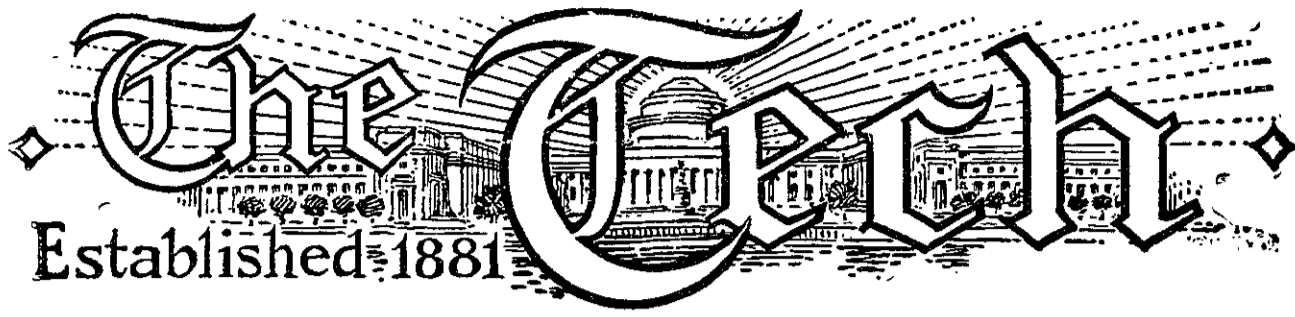


# INSTITUTE TO OPEN OCTOBER 7



A Record of  
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for 36 Years

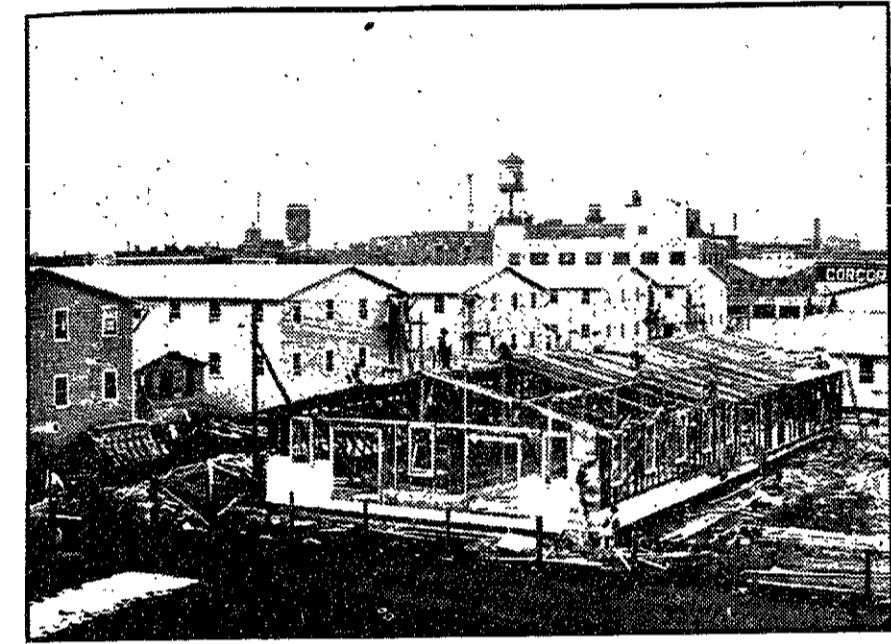
Founded as  
the Official News Organ  
of Technology

Vol. 38, No. 52

CAMBRIDGE, MASS., SATURDAY, SEPT. 28, 1918

Price Three Cents

## S. A. T. C. BARRACKS NEARLY COMPLETED



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NEW S. A. T. C. BARRACKS AT TECHNOLOGY WITH MESS HALL IN FOREGROUND

## NAVAL UNITE ENROLLS 102 INSTITUTE MEN

168 Students Have Taken The  
Physical Examination, But All  
Are Not Sworn In

### MEN TO RECEIVE PAY

At Technology the coming of Lieutenant John Paul O'Neil, U. S. N. and his assisting personnel for the establishment of a Naval Unit in the Student Army Training Corps, has been the sensation of the week. Established in the seminar room of the Department of Biology, the group of yeomen, five of them armed with typewriters, has formed the nucleus of a very busy party, which has already enrolled one hundred and two of its quota of four hundred Tech students who are to form this unit.

What the Army is to do in establishing the S. A. T. C. at Technology is already well known. For its sixteen hundred student-soldiers the great group of barracks with attendant kitchen and mess-hall, quartermasters' stores and administration building has sprung from the ground almost as from the touch of an Aladdin genius, and a good deal has been said about the changes in the curriculum to fit the new lines of instruction, but till now, not a word about the Navy. It was only on Saturday that an interview with the administrative force at Tech, Registrar Humphreys, Dean Burton and Bursar Ford, disclosed what the Navy had in view, namely the establishment of what will be really a S. N. T. Detachment, but almost instantly everything was arranged. On Monday Lieutenant O'Neil was on the ground at nine o'clock and ready for business.

The enrolling company includes besides the Lieutenant, Assistant Surgeon W. W. Munsell, U. S. N. R. F.; Ralph E. Stover, chief yeoman; Jacob S. Rober, Chief Carpenter's mate, and Raymond W. Ricker, all U. S. N., together with John J. Reddy, yeoman; Ross A. Sheppardson, pharmacist's mate; Fred C. Buttner, yeoman, and for clerical force, Mary Riordan, chief yeowoman and Winifred A. Delay, Theresa Doherty, Sadie A. Delorie and Helen J. Canty, yeowomen, the latter group all U. S. N. R. F. This company has come from

(Continued on page 3)

## UNIVERSITY UNION

Twenty-One Attend Technology  
Dinner Sept. 7

On Saturday September 7th, the regular monthly Tech dinner was held at the Union. Lieutenant Colonel Norris of the Chemical Warfare Service and of the Institute Faculty was one of the speakers as was also Professor Gunn of the Rockefeller Foundation. The following boys were present at the Dinner on September 7th, 1918

H. Mitchell '10, W. H. Blank '16, A. G. MacAlister '18, R. C. Heyl '18, R. M. Phinney '04, E. L. Kaula '16, Richard C. Catton '13, C. H. Mower '88, Dugald C. Jackson (Faculty), H. C. Mabbot '12, Harold B. Davis '12, Joseph DesLoge '12, M. C. Kerr '08, S. W. Gunn '04, Richard H. Ranger '11, C. P. Kerr '11, James F. Norris (Faculty), G. M. Rollason '13, William W. Dodge '16, Harold P. Gray '16 and Donald E. Woodbridge '16.

Following is a list of Technology men who have visited the Technology Bureau from August 29th, to September 11th, inclusive.

August 28th, Walter L. Medding '17.  
August 29th, Leverett Bradley '13;  
James R. Milliken '18; Robert M. Phinney '04; G. C. Wagner '12.  
August 30th, C. O. Colrman '16; Elmer P. Griesemer '20; Penn Brooks '17; Edwin W. Woodward '17.  
August 31st, McCeney Werlich '15; N. Warshaw '16; W. B. Shippey '19; I. G. Hall '18.

September 1st, Philip D. Terry '10.  
September 2nd, Arthur R. Stubbs '14; Elton Walker '90.

September 2nd, Donald N. Swain '17; Lawrence B. Cahill '19.

September 4th, Chas. A. Meserve '95; William W. Dodge '16; Donald R. Dixon '14.

September 5th, G. M. Rollason '13; R. B. Catton '13; Harold Lockett '10; Frank W. Bucknam '16.

September 7th, Joseph DesLoge '12; Harold C. Mabbott '12; H. N. Buck '13; Benj. W. Guppy '89; R. M. Phinney '04; R. H. Ranger '11; H. Mitchell '16; W. H. Blank '16; W. C. Kerr '08; C. P. Kerr '11; S. W. Selbridge '13.

September 8th, H. C. Watkins '12; E. L. Moreland '08; Paul H. Duff '16; Richard H. Catlett '17; Reginald Norris '96; Richard McLaughlin '17.

September 9th, McCeney Werlich '15; Lewis Gerstle Mach '15.

September 10th, Frederick B. Barns '14.

September 11th, H. C. Mabbott '12.

## FACULTY DECIDES TO AWARD DEGREES TO THE CLASS OF 1919

### INSTITUTE OPENING POSTPONED UNTIL OCT. 7

At the request of the Federal and State authorities, the Institute will postpone its opening until October 7th. This action is due to prevalence of Spanish Influenza and Grippe which has spread throughout this section of the country.

Induction into the S. A. T. C. will continue throughout next week, although the unit will not be organized until October 7. For those students who come from a great distance, and who have already started their trip to Boston, sleeping accommodations will be provided after October 1st.

Registration for the Academic Courses will be held next Wednesday, October 2nd.

### PROF. BURTON ON SOUTHERN TRIP

Professor A. E. Burton of the Massachusetts Institute of Technology, who has general care and supervision over the Deck Officers' Schools of the U. S. Shipping Board Recruiting Service, is now on a ten days' trip to the stations along the Gulf. It is by this care and supervision that Professor Burton has been able to maintain these schools at the same high standard, and he has not found anything that he has permitted to interfere with the plans. He has himself started a number of the schools, he has twice before made trips to the South Atlantic Coast and at two other times has undertaken the round of all the schools.

### MEN IN SERVICE

The report of the War Service Auxiliary up to Sept. 21 is as follows:

Men in Service 2456, Foreign Service 720, Aviation 418, Navy 408, Officers 1555, Officers Training Corps 175, Inspection and Instruction 114, Ambulance, Red Cross, etc. (A. E. F.) 60, Lt. Colonel or higher 32, Cited for exceptional bravery in action 16, Deaths 44.

### PENN TO HAVE FOOTBALL

Football will be played at the University of Pennsylvania this Fall, but as an Army Training Corps sport. This was the solution arrived at by the University council on athletics yesterday. All members of the S. A. T. C., including freshmen, will be eligible for the team. Robert C. Folwell has been reengaged as coach.

A country worth fighting for is a country worth saving for. Buy Thrift Stamps.

### NAVAL AVIATION

Men of one or more years of college experience, who desire to apply for the Naval Reserve Flying Corps should join the Naval Unit of the S. A. T. C. and apply later to their commanding officer for transfer to this service. Information concerning Naval Aviation can be obtained at Room 1225, Little Building, Boston.

"WAR-SAVINGS STAMPS mark an epoch in our NATIONAL LIFE."—Secretary McAdoo.

Word has just been received from the Emergency Fleet Corporation that Mr. A. Farwell Bemis '93 offers ten scholarships for the intensive course in Naval Architecture which will be given by Professor Peabody beginning October 1.

## One Hundred and Fifty-Five Members of the Class Are Eligible, Having Completed Professional Studies During Summer Months

### NO THESE REQUIRED

As a further evidence of its desire to be helpful to the country in the great existing emergency of war, the Faculty at its last meeting voted to confer degrees on all '19 men who had completed their studies. For the standard here Technology has required the completion of the professional studies, but has waived the usual time limitation and has not required the thesis and its attendant research. The young men are therefore with the exception of the experience that the thesis work affords and some cultural studies, at the point where they usually are at Graduation. They have gained this place through continuous work, having taken up at the Sophomore summer camp their Junior studies in advance and having continued practically without vacation through the summer school of the present year. They have accomplished their work and will receive their degrees and are moreover able to place themselves as well-grounded engineers at the service of the nation some eight months ahead of the normal time, which is in June of next year. Notice of the awards is on the way to the graduates and their diplomas will follow in the course of time. At present one hundred and fifty-five students have been awarded their degrees.

## S. A. T. C.

### Many Men Enroll At Technology Under Major Cole

This week there has been active enrollment in the S. A. T. C., for which a group of military officers under Major Edwin T. Cole, U. S. A., retired, commandant, has been detailed. Half a dozen surgeons have been conducting physical examinations and other officers have been at work on the clerical matters related to enrollment and induction. The S. A. T. C. it is expected will touch sixteen or seventeen hundred and will include every able-bodied American student in the school.

During the week the company of students in the great lobby at Technology has been rapidly increasing. The news of the formation of the S. A. T. C. brought many enquirers, while the finishing of the summer schools has remained in this vicinity an unusually large number of men. Early this week the crowd was augmented by the return of the Sophomores from the Civil Engineering camp at East Machias, Me., and these young men will strengthen the group that is headed for the S. A. T. C. Of importance in the number is the company of sub-freshmen, who have now caught up with their fellows and although entering only last February, are now ready to take up Sophomore year studies. It was an experiment, the admission of new freshmen at mid-year's, but it has proved to be exceedingly successful. There is usually a large falling-off of freshmen who enter at regular times, but with these men such care had been taken in their selection that of the hundred and some odd, only one has been obliged to withdraw, and only three were conditioned in any way. Normally in a group of freshmen of this number five or six would have fallen by the wayside and perhaps twenty, conditioned. It is possible that the experiment will be repeated in January, but it will still be an experiment, and the possibility of catching up will be greatly lessened since the regular work is to be practically continuous.

Following is the list of graduates of the class of 1919, with their home addresses and their courses. The degree conferred in B.S. (Bachelor of Science) and the course is indicated by a Roman numeral.

- Franklin Stanley Adams, VI., Stockbridge.
- Fred Phelps Baker, X., Denver, Colo.
- Marshall Couter Balfour, VII., Marlborough.
- William Howard Banks, Jr., VI., Roslindale.
- Ray Hayward Bartlett, XIII., Lowell.
- Gilbert Francis Beers, I., Taunton.
- Morris Berkowitz, II., Roxbury.
- Henry Bernard Blumberg, II., Roxbury.
- Walter Thomas Biggar, I., Dorchester.
- Robert Stuart Bolan, X., Dorchester.
- Jacob Joseph Beletin, VI., Youngstown, Ohio.

(Continued on page 4)

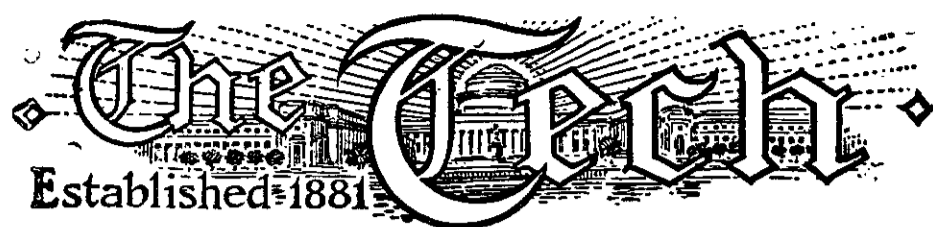
### SHIP DESIGN AND SHIP CONSTRUCTION

Under the auspices of the Education and Training Section of the United States Shipping Board, Emergency Fleet Corporation, Technology is arranging to convert young engineers and architects into naval architects and shipbuilders to aid in designing and constructing vessels for America's great fleet of merchant ships. As the supply of technically-trained men is not sufficient to meet the demands of the shipyards, the Institute will increase the supply in a ten weeks' course of instruction beginning September 30th, at Cambridge, Mass.

Applicants desiring to be enrolled in this school should be graduates of civil, mechanical, electrical, mining or architectural engineering courses, if not graduates, or should have the equivalent of such training. Their applications should be sent before September 25th to the Education and Training Section, Emergency Fleet Corporation, Philadelphia, Pa.

Men who have completed their junior year in college in any engineering course mentioned will also be accepted if the school is not previously filled with graduates or the equivalent as specified above.

Those who pursue this intensive training course are expected to devote their entire time to it for ten weeks.



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Homer V. Howes '20 ..... General Manager
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News Department—Editorial Staff, G. W. Cann '19, K. B. White '20; Assignment Editor, E. L. Etherington '20; News Staff: D. W. Curry '21, P. E. Guckes '21, E. R. Haigh '21, R. Kennedy '21.

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.

SATURDAY, SEPTEMBER 28, 1918

CONCERNING INFLUENZA

THE old proverb "It is an ill wind that blows nobody some good" is right again. Influenza will probably necessitate an extension of the Summer vacation another week—probably a life saver for many of us.

THE NAVY AT THE INSTITUTE

AMONG the ninety-five universities and colleges mentioned as having naval sections of the Student Training Corps, the Institute stands with Yale, Illinois and Harvard as the four colleges with the largest assigned quotas.

WE will be able to study when we please after we get into the S. N. T. C. or S. A. T. C.: go to the movies afternoons and evenings when the home lessons are especially light; and no "plugging" until two o'clock in the morning to make up for past sins.

THE TECH announces the resignation of George W. Cann '19 from the position of Circulation Manager because of graduation. Lincoln B. Barker '21 will assume the duties of this office, from which he was given leave for the summer months.

K. B. White has entered military service, and is now a second lieutenant. He therefore resigns from the Editorial Staff of THE TECH.

E. R. Haigh '21 has been elected Military Editor and all communications regarding men in service should be sent to him.

P. E. Guckes '21 has been elected Photograph Editor.

H. Kurth '21 and C. A. Clarke '21 have left the Institute and resign their positions as Night Editors.

T. W. Hough '19 has received his degree, and is therefore no longer connected with THE TECH. M. W. Burkett '21 will resume the duties of Assistant Circulation Manager from which he was given leave for the summer months.

Rivalry between the freshmen and Sophomores is a thing of the past. Army and Navy hostilities, however, will more than make up for it.

Now that cold weather has come, the Coop. has installed a soda fountain. Quite appropriate. Perhaps we will be able to buy hot chocolate there next August.

PERSONALS

Francis P. Gilbert, son of Mr. and Mrs. Frank P. Gilbert of 6 Odell Ave., Beverly, Mass., who has been made a second lieutenant in the Sanitary Corps.

Lieutenant H. Godwin Parker, recently commissioned and assigned to the Army Medical School, Sanitary Corps, Washington, is a graduate of Technology with the Class of 1918.

Friends of Herbert B. Lerner '18 will be pleased to hear that he has received a Lieutenant's commission in the Public Health Service. Lerner is now stationed at Florence, Alabama and has charge of Food Control work in the Muscle Shock Sanitary District.



HERBERT B. LARNER '18

and Luscumbia. In addition to his work inspecting goods and sanitary conditions, he is working in the typhoid inoculation laboratory in Florence.

Lerner is a graduate of the Biology and Public Health course at Technology. During his senior year he instructed in Histology. He prepared for Technology at the Rindge Technical School, Cambridge.

"The campaign of public education among the French has been brilliantly successful. Dr. S. M. Gunn of Technology, who is in charge of this, has shown genuine genius for the work. Posters, pamphlets, postcards, newspaper articles have been prepared by French artists and writers for the French public.

FROM AMERICAN UNIVERSITY UNION

MARK CURTIS KINNEY, class '11, is a first lieutenant in the Royal Air Force B. E. F. In a recent letter from him, he speaks of an accident from which he is now recovering in the hospital. He had several machine gun wounds in an air flight and as he wrote us, he was able to make an excellent landing in his own field without further mishap.

Robert H. Allen '16 Aspirant in the French Artillery, was recently in Paris on a 12 days permission. His first engagement was the offensive of July 15, which he came through without a scratch.

JOSEPH S. DESLOGE, class '12, has just graduated from Fontainebleau; he has left within a few days to join his battery. Both Desloge and Allen are in batteries of 75 commonly called in French as "Soixante Quinze."

FENTON G. ELWELL '19 also graduated from Fontainebleau in the class with Robert M. Allen. He wrote in recently saying that everything was going all right with him, but he said that he missed the American tobacco very much, which we have fortunately been able to send him from the Treasure Chest.

COLONEL NORRIS spent considerable time in the Tech Bureau, and he

seems to think that the Tech Bureau is very representative and he enjoyed the use of it.

A. W. BUCK of the American Red Cross, recently returned from Salonica, and is staying at the Club. He was associated in Salonica with Charles E. Fox, class '14 in the Red Cross work.

Arthur R. Brooks '17 is now Flight Commander of the 22nd Aero Squadron. Richard J. McLaughlin recently brought word that he had seen Arthur Brooks and that Brooks had brought down his third Hun.

The Boston Herald of September 22 gives the following account:

Arthur Brooks of Framingham, Mass., brought down two enemy airplanes on Sept. 14 in an "air dog-fight" during which he was practically surrounded in the air with his rudder completely shot away. Official confirmation of his double victory was made today and puts him on the army records as one of the American aces.

"Brooks was leading an aerial patrol over the American rear areas en route to the front when 12 fast German machines pounced upon him. The Germans dove from behind a cloud, their leader first and the others in a line after him, firing as they came. Escaping the enemy streams of lead, Brooks maneuvered for position as the machines swept by and when all had passed below he did a little firing for himself.

"His fire was accurate and the first enemy plane fell. In the melee which followed, another Boche felt the full force of Brooks' machine gun, but in the midst of the fight a Boche plane dived to Brooks' tail, cutting off the controls. The American pilot could manoeuvre no further and had to land.

This double victory, which has put Framingham on the map, is the fourth to Brooks' credit in two months. He won his first victory in the Chateau Thierry sector, July 29. The second followed Sept. 1, and the third two days later."

Lieut. Benj. P. Bradford of Wayne, Me., a graduate of the Technology Ground School of Aviation, who was recently killed in action in France. He was 21 years of age and graduated last year from Bowdoin College.



LT. B. P. BRADFORD

graduated he was sent to France where he received his instruction in the air.

His brother, H. B. Bradford, connected with the Chicago Pneumatic Tool Company, received last week a letter from a Y. M. C. A. secretary telling him of his brother's death, but this letter placed the death at a date before one on which his brother had mailed a letter to him. Mr. Bradford accordingly wrote to Washington for the facts in the case and had not yet received a reply this morning when his brother's name appeared in the casualty list.

TALK BY PROFESSOR SEEVER

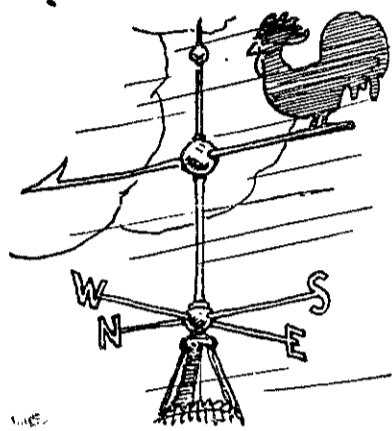
The first talk in the series on "A Century of American Labor" was given last evening at the Old South Meeting-house. Miss June Adkinson presided. "The Beginnings of American Industry" was the subject discussed by Professor Henry L. Seaver, docent at the Museum of Fine Arts and instructor at Technology. Professor Seaver illustrated his talk with lantern slides.

"W. S. S." means "We Save Soldiers."

Make "W. S. S. your buy-word."



Which Way Is The Wind Blowing at Technology ??



IS THE OFFICIAL WEATHERVANE OF THE ALUMNI OF TECHNOLOGY. IT GETS WIND OF HAPPENINGS "OVER THERE." IT WILL TELL YOU WHEN YOUR CLASSMATE DOWNED HIS FIRST BOCHE FLIER. SEND A DOLLAR AND A HALF FOR SIX MONTHS' SUBSCRIPTION.



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### CORDAGE and TWINE



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If you buy a \$100 bond of the Fourth Liberty Loan you are lending the United States Government enough money to feed a soldier in France a little more than seven months. Or you have furnished enough money to give him a complete outfit of winter and summer clothing, including shoes and stockings, and slicker and overcoat and blankets, with enough left over to arm him with a good revolver. You have done that much to beat back the Hun. It takes \$35 more to arm him with a rifle with a bayonet on it, and if you buy a second \$100 bond you furnish him this rifle and 1,000 cartridges for it; and there will still be enough of your money left to purchase a good-sized bomb to throw in a dugout, or demolish a machine gun together with the Hun operating it.

### 102 MEN IN NAVY

(Continued from page 1)

the Navy Mobilization Station now at 51 Cornhill

The work has thus far really been ahead of the game, for one of the requisites of enrollment in the Naval Unit is that the applicant be a student at Technology. Since registration at Technology was to begin only today the number of students in the city has been limited and it is certain that there will be a rush next week and that applicants will far outnumber the stated limit, four hundred, of the unit. The process of enrollment includes examination by the surgeon and his assistants, the filling of the blanks by the typewriters and the production of the required documents, including birth certificates.

Since the barracks in the Technology yard were for the presumed number of the S. A. T. C. it has been necessary to provide other quarters for the Naval Unit, and these men will be berthed in the drawing rooms of the department of Civil Engineering which have just been vacated by the U. S. A. School of Military Aeronautics, in the Copernicus tower. Instead of being Camp Copernicus these barracks will probably be termed the good ship Copernicus. These men will eat in the general mess hall, not near completion, which for the present at least will be a Technology venture. The men of this Naval Unit will be rated as apprentice seamen and will receive uniforms to be worn at all times, and pay to the amount of \$32.60 a month, plus commutations for food and tuition.

During the summer months the work of the Naval Aviation Detachment has gone so quietly as to excite no comment. The infirmary has been finished with a capacity for about fifty men, but is in use rather as a dispensary. The placing of most of the students under military regulations, whereby they are to live in barracks, has given the Institute the opportunity to place the dormitories at the service of the Naval aviators. This will free the Walker Memorial of some of its congestion, and will permit the clearing of the gymnasium in part and the use of it for its intended purpose.

There seems to be an impression abroad the navy is not going to pay the tuition of the quota of young men to be admitted to the naval sections of the students' training corps. This is not true.

The army gives the students the regular enlisted man's pay and takes care of subsistence, instruction, etc., in special contracts with each college. The navy will enter into no contracts with the different colleges, but it will give the naval students the regular pay of an enlisted man and then in addition a certain allowance to cover their board and tuition.

The navy will, of course, base its allowance on the rate paid by the army in its special contracts, so the naval students will have the advantage of the arrangements made by the army and the funds will be paid by the navy through the students. It amounts to the same thing as the army is doing, but the procedure and medium of payment is different.

Naval students, however, will have to furnish their own cot or bunk—or bed; because the pay of an enlisted man in the navy is \$32.60 a month, whereas the army pays only \$30, the officials at the navy department have thought the student could get hold of a bed for himself for a few dollars and still be better off than the army student, who doesn't own the bed the college furnishes him by contract with the war department or which the quartermaster corps may assign to him. Rental of the rooms, however, is to be included in the rate per day which the colleges are to give naval students to cover instruction and subsistence.

A corrected circular letter sent by Admiral Palmer of the bureau of navigation dated today gives the latest information as to the method of operation of the naval sections of the students' army training corps.

It says, in part: "Students subject to draft desiring to enroll in the United States naval unit or naval corps at certain specified institutions which have been assigned naval quotas shall make application to the navy department's representative present at the institution for entry into the navy."

"Applications shall be considered in the order in which filed and applicants shall upon satisfactorily meeting the physical requirements for entering the navy on Oct. 1 be admitted into the naval reserve force as apprentice seamen. An enrolling officer of the navy will be present at the institution prior to Oct. 1, for the purpose of perfecting arrangements for enrolling on or about Oct. 1 in accordance with the regulations agreed upon by the war department and navy department. The number accepted from any institution shall not exceed quota assigned to that institution with-

out permission of the navy department.

"The curricula of the United States naval units and the naval section students shall be based upon a term of three months, similar to that followed by the students' army training corps. There shall be a preparatory course for the line and basic engineering courses to meet the engineering needs of the navy."

"Instruction as to the curricula will be issued by the navy department from time to time. Commandants of the United States naval units shall, in conjunction with the college authorities, arrange courses subject to approval of the navy department."

"Members of the United States naval units and the naval section of the students' army training corps will after a certain period be selected according to their performance and assigned naval duty in a training camp."

Some members of the naval reserve who have already been taking courses of instructions in the colleges and who previously had enlisted in the navy will not be counted in the quota assigned to the college where they are studying, but they must immediately join the naval section of the students' army training corps.

In all 95 institutions are to have naval sections. Some of these with the quotas assigned to each are as follows:

- University of Alabama, 50; Yale University, 600; University of Chicago, 200; University of Illinois, 400; Northwestern University, 100; Armour Institute, Chicago, 50; University of Iowa, 100; Iowa State College, 100; John Hopkins University, 50; Harvard University, 400; Amherst College, 50; Williams College, 50; Worcester Tech, 50; Tufts College, 100; Massachusetts Tech, 400; Holy Cross, 60; Boston University, 50; St. Louis University, 50; University of Missouri, 150; Washington University, St. Louis, 50; Dartmouth College, 50; Princeton University, 250; Stevens Institute, 200; Colgate University, 50; College of the City of New York, 200; Pratt Institute, 50; Syracuse University, 150; University of Buffalo, 50; Columbia University, 300; Cornell University, 310; Fordham University, 50; Webb's Academy, Fordham Heights, 50; New York University, 50; University of Pennsylvania, 500; Lafayette College, 50; Lehigh University, 60; Penn State, 200; University of Tennessee, 50; University of Wisconsin, 300; Marquette University, 60; University of Texas, 150; Baylor University, Waco, Tex., 100; Texas A. and M. College, 100.

The quotas were based upon a percentage system which took into account the number hitherto enrolled and graduated and the kinds of technical students available for engineering branches of the navy. There is no restriction of admission on geographical grounds.

As these figures were merely estimates based on probable enrollment, they may be adjusted from time to time, but the entire quota of 12,000 students which the navy is to get from the draft will not be exceeded. In January or at the end of succeeding terms, each of which is three months long, there will be room for more boys. Probably about 25 per cent. will come out of these naval sections by January and be assigned to naval camps or other duty in the navy.

### WHAT THE LIBERTY LOAN HAS BOUGHT FOR THE ARMY

From the beginning of the war to June 30, 1918, the last day of the past fiscal year, contracts were placed by the Ordnance Department of the United States totalling \$4,300,000,000. The estimate for the current year is over \$7,000,000,000. The major items of last year were as follows:

- Artillery, \$1,050,000,000; automatic rifles, \$300,000,000; small arms, \$100,000,000; artillery ammunition, \$1,900,000,000; small-arms ammunition, \$340,000,000; small-arms ammunition (practice), \$80,000,000; stores and supplies (personal, horse, and organization), \$230,000,000; armored motor cars, \$100,000,000, total, \$4,100,000,000.

Some other expenditures by the War Department were \$375,000,000 for engineering operations, mostly in France; \$37,000,000 for flour, \$145,000,000 for sugar, \$43,000,000 for bacon, \$12,000,000 for beans, \$9,000,000 for tomatoes, \$2,000,000 for rice, \$47,500,000 for rolling kitchens, \$127,000,000 for shoes, \$565,000,000 for clothing; for blankets, \$147,000,000.

Some smaller expenditures were over \$6,000,000 for axes, \$1,635,000 for field stores, \$2,700,000 for carpenter, and \$224,000 for blacksmith tools, \$2,500,000 for shovels.

The department has bought 266,000 wagons and carts, costing \$37,000,000; and 410,000 horses and mules, costing \$99,000,000; food for them cost \$62,000,000, and harness \$29,000,000.

These are only some of the figures. They seem large, but not so large when it is remembered that we have nearly 2,000,000 men in France and almost as many in training here at home. All of this money and all the other money raised by the Liberty loans goes to make our Army, our Navy, and our people powerful and victorious in their war for freedom and right.

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## 1919 AWARDED DEGREES

(Continued from page 1)

George Reynolds Bond, Jr., X., Springfield.

Norman Tobitt Bourke, A.B., II., Omaha, Neb.

Stanton Holway Breed, II., Worcester.

Miss Celeste Johnson Brennan, VII., Boston.

Benjamin Hiel Bristol, 2d, II., Foxboro.

Daniel Hyman Brown, X., Lawrence.

Royden Lyman Burbank, X., Somerville.

George William Cann, XIII., Lynn.

John Stanley Carter, II., Malden.

Ralph Arthur Cartwright, II., Cambridge.

Richard Francis Cashin, Jr., V., Cambridge.

Charles Augustine Chayne, III, Harrisburg, Penn.

Waldo Bishop Clark, I., Belmont.

Bernard Simpson Cohen, VII., Boston.

Miss Elizabeth Coit, IV., Winchester.

John Sharples Coldwell, VI., South Swansea.

Francis Thomas Coleman, XV., Cambridge.

Anthony William Contieri, X., Cambridge.

Laurance Melvin Dalton, II., Portland, Me.

Raymond Henry Dearden, IV., Fall River.

Theodore Dehon, Jr., VI., Spartanburg, S. C.

Horace Webster Denison, VI., Chelsea.

Heavey Rodrigues Diaz, I., Sao Paloo, Brazil.

Everett Fitz Doten, II., Somerville.

Charles Wayland Drew, Jr., XV., Minneapolis, Minn.

Richard Sturtevant Everit, III., Barre.

Edmund Joseph Flynn, X., Taunton.

Rudolfo Lucie Fenseca, VI., Montevideo, Uruguay.

Arthur Roland Ford, II., Salem.

Edward Alden Freeman, A.B., I., Newton Center.

George Philip Landmann Gail, II., Roland Park, Md.

Laurent Arnold Gillett, XI., Newburyport.

Louis Julius Goldstein, XV., Hartford, Conn.

Maurice Elmer Goodridge, XV., Melrose.

Joseph Herbert Gould, Jr., II., Dorchester.

Frederick William Griebel, II., Somerville.

Robert Prescott Hackett, II., West Roxbury.

George Halkiepules, C.E., Athens, Greece.

Roger Tryon Hall, XI., Arlington.

Stuart Jackson Hayes, VII., Everett.

Frederick Roy Hewes, I., Hyde Park.

Samuel Heyman, II., Detroit, Mich.

George Berner Hirsch, II., Pittsburgh, Penn.

James Holt, II., South Somerset.

Alfred William Hough, XIII., East Braintree.

Frank Clark Hoyt, V., Chicago.

Chi Yen Huang, I., Canton, China.

Shao Yu Hung, X., Ningpo, China.

Charles Hale Hilsley, II., Melrose Highlands.

Leslie Allerton Jackson, XIV., Richmond Hill, N. Y.

Arthur Sanborn Johnson, XIV., Newburyport.

Rogers Bruce Johnson, S.B., I., Newark, N. J.

George Kahn, VII., Boston.

Samuel Albert Kaufman, X., Malden.

Scott Keith, I., Newton Highlands.

Arthur Cilley Kenison, VI., Watertown.

Charles Thomas Kennedy, I. and XI., Boston.

Wirst Fuller Kimball, XV., Brookline.

Ping Su King, II., Haining, China.

Max Knobel, XIV., Walpole.

Carlos Krebs, XIII., Jamaica Plain.

William Joseph Leahy, II., Randolph.

Kuangtao Tsufan Lee, XV., Shanghai, China.

Marshall Baldwin Lee, II., Clinton.

Gee Call Liu, I., Hong ong, China.

Arthur Lundquist, XIII., Dorchester.

George Clyde McCarten, X., Lancaster, N. H.

Sarkis Mardiros Madany, I. Husey-ing, Armenia.

William Roy McKay, VI., Boston.

George Frederick Magraw, II., East Lynn.

Elliot Darwin May, II., Winchenden.

David Oscar Mayer, III., New York City.

Warren Alston Maynard, XV., Rutherford, N. J.

John Meader, XV., New York City.

George Michelson, VI., Roxbury.

Eugene Mirabelli, I., Dorchester.

Robert Fletcher Morrison, II., Yonkers, N. Y.

Adolf Laneken Muller, IV., Brooklyn, N. Y.

Joseph Shirley Newell, I., Springfield.

Mason Shaw Noyes, XIII., Taunton.

Karl Locke Nutter, II., Newton Upper Falls.

Aloysius Francis O'Donnell, X., Natick.

Sherwood Page, II., Melrose Highlands.

Russell Smith Palmer, VI., Somerville.

Chem-Chi Pan, X., Soo Chow, China.

Harry Lawrence Peach, V., Malden.

Frederick Lawther Peart, III., Denver, Colo.

Edward Franklin Pierce, Jr., II., Melrose Highlands.

Amos Neal Prescott, XV., Passaic, N. J.

Holden Cheuteau Priest, VI., Brookline.

John Coleman Purves, I., Philadelphia.

John Pickering Putnam, A.B., III., Boston.

Frederick Jessen Rasmussen, XIV., Quincy.

James Ward Reds, Jr., III., New Castle, Penn.

Albert Barnes Reynolds, VI., Atlantic City, N. J.

Philip Leonard Rhodes, X., Newark, O.

Alan Gerard Richards, X., Arlington.

Edward Adams Richardson, II., Cambridge.

John Lawrence Riegel, XV., New York City.

Maurice Harold Role, II., Boston.

Henry C. Rommer, II., Boston.

Laurence Darius St. John, II., New Canaan, Conn.

Ernest Lincoln Schwartz, VI., Franklin, N. H.

Howard Hall Searles, IV., Marlborough.

Hyman Philip Selya, X., Brookline.

Timothy Edward Shea, VI., Newton Upper Falls.

Theodore Shedlovsky, X., Boston.

Benjamin Howland Sherman, X., Newport, R. I.

Samuel Alfred Sherman, X., Stamford, Conn.

Leighton Bruerton Smith, X., Auburn-dale.

Merritt Parker Smith, I., North Scituate, R. I.

Morton Arthur Smith, VI., Great Barrington.

Russell Storer Smith, XI., Arlington.

Eugene Ralph Smoley, X., Scranton, Penn.

Leon Isaac Snow, X., Brookline.

William Bradley Snow, XV., Newton Center.

Lloyd Raymond Sorenson, VI., Dorchester.

Bertram Holden Southwick, II., East Lynn.

Hyman Gershen Specter, X., Boston.

Arnold Baldwin Staubach, IV., Highland Park, Mich.

John Stevens, XV., Appleton, Wis.

Chester Cameron Stewart, X., Medford.

James McLaren Strang, VII., Auburn-dale.

Paul Francis Swasey, IV., Waterbury, Vt.

Joseph Hicks Tooley, II., El Paso, Tex.

Ernst Frederik Ditlev von Voss, X., Copenhagen, Denmark.

Arthur Edward Wales, II., Brookline.

Henry Wallerstein, X., New York City.

Eaton Webber, II., Newton.

Dean Kingman Webster, Jr., X., Lawrence.

Harold Curtis Wells, IV., Watertown.

Charles Edward Westland, I., Winter Hill.

Henry Stanley Weymouth, I., Dexter, Me.

Charles Eaton Browning White, I., Toledo, O.

Horace Dyball White, I., Cambridge.

Benjamin Lee Whorf, X., Winthrop.

Henry Everett Wilson, II, Ipswich.

Lester Wolfe, VIII., New York City.

Louis Wolff, VII., Revere.

Francis Octavus Wyse, II., Toronto, Ont.

Char Foo Yao, II., Anhui, China.

## REGISTRATION AT HARVARD IS 2643

Harvard's total registration is 2643, much below the average when the figures by classes are compared, although the 536 men admitted solely as members of the student army training corps bring the opening registration day total to 1856, an increase of 265 over the first day's enrollment last year. The medical school nearly holds its own with a registration of 369. The divinity school enrollment is ten, six below last year. The biggest defection is noted in the law school, where only 56 men have enrolled, as against 234 in 1917.

Practically two-thirds of the university membership will be in olive drab this year, the figures noted as having enrolled in the S. A. T. C. not representing the members of the other classes and graduate schools who also have enlisted for this training or for a term in the naval unit.

## T. C. A.

## To Work in Conjunction With Y. M. C. A. for S. A. T. C.

On account of the taking over of Technology by the Government there will be few Undergraduate Activities permitted. This eliminates the very useful Technology Christian Association, but in its stead there will be, if the present plans are carried out, a portion of the new Administration Building set apart for the use of the members of the S. A. T. C. The Institute will furnish the lounging room very suitably and there will be a Y. M. C. A. man in charge. The members of the T. C. A. have been asked to co-operate with the new Y. M. C. A. man in helping to furnish and to fit up the new lounging room.

## NAVY TO CALL 1090 DRAFT MEN MONTHLY

A total of 1000 registrants will be inducted into the Navy monthly, according to a statement made yesterday by Lieut. Commander Newton Mansfield, inspector of the Eastern Mobilization District. Of these 471 will be inducted because of special qualifications and 619 "in the run of the draft." The inductions are expected to begin about Oct. 1.

Those chosen because of special qualifications will be assigned as follows: aviation, deck officers, engineers, submarine officers, optical machinists, blacksmiths, carpenters, gas enginemen, boiler-makers, coppersmiths, shipfitters, instrument repairmen and armorers.

All those taken will be shipped as apprentice seamen in the Naval Reserve. Later the ratings of the specially inducted men will be fixed by the commandants of the districts to which they are assigned.

## NAVAL MEN MAY WEAR CHEVRONS

Wearing of war service and wound chevrons by enlisted men and officers of the navy was authorized today by Secretary Daniels. Chevrons authorized are similar to those adopted by the army, and may be by permission of commanding officers worn on the left sleeve to denote service and on the right sleeve for wounds.

Three months' service within the submarine zone or on vessels which have been torpedoed or fired upon by enemy vessels entitled officers and men to wear the service insignia. Naval aviators in the United States who have made actual flights in search of enemy submarines are granted the same privilege.

Wound chevrons may be worn for each injury in action, providing the wound was serious enough to require medical attention, and for disablement by gas. Additional chevrons will be awarded for wounds received at different times.

## WAR-PROFITS TAX VS. EXCESS-PROFITS TAX

"By a war-profits tax we mean a tax upon profits in excess of those realized before the war.

"By an excess-profits tax we mean a tax upon profits in excess of a given return upon capital.

"The theory of a war-profits tax is to tax profits due to the war.

"The theory of an excess-profits tax is to tax profits over and above a given return on capital. The excess-profits tax falls less heavily on big business than on small business, because big business is generally overcapitalized and small businesses are often undercapitalized.

The war-profits tax would tax all war profits at one high rate; the excess-profits tax does and for safety must tax all excess profits at lower and graduated rates."

The above extract from Secretary of the Treasury McAdoo's testimony before the House Ways and Means Committee gives his differentiation between war-profits and excess-profits taxes and explains his position in urging upon Congress an excess-profits tax with an alternative war-profits tax in the forthcoming revenue legislation.

To the average citizen Secretary McAdoo's position seems well taken. Most small and local corporations are capitalized at an actual valuation. Many of the very large corporations are greatly overcapitalized; the stock of some of them has been repeatedly watered. With only an excess-profits tax a corporation earning 10 per cent on grossly watered capital will pay the same tax as another corporation not overcapitalized earning 10 per cent on the real, actual valuation of the money and property invested in its business. The profits of the first corporation might be 30 per cent on its actual valuation, and it is to cover such cases that a war-profits tax is urged.

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