

VARSITY SWIMMERS MEET MIDDIES TODAY

Team Left Yesterday for Annapolis. Meet Promises To Be One Of The Most Interesting This Season

NO DIVING IS SCHEDULED

The Technology natators left at 3 P.M. yesterday for Annapolis, where they will encounter the U. S. Naval Academy team today in what will probably prove to be the hardest struggle of the season. The Annapolis team was the only opponent who managed to approach the wonderful record which the swimming team has established in the past few years, last year's meet resulting in a tie after several thrilling races. All indications seem to point to another such close meet today. So far this season, the Middies have won their two meets, Lehigh and John Hopkins University.

Captain Gorgin and Gallagher of the Navy team have displayed fine form and are counted upon breaking Technology's winning streak. In the Lehigh Meet which the Navy won 47-6, Captain Gorgin came to the fore in the 40 yd. and 100-yd. swims, turning in times of 40 and 61 seconds, respectively. This time is somewhat faster than Technology's in the meet against Brown as is that of Gallagher's in the 220. However, in the plunge and relay, Technology seems to have the advantage and with Captain Max Untersee '19, Sidney M. Biddell '12, and Charles W. Scranton '21 in near perfect form. The Varsity's Record should be unmarred.

The Navy team will probably enter Captain Gorgin and Lander in the 40-yd. and 100-yd. swims, Gallagher and Gray in the 220, Jones and Peyton in the plunge and Lander, Gorgin, Gallagher and Weed in the relay. No diving even will take place because of the shallowness of the Navy tank. In it's place, is a 40-yd. back stroke swim.

Technology is depending upon C. W. Ceranton and Captain Untersee in the 40-yd. swim. Untersee and Biddell in the 100, Charles D. Green '21, Henry C. Fish '22, Nathaniel J. Greene '22 in the 220 and Isia? H. Rogivan '21 and Thomas O'Daly '22 in the plunge. The relay team is composed of Captain Untersee, Biddell, Seranton, and either N. J. Greene or H. C. Fish with Biddell and C. D. Greene in the 40-yd. back stroke swim.

The meet scheduled with Yale for last Wednesday has been postponed until a later date due to the earliness of the season and the lack of time to allow both teams to get into condition.

TO THE BATH SHIPYARD WORKERS

On February 26, 1919 every Institute man who worked in the shipyards in Bath during the past summer is requested to meet in room 10-275 to discuss plans for a reunion banquet to be held in the near future EVERYBODY BE THERE.

TECHNOLOGY MAKES GOOD SHOWING IN "WHO'S WHO"

Over 50% of Our Faculty Are Represented In The 1918-1919, Book—Many Members of The Corporation Are Also Named

That the members of the faculty and of the corporation of the Massachusetts Institute of Technology are known and respected far beyond the bounds of the Institute is well known by the fact that such a large proportion of them are found worthy of mention in America's list of successful men, the "Who's Who in America." The new volume gives short histories of the men, and their activities which have won them fame. It contains the names of sixty-five members of the faculty. That is fifty-one and three-tenths percent of the faculty. Thirty-nine members of the corporation are also listed.

The volume contains the following names: Professors Comfort A. Adams, Robert P. Bigelow, Charles B. Breed, Alfred E. Burton, Frank W. Chandler, Harry E. Clifford, Ralph A. Cram, William O. Crosby, Charles R. Cross, Louis Derr, Davis R. Dewey, Carrol W. Doten, Frederick P. Emery, Henry E. Fay, William S. Franklin, Augustus H. Gill, Harry M. Goodwin, Selskar M. Gunn, William T. Hall, Heinrich O. Hofman, William Hogvaard, Hector J. Hughes, Dugald C. Jackson, Louis J. Johnson, William A. Johnston, Arthur E. Kennelly, Gaetano Lanza, Frank A. Laws, Waldemar Lindgreen, Charles E. Locke, Lionel S. Marks, Allyn L. Merrill, Edward F. Miller, Forris J. Moore, Samuel R. Mulliken, James F. Norris, Charles L. Norton, Arthur A. Noyes, George A. Osborne, Charles F. Park, Earle B. Phelps, Dwight Porter, Samuel C. Prescott, Robert H. Richards, Arthur G. Robbins, Milton J. Rosenau, Albert Sauver, Peter Schwamb, William T. Sedgwick, Hervey W. Shimer, Herbert L. Smythe, Charles M. Spofford, John O. Sumner, George F. Swain, Henry P. Talbot, Henry W. Tyler, William L. Underwood, William H. Walker, Charles H. Warren, George C. Whipple, Willis R. Whitney, Edwin B. Wilson, Samuel H. Woodbridge, Frederick S. Woods and Homer Albers.

The members of the corporation named are: Richard C. Maclaurin, Al-

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J. G. LEE AND JESSE STAM ARE TECH SHOW AUTHORS

Announcement Made At Second Successful Kommers Smoker—James B. Haviland Boston Playwright, Selected as Coach—Details Of Poster Competition Given Out—Cuts In Staff Made

ALUMNI ASSOCIATION TO HOLD ANNUAL DINNER

March 1st Set As Date—Calvin Coolidge, Pres. Maclaurin, Walker Gordon Merritt and Van Rensselaer Lansingh '98 To Speak

The Alumni association of the Massachusetts Institute of Technology will hold its annual dinner in the Walker Memorial on Saturday evening, March 1st at seven. This indeed is to be an auspicious affair in the year's course of events. The speakers of the evening have already been procured. Calvin Coolidge, Governor of Massachusetts, President Richard C. Maclaurin, Walker Gordon Merritt of New York City and Van Rensselaer Lansingh '98 will address the diners.

The Walker Memorial will be open in the afternoon and the Alumni will have the opportunity of not only seeing but also enjoying the beautiful new Walker. At 5 o'clock a band concert will be held in the gymnasium. Blanks have been sent out to the Alumni and all those desiring to attend should fill these out and send them in to the Alumni Association, Massachusetts Institute of Technology. The price of the tickets is two dollars.

CHEMICAL EN'S GATHER

Hear Professor Lewis Speak On Gas Masks

The first meeting of the Chemical Society held Wednesday evening in the Dorm dining room augured well for the future of the organization and fully one hundred men were present. H. H. Smith, last year's Vice-President opened the meeting. Vice President Smith stated that all arrangements for the Smoker had been made by the new officers as well as trips to various chemical plants. This year there was the greatest enrollment of men taking the chemical courses in the history of the Institute. Smith announced that already two hundred had signed up for membership and more were expected. With its present enrollment the Technology Chemical Society is the largest college professional society in the country. He said that due to this size and prestige, many splendid trips could be arranged to plants where the men could get ideas on how things are done on a manufacturing scale. The Chairman then introduced the first "talker" of the evening, Dr. Talbot.

Dr. Talbot speaking for the instructing staff said that that body realized the worth of the society and was indeed pleased with the successful start it had made. He also went on to point out the real benefit a man taking a chemical course at the Institute would derive from the social intercourse, the speeches and the trips membership in the society offered.

Professor Lewis was the second speaker of the evening and the subject of his discourse was "on gas defense warfare. The text of his speech follows: The first gas to be used was chlorine by the Germans. An excellent protection against this was quickly

(Continued on page 4)

"Now You Stop," the 1919 Tech Show written jointly by Jesse Stam, '19, of New York city and J. G. Lee, '21, of Chicago, Ill., was proclaimed to the world at the second Kommers Smoker held in the Walker Memorial dining room last night. The show which is a musical comedy in three acts will be coached by James B. Haviland, a successful and well-known Boston playwright and producer. It was also stated that it will not be the Show's policy to disclose the plot of the play, as has been the custom in previous years, since it is desired to have the Boston performance more of a surprise than has usually been the case. The smoker which was given primarily for the announcements and to further interest in the production proved a complete success and was attended by a larger crowd than has ever before been present at a Kommers smoker.

The two authors were both connected with "Let 'Er Go," last year's show, Mr. Lee as assistant freshman business manager and Mr. Stam in the capacity of lyric writer. Mr. Lee is assistant business manager of the 1920 Show. Mr. Lee was also connected at one time with the Woop Garoo. The coach, Mr. Haviland, has been connected with theatrical productions for over 20 years, having appeared with his wife in London in several musical comedies and reviews. His work in this country has consisted principally in writing, producing and coaching. He has written and staged acts for Douglas Fairbanks, Macklyn Arbuckle, the late Nat Goodwin, Thomas Wise, Frank Keenan, Chic Dale and many others. Recently Mr. Haviland has done considerable work for the B. F. Keith organization in the way of staging vaudeville acts.

EXPOSED !!!

Dean Burton Divulges Some Heretofore Unknown Facts

Few students know the interesting side of the lives of their teachers, and this is especially true of engineering students. The Institute professors are thought of as mere teaching machines, while, in fact, they hide many an interesting thing which, if commonly known, would make them very much dearer to their students. Our own Dean, whom a number of students know only as a person who notifies unfortunates to appear at his office for various and sundry unpleasant conferences, has taken part in very much more interesting things, and were he not so reticent, could hold us spellbound with the tales of his adventures among the Eskimos, and the dusky Malaysians.

Dean Alfred E. Burton was a college friend of Lieutenant Robert E. Peary in Bowdoin, and they did a lot of exploring together. When Peary made one of his trips North for the purpose of bringing back the famous Cape York meteorites, Professor Burton went along in charge of an expedition to North Greenland to make various scientific studies. The magnetic and pendulum observations which were made under Professor Burton's charge are now considered of the utmost importance. Studies were also made of the region where most of the glaciers are discharged into the ocean. Lieutenant Peary gives an interesting account of the capture of two bear cubs. At one time one of the cubs tried to escape, but Professor Burton "fell upon it in a Greco-Roman embrace" and the affair was arbitrated.

In 1900 Burton organized an expedition to observe a solar eclipse at Washington, Georgia. The party was so successful in its work that another expedition was organized in 1901 to observe a remarkably long eclipse at the Island of Sumatra, where a number of observations were made. After completing the trip around the world, the Dean settled down to the uneventful position that he now holds.

At the smoker, Mr. Haviland outlined the characters of the play and told the story of the first act in order that those who intended trying out for parts might get a general understanding of the relation of the different characters to each other. The cast consists of 10 members including besides the hero and heroine, a baby "vamp," a comedian and comedienne and various parents and friends thus giving a suitable variation of characters for which to select parts.

Men Sign Up For Parts. After Mr. Haviland's talk, those men intending to try out for the cast and chorus signed up for their respective parts. It was then announced that the first rehearsal for the cast would take place on Tuesday, the 18th at 5 and that the first rehearsal of the chorus would be on Wednesday, the 19th at 5. The place for these rehearsals has not yet been decided upon but will be posted on the bulletin boards as soon as possible. All men who wish to come out for the show and who were unable to be present at the smoker should come to the first rehearsals.

(Continued on Page 4)

CALENDAR

- Saturday, February 15**
8.00—Naval Unit dance—Walker Memorial.
- Monday, February 17**
1.00—Meeting of candidates for poster competition of Tech Show—Walker Memorial.
4.00—Meeting of lyric and music competitors of Tech Show—Walker Memorial.
5.00—Glee club rehearsal—Room 10-250.
5.00—Banjo club rehearsal—Room 1-190.
- Tuesday, February 18**
5.00—Meeting of candidates for freshman editorial competition of Technique—Walker Memorial.
5.00—Meeting of M. I. T. A. A.—Room 10-267.
5.00—Cast rehearsal of Tech Show—See bulletin boards.
5.00—Mandolin club rehearsal—Room 1-190.
- Wednesday, February 19**
5.00—Meeting of candidates for Sophomore business competition of Technique—Walker Memorial.
5.00—Chorus rehearsal of Tech Show—See bulletin boards.
5.00—Banjo club rehearsal—Room 1-190.

TECH SHOW'S JOINT AUTHORS



JESSE STAM '19



JOHN G. LEE '21

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.

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Alumni Notes

Announcement is made by Mr. and Mrs. Philip Eberhardt of 248 Gray street, Arlington, of the engagement of their daughter, Miss Eunice Seward Eberhardt, to Ensign Edward Wadsworth Rounds '17, son of Mr. and Mrs. George W. Rounds of Tacoma, Wash. Miss Eberhardt is a member of the class of 1920 at Radcliffe College.

PROFESSOR GUNN RECOMMENDED FOR CROSS

The President of France has recently conferred the Cross of Chevalier of the Legion of Honor on Dr. Selsker Gunn of the Institute, at the recommendation of Andre Tardieu, President of the Council of the Commissariat General des Affaires de Guerre Franco-Americaines. This honor was awarded for his extraordinary services in the fight against tuberculosis. Dr. Gunn was Professor in the department of Biology at the Institute, and is now in France as joint director of the Commission of the Rockefeller Institute for the fight against tuberculosis. The following letter, written to Dr. Gunn by Mr. Tardieu, has just been received.

Par decret du 27 Decembre dernier. M. le President de la Republique. vous a sur ma proposition, confere la Croix de Chevalier de la Legion d'Honneur. Je suis heureux que le Gouvernement de la Republique ait pu ainsi reconnaître les excellents services que vous avez rendus a notre pays en lui apportant le concours de votre devouement pour la lutte contre la tuberculose.

Je me ferai un plaisir de vous remettre moi-meme les insignes de cette distinction.

Veillez agréer, Monsieur, les assurances de ma consideration la plus distinguée.

Andre Tardieu.

CLASS OF 1908 MEET

The Class of 1908 held its regular bi-monthly dinner at the Easton City Club last Tuesday evening. Following the dinner, Captain W. H. Toppau '08, just retired from active service, spoke of his experiences as captain in the artillery in this country and "over there."

Those present were W. H. Toppau, E. F. Wells, S. F. Hatch, S. C. Lyon, B. S. Leslie, C. W. Morrison, E. J. Boede, H. A. Cole, C. W. Clark, H. S. Chandler, P. A. Ester, E. H. Newhall, M. Am. G. W. Belcher, and A. W. Heath.

FRATS LOCATE AFTER TURMOIL OF S. A. T. C.

Due to the unsettled conditions following the Students Army Training Corps several changes have been made in the location of various fraternity houses. A revised directory follows:

- Alpha Tau Omega, 37 Bay State Road
- Theta Delta Chi, 334 Harvard St.
- Lambda Phi, 493 Commonwealth Ave.
- Lambda Chi Alpha, 200 Bay State Road
- Beta Theta Pi, 179 Bay State Road
- Kappa Sigma, 512 Commonwealth Ave.
- Sigma Chi, 532 Beacon St.
- Theta Xi, 406 Marlborough St.
- Delta Psi, 428 Charles River Road
- Chi Phi, 44 The Fenway
- Delta Kappa Epsilon, 104 Charles River Road
- Phi Beta Epsilon, 400 Charles River Road
- Delta Upsilon, 526 Beacon St.
- Sigma Alpha Epsilon, 484 Beacon St.
- Delta Tau Delta, 4 Ames St.
- Phi Gamma Delta, 491 Commonwealth Ave.
- Phi Sigma Kappa, 517 Beacon St.
- Theta Chi, 161 Bay State Road
- Phi Kappa Sigma, 203 Bay State Road

Alumni personals, news of class and alumni associations, and other alumni activities will be gratefully received. The prompt arrival of such information will facilitate the work of the Associate Editor in making the department as timely and complete as possible.

BOWLERS IN CONTESTS

Dorm Leagues Well Underway — First Men Are Stirring

An inter-house bowling league campaign has been launched by the dormitories, and is now under way. This activity is intended to take the place of the erstwhile hockey league, which on account of the unusually warm weather was made impracticable. As soon as the Walker Memorial was open to students, and its bowling alleys are available, the leading spirits in the dorms decided to organize an inter-house league. Before it was known how great the response to the call for players would be, it was decided to have only two teams for each house, but when it became evident that a great many of the fellows in the dorms were ardent bowling fans, it was decided to increase the number to four teams for each dorm. The varsity teams of each house will uphold the honor of its own organization, while the other teams will just battle for themselves. The manager says the only qualifications a man must have to be on the varsity team of any house, is to belong to that dorm, and to be a good enough player to compete; for the other teams the first stipulation is he only paramount one, as these minor teams are made up of men who are out for the sport regardless of their ability. At present the chairman of each dorm is in charge of the affair for his own house. W. Oesch of Runkle being the "big chief." He posts the schedules and other things of a like character. Later on, in order to remove some of the work from the shoulders of the chairmen, the captains of the various teams will in all probabilities arrange the schedule for the games themselves.

The present plans are to have two leagues, the major, composed of the varsity from each house, and the minor consisting of the various scrub teams. The winner in each league will receive some prize which will be decided upon later. A few games have taken place already with the following results:

Team	Games Won	Games Lost	P. C.	Total Pins
Holman	2	1	.667	1239
Runkle	2	1	.667	1126
Nichols	1	2	.333	1242
Akinson	1	2	.333	1104

Nichols has up to the present, shown more interest and zeal in the game than any of the other dorms. Here individual scores have been posted, and also bulletins containing news of interest about the league, while on the other hand, Holman, which leads in the scores, is very backward in the way of interest, no notices, individual scores, or even teams being posted.

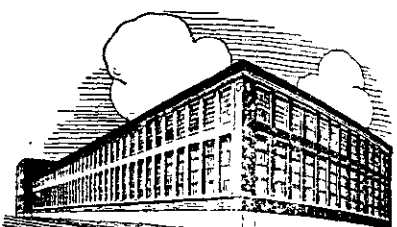
The varsity teams of the four dorms are as follows:

Nichols	Runkle
H. I. Lovin '21 (C)	H. P. Field '21 (C)
W. N. Barron '20	H. C. Collins '20
D. L. Dowling '20	W. A. Collins '21
J. R. Elliot '22	C. W. Whittemore '22
W. R. McKenney '22	H. H. Maxim '22
Holman	Akinson
C. E. Carlson '20	J. Mason '22 (C)
D. Tait '22	C. A. Breed '21
E. L. Akerley '22	V. S. Phaneuf '21
H. D. Allen '22	A. M. Hammond '22
C. R. Myer '22	

The fraternities have also interest in bowling with the results that the Alpha Tau Omega scored another victory, by defeating the Sigma Chi team by a record of 1241 pins to the 1179 of their antagonists. The plans are being perfected for an inter-fraternity bowling league, which will be run on the same plan as was the inter-fraternity baseball league.

RIFLE CLUB RANGE IN WALKER TO OPEN MONDAY

Plans for the season were discussed at a meeting of the officers of the Rifle Club held Tuesday evening in room 8-403, and from the viewpoint of the officers things seemed exceedingly bright. Mr. Ford has assured them that the range in the basement of Walker Memorial will be ready for their use Monday morning. Men will only be allowed to shoot on this range through the medium of the Rifle Club. President Atwater assures those wishing to use the range that there will be a representative of the club there practically every afternoon and it will only be necessary to report to the person in charge. The team will start its work March 8. The scores made by the men in various colleges are sent to the office of the National Rifle Association in Washington and then later the standing of the colleges is published. The team here will consist of ten men, but only the scores of the five highest men will be sent to the National Rifle Association.



Cheney Brothers

So. Manchester, Conn. Makers of "Cheney" silks have entrusted to the Aberthaw organization some five contracts, including manufacturing and educational buildings.

Built by **ABERTHAW CONSTRUCTION CO.** BOSTON

TECHNICALITIES

BY JIM

Our Daily Bread

Where do you fellows range the garbage? Most of you will cheerfully chirp "Over at Waltons, of course." Now it is you hapless prune-eaters that I want to talk at. First off: what's the idea? Is it that you are not aware that there is a hash foundry over in the Walker, or is it that you are naturally simple? It must be one or the other, possibly both. Now listen: I know that you will be ready with an alibi, but just can it for a while till I spring some real dope on you. The Walker is YOUR feed stall, and it is up to you to go there. They sling the best and most hash you can get in Cambridge for the money. It is clean, properly cooked and generally first class stuff. It is managed on the level and mostly for your benefit. The system is all courteous and decent. You stand your spaghetti along with other students. There isn't likely to be someone next to you yodeling his soup or gargling coffee. You sit at a table with your grub before you, so you don't have to eat around the inverse cosine of zero. Now on the level fellows, it ain't no use trying to kid yourselves, because it can't be did; and you are all old enough to know that you can't kid the rest of the World. If you have not yet let the Walker at meal time, it is most time you got hep to yourself and hiked over there. The tax depends on your carrying capacity. If you don't feel especially carnivorous, you can get a herbivorous feed, and vice versa. The rate is forty coppers for the carnivorous species, and twenty-five for the other. I've been saving a little secret for you last, so here it is: the Kawph is the kind that grows on trees, and is not a mouflaged disinfectant. Now these arguments ought to persuade you, if not, you ought to be eating alfalfa. It's up to you.

MECHANICAL ENGINEERS TO TAKE TRIP TO WALTHAM WATCH COMPANY

The chief aspect of interest to the men at this plant will be the great variety of automatic machinery employed in the making of precision time pieces. The operations involved in the making of the inner casing of a watch are of especial interest. The tool-making department, and the section of the factory where the expensive jeweled bearings are made will be open to visitors. There will be on exhibition small parts of watches, so minute that a magnifying glass is required to determine their shapes and functions. The clock department will be visited in addition to the other sections of the plant.

Those who have signed up for the trip are requested to be on hand in the main lobby of the Institute at the correct time on the day for which they have signed. The officers hope that the new scheme of division of trips will meet with the approval of the members of the society.

POOL ROOM TO OPEN.

The pool room in Walker Memorial will be ready for use either on Monday or Tuesday. The room is in the basement next to the bowling alleys and contains four pool tables and two billiard rooms besides other equipment all of which is new. Thirty cents an hour will be charged for the use of the tables which is one half the price charged by most of the pool rooms elsewhere.

IN CHARGE OF THIS ISSUE

Edward A. Ash '22 Night Editor
Henry C. Gayley '22 Asst. Night Editor

SATURDAY, FEB. 15, 1919

TARDINESS

THERE seems to be a growing habit around the Institute of men getting to classes anywhere from five to thirty minutes late. This tardiness not only causes the men themselves to lose valuable instruction, but also annoys and interrupts the professors and other students who have done their duty by getting to class on time. The professors give the students a square deal. They close their classes punctually. Why can't the students show them the proper respect? Surely it is no great hardship to get up a few minutes earlier in the morning, or to spend a few minutes less talking in the halls between classes. Be fair to yourself, your professors, and your fellow-students.


BULLETIN BOARDS AGAIN

SOME of the bulletin boards around Technology are marked "Official" and others are marked "Student Activities." That means that each of the different boards is supposed to be used for some particular purpose. The Institute Buildings are lavishly supplied with bulletin boards, and no one can complain that they are unable to find sufficient and suitable space in which to display their notices. It would seem, therefore, that as a matter of courtesy we ought to place the student activity notices only on the boards reserved for that purpose, and leave the other boards clear for official matters. This also would lend to greater neatness and uniformity. Furthermore, were the windows and fire alarm boxes meant for purposes of publicity?

WRESTLING AND DANCES.

THERE are rumors about that the wrestling team intends to run a dance in connection with its next meet. The attendance at indoor athletic meets, such as wrestling has been notably poor in the last few years. It would be an excellent idea, therefore, to hold a dance after the bouts are over, as it will furnish an incentive for a larger attendance, and the team will try harder, cheered on by the fact that Technology men are watching it. The wrestling team has a record of which all of us, as Technology men, are proud, and there is no reason why the only men interested in the success of the team should be those who are on it.

A Mellin's Food Boy



Mellin's Food, prepared with milk, provides proper nourishment to make firm flesh, strong limbs and a rugged constitution.

Send today for a Free Trial Bottle of Mellin's Food and our book, "The Care and Feeding of Infants."

Mellin's Food Company
Boston, Mass.

will meet Andover, and Exeter. The Sophomores will meet Worcester Academy and Lynn English High School in Lynn.

The biggest meet of the whole season outside of the New England Inter-collegiate will be on May 10th when the Cambridge to compete against Technology in a duel meet on that date.

BURSAR AND DEAN SPEAK

First of Series of Talks by The Alumni Advisory Council Is Given

The first of a series of lectures conducted by the Alumni Advisory Council on "Undergraduate Activities" was held Wednesday, Feb. 12, at five o'clock in building two. The meeting was largely attended, there being more than a hundred present. Bursar H. S. Ford was the principal speaker, and his subject, "Dues to the Undergraduate Association," had a special interest to his audience, comprised mostly of treasurers or prospective ones. Bursar Ford emphasized the importance of the budgets for this year of the various activities coming under the benefit of the Student Tax; and stated that the money was to be used for the greatest good to the greatest number, and for the use of a class only in so far as it effected every member of the class. He then described the influence which the Institute and Finance committees exert over the undergraduate activities. When he had finished his speech, he invited questions, and cleared up many difficulties existing in the minds of his audience about the Student Tax.

Dean Burton was then asked to say something about student government and how it applies at the Institute. The Dean then told a little about the history of student government at the Institute informing his listeners that it was first undertaken by the Class of 1893 and since then all activities have been brought together until now every thing is controlled by the Institute Committee.

The Dean seemed impressed by the large attendance and expressed his belief that they formed the nucleus of a student government.

These lectures will be given every Wednesday and Friday at the same hour and it is hoped that the meetings in the future will be as well attended as the first one. A program of lectures has been mapped out which is as follows:

Wednesday, Feb. 19—Mr. Fitch, on Bookkeeping, and Accounting. Mr. Fitch is a graduate of the Institute.

Friday, Feb. 21—Organization as applied to the Institute, by Professor Sheel.

Wednesday, Feb. 26—Practical Principles of Banking.

Friday, Feb. 28—Business Correspondence, by Professor Pearson.

Wednesday, Mar. 5—Capt. "Buck" Dorrance, President Class of 1914.

Friday, Mar. 7—Bursar H. S. Ford, Questions

Wednesday, Mar. 12—Lt. McGrady, Questions of Finance.

For the last lecture the Council hopes to procure Dr. MacLaurin to speak on the Future Building Plan of the Institute.

SOPHOMORES TO HOLD ELECTION

It is announced that elections for the Electoral Committee of Technique 1921 are to be held next week. Ballots will be sent to the members of the Sophomore class on Monday and they must be in turn be handed in at the Information Office by 5 P.M. Thursday, February 20th.

The committee will be composed of twenty-five men from the Sophomore class. Its duties are to elect the Editor-in-Chief and department editors of Technique 1921. It is rumored that as this book is one of the most important activities of the Institute, due care should be taken in choosing the Electoral Committee, for on the action of this body great part of the success of the Tech name rests.

The ballots were prepared from an official list of the Class of 1921. Therefore, contrary to last year's plan those men who have registered since the list was drawn up and whose names are not entered, will not be considered as automatically being on the committee.

McGILL STUDENT COUNCIL OPPOSES RUSHES

It is interesting to note that Technology is not the only college in the country that does not look favorably upon rushes. The following article describes well the stand of McGill University regarding the same.

At a recent meeting of the students council at McGill the following resolution was passed:

"The Students' Council places itself on record as being opposed to all rushes and other forms of hostilities which have lately occurred between the first and second year students and demands that such practice must cease forthwith."

DOCTOR A. E. KENNELLY ADDRESSES WIRELESS SOCIETY

Station To Be Erected Soon—Class In Code Practice Begins Monday

The M. I. T. Wireless society held its first smoker of the year last Tuesday in Room 4-370. President H. P. Field '21, opened the meeting and introduced the speaker of the evening, Professor Arthur E. Kennelly, the head of the department of electrical engineering at the Institute, who told of the possibilities in radio engineering and of the value of a knowledge of wireless to the individual. During the meeting it was announced that permission had been granted the society by the Institute to erect a radio station here and although Congress has not yet repealed its war order forbidding amateurs to operate stations, Mr. Field advised that the plan of construction be laid immediately in order that the club might be able to operate when government permission is obtained. The men in charge of installing the station will be chosen by a competition based on sketches submitted for the station. This competition is open to all and sketches should be placed in P. O. Box 160.

Announcement was also made that an instructor had been provided for a class in code practice to be held at least one hour each day. For the present, this class will meet in Room 10-219, but if it becomes too large, some other arrangements will be provided. It is planned that at these classes the first part of the hour will be spent in sending to those who are able to receive less than 15 words per minute. The second part of the hour the speed will be increased so that those who desire may receive practice in receiving from 15 to 30 words a minute. The schedule will be announced in THE TECH and posted on the bulletin board and on door of Room 10-219. The vice president, H. H. Maxim, who is in charge of this class announced that the first class will begin next Monday.

In his talk to the society Tuesday, Professor Kennelly pointed out that the demand for radio engineers at the present time was extremely limited and that little financial inducements were being offered but that with the recent developments in radio work, such men will be in greater demand in the future. He also emphasized the value to the individual of knowing wireless and how such knowledge aided him in a social way: social in the broader sense of the word. He pointed out that it only takes one-fiftieth of a second for a wireless impulse to reach any part of the world. Thus none of us are over a fiftieth of a second by wireless from anyone else in the world.

Professor Kennelly spoke of how the countries of the world are linked together by wireless and the effect of this common bond on preventing disagreements. If two countries have something in common they will live together more peacefully than as if they had nothing. Later in the meeting Professor Kennelly was asked if he thought it likely that radio telephony would supercede the radio telegraph. He said that in his opinion he considered the possibility quite unlikely.

The Wireless society which was founded some years ago, and in a brief talk, Lieut. Murray told of its work in past years. The society ceased activities during the war and has now begun its re-organization. About 50 members, some of whom were in the club formerly, have been present at the meetings and it is expected that many more are interested in the proceedings. Announcements will be made of meetings to be held in the future and all those wishing to take part in the society's activities are invited to attend. The meetings are held usually twice a month and the program of speakers which have been arranged includes an illustrated lecture on "The Phenomena of Audion Valves" by Professor W. S. Franklin, of the department of physics.

ELECTRICAL ENGINEERS VISIT BIG L STREET EDISON PLANT

Plans Are Already Underway For Next Week's Meeting and Trip.

Yesterday at 1:15 o'clock one hundred men from the Institute journeyed to the L. St. Plant of the Boston Edison Company. This excursion was under the auspices of the Technology Branch of the American Institute of Electrical Engineers. The trip was a success in more ways than one, and all the members agreed that it had been more than worth their while to attend.

Plans are now under way for the third trip in the regular schedule, this time to the Milk Street Station of the American Telephone Company. Of necessity the number of men participating in this event will be restricted to ninety. Sign-ups may be made in the usual manner on the list posted outside the office of the society (Room 10-263), and prospective participants are advised to get their names in as soon as possible due to the prevailing restriction in numbers. The party will leave the In-

(Continued on page 4)

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OARSMEN WORK HARD

Many Experienced Men Are Out For Crews Of Lower Classes

With the assurance that in all probability there will be a crew race on the coming Field Day, both the Sophomores and the freshmen are hard at work. Although the freshmen squad far out numbers that of the Sophomores, the latter have four of the veterans of last year's winning crew—Jakobson (I. D.), Merrill (E.), Haskel (R. W.), Lloyd (L. A.)—and these are forming the nucleus of what promises to be an organization hard to beat. There are also several experienced oarsmen from other colleges out for the Sophomore crew, among these being "Bill" Feldsine of Cornell, and Drenbach of the University of Syracuse.

From a squad numbering close to 100 men, the freshmen are expected to turn out several good crews. Present plans include two eights and two fours from that class, but the management promises to form as many crews as the number and quality of the men on the squad, warrants. An exceptionally good first crew is expected to be formed. Among the experienced oarsmen out, are F. P. Knight, Jr., who rowed on the first freshman crew at Cornell; R. W. Hemenway, a former Huntington and Boston Interscholastic man; B. R. Hauelsen, who rowed on the second crew at Cornell; R. N. Knutsen, a noted oarsman from Norway; F. Raveca, an oarsman from South America; K. T. Campbell, a St. Paul's man; and H. J. Horn, of Brookline High School. Besides these men, there are several men of good weight and build, who are picking up the rudiments of rowing with remarkable rapidity.

The coaching is being done by upperclassmen at the present time. Max Untersee '19, Sherbrook '20, Falkenberg, J. J., '19, "Ned" Murdough '19, and Malcolm Burroughs are among those helping in this work. The system of having the freshmen report at certain specific times is making it possible to handle the large squad on the four rowing machines. Most of the men are reporting regularly and faithfully, but there are a few delinquents. The management wishes to warn these last that unless they make up the time they have missed, and report regularly in the future, they will be dropped from the squad, besides receiving an F in physical training.

The competition for 2nd assistant manager of the association and manager of the freshman crew, is being carried on. At the end of the present term, the number of men to be retained will be cut down to three, and these three will continue to compete until the Spring Field Day, when one will be appointed manager of the freshman crew, this man to receive his numerals, should the freshmen win the Field Day crew race. The competition will then continue until the end of the term in June, when the final appointment of freshman class manager and second assistant manager of the association, will be made, the third man being then eliminated.

The periods for Sophomore practice are at present as follows: Every morning, and Mondays, Wednesdays, and Fridays, 5 to 5.45. The freshmen have the use of the machines the rest of the time. However, men from either class may practice at all times when they can get a vacant machine, this includes Saturday afternoons.

A meeting of the Sophomores will be held shortly for the purpose of electing a captain.

TECHNIQUE FACTS

CORRECTION: The Technique Sign-up campaign will start on Monday, Feb. 24th instead of 14th as stated in Wednesday's TECH.

The picture of the Class of 1920 will be taken on the steps of Walker Memorial on Tuesday, February 18th, at 1 o'clock. The Technique Board wishes to have all students who are in the Junior Class or anyone who is above this class and does not expect to graduate next June or before. It is desired that every undergraduate be included in one or another picture in Technique 1920.

Pictures of the Classes of 1921 and 1922 have already been taken. The senior portfolio is intended to include every student who will graduate before next June. This will give every student an opportunity to be included in Technique.

It is up to the undergraduates to co-operate to the extent of meeting the time and convenience of the Technique photographers. There probably is never a time which is convenient to all and although every effort is made to pick the most suitable time, it will be necessary for some to suffer some inconvenience to be present Tuesday noon.

Ballots for the statistics competition will be distributed early next week

among the Junior Class. On these ballots there will be a list of questions, such as "Who was the most unpopular top-sergeant in the S. A. T. C." "Who is the most handsome man (or woman) in the Junior class." These questionnaires will be distributed among the Junior Class and the questions answered in the creditable manner. For the best set of answers a free Technique will be given on the day of the Technique Rush, on May 29th. No person will be considered unless they have already subscribed to Technique and have made their deposit of \$75. This deposit will be refunded to the winner of the competition, as will be done in the case of the winners of the free books in the Rush and the various other competitions.

The sign-up campaign will last from Monday, February 24th until Wednesday, March 5th. No subscriptions will be accepted after that date as the final order must go to the printers at that time. The required deposit is \$75 and the balance which is required before the book is delivered is \$2.00. The book will be leather bound unless the subscription lists should fall below 1500 in which case the deposit will be refunded to those who do not wish other than a leather bound book.

SERVICE LIST

On account of the great many corrections to our military list that poured in during the early part of the period of demobilization, The Tech decided to discontinue the publication of the same for a few weeks until such corrections as were being received could be recorded so that our list could be brought up to date. It is still earnestly desired that each reader of THE TECH will consider himself a committee of one to send all information in his possession concerning Institute men who have been in the service of the United States or any other of the Allied forces during the Great War to the M. I. T. War Service Auxiliary, 491 Boylston Street, Boston or to the Military Editor of THE TECH, Charles River Road, Cambridge. The continuation of this list begins this issue with the classes of '97 and '98.

List of Technology Men in the United States Service. Class of 1897.

Adams Zabdell, B. M. D. Member of Massachusetts General Hospital Unit, sailed June 2, 1918. Capt. U. S. Base Hospital No. 6 A. E. F. Returned to States Dec. 31, 1918. Surgeon General's Office, Washington, D. C.

Atwood, Thomas C. In charge of plant at Squantum.

Bacon, John F. Capt. E. O. R. C.

Brown, Warren D. Capt. Air Service.

Hdgrs. Taylor Field, Montgomery, Ala.

Curtis, Arthur V. U. S. N. Dept. Constr. and Repair, Navy Yard, Washington, D. C.

Ewen, Malcolm F. Capt. Amer. Ord. Base Depot in France.

Field, Frederick C. Major, Ord. Dept. Remington Co., Eddystone, Pa.

Fuller, George A. 1st Lieut. Ord. Dept.

Hunnell, F. A. Construction Hdgrs. U. S. Coast Guard, Washington, D. C.

Hunt, Harry B. Commissioned Major O. R. C. Gun Division, Washington, D. C.

Kent, William A. Lieut. Col. 810 Pioneer Infantry, Camp Greene, S. C.

Manson, Edward S., Jr. Capt. Adj. Gen. Insurance Section, Personnel Office, Camp Sherman, Ohio.

Mason, Earle P. Lieut. U. S. N. R. F. Parsons, Archibald L. Lieut. Comm. U. S. N.

Potter, William C. S. C. Chief of Equipment Div.

Pugh, Achilles H. Head of the Loading and Explosives Section, Ordnance Dept., Cincinnati District.

Rhodes, William S. Capt. Q. M. C.

Smith, Harrison W. Dean of Naval Aviation Det., M. I. T.

Spear, Walter E. Major Q. M. U.S.R. in charge of camp utilities, Camp Upton, New York

Sumner, Edward A. Capt. A. Co., 43rd Engineers, Washington, D. C.

Class of 1898

Adams, Burton A., II. Capt. Base

Connor, A. E. F., G. Co., 104th Inf. A. P. O. 702.

Allyn, Robert S., II. Major, U. S. N. A., C. A. C. Art. A. E. F.

Ayres, Ernest F., III. Capt. E. O. R. C. Instructor Engineers Special duty "Bridges," Camp Humphreys, Va.

Ayres, Milan V., VI. Major Statistics Branch, Gen. Staff, Washington, D. C.

Byam, Leroy H., I. Capt. 55th Engineers F Co.

Dawes, Fred B., VI. Assistant Adjutant Captain 30th Engineers.

(To be Continued)

ARTICLES FOUND

The following articles found by students are being held at Room 3-005:
One black and white scarf with colored border.
One French curve.
One set of drawing instruments.
One Quantitative Chemical Analysis.
An introduction to Scientific German by P. M. Palmer.

CHEMICAL E'S GATHER

(Continued from page 1)

found. The British government provided its troops with potato sacks soaked in a solution of sodium carbonate and thiosulphate and thus effectively checkmated the enemy's efforts. The next gas also introduced by the Germans was phosgene. It was more toxic than chlorine and at the same time more difficult to protect against. The chemical used to combat the phosgene was Hexamethylenetetramine. The third gas to be used was chloropicrene and to the British fell the credit of innovation. Chloropicrene differed mainly from chlorine and phosgene in so much as it remains present in the vicinity longer. Lacrimatory gasses as well as those which produced violent fits of sneezing were used with the purpose of impairing the fighting abilities of the forces.

The last and worst gas to be used was the so called mustard gas. This was not only very toxic but also produced horrible burns on the flesh. Like the chloropicrene it hangs around and many casualties resulted through the ignorance of the soldiers regarding the properties of the new gas.

In the process of developing gas warfare to a high state of efficiency it was found that poison gas could best be disseminated by the use of explosive shells.

He continued that almost every country had different type of gas masks, but the underlying principle of them all was the same. The breath must be drawn in through some chemical which would absorb the gas and allow pure air to reach the lungs. Carbon and soda lime were found to be by far the most effective, but a problem arose when sneeze gasses were used. To overcome that obstacle filters had to be placed in the masks. Professor Lewis showed his audience the different sorts of helmets, one of which was of unusual interest. This was the mask provided for the United States Navy. The speaker also pointed out the great problem presented namely getting a mask that offered ample protection against the gas but at the same time would not impair the fighting abilities of the soldier. At the conclusion of Professor Lewis' speech L. W. Gilliat, trip manager announced the prospective trips. There is to be one on March 1, the exact place of which has not been finally decided, but will be to either the Merrimack Chemical Company or the General Chemical Company's plant.

The Smoker was wound up by a general call to the dining service room where ice cream and cake were handed out.

TECHNOLOGY'S FACULTY IN WHO'S WHO IN AMERICA

(Continued from page 1)

fred F. Bemis, Harry J. Carlson, Howard A. Carson, Pierre S. DuPont, Thomas C. DuPont, Howard Elliot, William Endicott, Arthur F. Estabrook, Frederick H. Fay, Samuel M. Felton, Frederick P. Fish (Desmond Fitzgerald), William C. Forbes, John R. Freeman, Francis R. Hart, Charles Hayden, Franklin W. Hoops, Charles W. Hubbard, Otto H. Kahn, Elisha Lee, William H. Lincoln, Arthur D. Little, John M. Longyear, A. Lawrence Lowell, Samuel W. McCall, Charles T. Main, Hiram F. Mills, Samuel J. Mixer, Everett Morse, James P. Munroe, William L. Putnam, Edward W. Rollins, Arthur P. Rugg, Payson Smith, Charles A. Stone, Elihu Thomson, Frank A. Vanderlip, Edwin S. Webster, George Wigglesworth, Willis R. Whitney.

ELECTRICAL ENGINEERS TRIP

(Continued from page 3)

stitute at 1:15 on Wednesday, February 26th.

The Milk Street Station of the American Telephone Company is the largest telephone terminal in New England. A detailed resume of the affair, which is to appear in a later issue of this paper will aim to give a few statistics concerning this station. Guides will be detailed for each ten men as in last Friday's trip, and investigations will extend through the cable-testing department, the so-called "line hospital" where line troubles are located, and through practically every accessible section of the system. The officers of the Society believe that this trip will be of value to the members as it will afford them a better understanding of the operation of low-current, low-voltage apparatus, and is an especially good example of the care of complicated electric lines.

The speaker for next week's meeting of the Society will be announced in the immediate future. As a sequel to the trip to the telephone station it is hoped to procure a representative of the American Telephone Company, who will lecture on the telephone system of today. It is hoped to have this talk illustrated with stereoptican slides.

SECOND KOMMERS SMOKER

(Continued from page 1)

The next speaker of the evening was William Hedlund who talked on the lyrics and music. While he stated that several good lyrics and tunes had already been received he emphasized the need of more lyrics and now that the writers have some idea of the character of the Show, better results are expected. Mr. Hedlund or some other member of the committee on music and lyrics will be in the Show office in Walker every Monday from 4 to 6 to receive them.

Poster Competition Commenced. John A. Philbrick, '20 spoke in regard to the scenery competition. The time and place for a meeting of men interested in this end of the Show will be set within a short time. Walter Frazier who was connected with the scenic



JAMES B. HAVILAND

work in "Not A Chance" will act in an advisory capacity on the scenery committee. George Knight, '20, publicity manager, then told of the poster competition which will be handled by his department of the Show. The best design will be selected for the Show display cards while the second best, as in previous years, will be used on the cover of the program and the score. The design is limited to three colors but in the case of two equally good designs the one with the fewest colors will be the more acceptable. The title for the Show was picked with its adaptability to a poster design in view. Mr. Knight will be in the Show office Monday at 1. As an appropriate part of a Show smoker, a novelty act was introduced which met with considerable applause. When the speeches were finished, refreshments, consisting of the customary cider and doughnuts were served in the cafeteria.

Authors May Get Scenarios.

Tech Show also acknowledges the receipt of scenarios from the following men and takes this opportunity of thanking them: Robert F. Felsenthal, '21; Kenneth F. Akers, '20; W. J. Hamburger, '21; Teodoros Quiros, '20; R. C. Johnson, '21 and C. C. Caven, '21. If any of these men wish their scenarios returned, they may be had upon application to the management.

Some changes in the Show staff have also been announced. The first cut in the publicity department resulted in the following six men being retained for the present: John J. Halpin, H. E. Marston, A. K. Nicholson, W. O. Robinson, P. S. O'Brien and O. G. Williams. These men will compete until a month before the Show is staged when two will be selected as freshmen assistants. They should report to Mr. Lee in the Show office this afternoon at 1.

Cuts Made In Stage Department.

The stage department has also made its first cut and the following men have been retained: E. F. Bowditch, C. W. DeVito, G. D. Godard, E. N. Howe, L. H. Jenness, H. A. Kaufman, C. J. Lundborg, W. C. Morse, R. B. Oakes, F. O. Rickers, A. R. Smith, R. E. Sherbrook and E. J. Thimme. They will report to Mr. Philbrick as soon as possible for further assignments. The work of the stage department begins in real earnest with the first rehearsal on Tuesday and it is expected that some keen competition will result. At present, no immediate cut is anticipated in the business department. Here the work is progressing favorably with the promise of an excellent program. P. Bugbee, '20, the business manager is anxious to get as many advertisements as possible now in order to avoid a rush of work later.

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