

PROPOSE COURSE IN RADIO ENGINEERING

New Course to be Offered to
Seniors Provided That Sufficient
Number Respond to
Call

TO BEGIN WITH SECOND TERM

Acting upon the request of Major-General Squier, Chief Signal Officer of the U. S. Army, that the technical schools of the country train about five hundred students for service in the Signal Corps, the Institute has proposed to establish a course in Radio Engineering for those students who desire to enter the Signal Corps provided that there are at least ten students willing to take the proposed course. However as the request was made only a few days ago, no definite action has been taken by the faculty with regard to the new course, its possibility of being established in the Institute curriculum resting entirely upon the number of students who express their willingness to take it.

It is open only to fourth year men and in all probably will be accepted in lieu of part of the requirement for graduation. The action taken by the faculty in deciding that a student must have completed at least two-thirds of his senior course makes it almost a certainty that a man taking the special course in addition to part of his regular work will be enabled to receive his degree. It is expected that the students will be enlisted as members of the Signal Corps and be placed in Class 5 of the draft list as being in the service of the U. S.

If it is found to be practicable to offer the course, work will begin February 1, the beginning of the second term, and will continue for fifteen weeks, ending a few days before the final examinations are started. The amount of work required in the course is twenty-eight hours a week. Twenty-four of these will be spent in class room, lecture and laboratory exercises, and the remaining four in signalling work. At the end of the course each student is expected to be able to send at least fifteen words a minute.

Professor A. E. Kennelly of the Electrical Engineering Department will in all likelihood be in charge of the new course, in the event it is established, but if other work will interfere with this arrangement the course will be offered in conjunction with Harvard, as the latter is also considering the feasibility of such a course. All students who are interested are requested to see Professors Kennelly or Lawrence immediately.

A. I. E. E. TO MEET TONIGHT AT LECTURE IN INSTITUTE

Effect of War on Electric Service is
Subject of Paper.

The American Institute of Electrical Engineers will hold a meeting this evening at 7.45 o'clock in Smith Hall, room 10-250, at which a paper will be presented by Mr. William B. Jackson on the subject "Effects of War Conditions on Cost and Quality of Electric Service." This is the first of three national meetings, on the same subject, the other two of which are to be given at New York and Chicago, and is the accomplishment of an idea inaugurated last year by the officers of the A. I. E. E. This scheme was adopted in order that those who could not attend the New York meetings might be informed of the proceedings of the institutions, and its promulgation depends upon the success of the meeting held here tonight.

The subject under discussion at the meeting deals chiefly with the effect of war conditions upon electric light and power service, but the principles relate in their broad application to every branch of public utility service. The different items in which these effects are apparent will be enumerated and then considered in three ways, namely: the probable trend under normal conditions, the present status under abnormal conditions, and suggestions as to how these effects might be reduced or entirely nullified.

NEW WALKER MEMORIAL RIFLE RANGES OPEN

Gallery Open Two Hours Daily to
Members of Rifle Club

The new rifle range in the Walker Memorial has been completed for several weeks, but owing to the fact that other organizations have been using it, it was impossible until now to arrange a definite schedule for its use by the Technology Rifle Club. The hours for shooting have been so arranged that the rifle club members will have the free use of the gallery every afternoon between four and six o'clock and between 4.00 and 6.00 o'clock. The amount of time allotted to the club will be increased as much as is shown to be necessary by the number of men reporting for practice.

All shooting on the range will be under the observation of a club member, who will give all necessary instruction, have charge of the distribution of ammunition, and keep records of the scores. Each member must obtain a membership card from the range-officer in charge in order to identify himself at any time when he wishes to use the range. The membership cards are now at the range and will be given out to those members who are properly accredited.

The Technology Rifle Club is an organization affiliated with the National Rifle Association, its purpose being to promote interest in shooting at the Institute. The idea of the club is not to train a few men to become experts, but rather to give each member a chance to develop his marksmanship to the greatest degree possible.

POWER PLANT TESTED

Students Make Boiler Tests in
Institute Station

Last Wednesday evening started a boiler test, for about eighty students of Courses VI, X, XIII, and XV option 3, which comprised the operation of the entire power plant of the Institute buildings. The men were divided between eight shifts of ten men each, each shift going on duty for a period of eight hours, so that the boiler run was completed by Saturday morning.

In each shift the men were assigned numbers to correspond with the work which they were to perform, with the exception of two men, who were given special duties as circumstances required. The work which each man performed formed a link in the complete operation of the plant so that each student received a like amount of responsibility.

The number one man of each shift weighed the feed water which was supplied to the boilers, recording the total gallons per hour and the total amount of water during the complete shift. Number two man supplemented the work of the first by assisting in the weighings and recordings and checking his co-workers' results. After four hours' time these two students changed with numbers five and seven to relieve the monotony of the work.

Number three's duties were rather numerous for he had to read the counter on the automatic coal weighing machine

(Continued on page 3)

NICHOLS 2 LEADS IN THE DORMITORY BOWLING LEAGUE

With a percentage of 889, the Nichols 2 team holds first place in the Dormitory Bowling League. Holman 2 has the second highest percentage of 778 and Runkle 2 and Atkinson 3 are tie for third place, with percentage of 667. The high averages are held by Starr and Malley, who have 93.4 and 91.2 respectively. The highest game, 447, was rolled by the Atkinson 3 team, and the high score, 113, was made by Marvin Pierce.

A twenty-five dollar suit has been offered by M. Poliser as a special prize to the one who rolls the three highest strings in regular league games. Wyer is ahead so far with scores of 106, 104, and 42. The men in the Dormitory feel that the league has been a great success in developing a spirit of good fellowship among the residents.

ALUMNI ADVISORY COUNCIL CONVENES

Financial Reports and Outlines
of Future Policies Given by
Representatives of More Important
Student Activities

ALL ACTIVITIES PROSPEROUS

The Alumni Advisory Councils on Undergraduate Activities held a meeting last Friday afternoon to determine the position of the undergraduate body with reference to the athletic, social, and other activities of the Institute. The various activities were represented by men who were in constant touch with them, the Institute Committee also being present.

Mr. Robbins was appointed chairman of the meeting, and he called the assembly to order by requesting Mr. Van-Kirk to outline the work of the undergraduate activities for the benefit of the Alumni present. The latter stated the cause of the meeting as the desire of the Faculty and Alumni to get an idea of the way in which the war affected the activities and their financial standing.

Mr. Rolfe, of the Advisory Committee on Athletics, stated that the complete budget for this season was estimated to be about \$3,375, including practically all branches of athletics. The total amount available to meet this is about \$3,400, derived from the student tax and events of last year including the Tech Show. Mr. Rolfe voiced the opinion that athletics were not seriously affected by the war and favored the normal continuation of all activities as necessary to student life at the Institute.

L. M. Dalton '19, representative of the Combined Musical Clubs, said that on account of railroad conditions it had been decided not to take a midyear trip, but that otherwise the regular schedule of concert would in no wise be affected. The financial condition of the musical clubs is satisfactory.

The Tech Show will take place as in other years provided there is a Junior Week, was the statement made by F. A. Washburn '18, representing that activity. During Junior week the trip to Northampton, the most profitable performance given, is made, and therefore the Show's existence is dependent upon that event. The proceeds of the Tech Show will go to the American University Club of Paris. Financially, there is no question but that the activity is one of the most successful of the Institute.

P. M. Dinkens '18 reported the Institute and Budget Committees as per-

(Continued on page 3)

SPECIAL COURSES OFFERED AT THE FRANKLIN UNION

Realizing the enormous demand for trained men at the present time, especially along technical lines the Franklin Union of Boston has arranged a new series of classes beginning this month. These classes are held mornings and evenings and are arranged for men who are occupied during the day or night and who have had no opportunity to further their education. All those interested in these courses should address Walter B. Russell, Director, The Franklin Union, Berkeley and Appleton Streets, Boston, from whom more detailed information can be obtained regarding the dates and hours for the courses and the required fees, which are small. Among these special courses are the following: Principles of Aviation Engines, Military Sketching and Map Reading, Marine Engineering, Automobile Engines, Gasoline Engines, Mechanical Drawing, Sheet Metal Drafting, Architectural Working Drawing, Boiler Operation and Firing, Special Firing for Operators, Steam Engines, Special Electricity, Surveying computations and Office Practice, Theoretical and Applied Hydraulics, Advanced Reinforced Concrete Design and Expert Watchmaking.

CHEMICAL SOCIETY TO HEAR TALK ON INDUSTRIAL RESEARCH

Election of Officers Will be Held During
Friday

The next meeting of the Chemical Society is to be held Friday evening at 8.00 o'clock, when Mr. Weidlein, the assistant director of the Mellon Institute of Industrial Research, will give an illustrated talk on the work of that institution. The late Professor R. K. Duncan was always desirous of bringing about a closer cooperation between the industry and the pure science, and it was to secure such cooperation that he founded the Mellon Institute. His plan is to interest the industries in the investigation of some feature of their business, to establish a fellowship, and to pay a competent man to devote his time to study and investigation of that industry in the Mellon Institute laboratories. The plan has worked exceedingly well and many valuable results have been obtained. Among these may be mentioned the development of the "Arkady" yeast food, and a new method for the smelting of copper ores. The Northeastern Section of the American Chemical Society has been invited to attend this meeting, and, for this reason, the lecture will be given in Huntington Hall, Rogers Building.

The election of officers for the ensuing year will also be held on Friday. The polls will be open from nine o'clock in the morning until five, near Dr. Talbot's office. The following is the list of nominees: for President, H. J. Kaiser and C. L. Nutting; for Vice-President, L. B. Smith and L. C. Kelsey; for Treasurer R. G. Mossrop and L. J. Goldstein; for Secretary, D. K. Webster and Hyman Selya; for Program Committee (vote for two), A. C. Atwater '20, Aaron Tushin '20, Maurice Goodridge '19 and E. F. Perkins '19. The results of the election will be announced at the meeting in the evening.

DEAN BURTON BACK

Returns From Trans-Continental
Tour of Inspection

Professor A. E. Burton, Dean of Technology, is just back from a second trip that practically bounded the United States. He has been inspecting the schools for Deck officers that have been established under his direction for the U. S. Shipping Board, these schools being the suggestion of Henry Howard, an old student of the Institute under Professor Burton.

Altogether twenty-five schools were visited, it being unnecessary to include in this trip the New England ones, of which there are ten or more, or those this side of Baltimore, of which there are four or five. The itinerary, which included leaving Boston on November 24, took in Norfolk, where a second school was established by Professor Burton and Newport News, where a new school was started. These schools are established where there are small groups of sailors and include quite a number of smaller places, while in the larger ones like Boston, New York and Baltimore, a number of successive schools have been conducted. Somewhere near two thousand deck officers are now ready for the vessels that are under construction for trans-Atlantic trade.

SENIOR PORTFOLIO PICTURES DUE TOMORROW

All material for the Senior Portfolio section of the 1919 Technique or appointments for sittings at Notman's, the photographer, must be on hand at the Technique office before Wednesday, January 9. Also all proofs must be returned to Notman before mid-years in order to go into the book. The Technique management wishes to make it clear to all eligible men that this is the last chance for entrance into the Portfolio section, which is practically useless unless complete.

ALUMNI TO HOLD ANNUAL BANQUET

Five Hundred Graduates of Institute to Hear Prominent
Speakers During Yearly Meeting

PICTURES TO BE SHOWN

Several prominent speakers, one of international repute, have been secured to address the annual Alumni banquet which is to be held Saturday evening at 7 o'clock in the Walker Memorial. As this is the first Alumni dinner to be held in the Memorial, all of the Alumni are putting forth their best efforts to make the gathering a memorable one, and worthy of the man to whose memory the building has been dedicated, Francis Amasa Walker. As a result of this effort President MacLaurin, His Excellency The Chinese Minister V. K. Wellington Koo, and Alfred L. Aiken, President National Shawmut Bank, have been secured as principal speakers of the evening.

Owing to the stringency of conditions occasioned by the war and the necessity of conserving, it has been decided that the affair shall be a simple one instead of the banquet as has been the case in former years, and incidentally less formal. However there will be music and a moving picture exhibition of the military work at Camp Cunningham, the Technology summer camp, in addition to the addresses so the Alumni are assured of an enjoyable evening in the way of entertainment.

Judging from the recent sale of tickets it is expected by those in charge that over five hundred graduates from New York and the New England States will be present, including some who are in service and who are to be the guests of the evening. Francis R. Hart '89, Treasurer of the Institute and President of the Alumni Association, will preside.

THIRTY TECHNOLOGY MEN SELECTED FOR CAMP UPTON

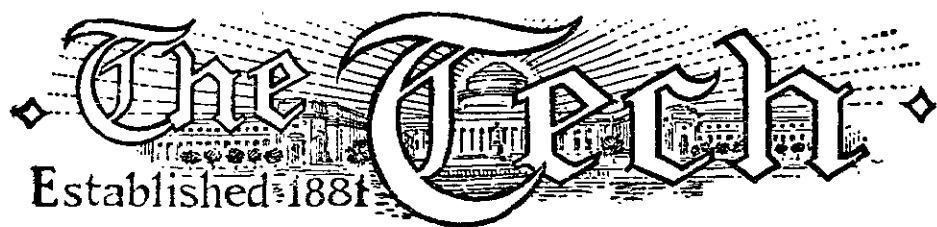
Reserve Officers Training Camp Begins
at Yaphank

Thirty Technology men were selected by the Institute to attend the Training School for Officers which began at Camp Upton, Yaphank, New York, on January 5. Hundreds of graduates and undergraduates of many of the colleges were recommended, but the list was cut down to 216. The following are the men who will represent the Institute:—Richard O. Lovengard '17, Frank P. Reynolds '19, Norman D. Connors '19, Cecil B. Vaughan '12, Walter L. Whitehead '13, Allan Hay Means '13, Herbert C. Merrill '19, Edwin K. Jenckes '10, Donald D. Way '19, Norman Dawson '18, Arthur E. Gilmour '17, William B. Hunter '17, Edwin D. Pratt, Herbert W. Barrett '19, Milton S. Clark '09, Samuel M. Ellsworth, Frank T. Smith '13, Robert C. Heyl, Jr., '18, Osman S. True '20, John A. Parker '18, Alfred A. Johns '19, Alexander G. McAlister '18, Willard B. Newell '17, Hamilton L. Wood, John H. MacKinnon '14, Edgar L. Kaul, Frank P. Whelton, John T. Curran '19, Ralph S. Manning '08, John C. McLeod, Jr.

THERE WILL BE AN IMPORTANT MEETING OF ALL MEMBERS OF THE NEWS STAFF AT 1.05 O'CLOCK TOMORROW IN THE TECH OFFICE.

CALENDAR

Tuesday, January 8, 1918
7.45 P. M.—A. I. E. E. Meeting, Smith Hall.
1.15 P. M.—Pictures of 1921 Tug-of-War Team—Notman's, 3 Park Street.
Wednesday, January 9, 1918
6.00 P. M.—Catholic Club Meeting. "Caf."
Thursday, January 10, 1918
2.00 P. M.—Chemical Society Trip—Main Lobby.
5.00 P. M.—Orchestra Meeting "Caf."



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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 THIS ISSUE

Albert Kruse '20 R. H. Smithwick '21

TUESDAY, JANUARY 8, 1918

THE PASSING OF THE ARMY AVAITORS.

IT is with regret that we learn of the departure of the Military School of Aeronautics. The presence of the aviation students has lent a martial air to our buildings and we have felt a pride in the honor which the Government has been showing us by housing them at the Institute.

THANKS.

WE thank the Technology Review most heartily for the splendid commendation which it gave in its July and November issues to The War-time Tech. The "boost" is sincerely appreciated and we hope that we will continue to meet with the approval of the Review.

One thing, however, will not be lost sight of. The undergraduate news will be as fully covered as heretofore and we hope that the student body will appreciate that we are trying to serve as the official organ of Institute activities, both Alumni and undergraduate.

You can now get your certificate of approval from the Faculty for enlistment in the Engineer Reserve Corps. The applications must reach the Chief of Engineers in Washington within a week. Get busy!

It is just a little more than a week before the mid-year examinations. Remember that it is just as easy to flunk in war times as in any other times and start your plugging now.

There is some doubt in the minds of those who signified their intentions of taking the intensive course in Naval Architecture as to whether or not the course has met with the approval and cooperation of the Navy Department.

The Tech regrets to announce the resignation of W. Raymond McKenney '19 as Managing Editor and of Lawrence Winant '20 as Advertising Manager.

Inaugurating a new policy, which it has been deemed advisable to do at the present time, The Tech will from henceforth appear on Tuesday and Friday instead of on Monday and Thursday.

SPECIAL ORCHESTRA MEETING

There will be a special meeting of the Technology Orchestra Thursday afternoon at 5 o'clock in the "Caf," at which important business matters are to be settled.

concerts in mind, and a decision must be reached concerning these.

Mr. Howard, who coached the musical program of the Tech Show last year, is expected to be present to give the players an idea of the work which is to be done this season.

The last concert given was at Ayer and both the players and the audience of draftees were well pleased with the performance. The management has planned similar concerts during the rest of the season.



The Question Box has been inaugurated for SERVICE. So many questions have arisen, and so many doubts have been expressed among both the student body and the Alumni about the relations of Technology and Technologists to the war, that the WAR TIME TECH has deemed it advisable to establish a medium for clearing up these difficulties.

Address all inquiries to The Question Box Editor, The Tech. The name of the questioner will be withheld from publication, but each letter must be signed.

The Question Box is for YOU personally. Be sure you use it!

Question Box Editor.

The Tech.

Dear Sir:

Will you please tell me just how much more work will be required each term of students taking the intensive courses proposed by the Institute? Will there be an omission of any of the courses now given? Yours truly, D. M. C.

Under the present ruling, no more work will be required each term, and the present arrangement of 720 hours will continue. Some of the subjects will be omitted entirely, while others will be condensed. The "intensive" part of the schedule is the maintenance of work throughout the summer months.



In view of the fact that a large number of the seniors of the University of Michigan are leaving for military service, there is some agitation among the faculty members that the lead of Yale be followed in conferring a special degree with a military distinction for those men who have qualified in part for a degree.

President Butler, in his annual report to the Board of Trustees of Columbia University, recommended sweeping changes in the admission requirements, limitation being his chief point, and a re-classification of the students into junior and senior college groups.

Although no announcements to that effect have yet been made, it is believed that West Virginia is negotiating to secure the services of Hugo Bezdek, former Oregon Aggie coach and present manager of the Pittsburgh Nationals, as director of their gridiron fortune for next season.

Bursar U. H. Smith of the University of Indiana, has been scouring Bloomington for coal in order that the buildings may be heated and classes conducted. The situation is somewhat relieved now, although last Saturday twenty-five tons of low-grade coal were all that relieved the emptiness of the University's bins.

Forty-seven men reported for practice at the first ski trip of the Dartmouth Outing Club, taken on the hills around Norwich. Plans are being made for the Winter Carnival events, and special meets will be held to determine the competitors for these events.

The recent nominations for officers of the freshman class of the University of Pennsylvania have been declared void and elections are not to be held until several hundred first year men have paid their class dues.

"Don't rest until the war is over," was Harry Lauder's advice in a thrilling speech recently delivered to Yale men. Lauder has just returned from the Western front, where he has been entertaining the British soldiers.

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ROSENFELD AND RAPKIN

INSTITUTE PROFESSOR GIVES POWERFUL LENSES TO NAVY

Receives Letter of Appreciation From Navy Department

Recently one of the Institute's professors received the following letter in acknowledgment from the Navy Department for the gift of some powerful "Zeiss" lenses. The glasses were sent in response to a call issued by the Navy for binoculars and is an excellent example of the sacrifices which Institute men are making other than that of actual service. The glasses will find prompt and important use in the sighting of periscopes in foreign waters. The letter:—

December 8, 1917.

Dear Sir:—
Your prompt and patriotic response to the NAVY's call for binoculars is most appreciated. The glasses will be very useful in the prosecution of Naval Observations until victory is won.

At the termination of the war, if possible, every effort will be made to return them to you, when it is hoped you will feel compensated for any evidence of wear, by the knowledge that you have supplied "Eyes for the NAVY" during a very trying period.

On behalf of the NAVY I wish to thank you most heartily.

Very respectfully,
(Signed) FRANKLIN D. ROOSEVELT,
Assistant Secretary of the Navy

BOILER TEST

(Continued from page 1)

every hour, weigh the ashes when the ashpit was cleaned out, and record the total weights for each hour and for the shift. In addition to this he had to take a sample of the coal each time that the large coal hopper on the weighing machine was filled by the supply chute, and take records of the time when ashes were removed, stokers started and stopped, etc.

Number four man took a sample of the gases going up the flue at varied intervals and analyzed every hour to determine the constituents of the wasted gases, recording the average components for the shift.

Number five man took records of each of the several draft gauges and of the boiler horse-power meters at intervals of a few minutes, and calculated the averages for each hour and the shift. After four hours this man changed with number one.

Number six man read the temperatures of the boiler steam for the several boilers and the temperatures of the air inside and outside the station every fifteen minutes, recording the averages.

Number seven man took feed water readings on the Venturi meter and the temperature of the return water in the basement at regular intervals recording the averages.

All the records and averages were turned in to number eight whose duty it was to estimate the efficiency of the plant during his shift.

By this method the students were given a working knowledge of the modern plant and its operation. This is a practical development of an idea of William Barton Rogers, that the best way of teaching a subject to students is by making them perform practical tests and take personal observations.

COAST ARTILLERY MATERIAL AT LIEUTENANT RUGG'S OFFICE

Proper Insignia Must be Worn on Left Sleeve of Overcoat

Coast Artillery material ordered for students may be obtained at Lieutenant Rugg's office, room 1-011, and should be called for immediately.

As the fleeced-lined trench coat has been prescribed as the regulation coat for members of all Technology units, those cadets who wear the regulation olive drab overcoat must wear the proper arm badge on the left sleeve of the coat, in the same position as on the blouse.

Previous orders in regard to officer's insignia in the case of men who hold commissions in the Technology Regiment, and who are also in a technical R. O. T. C. unit but not officers in such unit, have been revoked. As all of the units are organized under the R. O. T. C. requirements, officers of the Infantry Regiment will wear R. O. T. C. insignia, but will attend instruction in Coast Artillery, Signal, Engineer, or Ordnance Corps as privates. During the drills of the last mentioned four courses these men will not attempt to exercise any authority or command by reason of their Infantry commissions, and to avoid the incongruity of officers with insignia in ranks, they will, during such drills, remove the shoulder insignia but make no other changes in uniform, collar or cap ornaments, or arm badges to attend either the drill with the regiment or with the technical units.

ARCHITECTURAL SOCIETY HOLDS SMOKE IN COMMON ROOM

Mr. Blackall Speaks on The Progress of Architecture

The Architectural Society recently held a successful smoker in the Common Room. The walls of the room were hung with banners and other ornaments, and colored streamers were arranged between the lights, which cast a reddish and very pleasing glow over the room. Tables laden with refreshments were placed about the room, and at one end stood a Christmas tree. While the refreshments were being consumed, Santa Claus issued forth from one of the walls and bestowed a few crackers upon some of the deserving members of the society. He was greeted with laughter and the contents of a few bottles of ginger ale. Mr. Blackall, a prominent Boston architect, sketched the progress of Architecture from its early stages and spoke about the effect of the war upon the profession, while Mr. Carlsson gave a criticism on the sketches of a "Citadel of Peace," a problem just completed by the students.

"Architecture," said Mr. Blackall, "commenced with the constructing of buildings in an orderly manner, and the architect was a master builder. He did the work himself and was looked upon as an inferior person. There were no railroads at that time, and only one piece of work could be done at a time. The Renaissance marked the beginning of a divorce between the building and the builder, for the architect now supervised the construction and other men did the manual labor. About 1830 architecture became a business and continued as such until 1876. Great progress has been made since that time, steel, concrete, and terra-cotta having come into prominence, which were almost unheard of before this period.

"Each man must decide for himself what architecture means to him. An architect can hardly be called a business man or an engineer. He must not necessarily be able to draw well, although to be able to do this is a great asset, but he must have imagination and originality and must be able to carry out his ideals.

"The architect will have difficulty in keeping his place if he does not broaden out. He must be a business man and an engineer and he must associate with the builder and the engineer. In the next few years probably the only kind of work that the architect will do will be Government work; so he must look upon his profession as one which is large enough to cover any kind of construction work and must not hold back because the job is a little out of his line. It is natural that some men can do certain things better than other men can. It would therefore be profitable if architects could work together, but this cannot be accomplished because of the opposition to a union. Mr. Blackall recommended that the code of ethics be abolished and in closing gave a few words of advice. Aim high, let your light shine, and be a leader."

ALUMNI COUNCILS

(Continued from page 1)

forming their regular work without any breaks.

The Tech, represented by P. C. Leonard '17, has had a successful year, especially last summer, when the number of Alumni and undergraduates subscribing was increased to several thousand. Financially, The Tech has had no difficulties, the advertising department being above all efficient in its work. Although many of the officers have been forced to give up their work, due to war conditions or other reasons, great interest is being taken in the paper by the freshman class.

Technique 1919, reported by D. O. Mayer '19, believes to have reduced its expenses far below those of other years, without decreasing the excellence of the publication. Subscriptions have been slow in coming in, but the officers believe that their quota of a thousand will be filled on time.

G. M. Macheie '18, reporting the Technology Monthly, stated that although the periodical had not been very successful financially, the outlook was good, for he management hopes to increase the income by additional advertisements and subscriptions.

The Finance Committee, represented by R. W. VanKirk '18, has not been as active as usual this year. It therefore decided at the meeting to detail this Institute Committee as an agent to see that the Finance Committee be aided in every possible way, as it is an important part of the student activities. The action of the Alumni Advisory Council is only advisory, but it is expected that it will be an important factor in any move taken by the Faculty with reference to the changing in status of any of the student activities.

INSTITUTE APPOINTS NEW MEMBERS OF FACULTY TO FILL GAPS MADE BY WAR

Demands For Technically Trained Men Continually Reducing Technology's Roll of Professors and Instructors

THE constant demands made by the Government and the industries allied to war for men technically trained are continually drawing from the Instructing staff of Technology so that each succeeding list shows how closely in line with war work the teachings of the Institute are arranged.

PROFESSOR SEDGWICK TO ADDRESS RADCLIFFE STUDENTS

Will Speak on "Opportunities Which War Has Developed for Woman's Work."

On Thursday next, January 10, Professor W. T. Sedgwick of Technology is to address the students of Radcliffe on the general and interesting subject of "Opportunities Which the War Has Developed for Woman's Work."

Professor Sedgwick is in touch with the authorities in Washington as well as with the educational world, and he realizes the keen interest that exists on every hand in the speeding up of technical education. This means that not only is there demand for young men technically trained, but that places are being made which can be filled by young women; in fact, the ability of women to help in many newer fields has never before been so strongly indicated.

The matter is, it is true, mutual, and the health of the cantonment reflects that of the population surrounding it, but most of the imposed burden, especially in cities like Bridgeport, where war demands have practically doubled the number of residents, rests with civic authorities. Here the United States Public Health Service and Red Cross are ready to lend their aid, but the problem remains just the same a local one. It is here that men and women inspectors, public health nurses and laboratory assistants are a crying need. This is a field into which comparatively few women have ventured in the past, and here in the future the number is likely to be largely increased.

The need of trained sanitary workers will not cease at the coming of peace. It is true that some relationships will be returned to "ante bellum" order, but it may readily be that some of the problems of protection of the public will be even more urgent. The regular supply of sanitarians will be depleted, some of them actually lost, and many others diverted into collateral channels through interests aroused by their war work. On the other hand, there will be burdens of poverty and ill-health laid on the populace, and in the train of these diseases which war and the lowering of vital resistance promote, which will be heavier than ever. The field for workers in sanitation will therefore be increased and the needs even more pressing.

Professor Sedgwick, therefore, asserts that it is the duty of all educational institutions to speed up, and especially those which are in a position to help toward turning the technical work the men and women who are competent, so that the gaps may be filled which are already showing in the ranks of sanitary engineers, sanitary chemists and sanitary biologists and workers in public health in all its departments.

ARTICLES FOUND

The students who have lost the following articles may obtain them by applying to the office of the Superintendent of Buildings and Power, room 3-005, with a complete description of the missing things.

Two black and white silk scarfs; one brown woolen scarf; one black and green silk scarf; one pair fleeced-lined gloves; one pair fur-lined gloves; one pair khaki woolen gloves; one pair gray mocha gloves; one case containing eyeglasses; one metal case; one pin with photograph; one gold cuff link; one Ingersoll wrist-watch; one pearl handle knife; one black handle knife; five bone handle knives; one English High School pin—year 1915; one gold ring with red stone.

COSMOPOLITAN CLUB

Early in next term the Cosmopolitan Club purposes to have a "Russian Night." The entertainment will be entirely in the hands of the Russian members of the club, and will include dancing, refreshments and addresses on Russia.

Resignations of assistants that are now to be chronicled are, from the department of Civil Engineering, H. V. V. Fay and F. B. Hastie, who are lieutenants in the Engineering Corps and B. M. McDill, who has similar rank in the Cavalry; from Biology, Elmer H. Health, Jr., who is in the Medical Corps, U. S. A., stationed at Camp Devens; from Physics, Joseph Del. Manus, drafted and A. A. Hardy, who has entered the army; from History, W. H. J. Kennedy, to be staff officer in the Reserve Corps and from Drawing, W. F. C. Gartner, who has gone into Government work.

Leave of absence has been given to an Associate Professor in Physical Chemistry, Frederick G. Keyes, who is Captain in the Chemical Section about to go somewhere abroad; while the leave of Professor Albert Sauveur, who is somewhere near the top in the technicalities of aviation materials and who is somewhere abroad, has been extended until the beginning of the next academic year. Albert S. Smith, superintendent of buildings and power, who received some months ago his commission as Captain in the Engineer Corps, has been called to service.

The appointments in the regular courses are all to the position of assistant, save Dr. Duncan MacInnes, now Research Associate in Physical Chemistry, has been appointed to serve in this capacity during the absence of Dr. Keyes, and Francis D. Everett has been named Research Assistant in Electrical Engineering. The following have been made assistants: In Civil Engineering, Paul Connor and Claire D. Acker; in Mechanical Engineering, Frank Olson E. B. Sewall and Philip O. Yeaton; and in Drawing, Clifford K. Rathbone.

In the school of Military Aeronautics, Professor C. H. Peabody resigned from the position of President of the Academic Board and Charles J. Emerson from that of Dean of the school. Professor C. B. Breed has been appointed President and J. C. McKinnon President's Assistant. In the different departments of this school the following appointments have been made to the position of Instructor: Engnes, George Davis, N. C. Macdonald, E. L. Fuller, E. P. Sheehan and W. R. Hennessey; Aerial Observation, H. C. Weber; Signalling, P. S. Haselton; and Military Drill (assistant instructor) R. F. Lewis.

In the Naval Aviation Detachment the following appointments to the position of Instructor have been made: W. Crepeau, F. Ellis, A. G. Hoelscher, J. H. LeCain, W. Clifford and L. S. Ray.

CHEMICAL SOCIETY TRIP

The members of the Chemical Society are to visit the plant of the Gillette Safety Razor Company in South Boston on Thursday. Those who wish to take this trip should meet in the lobby at 2.00 o'clock. There are many things in this plant which should prove of interest to chemists; for example, the processes of electroplating and those of making the finished blade from the steel. According to the statement of one of the officers of the company, they have some automatic machinery for the handling of the blades which is unexcelled by any in the world. All of this was designed by a graduate of Course Five at the Institute.

CATHOLIC CLUB

The regular monthly meeting of the Catholic Club will be held on Wednesday, January 9, at 6.00 o'clock in the "Caf." It is planned to have Mr. Joseph Riley of the Massachusetts Civil Service Commission address the members of the club concerning the work of Cardinal Newman.

All members of the club are urged to be present as plans of the year, including those of the informal dances, are to be discussed. As in previous years the list of club members in good standing will be published in this year's Technique, so the management asks all those who have not paid their dues to date to do so before the Wednesday meeting. A buffet supper will be served before the business is taken up.

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**Technology Men
in War Service**

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

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- Class of 1887
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- Class of 1889
HARRY L. ROGERS, Col. Q. M., U. S. A.
- Class of 1890
SCHUYLER SCHIEFFLIN, Capt. Sig. Corps.
- Class of 1892
THEODORE H. SKINNER, Capt. Q. M. Corps.
FRED'K G. STRITZINGER, JR., Major 23d Inf., detach. as Q. M.
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JOHN C. STEVENS, Capt. 101st Cav.
- Class of 1895
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- Class of 1896
CHARLES J. SMYSER, Capt. Med. R. C.
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WALTER E. SPEAR, Major, Q. M., U. S. R., Camp Upton, N. Y.
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Cir. No.	Position	Service	Salary	Date of Exam.
1	Surveyor	General Land Office	\$1200-\$1800	Feb. 6-7
25	Junior Telegraph and Telephone Engineer	Interstate Commerce Commission	\$720-\$1680	Jan. 23
32	Laboratorian, qualified in Chemistry & Physics	Dept. Elec. Engr. Nav. Acad., Annapolis	\$1000	Jan. 15
37	Specification Writer	Bu. Yds & Dks. Navy Nat. Advisory Comm for Aeronautics	\$4.72-\$7.04	Jan. 15
56	Mech. and Elec. Engr.		\$1500	Jan. 15
1402	Assoc. Physicist, qualified Metallurgy	Dept. of Commerce	\$2000-\$2400	Jan. 15
1492	Asst. Physicist, qualified Metallurgy	Dept. of Commerce	\$1400-\$1800	Jan. 15
1492	Laboratory Asst.	Dept. of Commerce	\$1000-\$1320	Jan. 15

Until further notice and on account of the urgent needs of the service, applications will be received at any time. Papers will be rated promptly and certification made as the needs of the service require.