Henry C. Gayley '22 Asst. Night Editor

SATURDAY, JANUARY 18, 1919

HANDS OFF.

SEVERAL posters have been stolen from the bulletin boards in the past week. Students have found that they are quite desirable as decorations for their rooms, and have assumed the right to appropriate them. In one case a Tech Show poster was removed before the event took place. Material placed on the bulletin boards is the property of the activity or society that placed it there, and common decency should prevent any one from stealing them. Moreover, in a college where men are training to assume responsible positions in society, honesty of the strictest kind is absolutely necessary. A man who will continue to lower himself to such practices is not fit material for an engineer. These posters are usually constructed so that they can be used more than once, and they usually represent considerable work on the part of the designer. Moral: Hands off the bulletin boards.

MEDICAL ADVISER.

A COMMITTEE was appointed at the Institute Committee meeting on Tuesday to prepare and present a budget for the Student Tax to be assessed during the present term. Among the various items included in the Student Tax is the matter of an Institute doctor.

The "Health Insurance" fee allowed \$1.00 per student for a thirty week year. This totals about \$35.00 per week and the Committee finds it impossible to secure the services of an experienced doctor to spend any large part of his time at the Institute. The Committee does not feel that it would be fair to the students to assess them more than their regular pro-rata fee for the number but three alternatives:—first to secure an inexperienced doctor to spend all of his time at the Institute second, to secure a doctor who is fully capable of rendering the best possible service, but who could only spend a few hours a week at the Institute,—or third, to find one who will spend certain hours every day at the Institute, and who at the same time is able to care for practically all of the cases which may arise. In the first case, we would have a "first aid" doctor who would have time to give treatments, etc. However we could not rely entirely upon his judgment in serious cases. In the second, we could rest entirely assured that the advice rendered was reliable, but in the time that he would give, he could give no treatment. In the third case, we would have, for a few hours each day, a doctor who could render all simple treatments which might demand his attention and at the same time could give reliable advice on any case which would come up. He would not be able to care for chronic illnesses,—he would not be able to give any extensive care to any one of us, but we could all rest assured that we could drop in when we feel wrong and we could depend upon him to tell us whether we need a little medical care which he can administer, or whether we need immediate and careful attention.

This matter must rest entirely with the student body and any opinions which any individual may have should be addressed to George Burt, care of Technique, 1920. These communications may be dropped in any of the Institute Mail Boxes without stamps.

PERSONALS

First Lieutenant Herbert W. Hall '12, 44th Artillery, Coast Artillery Corps, was cited for extraordinary heroism in action near Thiaucourt, France, on September 27, 1918. Lieutenant Hall was in charge of a train-load of ammunition being sent to two eight-inch howitzer batteries in active operation against the enemy. Finding that part of the light railway track had been destroyed by enemy shell fire, he secured a detail of men under an Engineer officer and worked with them to repair the track. When the Engineer officer was killed by an exploding shell, Lieutenant Hall assumed full charge and continued the work under heavy shell fire, showing utter disregard for personal danger and inspiring confidence in men by his calmness, decision and courage.

Lieutenant Hall was a member of the Class of 1912 and was registered in Course IV.

Fred D. Mendenhall, first lieutenant, Seventh Engineers, was awarded the Distinguished Service Cross for extraordinary heroism in action near Cune, France, Oct. 20, 1918. Although his platoon was constantly under heavy shell and machine-gun fire, Lieutenant Mendenhall courageously directed the wiring of an extreme northern outpost line of infantry on Oct. 20, 1918. On the night of Oct. 10, 1918, he skillfully directed the construction of a pontoon bridge over the Loison River. So close to the enemy was his platoon that it was necessary to lash the bridge together, because the hammering of nails drew instant machine-gun fire from the enemy.

A. Blakeley Smith who graduated from the Institute with the class of 1893 is to succeed Professor Rexford G. Tugwell (University of Washington) as Business Manager of the American University Union in Europe. It is expected that Mr. Smith will sail for Europe during the coming week.

LETTER RECEIVED FROM MALCOLM H. SMITH '18

A letter was received from Malcolm

H. Smith '18, who is a Radio Sergeant, N. C. Staff, 61st Artillery, Coast Artillery Corps, France, which follows:

THE TECH,
Cambridge, Mass.
Dear Sirs:—A few days ago I received the November issues of THE TECH. According to a bulletin from the Paris Technology Bureau, these are sent direct from your office, so I wish to let you know that they reached their destination all right. They are the first I have seen for quite a long time, and I am enjoying them very much.

It is very good to hear about the doings of the Institute, and especially good as there is no other Technology man in the regt. I have never been able to get to Paris and see anyone at the club there. Therefore to receive news of the Institute, in a small town in France, seems pretty good. Thanking you very much, I remain,

Yours truly,
Malcolm H. Smith, VI, '18.

ALUMNI VISIT AUXILIARY

Among the visitors who have been at the headquarters of the Auxiliary in the Rogers Building since December 15, 1918, are:

Major H. C. Williamson '17; Captain Dudley Clapp '10; Lieutenant Franklin Kline '18; 2d Lieutenant Ross E. Goddard '19; Captain Alden Waitt '15; Ensign Isidor Richmond '16; Lieutenant Jay Cather, '12; Lieutenant Wm. P. Ryan '18; Lieutenant Edward H. Clarkson '16; Lieutenant A. P. Dunham '17; Lieutenant Georgius Cannon '18; Lieutenant Clarece M. Ellis '18; Ensign Lester N. Woodland '18; Lieutenant Charles W. Lawrence, Jr. '16; Major Z. B. Adams '97; Lieutenant Donald des Granges '14; Lieutenant Roswell F. Barratt, U. S. N. '14; Captain Enos W. Curtin '18.

If anyone has information concerning Henri Antoine de Bonneval, '19, who left school in June, 1917, and enlisted in the French Army will they please communicate the same to the Military Editor of THE TECH.

OUR MEN PLAY BIG PART IN GAS SERVICE

Mayor M. L. Emerson, In Charge of Administration Section, Sends Letter Telling of This Service

TECHNOLOGY HAS 39 OFFICERS

Technology's part in the gas offense service of which Colonel Walker is the head and which was told in a story on "Toxic Gases" printed in the issue of THE TECH for Saturday, December 28, is more than duplicated in the gas defense branch of the chemical warfare service, according to a communication from Major M. L. Emerson written with the approval of Colonel F. A. Dewey '09. Besides telling the story of the gas defense service, he states that of the seven sections into which the Division was divided, three of them were headed by Technology men in addition to the officer and assistant officer in charge. Connected with the work were a total of 65 Technology men, 39 of whom were commissioned officers.

The communication from Major Emerson follows:

"Chemical Warfare is by no means confined to the offensive use of toxic gases; in fact, no army could use toxic gases unless it was itself protected against them. The defensive side is as vital to the prosecution of Chemical Warfare as is the offensive. There are few who have not heard of the Gas Mask, or Box Respirator, as it is officially called. Perhaps not so many know of the Horse Mask, and possibly still fewer are familiar with sag paste and oiled suits, both of the latter being used in the field as protection against "Mustard Oil." Certain other miscellaneous articles are required for defense in Chemical Warfare, but they are of minor importance. Both the toxic chemicals and the defensive articles were being used in larger and larger quantities each month as the war went on.

The gas defense work of the U. S. Army is conducted by the Gas Defense Division, a branch of the Chemical Warfare Service. An Institute man, Bradley Dewey, '09, is Chief of the Gas Defense Division, with the rank of Colonel, to which he rose from Captain in the Ordnance Reserve Corps. Col. Dewey took up gas defense work the month war was declared and has been in charge of defensive production ever since. His organization consisted of himself and one other man on the 1st of July, 1917; in November, 1918 it men and 13,000 civilian employees of the Gas Defense Division of the Army. In addition 25,000 factory hands were required to carry on the entire work, these being employed by the concerns under contract to the Gas Defense Division.

United States Played Big Part

That the work has been well done and quickly is demonstrated by the recent announcement of a high war department official who made it known that in November, 1918, the only military equipment in France of 100 per cent American origin was that supplied by the gas defense division; everything else had been obtained in part from French or British sources. At the time the armistice was signed, over five and one-half million Gas Masks had been produced, under conditions of scientific control that are ordinarily obtained only in the laboratory.

"No mask was ever passed for shipment by the Gas Defense Division that any person in the Division was not willing to wear into a concentration of gas rarely equalled in the field. A certain percentage of each day's output, (which by the way, was nearly enough to equip two complete Divisions), was tested in an airtight gas-house. Men donned the masks and entered the gas-house, in which high concentrations of poisonous chemicals, such as phosgene, chlorpicrin, diphenylchlorarsine, etc., were created. They remained until the gas began to come through the mask, the time required determining the efficiency of the respirator.

They Turned to Technical Men

"A mask is not a simple thing to make; it employs supplies from the rubber industry, the tin plate industry, the canvas, sail cloth, elastic tape looms of the country, small metal parts, the glass business, cosmetic busi-

ness, etc. That the Division, however, was able to accomplish what it did, was due at least in measure to the number of Technology men connected with it from the outset. Three former general managers of the Tech Show are Majors in the Gas Defense. All the men, largely from the Chemical Engineering courses, have entered wholeheartedly."

Technology Gave These

"The following is a list of Technology men in the Gas Defense:

Colonel Bradley Dewey '09; Lt. Col. Charles Almy, Jr. '10; Major F. A. Dewey '10; Major M. L. Emerson '04; Major C. R. Johnson '11; Major J. C. Woodruff '11; Major R. P. Rose '13; Major I. W. Wilson '11; Major Jasper Writing '89; Major T. L. Wheeler '12; Captain K. B. Blake '13; Captain J. R. Bristow '14; Captain W. B. Coburn '11; Captain L. B. Duff '14; Captain W. de Young Kay '13; Captain J. S. Little '15; Captain D. J. McGrath '12; Captain Hamilton Merrill '12; Captain B. E. Schlesinger '01; Captain G. R. Urquhart '15; Captain P. M. Wiswall '09; 1st Lieut. R. J. Howe '16; 1st Lieut. M. W. Colebrook '12; 1st Lieut. Jos. C. Fuller '11; 1st Lieut. H. P. Gurney '08; 1st Lieut. H. E. Howlett '13; 1st Lieut. H. W. Mack '15; 1st Lieut. O. Mahlman '16; 1st Lieut. W. I. McNeil '17; 1st Lieut. H. W. Verner '16; 1st Lieut. Dudley Holden '17; 1st Lieut. R. L. Sidelinger '17; 1st Lieut. N. J. Vile '16; 1st Lieut. H. R. Wemple '13; 2nd Lieut. Christopher Fallon '12; 2nd Lieut. Thos. M. Gibbons '18; 2nd Lieut. B. O. Pinkham '18; 2nd Lieut. J. J. Findler; 2nd Lieut. R. S. Stevens '17.

"Among the non-commissioned officers and enlisted men are the following:

Herbert W. Anderson '15; M. D. Pinkham '15; Dexter North '15; Joseph Gargan '17; Robert C. Erb '17; John L. Fuller '18; W. Biggar '18; M. J. Dumit '18; John M. Hood '18; Harold W. Fitch '18; George S. Brewer '18; Nelson C. Chase '18; Walter E. Englebrecht '18; Samuel Rubin, Creighton Stanwood, Lincoln L. Stevenson, Earl E. Gibbins, Robt. H. Montgomery, Russell J. Widdowson, Royal R. Hineckley, Samuel Fine, Edwin D. Hale, Saul A. Hoffman, Harold A. Knapp, Arthur M. McFarland, Harry H. Holden.

"The duties of the eight Technology Majors were as follows:

Major F. A. Dewey was on the Staff in charge of Liaison work.

Major M. L. Emerson was in charge of the Administration Section

Major C. R. Johnson was in charge of the Technical Section.

Major R. P. Rose was in charge of the chemical laboratories.

Major Jasper Whiting represented the Division in the British Liaison Office in London.

Major I. W. Wilson was in charge of carbon manufacture at the Astoria plant.

Major J. C. Woodruff was in charge of the Chemical Manufacturing Development Section.

Major T. L. Wheeler was in charge of the chemical development work at Astoria.

M. E. NOMINATIONS ARE IN

Over 50 per cent of the members of the Junior and Sophomore classes taking Course II were voted in as new members at a meeting of the Mechanical Engineering Society held last Wednesday night. The Vice-President of the Society, Scott Wells, expresses the opinion that in a little while all men taking the mechanical engineering course will have applied for membership. At present the acting-secretary, Mr. Davidson, will receive applications, but cards containing the name, year, and address of the applicant will be received at the information office.

Sophomores and Juniors only are eligible for membership. Kenneth Roman is the acting-treasurer, and dues are payable to him. Mr. M. Patterson '20 is acting-chairman of the committee conducting the nominations. Election of officers for the remainder of the year will be held Wednesday at 5 o'clock in Room 10-275. Only members with their dues paid will be allowed to vote.

The nominations are as follows:
Chairman: Robert D. Patterson; John H. Coyle; H. O. Davidson.
Secretary: F. C. Spooner.
Treasurer: G. I. Brown.
Governing Board: Merrill B. Knox; Kenneth Roman; Richard H. Gee.

CHEMICAL SOCIETY STARTS

The Chemical Society is the third of the professional societies to resume its activity. Like its predecessors, the Electrical and Mechanical Engineering Societies, its first business is to elect officers. Nomination papers were due yesterday, but the final lists were not ready, so that the names could not be published. The elections will be held on Thursday, January 23d, the place to be designated later. The society is well represented, as it has over one hundred and thirty members, both new and old. A large meeting and smoker will be held in about two weeks, the date to be decided by the new board which is elected hursday.

THE TECH announces the election of the following men to fill vacant positions in the News and Circulation Departments:

News Department:—Count B. Capps, '20, Editor; Carl W. Harris '21, Managing Editor; Frederick W. Adams '21, Night Editor; Harrison G. Folinsbee '22, Assistant Night Editor, and Henry C. Gayley '22, Assistant Night Editor.

Circulation Department:—Karl D. Bean '20, Manager of Sales Division; Richard B. Oakes '22, Assistant; George Thomson '21, Manager of Distribution Division; Frederick J. Burt '22 and James W. Remsen '22, Assistants.

EXECUTIVE COMMITTEE OF DORMITORIES MEETS

Plans Made for Dance Which Will Probably Be Held The First of Next Month in Walker Memorial

ATHLETICS ARE DISCUSSED

On the afternoon of Tuesday, January 14th, the Dormitory Executive Committee held its first business meeting. Election of officers first took place. C. H. Reed '20 was elected chairman, while Habler '20 and M. A. Michaels '19 now hold the offices of secretary and treasurer respectively.

Discussion of plans for a dormitory led to the appointment of R. T. Robin as chairman of a dance committee, two other members to be elected from men living in the dormitories. This dance is planned for February 1st, the Walker Memorial, provided that the work of refinishing of the latter is done by that time.

A motion was carried to the effect that last year's house rules be adopted and enforced throughout the coming year. Copies of these regulations have been posted on the bulletin boards of each section.

A dormitory tax of one dollar for the term will be collected by the freshman member of each house committee. The men are requested to pay this nominal fee promptly, for the activities of the dormitories at large are entirely dependent on the contribution of each individual.

Plans for basketball teams and other forms of athletics were discussed. However, definite action on such matters must be postponed until the funds in the treasury permit the necessary expenditures.

ATTENTION SUMMER CAMP MEN

Any man who has exceptionally good pictures which he thinks deserve a place in 1920 Technique, and which were taken this past summer at camp, should hand them in at the Technique office as soon as possible. Mark them "Summer Camp," with your name. PICTURES WILL BE RETURNED.

Prepare baby's food according to the **Mellin's Food** Method of Milk Modification



Send today for our instructive book, "The Care and Feeding of Infants"

also a Free Trial Bottle of Mellin's Food

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ACTIVITIES WILL SOON OCCUPY WALKER MEMORIAL

During the past few days various activities have been assigned rooms in Walker Memorial, which will soon be in use. Although the Naval Aviation Detachment will not actually leave before Feb. 1st, painters have been at work in the various rooms, getting them in shape.

In about a week or ten days, the rooms will be in condition for occupancy. At that time the activities will have the use of the rooms assigned them. Most of the offices are to be located on the top floor of Walker. On the east side of the building, The Technique, The Voo Doo and THE TECH Administration Office are located, while on the west side are The Tech Show, the Musical Clubs and in the third room, various organizations such as the Tech Orchestra, Institute Committee and the Finance Committee. In the basement of the building are the T. C. A. on the east side and THE TECH news room on the west. By the middle of February at the latest, Walker Memorial will be serving the purpose for which it was erected, namely, Student Activities.

Contrary to persistent rumors of the past few days, Bursar Ford stated today that the Naval Aviation recreation room will not be held for the use of the students. Orders have been given to sell the furnishings, etc., and in all probability the building will be torn down. The reasons given for this are that the cost of purchasing the building for student use is relatively small when compared with the cost of maintenance, such as heating, etc., during the winter months, and also the floor is so badly worn by use and weather conditions as to make it unfit for dancing, which was one of the uses suggested. As Walker Memorial will soon be ready for occupancy, the need of a place for activities is eliminated.

BANJO CLUB PUBLISHES LIST OF CANDIDATES

Last Wednesday night the final try-out of candidates for members on the Banjo Club was held, and the list of successful men made out. A great many more men than were expected turned out thus permitting greater freedom of choice, and insuring that the best men possible were obtained for the different positions. Rehearsals are held Monday and Wednesday nights at 5 p. m. in room 10-275.

Following is the list of the successful candidates and their positions.

First Banjo—R. M. Blood, M. S. Burroughs, M. Knox.

Second Banjo—W. Adams, R. I. Bradley, J. F. Chambers, H. A. Gray, F. J. Horgan, W. Horlick, A. L. Silver, G. A. Woodward.

Third Banjo—J. R. Bartholemew, L. B. Bugbee, A. S. Houghton, H. L. Landis, H. L. Levin, J. L. Liecky, S. B. Neiley, F. E. Sheperd.

Miscellaneous—Banjo Ukelele, O. F. Neitzke; Cello, L. Weinberg; Cornet, G. E. Farmer; Drums, E. J. Thimme; Flute, Piano, D. Minton; Saxophone, A. E. Biolins, W. T. Hadlund, D. Tomkin, F. Walton.

CIVIL ENGINEERING SOCIETY MEETS ON WEDNESDAY

An informal meeting of the Civil Engineering Society was held on Wednesday night. As a result of the meeting, Howes, Grover and Glassett were elected to take charge of the coming elections for the offices that are vacant. These include a President, a Vice-President, a Treasurer, an Assistant Treasurer, a Secretary and one man for the Executive Committee. It has been announced that although no date has been set for these elections, nominations for these offices, signed by at least five men, should be handed to one of the three men whose names appear above, before 5 P. M. on Monday, January 20. All those who run for an office must be of the Junior Class, but all men of this Society are eligible to vote, the only condition being that those who vote must sign their name to the ballot signifying that they intend to join the Society.

SWIMMERS ARE PICKED

Freshman Captain and Manager Elected—Meets Announced

Sidney M. Biddell '22 was elected captain and A. F. Robertson '22 was elected manager of the freshman team at a meeting held at one o'clock.

The competition for varsity assistant manager is very keen, and the following are trying out for this position: J. H. Flather '22, R. C. Geckler '22, Perry '22, and M. Morgan '22. Another important addition to the swimming team is C. W. Scranton 19, who has just returned to the Institute after being in the service. He was on the swimming relay team in 1917, and defeated Max Untersee and S. M. Biddell '22 in the New England Amateur Athletic Union meet last year. The following engagements have been announced by Manager McKay: the freshman team will meet Andover on Saturday, February 1st, the varsity will meet Yale on Wednesday, February 12th, and the second will meet Annapolis on Saturday, February 15th. The manager also contemplates engagements with Princeton, Pennsylvania State College, and Rutgers in the near future. The composition of the varsity, second, and freshman teams will be given out later.

The following men have been retained on the swimming team, according to Manager McKay: H. D. Armington '22, R. J. Bard '22, R. W. Barker '21, S. M. Biddell '22, J. H. Chadbourn, Jr. '22, H. S. Colton 21, G. H. Cutter '20, R. E. Ferdinand '21, H. C. Fish '22, W. C. Foster '18, E. I. Gallagher '22, C. D. Greene 21, J. B. Heaton '21, A. L. Johnson '22, S. D. Leland '22, F. Miles Jr. '22, F. J. O'Daly, Jr. '22, F. C. Paul '22, W. B. Purinton '22, F. J. Ranlett Jr. '22, I. H. Rogovin '22, C. J. Rudderham '22, S. Schenberg '20, Scott '22, Scranton '22, R. L. Skinner '20, Robinson '22, M. Untersee and W. H. Young '21. Max Untersee is Captain of the varsity, and C. D. Green is the vice-captain.

NAVY MEN MUST DRILL

Letter Received Says They Must Conform to Institute Requirements

Since their discharge from active duty men of the Naval Reserve Force have been puzzled as to their status in regard to military drill. It has now been definitely decided that these men, while not officially enrolling in the R. O. T. C. will be allowed to drill with that unit in accordance with the requirements of the Institute for regular civilian students. The following letter from Headquarters, First Naval District makes this point clear:

First Naval District, Office of the Commandant, The Little Bldg., Boston, Mass.
Dr. Richard C. MacLaurin, Mass. Institute of Technology, Cambridge, Mass.

Dear Dr. MacLaurin:
I received your letter of December 31st in regard to military drill for members of the Naval Reserve Force.

In order that there might be no question in this matter, I referred it to the Bureau of Navigation with the information that I shared your views in regard to military instructions. I have now received word from the Bureau of Navigation to the effect that Naval Reservists on inactive duty may be required by the college authorities to conform to the military instructions and drill requirements of the institution for its civilian students. They will, of course, be unable to officially join the Reserve Officers' Training Corps while enrolled in the Naval Reserve Force, but they can drill with members of that Corps.

This, I believe settles the matter to your satisfaction.

Very truly yours,
(Signed) SPENCER S. WOOD, Rear Admiral, U. S. N.

VOO DOO STARTS.

(Continued from page 1)

have already signified their intentions of trying out for positions on the board as well as those who wish to enter the competitions are requested to meet in the Voo Doo office at 5 P. M. Monday, January 20, and bring along any contribution they may already have to offer.

The experience gained in working on such a publication as this will be of great value to the person concerned, and this statement holds true with reference to all other activities at the Institute. The Voo Doo is an organ which reaches more of the undergraduate body than any other student publication of Technology, because it has the largest undergraduate circulation. The first edition will appear about the middle of February. It's going to be a success. How much of this will be due to your efforts?

TECHNIQUE 1920 IS GETTING UNDER WAY

New Men Are Appointed To Board

The Technique 1920 Board wishes to announce that David Fiske has been elected Portfolio Editor; Robert Pender, Athletic Editor; Theodorico Quiros, Art Editor, and Charles Wilson as an Assistant Art Editor. The work of gathering together the material for the 1919 portfolio and preparing it for the printers is already under way. The large majority of the pictures were collected during the past summer, and although it will be very difficult to collect the material from those who have left school, Mr. Fiske expects to make the portfolio complete in every detail.

Practically nothing has been done in the compiling of athletic information and it will be necessary to call on the entire student body to give their assistance in collecting the necessary data, pictures, etc., to make this department complete. Any pictures of athletic meets, individual athletes, or of the various teams which have been at the Institute since last April, are desired by the Board. These should be turned in to the athletic editor as soon as possible.

The Art Editor was selected from the two assistant Art Editors of last year, by a committee composed of Professors Gardner, Cram and Brown. An art competition will be conducted within a few days for the remaining Junior and Sophomore Assistant Art Editors. The exact details of this competition will be given out by the new Art Editor.

The matter of the binding of Technique, 1920 was brought up at the meeting and it was decided that with the co-operation of the undergraduates in the sign-up campaign which will be held next spring, Technique, 1920 can be published with a leather binding. Since about 200 subscriptions have already been sold to the Class of 1919, and if 200 more can be sold to the undergraduates, then the leather binding can be obtained.

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DRILL NEXT WEEK.

(Continued from page 1)

third year men will not drop this work, for it will not only qualify them for commission in the Officers' Reserve, but will be of great value to them in civil life. Men desiring to enroll for any of the advanced courses may do so on the basis of two hours a week with the privilege of withdrawing should the number of hours be increased. Further information may be had at the office of the Military Science Department. Details will be posted from time to time on the Military Science bulletin.

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After January 27th, a quantity of Steel Lockers, Office Furniture, including Desks, Chairs, Bookcases, etc., Classroom furniture, including Tablet Arm-chairs, Desks, Portable Blackboards, etc., will be available—also any of the buildings, building fixtures, heating and lighting fixtures, sanitary and plumbing fixtures of all the frame buildings now occupied by the Naval Aviation Detachment.

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CITATION AND HONOR LISTS ARE COMPLETED

Two lists have been sent in to THE TECH by the War Service Auxiliary, which were both compiled by them. The first gives a list of citations received by Tech men, the second the complete honor list. Further changes in this list will be published in THE TECH as they are received and confirmed by the auxiliary.

Angell, C. M. 1st Lt., Air Service. Received Croix de Guerre. Killed in fall of plane, May 14, 1918.

Belcher, Donald '16. Driver, Ambulance. Won Croix de Guerre.

Bigelow, Edmund C. S. '20. Red Cross. Received Croix de Guerre May 31, 1918.

Brooks, Arthur Raymond '17. 2d Lt. Air Service. Awarded the Distinguished Service Cross by General Pershing for gallantry in an air battle, Sept. 14, 1918.

Collins, Arthur Edgar G. '14. Lt. Royal Engrs., B. E. F. Recommended for Military Cross, for bravery near Havincourt, Nov. 30, 1917.

Derby, Henry S. '19. Corp. 101st F. A. Cited by General Edwards for bravery and especially meritorious service in action against the enemy on May, 1918.

Emerson, W. K. B., Jr. '20. 2d Lt. F. A. Formerly in the Ambulance Service. Received French War Cross, January, 1918. Killed in airplane accident May 14, 1918 in France while serving as an artillery observer with a French Escadrille.

Fallon, Nugent '06. Lt. U. S. N. R. F. C. Recommended for the Distinguished Service Cross for gallantry in assisting a wounded companion to land safely, by the British Govt. on March 12, 1918.

Feland, Logan '92. Lt.-Col., Marine Cps. Awarded the Distinguished Service Cross for gallantry at Bois de Belleau, June, 1918.

Gunn, Selskar M. '05. Capt., Red Cross. Made a Knight of the Legion of Honor, January 2, 1919.

Johnston, Norwood P., '19. Ambulance Service. Awarded the Croix de Guerre in 1917. Now in School of Military Aeronautics, Cornell Univ., Ithaca, N. Y.

Kenney, George C. '11. 1st Lt. Air Service. Decorated for heroism in action near Jametz, France, October 9, 1918.

Kingsbury, Chester L. '18. Corp. 101st Engrs. Won Croix de Guerre, March, 1918 for bravery in action.

Leavell, John H. '07. Capt., 316th Engrs. Received the Distinguished Service Cross for extraordinary heroism at Audenarde, Belgium, Nov. 1, 1918.

Lowell, Guy '94. Major, Red Cross. Italian Commission, received Italian Military Medal March, 1918. "Officer of the Crown of Italy."

McKay, George Lewis '14. Master Engr., Senior Grade Engrs. Received Croix de Guerre. Missing in action

April 17, 1918, while blowing up an enemy trench.

MacKenzie, John D. '11. Lt., 185th Cape Breton Highlanders, B. E. F. Awarded the Military Cross for "Gallantry. Lead D Co. after its C. O. had become a casualty at Amiens." August, 1918.

MacLeod, Norman D. '14. Major, F. A. Awarded Distinguished Service Cross for extraordinary heroism in action at Marcheville, France. Sept. 26, 1918.

McRae, Donald M. '16. Major, 79th Inf. Awarded French Legion of Honor Cross and was recommended five times for the British Military Cross which he received in London while recovering from a hand-grenade wound.

Mendenhall, Fred D. '14. 1st Lt., 7th Engrs. Awarded the Distinguished Service Cross for extraordinary heroism near Cunel, France, October, 1918.

Murphy, William H. '12. 2d Lt., 104th Inf. Received Croix de Guerre in March, 1918.

Page, Kenneth B. '20. Pvt., Med. Cps. Won Croix de Guerre, March, 1918. Received Distinguished Service Cross in July, 1918.

Payne, Karl C. '19. Lt., Air Service. Reported missing in action Nov. 5, 1918. Given the Distinguished Service Cross for exceptional daring and bravery in action on Sept. 6, 1918. Was a prisoner at Karlsruhe from which he escaped.

Poand, W. B. '90. Belgian Relief. Received Cross of Legion of Honor from the President of France.

Rideout, Percy A. '11. 2d Lt., Engrs. Killed in action. Awarded the Distinguished Service Cross for extraordinary bravery in action at Clerges, France, October 4, 1918.

Sprague, William G. '16. Ensign, U. S. N. R. F. C. Won Croix de Guerre which was presented at his grave. Killed in a landing accident after attacking an enemy submarine off Ile Tudy, Finistere, Oct. 26, 1918.

Stewart, Alan E. '14. Capt., Canadian Art., B. E. F. Received Military Cross.

Stuart, Kimberly '19. Ensign, U. S. N. R. F. C. Ambulance Service when received Croix de Guerre, March, 1917. Now with U. S. Naval Aviation, Foreign Service.

Taylor, Paul H. '14. 1st Lt., Ord. Dept. His work in Mobile Repair Dept. has won high official praise for executive work. Sept., 1918.

Tyler, John C. '17. 1st Lt., Air Service. Received certificate of citation for courageousness in downing enemy plane. Either missing or killed in action. No further confirmation as yet.

Wallis, James E. Jr. '17. Capt. Air Service. Awarded the Distinguished Service Cross for exceptional bravery in region of Metz, Sept. 13, 1918.

Warner, Donald D. '18. 1st Lt., Air Service. Awarded the Distinguished Service Cross, Oct. 29, 1918. Wounded

Whelton, Francis R. '21. 2d Lt., Infantry. Won Croix de Guerre for bravery in action, July 7, 1918.

White, James M. '14. Lt., Ambu-

lance. Won Croix de Guerre. Now with 116th Engrs., A. E. F.

Winslow, C. E. A. '98. Major, Red Cross. Commission to Russia. Received medal for distinguished public service, January, 1918. Returned home. Wooten, James C. '18. 2d Lt., Air Service. Received the Cross of the Legion of Honor. Killed in action August 3, 1918.

Honor List
Vignal, Paul Gautier '15. January 26, 1915. Killed in action in France.
Weeks, Kenneth '12. June 11, 1915. Killed in action. Foreign Legion in France.

Lamy, Henry '13. September, 1915. Private, 132d Inf., 28th Co., Army of the French Republic. Had been wounded in action.

Cross, Charles R. Jr. '02. October 5, 1915. Ambulance Service.

Tillard, Thomas A. '09. December 6, 1916. Royal Flying Corps. Killed in an aeroplane accident.

Tovey, Henry Oliver '18. March 22, 1917. Ensign, U. S. N. U. S. S. Maine. Lost at Sea off Cape Cruise.

Lewis, Henry F. '05. April 12, 1917. Lieut., 100th Bn., Canadian Forces Wounded and captured in battle of Vimy Ridge. Died same day in Bavarian Field Hospital.

Heuter, Royal Robbins '06. May 5, 1917. 1st Lt. Killed in motor accident before his departure for Plattsburg.

Robertson, Harry A. '10. May 11, 1917. 1st Lt. Inf., Canadian Forces. Killed in action.

Higgins, Edward E. '86. June 20, 1917. Ensign. Coast Defense of Conn. Died from overwork.

Bigelow, Braxton '10. July 23, 1917. Capt. 170th F. A., British Army. Killed in action.

Mason, Eric Wier '14. August 12, 1917. 1st Lt., Siege Art., British Army. Died of wounds.

Souther, Henry '87. August 15, 1917. Asst. Chf., Div. Aviation. Died at Fort Monroe after surgical operation.

Cobb, M. E. '87. August, 1917. Capt. Q. M. Section, Res. Cps. Accidental discharge of revolver, Boston, Mass.

Clarke, James P. '15. October, 1917. Capt. U. S. A. Died at Camp Bowie, Texas.

Breck, Francis Pratt '20. November 6, 1917. U. S. N. Died at the U. S. Naval Hospital, Newport, R. I. of measles and pneumonia.

Gaillac, Emile B. '18. November 7, 1917. Private, 101st Engrs. Died in France of bronchial pneumonia.

Eastman, W. Jr. '18. November 8, 1917. Instr. Army Sch., Mil. Aero., M. I. T. Death by accident.

Holliday, John H. Jr. '05. December 23, 1917. 1st Lt. Design Section Gun

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Div., Ord. Dept. Died at the Georgetown Hospital, Washington, D. C., of pneumonia.

Bryant, Chauncey Davis '14. January 14, 1918. Private E. Co., 101st Engrs., A. E. F. Died of ptomaine poisoning in France.

Schroeder, Fred E. '18. January 14, 1918. Private, 23rd Rgt. Engrs. Died of disease, Camp Meade, Md.

(Owing to lack of space in this issue the remainder of the honor list will be printed at a later date.)

TECH SHOW NOTES.

Freshmen wishing to enter the competition for Freshman Assistant Business Manager of Tech Show, can meet the Business Manager in the Tech Show office on Monday at 5 o'clock. New men will start on the same basis as the men already out.

CORRECTION.

Due to error in the publication of Saturday, January 11, the above men were designated as being members of class of 1897 and should have been corrected.

Robins, William P. '94. IV. 1st Lieut., Army War College, Washington, D. C.

Sheafe, Harry J. '95. III. Capt., U. S. R., A. E. F. Engrs. Service.

Stork, William B., '95. II. Lt. j. g. Joint Merchant Vessel Dept. Boston Navy Yard.

Stugis, Russell, '95. X. Capt., San. Cps. Food and Nutrition. Chattanooga, Tenn.

Wiggin, Thomas H. '5. I. Major, of Engrs. France. Working in connection with water supply problems for new U. S. Camps.

Wolfe, John C. '95. II. Capt., E. O. R. C.

Whiteside, George S., Dr. '95. V. Asst. Surgeon, Med. R. C. of Navy.

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The Dining Service at Walker Memorial was opened September 4, 1917.

Since then, over one million, three hundred thousand (1,300,000) meals have been served—mostly to Army and Navy Aviation Cadets.

As many as four thousand six hundred (4,600) have been cared for in one day.

The kitchens, service rooms, as well as the preparation and handling of food, have been repeatedly inspected by medical officers of both services.

Their reports have been uniformly favorable.

The number of casualties among the diners has been insignificant.

All of which, though mildly interesting, is preliminary.

On Monday, January 20th, with the departure of the last Company in the Naval Aviation Detachment, the dining service in this building will be exclusively for M. I. T. students and other persons connected with the Institute.

This is what the Alumni and other donors of the building intended.

Its only excuse for existence is to provide clean, wholesome food at as moderate a price as possible.

The Main Dining Hall has a seating capacity of six hundred (600).

It is equipped for cafeteria service and designed to handle about twenty (20) men per minute.

If demanded, this service can be tripled on twenty-four hours notice.

The Grill Room with table service is also open to all students and persons connected with the Institute.

It is a convenient and satisfactory place to take your relatives and friends when they visit the Institute.

No college dining service exists without criticism.

There is also criticism when it ceases to exist—as at Yale last week.

It is more than possible that a service which has been entirely satisfactory to officers and men in military and naval service will not prove satisfactory to M. I. T. Students.

Will you, therefore, make it your business to investigate this service and offer what suggestion or criticism you think is necessary. Please consider both the quality and quantity of food—the service and the price.

Do not accept anybody's word for it—investigate YOURSELF.

Here is a sample menu:— Thursday, Jan. 16th, 1919,

BREAKFAST: 40c

Bananas 10c Wheatena or Krumbles 15c Fried eggs 15c
Rye Muffins or bread 5c Coffee, Tea, Cocoa, etc. 5c

LUNCHEON

Tomato soup with rice 15c
Roast Ham with champagne sauce—Delmonico potatoes 30c
Spinach 10c Cold roast veal 30
Pineapple and cheese salad 20c Chicken salad roll 15c
Cheese and pimento sandwich 10c
All pies, cakes, ice creams 10c Tarts 5c Doughnuts 3c
Coffee, Tea, Cocoa, etc. 5c

SUPPER: 40c

Puree of Brown Bean Baked spaghetti Italian
Biscuits or bread Desserts Coffee, tea, cocoa, etc.

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