

DRAFTING BEGUN IN THE CAPITAL AT 9.30 TODAY

PLENTY OF ROOM FOR MORE SEA ENGINEERS

Institute Laboratories Can Take Care of Many Others—Only Thirty at Cambridge Despite Need for Competent Men

PROFESSOR MILLER BUSY

That the free Government School for Marine Engineers at Technology has plenty of room for more engineers with the ambition to improve their ratings and wages, is a fact that Henry Howard '89 of the United States Shipping Board wishes to make known to the engineers of New England. In accordance with the plans laid for Mr. Howard by Professor E. F. Miller of Technology, seven schools in ports of the country, that in Boston, however, having the greatest capacity.

Although there are now thirty men in the Government school at Technology, about as many as the laboratories of some of the stations will accommodate, the Institute can readily care for one hundred and fifty, so that many more engineers may come to receive the advantages of this intensive work.

There are in general ten types of men who may qualify for admission into one of these free engineering schools—oilier with two years' sea experience, water tender with the equivalent of two years at sea, graduate from the engineering class of a nautical school, graduate in mechanical engineering from a technical college, stationary engineer in charge of a 1000-horsepower plant, locomotive engineer, journeyman machinist who has worked on marine engines, machinist's apprentice with six months' sea experience, engineer on lake, bay or sound, fireman who has been three years at sea. Where the experience is not mentioned, it may be secured after the courses. Applicants for the school at Technology should register with Henry Howard at the Boston Custom House.

ENGLISH FLYER SAYS U. S. TRAINING IS LIKE BRITISH

Aviation Schools Here Inspected by Lieut. Col. Rees, V. C.

WASHINGTON, July 12—Lieut. Col. L. F. W. Rees of the British Royal Flying Corps, who recently came to the United States to be attached to the aviation service of the United States, has just made a tour of inspection with Major Hiram Bingham of the American aviation school grounds. He said the difference between the British and American schools of primary aviation training was slight.

Lieut. Col. Rees is one of the two or three most distinguished fliers in the British Army. He has won both the Military Medal and the Victoria Cross. "I looked over five of the six American colleges where 1,200 American students are enrolled for aviation training," he said, "and was impressed by their resemblance to ours in England. Experience taught the instructors to keep the cadets, or primary students, as closely as possible to theory, leaving the problems of actual flying to the higher aviation school. Let a man first know his engine, his Vickers or Lewis gun, his map reading, his compass, his radio—then, and not till then, is it time to initiate him in the tricks of the vehicle which is to carry him into battle.

"It may be a surprise to the average boy who entertains an ambition to become a soldier of the air to know that military drill is regarded as an important item in an aviator's training. In the flying fields behind the lines the men are called for parade every morning. Flying machines are no longer fought irresponsibly. They now travel in well organized groups, each machine acting its part with careful reference to the whole."

INSTITUTE ALUMNUS GETS FRENCH WAR DECORATION

(Special to The Tech)
LONDON, July 10—Announcement was made here yesterday that President Poincare of France had conferred the Cross of Chevalier of the Legion of Honor on W. B. Poland '90, who was director in Holland of the American Commission for Relief in Belgium. The cross was bestowed "in consideration of the courage with which you denounced before the German authorities and the American Government the deportations made in northern France."

The medal and also the decoration recently awarded by President Poincare to Herbert C. Hoover for his work with the Belgium Commission have been accepted on behalf of the commission.

Mr. Poland went abroad in the spring of 1916 to serve on the Belgium Commission under Herbert C. Hoover and has been in active service ever since. Before his affiliation with the relief Commission, Mr. Poland was in the engineering department of J. G. White Company, New York.

DEAN BURTON AWAY

Baltimore Shipping Board School Calls Him to Maryland

In the course of the opening of his chain of schools, managed by Technology for the U. S. Shipping Board, Dean A. E. Burton of the Institute has had to go to Baltimore to start the school for chief officers in that city.

To some of the more important schools it has seemed desirable to go personally, and one of the previous trips was to Maine, where there are now four schools giving to capable mariners the practice in observations and computations that they will need as deck officers. Philadelphia started bravely a couple of weeks ago, but the strain of a new school just at the close of a season of hard work proved too much for the specialist selected, so a change in instructors was made there, Professor Harrison W. Smith of the Institute replacing Professor Doolittle. Likewise in Baltimore Professor Anderson, who had confidently expected to assume charge of the school in connection with Johns Hopkins, was obliged to disappoint Professor Burton. He will therefore be in Baltimore on Thursday, ready to open the school and act as its director till he can select some local man for the work.

The marine officers' schools have been opened at the rate of one every two days till now there are some twenty-four already running, with six more to come in Southern waters, and four on the Pacific Coast. It is vacation time for professors and many are absent, and the government is making demands on skilled technicians of every kind, so that the furnishing of directors and assistants for the thirty odd schools is a considerable labor. For the two schools at Technology and those of New England mostly men from the Institute instructing staff are in charge, and other colleges have responded to the call of the government and have furnished men skilled in the mathematics of navigation and experienced in the handling of steamships.

MERCHANT RECRUITING OFFICE MOVES

Applications are coming in so rapidly at Boston headquarters of the recruiting service of the United States Shipping Board that today the recruiting service was obliged to move to larger quarters on the twelfth floor or the Custom House Tower. Temporary quarters were established by the recruiting service, which is directed by Henry Howard, on the eighth floor, early in June. With the opening of free Government schools in navigation and marine engineering, applications began to flood the office. They came from many parts of the country. In less than a month the temporary quarters of the recruiting service became inadequate.

MUST HAVE GOOD CAUSE TO GET ON EXEMPT LIST

"Must Be in Industries Necessary To the Maintenance of Military Establishment," Say Draft Regulations

PUBLISHED LAST WEEK

Section 55 of the "Rules and Regulations Prescribed by the President for Local and District Boards" is published in full as follows:—

Sec. 44. Procedure of district boards in cases where a district board has exclusive original jurisdiction under the terms of said act of Congress.—District boards have exclusive original jurisdiction, in respect of any person whose name has been certified to a district board as called by a local board within its jurisdiction and who has not been exempted or discharged, to hear and determine all questions or claims for including or excluding or discharging any such person arising under the following provision of said act of Congress authorizing the President to exclude or discharge—

persons engaged in industries, including agriculture, found to be necessary to the maintenance of the Military Establishment, or the effective operation of the military forces, or the maintenance of national interest during the emergency.

A claim for discharge under this provision of said act of Congress may be filed with a district board by, or in respect of, any person whose name has been certified to the district board by a local board within the jurisdiction of such district as one called for service by such local board and not exempted or discharged.

Any such claim for discharge must be filed with the district board on a form provided by the Provost Marshal General and supplied by district boards and local boards for that purpose on or before the fifth day after the mailing by a local board of notice to such person that his name has been certified to such district board as called for service and not exempted or discharged.

The statement on the registration card of any such person that exemption or discharge is claimed shall not be construed or considered as the presentation of a claim for discharge.

Such a claim may be filed by any such person on any of the following grounds:

1. That he is actually engaged in a particular, designated, industrial enterprise, or in a particular, designated, agricultural enterprise necessary to the maintenance of the Military Establishment; that his continuance therein is necessary to the maintenance thereof and that he cannot be replaced by another person without direct substantial material loss and detriment to the adequate and effective operation of the enterprise in which he is engaged.

2. That he is actually engaged in a particular, designated, industrial enterprise, or in a particular, designated, agricultural enterprise necessary to the maintenance of national interest during the emergency; that his continuance therein is necessary to the maintenance thereof, and that he cannot be replaced by another person without direct substantial material loss and detriment to the adequate and effective operation of the enterprise in which he is engaged.

3. That he is actually engaged in a particular, designated, industrial enterprise, or in a particular, designated, agricultural enterprise necessary to the maintenance of national interest during the emergency; that his continuance therein is necessary to the maintenance thereof, and that he cannot be replaced by another person without direct substantial material loss and detriment to the adequate and effective operation of the enterprise in which he is engaged.

The word "necessary" as used in said act of Congress shall be construed and held to mean that the discontinuance of, or serious interruption in, the par-

(Continued on page 2)

Notifications and Exemption Proceedings Will Come From Local Boards, Not Through Registrar's Office

DON'T KNOW GOV'T STAND ON ENGINEERS

(Special to The Tech)

WASHINGTON, July 20, (10.00 o'clock)—At 9.30 o'clock this morning the great lottery commenced for the drawing of those citizens of the United States who will form the large American overseas army authorized by the conscription bill. The drawing was held in the public hearing room of the Senate office building where only the invited guests, Secretary Baker of the war department and members of the Senate and House military committees were admitted to witness the draft.

Inasmuch as registration for the draft by Technology students was accomplished through the office of Registrar Humphreys, it has been thought by many of the students that notification of draft and exemption proceedings would be carried out through the same channels. This is not the case, the registration cards having been distributed to the local exemption boards, so that each candidate is registered in the district where he has his home. Exemption negotiations will probably have to be made direct with local authorities of the draft boards.

Whether or not college men will be conscripted is still in doubt although the War Department has signified its willingness to recognize the technical man and the engineering student. According to advices received this morning the Joint Committee on Preparedness at the Institute will have important information on the status of Technology men the beginning of next week.

That the United States discourages the enlistment of men engaged in professions in the American armies, businesses or trades vitally necessary to the carrying on the great war now waging in the American armies is shown by an extract of a letter from the War Department reprinted a short while ago in the fifth bulletin of the Washington office of the Technology Clubs Association. In the same bulletin the statement is issued that in the drafting of men under the conscription act, full recognition will be made of the fitness of the technically trained man to serve in an industrial capacity rather than in

the military. Just what stand the government will take on the undergraduate of draftable age is not known, but in the light of the above expressions of opinion, it is expected that students at technical schools will be returned to their colleges to complete their training.

An extract of the Washington bulletin follows:

We have submitted to the President and the Secretary of War the following recommendation relative to Volunteer Enlistments:

"That a definite effort should be made in filling the Regular Army and National Guard by volunteer enlistment, to discourage the enlistment, in other than technical forces, of technically trained men, skilled industrial workmen, and students in engineering, medical, and industrial schools."

The attitude of the War Department toward the matter is distinctly more encouraging. On June 12th, the Secretary of War issued a statement of the needs of the Regular Army, which concluded as follows:

"It is the earnest desire of the War Department that 70,000 single men, between the ages of 18 and 40, who have no dependents and who are not engaged in professions, businesses, or trades vitally necessary to the prosecution of the war, be enlisted in the Regular Army before the 10th of June, 1917."

We have urged upon the Secretary that this statement be given publicity and called to the attention of all recruiting officers. We now suggest further, that copies of this statement be posted in plants engaged on work connected with the prosecution of the war, with the request that employees confer with their department chiefs before joining organizations being recruited by voluntary enlistment.

Conscription

We have submitted to the President and the Secretary of War, along with a number of letters and resolutions bearing on the matter, the following recommendations relative to exemption under the Conscription Law:

"That the District Exemption Boards, provided by the Conscription Law, should be composed of citizens of the very highest type at least some of whom, in each case, should be qualified by training and experience to understand our problems of productions and to determine wisely the essentially engineering questions upon which these Boards will have to pass; and

"That the organization of the Nation as a team in which each man shall play the part for which he is best fitted, rather than individual indispensability, should be kept before the Exemption Boards as their guiding principle."

The Secretary of War has assured us that these suggestions "are entirely in harmony with the spirit of the selective service bill, and meet in every way the needs of the situation."

BAYONET DRILL IN SHADE

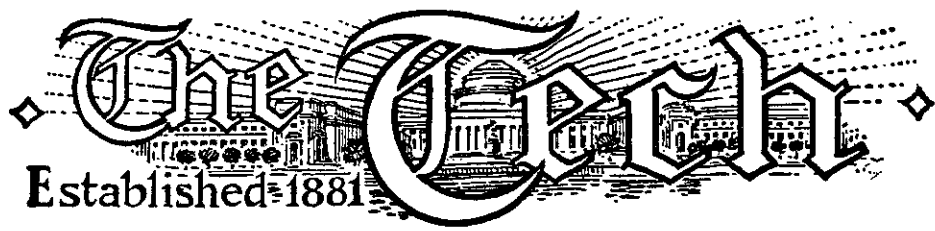
Hot Sun Drives Plattsburgers to Cover of Barracks Wall

PLATTSBURG, N. Y., July 17. (delayed.)—In a hot sun vigorous bayonet exercises were attempted today for companies from both training regiments. Company commanders, however, soon marched their men to the shade of the brick barracks, where they might practice in more comfort. Battalions digging trenches south of the camp were divided into alternate working parties, each swinging picks and shovels for fifteen minutes, and the men remained cheerful, in spite of the heat.

Late in the forenoon two battalions returned from their overnight bivouac. They covered the ten miles in schedule time, and sang lustily all of the way. Two hours later another battalion from each regiment left the training camp to spend the night on temporary campsites ten miles out of Plattsburg. Companies 4, 5 and 6 of the New York Regiment encamped at the Little Ausable River, while New England Companies 1, 2, 6, and 7 marched north of Plattsburg to Beekman town and Port au Roche.

Seventeen men have been selected, after a special physical examination for the ground aviation school at the Massachusetts Institute of Technology, Cambridge. The men who will leave Saturday are:

From the New England Regiment, M. M. Knowles, E. C. Gregory, L. B. Baker, D. B. Cauchon, F. E. Ash, R. P. Martin, R. H. Spear, and W. W. Pinney; from the New York Regiment; Edward Butts, Jr., E. M. Height, L. Mason, Jr., G. A. Muliner, A. E. Peterson, W. E. Tuttle, J. C. Pemberton, S. D. Connolly, and S. E. Grey.



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Although communications may be published unsigned if so requested, the names 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.

FRIDAY, JULY 20, 1917

THE INSTITUTE AND THE DRAFT

AMONG the 687,000 who are to be drafted during the next few days, there will undoubtedly be included some Technology men. What will be the service they are called upon to do, rests with the Government working through the exemption boards.

There are those who would applaud the first course of action as being democratic,—a blow against class distinction. Such a position would be justified were the sons of Technology trying to evade their duty and to shift the burden to other shoulders.

They do not, however, feel that it is too much to ask of the Government an opportunity to give the full service of which they are capable as engineers. They have acquired by hard labor and sacrifice a high degree of technical knowledge, a knowledge which experts predict will command a premium before the end of this war.

TO THE ALUMNI

MORE than thirteen months ago, there was dedicated to the service of national education, the great gift of Technology's Alumni. This gift was paid for by contributions from every live alumnus the world over, each giving according to his means.

Realizing the necessity of meeting this desire, the Alumni Committee on Publications decided to use The Tech as the official medium for dissemination of all Technology news. The answer is plain. If you want to keep abreast of what is being done by all Technology men you will subscribe to The Tech now.

MUST HAVE GOOD CAUSE TO GET ON EXEMPT LIST

(Continued from page 1)

ticular, designated, agricultural enterprise in which the person is engaged would result in substantial material loss and detriment to the adequate and effective maintenance of the Military Establishment, or the adequate and effective operation of the military forces, or the maintenance of national interest during the emergency.

The word "necessary" as used in the phrase "that his continuance therein is necessary to the maintenance thereof" in these regulations shall be construed and held to mean that the withdrawal of the labor or service of such person would directly result in substantial material loss and detriment to the adequate and effective operation of the military forces, or the maintenance of national interest during the emergency.

Affidavits in support of or in opposi-

tion to any such claim shall be filed within five days after the filing of a claim for discharge by or in respect of any such person.

The words of the act "persons engaged in industries, including agriculture," shall not be construed and held to mean that a person engaged in a particular industrial enterprise or particular agricultural enterprise is entitled to be discharged by reason of the fact that such class of industry, taken as a whole, or agriculture, taken in its entirety, is necessary to the maintenance of the Military Establishment, or the effective operation of the military forces or the maintenance of national interest during the emergency.

In order to substantiate any such claim the evidence submitted must establish that the particular, designated, industrial enterprise or particular, designated, agricultural enterprise is necessary to the maintenance of the Military Establishment, or the effective operation of the military forces, or the maintenance of national interest during the emergency.

The evidence must also establish, even if the particular industrial enterprise or particular agricultural enterprise is found necessary for one of the above purposes, that the continuance of such person therein is necessary to the maintenance thereof, and that he can not be replaced by another person without direct substantial material loss and detriment to the adequate and effective operation of the particular industrial enterprise or particular agricultural enterprise in which he is engaged.

In order to assist in securing uniformity in decision and practice of district boards and to provide for co-operation and coordination between the necessities of the Military Establishment, the military forces and national interest, and the industries, including agricultural, found to be necessary to the maintenance of the Military Establishment or the effective operation of the military forces or the maintenance of national interest during the war, the President may, however, in his discretion, from time to time ascertain and determine which industries, including any agricultural industries, or classes of industries, including agricultural industries, are necessary for the purposes specified in said act of Congress, and may certify to the respective district boards, with the force and effect of regulations prescribed by the President in accordance with the terms of said act of Congress, that a designated industry, including any agricultural industry, including an agricultural industry or a designated class of industrial enterprises is or are necessary for one of the purposes specified in said act of Congress.

In the event that any industrial enterprise or agricultural enterprise is included among those so certified, the evidence submitted to the district board must nevertheless establish the facts that the continuance therein of the person, by whom or in respect of whom the claim is made is necessary to the maintenance thereof, and that he can not be replaced by another person without direct substantial material loss and detriment to the adequate and effective operation of the particular industrial enterprise or particular agricultural enterprise in which he is engaged.

It shall be the duty of each district board to ascertain by its own methods the existing conditions in industries that may be claimed to be necessary within the meaning of the act of Congress and these regulations and the agricultural conditions as a whole within its jurisdiction, as they may be affected by the drafting into the military service of the men called by their respective local boards within its jurisdiction.

It shall also be the guest of each district board to ascertain as near as may be the labor supply available for such necessary industries and for agriculture outside of the men called for military service; and to take into consideration all such facts in determining such claims, and the effect of the efforts of governmental agencies to mobilize and to make such labor more efficient.

If, in the opinion of the district board, the direct substantial material loss to any such industrial or agricultural enterprise outweighs the loss that would result from the failure to obtain the military service of any such person, a certificate of discharge may be issued to him subject to the conditions of Section 45 hereof.

Within five days after the closing of proofs in any such case, the district board shall decide in favor of or against any such claim.

STUDENTS AND THEIR DUTY

(From The American Review of Reviews)

"War fever" has been especially prevalent in some of our colleges and schools, with consequences not wholly desirable. If we had been entering upon a ninety-day struggle, immature undergraduates, along with everybody else, might well have rushed to the enlistment booths. But the particular exigency called for nothing of the kind Congress and the authorities at Washington were amply able to develop an army and navy system, and to find the proper types and classes of men in suitable numbers. It is particularly desirable that students in our schools and colleges should stay at their work and finish their courses, provided their work be thorough, and of a kind to prepare them for mature and efficient service after they graduate.

Furthermore, there are no other circumstances where military training can be given so economically and conven-

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iently as in the large colleges and schools. Afternoons and evenings afford time for as much drill and as many lectures as military instruction could well require. The bodies of young men are already assembled, the college provides the dormitories, the commissary service is furnished, and little more is required except khaki suits, rifles, and a military instructor or two. The conscientious student at college may do all the work that pertains to his course of study while improving his health and fitting himself for future service, by taking military instruction regularly. Such a young man, after graduation, can soon qualify if he is needed for a officer's commission. Or if he enters the army as a private he may count upon rapid promotion. Young men at West Point are merely college students who are under military discipline and who take special studies in military science because they expect to enter the army. The student at Yale, or at the University of Nebraska (Technology or anywhere else), who will avail himself fully of opportunities for military training while at College, serves the country best by sticking to his course, precisely as the West Point boy does—his duty by remaining at West Point rather than by rushing off and enlisting as a private.

COMMUNICATION

To Technology men and women and all interested in the work of Technology in the war: The Friends of Technology, an organization formed to provide for the men at the front and cooperate with wives and mothers left behind, urge you to join its membership. The Central Committee comprises Mrs. Edward Cunningham, Chairman; Miss Mabel K. Babcock, Mrs. Harry M. Goodwin, Mrs. Frederick T. Lord, Miss Evelyn Walker, and Mrs. Edwin S. Webster. Watch The Tech for an account of its undertakings, and send one dollar initiation fee for the duration of the war, to Mr. W. K. Curtis, Treasurer, 702 Sears Building, Boston. Generous donations have been made to the treasury, more must be secured. The work which can be done is limited only by the amount of support which it receives. Your personal cooperation as a friend and as a worker is desired. The membership is open to men and women, graduates or friends of graduates, in all parts of the world where Technology and its standards are known.

YALE WILL HAVE NO FOOTBALL NEXT SEASON

NEW HAVEN, July 18—Definite proof that Yale will have no varsity football next fall was furnished today by the official announcement that the gridiron schedule, which was arranged last January, has been cancelled. Yale delayed this action till it seemed certain that war conditions would make it impossible to continue athletics for the present. Yale is now making up a light schedule for its freshman eleven and hopes to close it with games against Harvard and Princeton '21. No definite word has been received from either university, although Prof. Corwin of Yale and Dean Briggs of Harvard discussed it informally at a conference in Boston this week. Dean Briggs seemed pleased with the plan, but is by no means certain that Harvard will adopt it. Prof. Corwin will represent Yale at the intercollegiate athletic conference in Washington.

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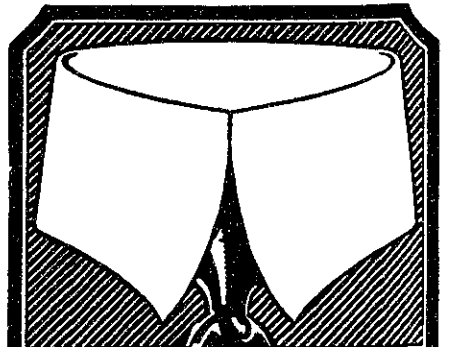


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Junior Battalion At The Water Hole Near Norwood



Photo by International Film Service

The War-Time Tech

TECHNOLOGY itself is giving remarkably effective war service to the Country.

THE ALUMNI in large and rapidly increasing numbers are in government or industrial work essential to war success.

THE UNDERGRADUATES are efficiently fitting themselves for similar patriotic duty.

TECHNOLOGY WOMEN are organizing to provide for men at the front and to co-operate with wives and mothers left behind.

Already Institute men are in **EUROPE**, and Lansingh '98 is on his way to open a Technology centre in Paris.

The thousands of Technology men and the hundreds of thousands interested in the Institute should have news of all this and should have it promptly.

THEREFORE the undersigned have co-operated to render this news service by making **THE TECH** the organ of **ALL TECHNOLOGY** for the period of the war.

THE WAR TECH WILL GIVE:

NEWS straight from the live Alumni centre at Washington, in the heart of things.

NEWS from the fifty local Technology Associations all over the Country.

NEWS from the Technology centre in Paris, in touch with all those at the front.

NEWS from the Summer Camp, from Plattsburg and from all other training camps where Institute men may be.

NEWS of the varied activities of the Institute itself and of its teaching staff.

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THE TECH

Paul C. Leonard '17, General Manager.
Kenneth Reid '18, Editor-in-Chief.

YALE EXPECTS LARGE ENROLLMENT IN FALL

Like Institute, Have Had Many Candidates for Entrance

NEW HAVEN, July 17.—Report from the entering classes at Yale, although incomplete in detail, make it certain that there will be no material decrease in the number of students who will form the classes which come into the two undergraduate departments, the academic and the Sheffield Scientific School, in September. It has been feared that the war would severely cut down the entering classes in both these departments, but it is now evident that the diminution in Yale student numbers the coming year will be largely in the upper classes, whose members have gone by the hundreds into the service of their country.

In the Sheffield Scientific School the number who registered for final examinations, intending to enter Yale this fall, was fully as large as that of a year ago, and the number who took preliminary examinations, intending to enter the university in 1918, was much larger. This is a sign which is regarded at the university as encouraging in the extreme. There were 377 members in the "Sheff" freshman class last year and it was reported at the office of the school today that the number would be, apparently, fully duplicated in the entering class this fall.

In the academic department there may be some falling off in numbers. There were 453 in the freshman class last year, a record-breaking number. At present about 350 registration blanks have been received.

From the academic department classes who will be in college the coming school year, about 150 members have already gone to war from the incoming senior class, and not quite 100 from the incoming junior class. From the incoming senior class in "Sheff" about 100 and from the incoming junior class about 125 have entered military service. President Hadley of Yale estimated recently that the loss in revenue, because of war enlistments, would probably fall nearly a quarter of a million dollars below the amount which would otherwise be secured.

CITY COLLEGE IN NEW YORK REPEATING WAR COURSES

As the result of a great demand, the College of the City of New York will repeat its free course in military map making, reading and surveying, with emphasis on airplane reconnaissance, beginning July 16, to continue for six weeks, as a part of the regular Summer session of the college, which started July 2.

The first class in military topography yesterday completed a successful term begun early in June to train men who would be mustered into Federal service on July 15. Only twenty-four were admitted into the group, so as to insure thorough individual instruction. Sixteen of these men have already entered

some arm of service in which their training at City College will be their most valuable asset. Two will be sent into the Field Artillery, two are now on duty with the 22d Engineers, one has been assigned to special work in Washington with the Council of National Defense, seven are candidates for the next Officers Training Camp, and four are in the infantry acting as instructors.

The course will be given again under military discipline by F. O. X McLoughlin, C. E., instructor in engineering, and a man who has held every post in the plotting room of the Coast Defense. The second session will be even more interesting and instructive than that just completed, because the department has acquired some rare military maps, which have been added to the equipment already owned.

Some of the problems which have been worked out on European maps are the military features of Paris and environs, Metz, and of sections of Turkey and the Dardanelles that saw action in the present war.

The Summer session of Hunter College also offers, in addition to its regular academic work, several courses in preparation for war relief. On Thursday Miss Kutz of the department of physiology and hygiene will deliver the first of a series of ten lectures on food conservation. The series will follow in general the plan sent out from Washington to lecture bureaus in support of Mr. Hoover's campaign. The intensive course in wireless telegraphy and the course in land-line telegraphy in the Hunter curriculum are new contributions to patriotic service. The wireless course meets from 9 to 12 and from 2 to 5 daily except on Saturday and Sunday, with optional code practice on four evenings in the week. At the end of ten weeks the students will be fitted to take the examination for a Government license.

SIXTEEN SCHOLARSHIPS AWARDED IN CAMBRIDGE

Registrar Walter Humphreys yesterday communicated to Mayor Rockwood of Cambridge the list of Cambridge high school students receiving scholarships at the Institute next year. Sixteen will receive this mark of appreciation which the Institute gives to the city where it has its home. The list of men to whom the awards were made follows:

Thomas V. Brosnahan '18, of 32 Loake street; William A. Jones '18, of 42 Bigelow street; Frederick A. Magoun '18, of Kirkland street; Warren J. Scott '18, of 1423 Cambridge street; Ralph A. Cartwright '19, of 147 Magazine street; Anthony W. Contieri '19, of 17 Holworthy place; Francis J. Coyne '19, of 60 Holworthy street; Francis J. Bunker '20, of 5 Ashton place; Eric L. Ethrington '20, of 37 Lee street; Gustaf O. Frederickson '20, of 30 Pilgrim street; Robert E. Robillard '20, of 486 Huron avenue; Osborne A. Browne, of 582 Putnam avenue; Hartwell Fleeming, of 136 Elm street;

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In transmitting this notification, Mr. Humphreys took occasion to say that excepting those who have graduated from the Institute, all the young men who held scholarships last year have maintained them for the coming year. The five new scholarships for freshmen were selected according to the rules made for the Cambridge scholarships and were won on the basis of their entrance examinations and scholarship qualifications.

Trustees of Colgate University have hit upon a plan for scholastic and athletic endeavors at the institution which should draw approval from all parts of the United States. It was voted to shorten the next college year and make it more intensive.

The college will open Oct. 4 and close May 17, 1918. Classes will be held six days each week instead of five and the usual Easter vacation will be abandoned. In this way the usual amount of recitation hours may be had.

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WASHINGTON

Position	Service	Salary	Date of Exam	Cir. No.
Asst. Teacher	Philippine	\$1,200-\$2,000	August 22-23	1493
Director Traffic	Ordnance	\$1,800-\$2,000	August 7	1622
Insp. Small Arms	Various	\$1,500-\$2,400		1550
Asst. Engineer	Forest Service		August 8	1572
Forest Products	Madison, Wis.	\$1,200-\$1,500		1578
Insp. Undergarments	Quartermaster	\$2.00 p. d.		
Dairy Manufacturing Specialist	Dept. Agriculture	\$1,800-\$2,500		1551
Asst. Dairy Manufacturing Specialist	Dept. Agriculture	\$1,500-\$1,740		1551
Master Gage Expert	Dept. Commerce	\$2,000-\$3,500		1520
Gage Inspector	Dept. Commerce	\$1,800-\$2,400		1520
Asst. Gage Insp.	Dept. Commerce	\$1,000-\$1,600		1520
Insp. Powder and Explosives and Asst. Accountant	Ordnance	\$1,400-\$2,400		1549
Asst. Plant Pathologist	Ordnance	\$1,800-\$2,700		1521
Aeronautical Mechanical Draftsman	Dept. Agriculture	\$1,800-\$2,040	August 7	1593
Asst. Director Traffic	Signal	\$1,200-\$1,400		1517
	Ordnance	\$1,200-\$1,600		1516

JULY 18, 1917

1802

1917

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ALUMNI NOTES

J. H. Leavell '07, and E. L. Mayberry '07, are at present in training at Vancouver Barracks, Vancouver, Wash., for the engineers officers' reserve corps. They both attended the camp at Presidio, San Francisco, for four weeks when they were sent to Vancouver. Mayberry has already received a commission as captain, engineer officers' reserve corps, class B.

O. W. Potter '07, is at Presidio, in training for a commission in the infantry officers' reserve.

Washington Correspondence

By Maurice R. Scharff,
Executive Secretary, Technology Clubs
Associated.

908 Union Trust Bldg.

July 18, 1917.

David Benbow '12, has been commissioned Lieutenant in the Ordnance Department, stationed in Washington.

A. F. Morrison '12, has been commissioned Lieutenant in the Ordnance Department, and assigned to temporary duty in Washington.

Alexander Macomber '07, Captain Engineers Corps, has just finished his course at the American University and has been assigned to special duty in connection with artificial lighting for trench warfare.

Senter '17, is in training at the American University, Washington, in the Engineers Corps.

Charles Saville '06, Director of Sanitation for the city of Dallas, writes that the Texas Public Health Department is specially active in view of the fact that several of the Army Camps will be located there.

O. G. Fales '07, representing Gregg Co., called on his way to Spain, to which country he is carrying a lot of railroad material for his firm.

Training Camp Salaries

Adj. Gen. H. P. McCain has issued the following statement:

When the first instructions were given as to payment of candidates at officers training camps the payment of \$100 per month was authorized for civilian candidates only. Reserve officers were to receive the pay of their grades and enlisted men of the National Guard and Regular Army the pay of their grades.

It was seen at once that this was not fair to the enlisted men, and this was corrected as soon as it was determined that payment could legally be made to enlisted men at the same rate as to civilian candidates.

On June 19, 1917, it was finally determined that such payment was legal. The necessary orders were issued, and enlisted men of the National Guard and Regular Army at training camps receive exactly the same pay and the same allowance for rations as civilian candidates, viz., \$100 per month pay, and 75 cents per day for rations.

Authorize Nitrate Plants

The Secretary of war has authorized the following statement:

By direction of the President certain plants will be immediately constructed for the production of nitrates from atmospheric nitrogen. The plants to be constructed do not involve the use of water power, but the total expenditure involved in these projects is about \$4,000,000. Nothing further can be said at this time about the process or the location of the works which are to be constructed. Of the total amount appropriated by Congress, namely, \$20,000,000, substantially \$16,000,000 remains undesignated as to its expenditure by the President.

Prof. Arthur A. Noyes is a member of the committee which is studying this problem.

Dr. W. K. Lewis '05, Professor of Chemical Engineering at the Institute,

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J. H. Smythe '14, William Green '06, are associated in work for the Interior Department in connection with investigations regarding gases.

Arthur C. Dorrance '14, has been commissioned First Lieutenant and transferred from Ft. Myer to Fortress Monroe.

Howard B. Luther '05, is assisting Lt. J. C. Hunsaker '12, of the Navy, in connection with the aviation work.

A. M. Holcombe '04, of Carr & Carr, Patent Solicitor of St. Louis, has been commissioned Captain in the Ordnance Division of the Officers' Reserve Corps. He is in the Small Arms Division and is in charge of the patent and legal work and the preparation of contracts and specifications.

H. K. Franzheim '13, is at the Aviation School, located in the University of Illinois.

G. B. Hiltz is with the Second Battalion of the R. O. T. C. at San Francisco.

A. C. Foster '04, has been transferred by Congressman Fuller from the Packard Motor Car plant at Boston to the Congressman's Washington office.

INSTITUTE MEN ACTIVE IN BUILDING WOODEN SHIPS

According to information received from C. A. Wentworth '96, chief engineer of the Foundation Company in New York, that concern is actively engaged in war work. Ten wooden ships for the United States, five for the British and forty for the French governments are now under construction, while a launching ways for two battle cruisers at the League Island Navy Yard are building under the same company. T. C. Atwood '07, is in the engineering department of the Foundation Company.

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