

AVIATORS GO IN WALKER MEMORIAL; START NAVY FLYING SCHOOL MONDAY

NEW BUILDING WILL OPEN SEPTEMBER FIRST

Institute Will Turn Over New Union on Its Completion This Fall to Army and Navy Training Schools

RUSH TO FINISH INTERIOR

The Walker Memorial will open on September 1. It will be immediately turned over as a barracks to the training schools of the aviation section of the signal enlisted reserve, now housed in building one, the cadets of the naval reserve, now occupying the first two floors of building two, and the new navy school which will open Monday in the top story of building two. Such was the announcement given out at the office of Bursar Ford yesterday.

Work of completing the building which will house Technology's student activities and serve as a place for social intercourse among Institute students has been rushed so that the Memorial can open on schedule September 1.

As viewed from the outside the Walker Memorial seems far from completion, but the contractors say that the "new union" will be ready for occupancy on the date set. The fact that the Institute bakery in the Walker Memorial will begin next Wednesday morning making all the bread, pastry and ice cream for the Caf, is an example of just how far along toward completion the building really is.

(Continued on page 2)

JUNIORS GO TO CAMP

Leave Saturday Morning For Norwood—Back Sunday

General Orders No. 26:

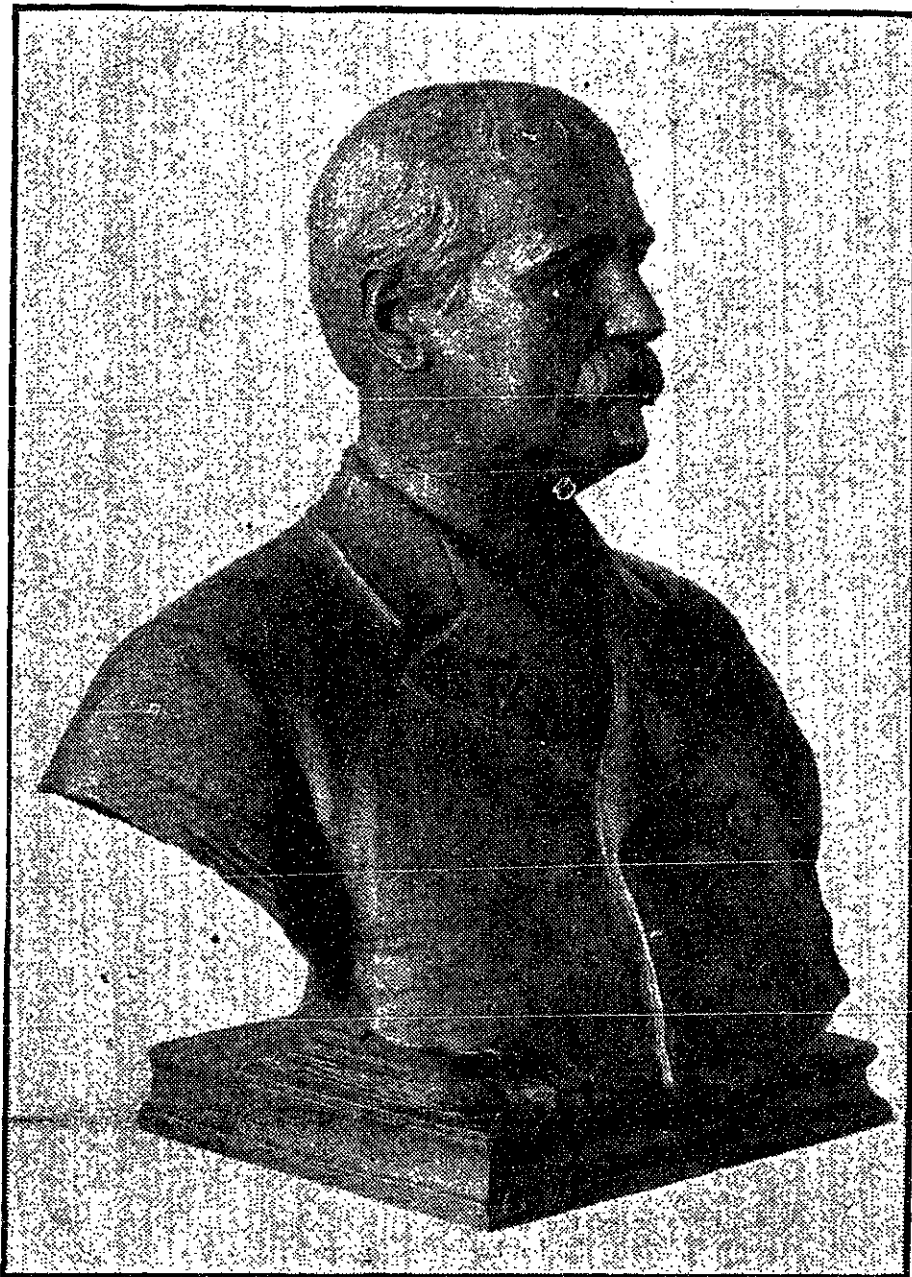
All men will report at the Institute on Saturday, July 14, 1917, at 7.15 A. M. in full uniform, regardless of the weather. Each man must equip himself with a blanket raincoat or poncho, tin plate, tin cup, knife, fork and spoon, also toilet paper. Battalion will encamp at Norwood (R. R. Station Ellis), Mass., returning Sunday (arrive 6 P. M.). Equipment should be tightly wrapped in compact package and tagged with owner's name. There will be a minimum charge for rations and fare.

By order of
L. F. HAMILTON,
Acting Commandant.



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General Francis Amasa Walker, third president of the Institute, enlisted in the Union Army at the outbreak of the Civil War, and became a General at the age of twenty-five. After the struggle between the North and the South General Walker wrote the history of the Second Army Corps of the Union troops. The Walker Memorial which bears his name will open in September to house the training schools of the United States Government now at Technology. That the student center should be turned over to war service is a fitting tribute to this military President of the Institute.

COURSE FOR MARINE ENGINEERS STARTS WITH 26

Steam Men May Get Berths Without Having Had Sea Duty

Technology's free course for the training of engineers for our Merchant Marine started last Monday with an enrollment of twenty-six men, who have been accepted by the United States Steamboat Inspectors. These men are kept busy during the entire day. The first hour of the morning is devoted to a lecture, after which the men go to a drawing room and there, under the supervision of an instructor, write up the material they have obtained in the preceding lecture. The next two hours are similarly spent in covering a different subject.

In the afternoon the engineers do experimental work in the steam and compressed air laboratory and write up reports on the results which they observe. The subjects which are required of all men taking the course include steam engineering indicator cards, valve gears, condensers, air, circulating, centrifugal, and feed pumps, boilers, injectors, refrigerating machines of both the ammonia and dense air types, gas and Diesel engines, determination of the pitch of propellers, and the strength of materials which are most used on board ship.

In addition to the purely technical work, George H. Willey, a chief marine engineer of sixteen years' experience, will deliver lectures on the duties required when a man assumes charge of the watch.

The order requiring graduates of free government navigation schools to take two months' intensive training on board

ship after being licensed and before being permitted to accept officers' berths has been suspended by Henry Howard, director of recruiting for the United States shipping board. Free government navigation school graduates will now be allowed to accept officers' positions immediately on receipt of their licenses from the United States steamboat inspection service. This action was taken because of the pressing need for officers in the American merchant marine.



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Secretary Daniels Pays Institute Big Tribute in Establishing First Navy Aeronautics School at Technology

ONLY FOUR DAYS TO PREPARE FOR NEW UNIT

The greatest tribute which the Institute could have received for her work in war-time instruction was paid yesterday when the Navy Department decided to establish at Technology a course for naval aviators similar to the course now being given to the recruits of the aviation section of the signal enlisted reserve.

Final ratification of the plan for establishing such a school was received from Washington yesterday by President MacLaurin, and the Institute will be ready to receive the naval flyers on Monday morning.

SIXTY FLIERS COMING MONDAY

It is expected that sixty men will start work Monday morning to prepare themselves for service as aviators in the United States Navy, by taking a course of eight weeks intensive training in aeronautics and military drill at the new school just established at the Institute under the auspices of the secretary of the Navy. More student birdmen will follow and take up the instruction at the rate of thirty-three a week until the total enrollment reaches 200, according to the agreement made with the Institute by the Navy Department. Should a large enough number of men enlist for this branch of the service, however, the authorities think that the Institute school will be expected to take care of more than 200 and preparations have been arranged to meet such an emergency. One hundred and sixty men have already been accepted by the Navy for the flying corps and would have been sent directly to

the flying schools at Squantum and elsewhere. These men will now attend the technical course at the Institute first and will proceed to the flying schools after their grounding in the theory is complete.

(Continued on page 3)

TECHNOLOGY AMBULANCE DRIVERS SAFE IN FRANCE

(Special Cable to The Tech)

PARIS, France, July 11—The Technology unit of the ambulance division of the American Field Service, which sailed from the United States on the Rochambeau, made a French port yesterday, and arrived at headquarters here today. Van Ransselaer Lansingh '98, in charge of the establishing of a Technology center here, was with the unit and has started the work of organizing his bureau. Members of the unit will remain in Paris for a few days before being detailed to active service. It is probable that a number of the men who enlisted for drivers of ambulances will handle ammunition trucks for the first few months, and now that the American forces are in France, the Technology Ambulance may become part of the United States army.

SOPHS PLEASE ALUMNUS

Spirit at Camp Cunningham First-Rate, Says J. P. Munroe

James P. Munroe, Secretary of the Institute Corporation, who visited Camp Cunningham at Technology, Maine, last Monday, was interviewed on his return by a reporter of The Tech. In regard to his inspection of the camp Mr. Munroe said, "I feel that most Technology men do not appreciate the admirable opportunity which the camp is giving the men in the class of 1919 to fit themselves for officers in the army when they shall have finished their work at the Institute.

"Every Technology man who can possibly manage it should get up to East Machias to see the rare beauty of the camp site on the shores of Gardner's Lake, to eat the first-rate food that is being furnished to the boys, to witness how admirably camp discipline is carried out, and to experience the splendid Technology spirit of working together for the common good which is found among all the officers and men." Major Russell, Mr. Munroe reports, has a loyal staff, and with their co-operation he is putting the boys through a fine course of training so that, although they have only been three weeks on the ground, their drilling is already first-rate, their other work is shipshape, and they look a hundred per cent better than when they went up to Camp Cunningham late in June.

"For the information of the alumni who want to spend one of the pleasantest days they can possibly imagine, I want to call attention to the fact that a man can leave Boston at 10.00 o'clock at night (except Saturday), reach camp at about the same hour the next morning, and leave again, if he is not tempted to remain another day, at 8.00 o'clock the same evening, getting to his business again at his usual morning hour. The camp is only a few miles from the East Machias station, and there are always motor cars to be found there.

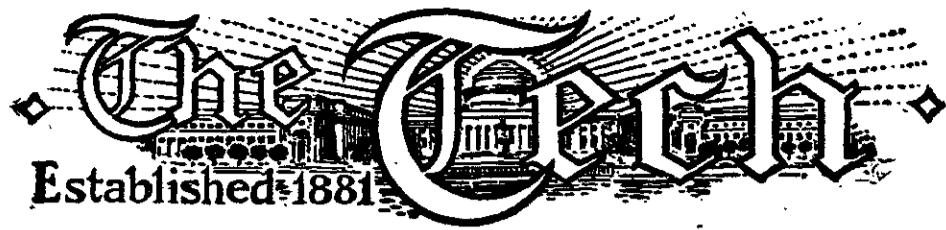
WILL PUSH WORK ON THE AVIATION BILL

WASHINGTON, July 11—The administration's aviation bill, making great increases in the army air service, will be reported from the military committee Friday, and probably passed in the House Saturday. The House military committee agreed today to reopen its hearings tomorrow to hear Secretary Baker on the general policies involved in the aviation program.



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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.

FRIDAY, JULY 13, 1917

A WORTHY DEDICATION

THIS fall there is to be completed a building which perhaps means more to the hearts of Technology men than does any other part of the great group. For years Technology men have been looking forward to the completion of the Walker Memorial, a monument conceived as a loving tribute to the memory of Francis Amasa Walker. The building has, this summer, been taking form in the midst of the strenuous war preparation being carried on at the Institute. Now suddenly comes the opportunity to use it for a greater purpose than was originally conceived of,—for the housing of the five hundred students in the schools which the Government has done Technology the honor of establishing here. The announcement of this use is surprising, but upon second thought one finds it quite the natural thing.

Two hundred army aviation students, sixty naval cadets, and two hundred men for the proposed Naval Aviation School, will be quartered here by September. When school reopens there will be little room for these men in the regular Institute rooms, especially in view of the increased registration expected. But here we have a half-million dollar building provisionally adequate to take care of the need. What could be clearer than Technology's duty in such a case?

An examination into the life and personality of the man to whom this great memorial has been erected lends further approval to the plan for its utilization by these Government military schools. General Walker was a soldier,—a man who believed in the training of the youth in military directions, who believed it a good thing for a young man to acquire the attitude of serious earnestness which comes through war service. What could please him more, then, than to know that this building was being used as an aid in the preparation of young men for service in our nation's army and navy? There can exist no doubt in the minds of men who knew him as to what his action in the matter would be at this time. The Corporation could have found no more fitting way than this to dedicate the Memorial, and future undergraduates will hold the building in the more veneration to know that it began its career in such a service.

The encampment of the Junior Military School to take place over the week-end will come as a welcome relief from the daily routine of infantry drill. The kindness of Mrs. Edward Cunningham and Mr. W. Cameron Forbes in offering the use of their land and specially constructed rifle range has made the trip possible, and it were unworthy of Technology men to be unwilling to sacrifice a little of their own pleasure and comfort in order to avail themselves of the opportunity.

If Technology men have too little enterprise to use the range it would not be surprising to find some more appreciative student organization taking possession in the near future.

OPEN REGULAR ARMY TO MEN FIVE FEET ONE INCH

Small Men Make as Good Soldiers as Big, it is Decided

WASHINGTON, July 11—Small men make as good soldiers as big men in the revised opinion of the war department, which has instructed recruiting stations to open the ranks of the regular army to men of no more than five feet one inch in height and who weigh only 110 pounds.

The order was issued on the basis of a recommendation made by Surg.-Gen. Gorgas, who advised that good men were being kept out by the minimum height and weight limit of five feet four inches and 120 pounds. As a matter of fact, however, recruiting officers had been instructed not to enforce rigidly the height and weight minimum limits and there are a considerable number now in the army who are below the five-foot requirement.

The regular army still was short some 40,000 men when recruiting closed yes-

terday, only 1226 men having been accepted during the day. Vermont added two men, making 87 furnished from that state since April 1 on a quota of 710.

AVIATORS IN WALKER MEMORIAL

(Continued from page 1)

The new Walker Memorial, a Technology student club, will be on a scale in keeping with the rest of the big institute. The completeness and magnificence with which the details as well as the general plan of the Memorial have been worked up will astonish even those who have some acquaintance with the plans. Pool rooms, bowling alleys, a barber shop and even a rifle gallery will feature the new Union.

The kitchen and dining equipment is of special design and the latest type, and the furniture is unique in construction, having been made with regard to the Memorial's requirements. Many sets of plans were reviewed before the acceptance of the present proposed ar-

PRES. WALKER ENLISTED

Third Head of Institute Was General When 25 Years Old

Worcester, May 31, 1861

To His Excellency
 Hon. John A. Andrew,
 Governor and Commander in Chief.

Sir:—
 I should be much gratified to receive a commission in one of the companies to be organized for the war, if it might consist with your duty to the service. I cannot assure myself that I am peculiarly fitted for military rank, to which I have had but little inclination; yet I am confident of a mind willing to perform my office through the length and breadth of it. I have had some instruction in company movements under well-appointed soldiers, and my general education will, I trust, be found sufficient to any probable demand in such position. I beg you, however, not to believe that I make a commission the condition of my service for I hold myself ready for the humblest and hardest work in the sacred cause.

I have the honor to be
 Your Excellency's Obedt. Servt.,
 FRANCIS AMASA WALKER.

It was thus that Francis A. Walker, later second President of the Institute, wrote to the Governor of Massachusetts offering his services to the state a fortnight after the outbreak of the Civil War. The reprint of this letter is due to Professor Pearson, of the English Department

At the time of writing this letter, General Walker was a student in the law office of Devens and Hoar, in Worcester, Mass., having graduated from Amherst College in the Fall of 1860. At this time President Walker was not quite twenty-one years old, and nothing came of this first attempt to enlist, on account of strenuous opposition from his parents. It was not until nearly three months later that he entered the service, and then not as a commissioned officer but as a sergeant major of the Fifteen Massachusetts Regiment of Volunteers.

As sergeant major he served with distinction during the Peninsular campaign and at Fredericksburg, and was seriously wounded at Chancellorsville, receiving the brevets of colonel and brigadier general for "gallant and meritorious service" in this battle. During the advance on Richmond in 1864 he was taken prisoner, and after undergoing six weeks of the horrors of Libby Prison was released on parole. At the close of the war he made a brilliant record as director of the ninth and tenth census and in 1873 he became Professor of Political Economy in the Sheffield Scientific School at Yale, from which position he was called to the second presidency of the Institute in 1881.

The following is quoted from "Concerning M. I. T."

"During President Walker's administration the Institute, founded by William Barton Rogers, grew from a struggling technical school to a great scientific university. In 1881 there was only one important building; the instructing staff numbered 37 and the student body 302. In 1897, when General Walker died, the Walker Building, two Engineering Buildings, and the Garrison Street shops had been added to the material plant; there were 130 members of the Faculty and 1200 students. Of far more consequence, however, than the mere growth of numbers was President Walker's influence on the intellectual and moral tone of the school. Soldier, economist, statistician, he was in hearty sympathy with all that made for broad and liberal culture. The department of literature and political economy were developed and the strength and bread of training which President Rogers provision had planned was brought to fruition under his successor. Greatest of all, however, was President Walker's personal influence. His courage, energy, and enthusiasm, and aggressive endorsement of the Institute's plan of education were the main elements in its successful development. The spirit of Technology today is in a large measure the reflection of the spirit of President Walker."

So many men applied for the course in military surveying in the summer session of the College of the City of New York that it will be given again, beginning July 16. Enrollment closes on that day. Students can register at the college any day until then.

arrangements, which bid fair to give the students a new Union acting as an even more vital factor in student life than the old.

TO DECIDE WHETHER SPORTS WILL CONTINUE

College Men Will Meet in Washington to Hear From Government

College men interested in athletics will meet at Washington, D. C., Thursday, August 2, to discuss intercollegiate competition after the opening of the colleges next fall. It is expected well-known college enthusiasts from many parts of the country will be at the capital and urge that all sports be continued during the war.

The date of the meeting was set by Maj. Palmer E. Pierce of the war college at Washington. He will probably be selected as chairman of the executive committee. He is said to be a strong advocate for every branch of sports.

The meeting will undoubtedly lure many Greater Boston college men, to Washington. It would not be a surprise if P. D. Haughton, E. K. Hall, Nate Tufts and other college men were asked for their opinion.

The discussion as to whether or not athletics should be conducted this fall will be an important one, it is believed. There will be representatives of the government present and they will be requested to give their opinion on sports.

With President Wilson in favor of all sports, the chances are exceedingly bright that the government officials will sanction all branches of athletics.

The college men should be strong for sports, however, and continue them on as big a scale as ever.

SIGNALMEN COME MONDAY

Ten Men From Plattsburg Ordered to Institute Next Week

PLATTSBURG, July 11—In place of 25 aviators selected last week to go to the ground aviation school at the Massachusetts Institute of Technology, 10 men from each camp will report for instruction next Monday. The delay in detailing men to Cambridge, it is said here, is due to the congestion at Cambridge, but no orders have been received to send men to Canadian schools, as has been the case at other training camps. The revised list of men who are ordered to Cambridge is as follows:

New York regiment—Roy Platon; A. E. Griffiths, Arthur L. Tait, Walter B. Chalaire, 2d Lt. Edwin Mott, J. R. Dunlap, Jr., Stephen Bonsal, Jr., Gerald V. Carroll, Louis F. Plummer, A. F. Seaver.
 New England regiment—C. G. Chapin, 1st company, Norwichtown, Ct.; Roger W. Rowland, 1st company, Springfield; H. L. Eddy, 2d company, New Britain; Edward F. Hollander, 3d company, Providence; A. M. Drury, 4th company, Northampton; Francis E. Carleton, 5th company, Lawrence; A. J. Downey, 5th company, Boston; J. R. Sanford, 6th company, Skowhegan; L. A. Hamilton and R. A. Bush, 9th company, Pittsfield.

All men leaving for the aviation schools will receive their discharge from camp and will be listed in the aviation section, signal enlisted reserve corps.

By the order of Col. Wolf, all men must be able to swim before leaving camp and to that end swimming classes will be held for beginners between 4 and 5 o'clock in the afternoon.

Both New York and New England artillery organizations spent the whole day with three-inch guns. Rivalry among gun crews was introduced by timing them in their loading operations. Dummy shells were used in the practice.

Naturalized Russians and Poles in the training camp will be called to headquarters tomorrow and urged to write to friends and relatives in Russia, explaining why the United States entered the war and pointing out the benefits Russia will receive by remaining in active co-operation with the allies. This is in accordance with a scheme of a society recently formed in St. Louis for that purpose and has the sanction of the United States government.

COMMUNICATION

To the Editor of The Tech:

The assistance of Technology matrons is most earnestly requested in the formation of the organization to be known as the Friends of Technology, which will seek to provide for the men at the front and to cooperate with wives, mothers or sisters left behind.

Of course many of the Technology matrons are now away from Boston but it is hoped that during the summer many of them will find the opportunity to talk over this organization with the chairman, Mrs. Edward Cunningham. After July 16 Mrs. Cunningham will be at the Emma Rogers room on Mondays and Thursdays from 1.00 to 4.00 o'clock in July and August, where she hopes it will be possible for Technology matrons to call and give

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the new organization the benefit of their advice and counsel. The new organization needs the help of every woman interested in Technology in order to be equipped for service.

FRIENDS OF TECHNOLOGY.

To the Editor of The Tech.

Sir:—There is at present before the House of Representatives a bill creating a Sanitary Officers' Reserve Corps. This bill has already passed the Senate and now awaits only the action of the House. It is of the utmost importance that the health of our troops, who will have to face unusual conditions in changing from rural or urban community life to that of the concentrating camps, be adequately safeguarded. We do not wish a repetition of the sanitary negligence which marked the Spanish War.

I therefore wish to urge that Technology men in general communicate with their representatives and urge them to support this bill, thus helping graduates in public health and sanitary engineering to obtain commissions in that field in which they are best qualified to serve.

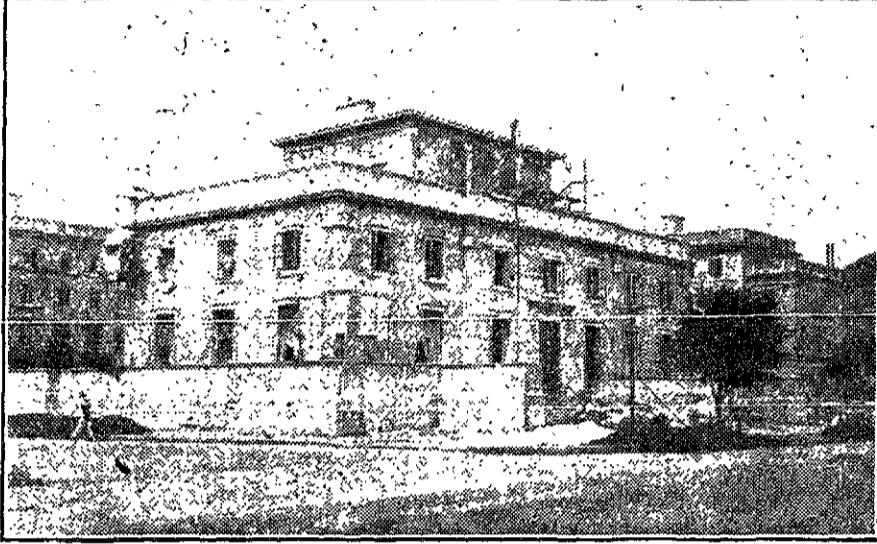
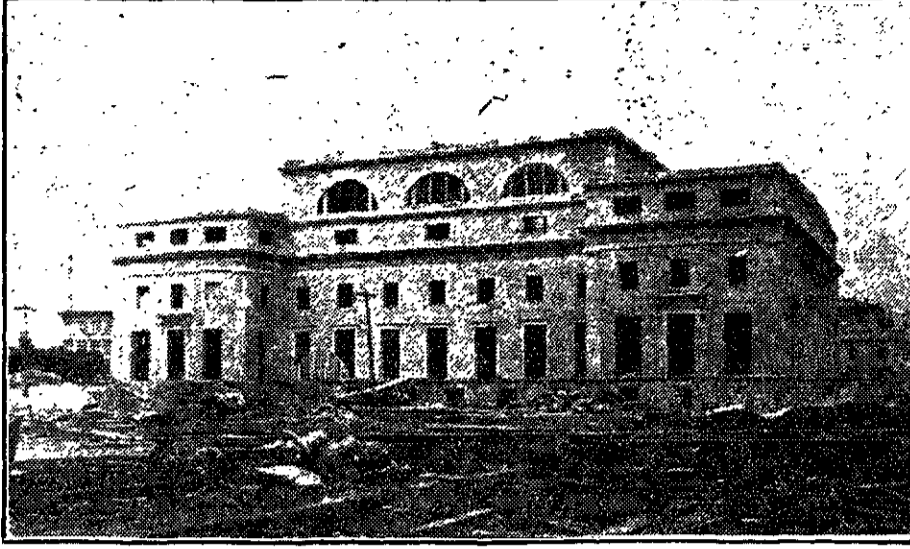
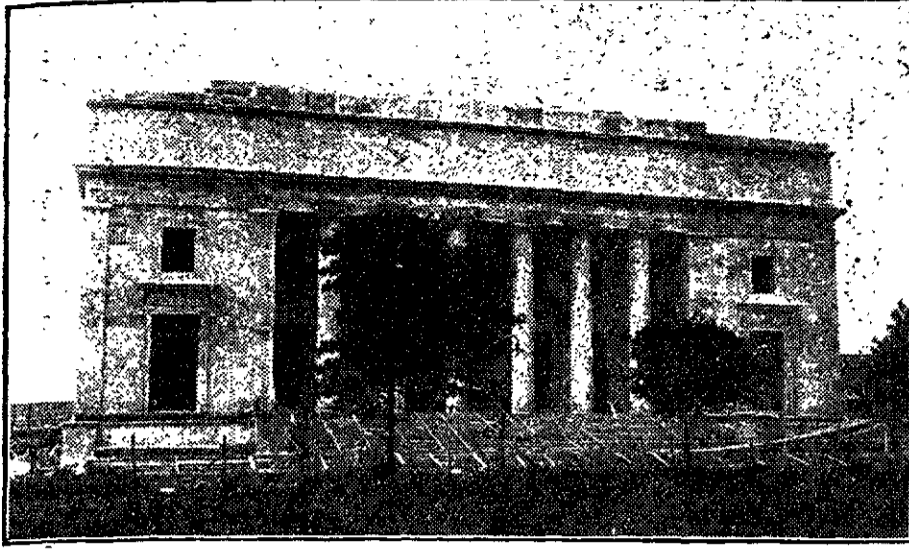
Sincerely yours,
 JAMES A. TOBEY '15,
 Health Officer, West Orange, N. J.

GANG BOSS WANTED

The Arsenal at Watertown, Mass., requires two gang bosses: one on light work, milling machines, etc.; the other on large lathe work.

Experienced men required. Pay \$120 a month on 8 hours a day basis and 30 per cent. added for 10 hours.

New Student Center To Be Turned Over To War Schools



FRONT OF WALKER MEMORIAL REAR VIEW OF "NEW UNION"
THE PRESIDENT'S MANSION

On December, 1898, the movement for a memorial to General Walker was inaugurated, and after 18 years of labor, sometimes under the most discouraging circumstances, the concrete example of the generosity and loyalty of Technology's alumni will open in September to serve as barracks for men training for the United States service. The original committee of 1898 undertook by subscription the collection of a fund to be applied by future agreement with the Corporation toward the cost of erecting and equipping a gymnasium as soon as deemed practicable by the latter body. Because of General Walker's interest in physical culture and athletics this form of memorial was felt to be particularly appropriate. The first appeal for funds was issued in May, 1899. By December, 1900, \$41,000 had been subscribed, and at this time the Corporation voted to set aside for a site either 10,000 square feet on Garrison Street, or, if preferred, 48,000 square feet on Garrison Street on condition that \$100,000 be subscribed by July 1, 1901. An active campaign brought the subscriptions up to the required \$100,000 early in June of that year and in 1902, 10,000 square feet of land at the corner of Trinity Place and Stanhope Street was assigned to the memorial, while Mr. E. B. Homer of the architectural department prepared plans for a building of five stories. At the December meeting of the Alumni Association that same year, possible removal of the Institute was discussed, and

from that time to 1912, on account of the uncertainty of the Institute's plans, the entire matter was dormant. The subject was brought up again in March, 1912, when President Maclaurin, at the request of the Walker Memorial Committee, appointed a special committee of five, including two members of this Memorial Committee, to work out a program of what the Memorial ought to be. This committee did excellent work, even sending a delegate to inspect student unions at other institutions, and in the spring of 1913 made their report, in which no mention was

made of a dining hall or gymnasium, the committee claiming that these features, if adequately provided for, would interfere with its unity of purpose and its proper proportions.

In 1915, after plans had been submitted by Mr. Bosworth, and freely criticized, it was voted that it was most important to have the Memorial ready for occupancy in 1916, and that provisional plans and estimates should be prepared omitting the restaurant and general gymnasium for required physical training but retaining substantial gymnasium features for other purposes. Later on in 1915 revised plans were presented by Mr. Bosworth, which met with the general approval of the Council, but as additional funds were required, a special committee was appointed to confer with President Maclaurin as to how these funds should be obtained. At the May, 1915, meeting of the Alumni Association, Dr. Harry W. Tyler reported for this committee that, after conferring with Dr. Maclaurin and the executive committee a campaign for raising funds to complete the Walker Memorial could be initiated but that the Lusitania catastrophe had so changed conditions that they deemed it unwise to prosecute this enterprise at that time.

The plans which were finally accepted were submitted in December, 1915, and combined the suggestions of the

Walker Memorial Committee as contained in the previous plans, with the dining hall and gymnasium, which the Institute would have to provide. The cost was to be between \$400,000 and \$500,000.

In the Memorial there will be a great dining hall, the largest in Greater Boston, which will readily seat eight or nine hundred, smaller refectories scattered about in other parts of the building, a vast gymnasium in which several companies of the cadet corps can perform their evolutions if necessary, and a grand foyer for the students, who, under the new conditions, will have supplied to them the one feature that Technology life has lacked to a considerable extent, the opportunity for the students to get together under favorable conditions for personal intercourse.

The Walker Memorial will have sufficient rooms for the comfortable housing of student activities, a library, some space reserved for the instructing staff, rooms, and courts for indoor sports, and will be in fact the great meeting ground for the twenty-five hundred individuals who are expected to form the Technology family.

The architectural features of the Memorial will be in harmony with the new Technology. The building will be three stories high, with the esplanade front simple and in keeping with the educational in architecture. Entering, the visitor will find himself in a spacious tripartite lobby, with a great lounge on one side and the equally large library and reading room on the other. Straight ahead will be the dining hall with its 9,000 square feet of floor space, and back of this the kitchen and service room. The building is H-shape in form, the dining room being the bridge.

The dining hall goes up two stories, the second forming a balcony, affording consultation niches and on social occasions will afford a splendid vantage ground to see what is going on, for the great hall will be used for mass meetings, dances and other great student functions.

The gymnasium is situated overhead with dozens of little rooms for societies or special purposes. There will be a basement with alleys, rifle range, kitchen and bakery, storage rooms, etc.

START NAVY FLYING SCHOOL

(Continued from page 1)

The course for navy men starting Monday morning will closely resemble the course now being given to the men training for officerships in the signal enlisted reserve of the United States army, and will differ only in that importance will be laid on the hydro-aeroplane rather than the machine designed to rise and alight on land. Life in the aviation schools is one of routine. For the first three weeks the men receive military drill from 5.30 in the morning until it is too dark to maneuver, the infantry work being broken occasionally by periods devoted to signaling and telegraphic code work. During the second period of the eight weeks' stay at the Institute, the flyers receive instruction in the theory of radio telegraphy, aerial navigation, gasoline engines, the art of dropping bombs from airplanes, and in correcting the fire of artillery by observation from flying machines.

Although the army school at Technology is under the direct supervision of army officers, the instruction is given by Institute professors. The navy training unit will be run on the same plan.

Upon finishing their course at the Institute, the airmen will be sent to the navy flying school at Squantum for instruction in the actual handling of planes in the air, and after receiving their commissions and pilots licenses will be detailed to active duty. Whether the naval aviators will be sent to France to aid the Allies' flying corps or

whether they will accompany the battle fleet of the United States Navy it has been impossible to determine.

The four days between the acceptance by the Navy Department of the plans yesterday and the opening of the school Monday morning, is all the time given to prepare for the new naval aviation school, but the Institute expects to be in readiness to receive the first allotment of aviators Monday morning. Work was begun yesterday afternoon clearing the drawing rooms on the third floor of building two of the paraphernalia used in teaching freshman descriptive geometry. The navy men will occupy these quarters temporarily, it being planned to move them as well as the cadets of the naval reserve and the signal corps flyers into the Walker Memorial when it opens on September first. No difficulty will be encountered in feeding the students at the new school, as the facilities at the Caf will permit the serving of twice the number now being cared for. The obstacle of seating the added number of diners will be overcome by suitably arranging the mess hours of the various schools. In September when the Walker Memorial opens, the dining rooms there will be used, which are large enough to serve at one time triple the number that can be handled in the cafeteria in building two.

The plan of establishing such a school for naval fliers was recommended recently to the Navy Department in Washington, and has been under consideration for the past two weeks. Last Saturday Secretary Daniels wrote President Maclaurin asking whether such a

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school could be established at the Institute. Without hesitation President Maclaurin sent an affirmative answer over the wires to Washington. Publicity was not given to the plan as there was a possibility that the scheme would be abandoned; but a concrete proposal followed from the Navy Department Tuesday morning which was accepted by President Maclaurin yesterday. The school at the Institute is the first of its kind to be established in the United States; and whether other schools of this character will be started at other colleges later will depend on the success of the first unit at the Institute.

The fliers at Squantum have for the past two weeks been coming up from the flying school there to the Institute every few days for evening lectures given by Alexander Klemm, instructor in aeronautics at the Institute and technical editor of Aviation. It is probable that the success of these lectures was the cause for the recommendation of the technical school to the Navy Department.

It is expected that final word as to when the equipment will arrive at the Institute will be announced tomorrow. The Navy Department expects to have two hydro-aeroplanes housed in the Institute buildings for instructing the men in the theory and design of flying machines, while several of the types of machine guns used in aerial warfare will be shipped to Cambridge at the earliest date possible. Two or three types of airplane engines will be in the equipment of the new school as well as a set of duplicate parts for practice in the assembly of the power plants. It is expected that the Navy Department will provide four gunners' mates and aeronaut mechanics to assist in the work of instruction. The naval aviators will take infantry drill on Tech Field, but will furnish their own rifles and not draw on the Institute supply of arms. Arrangements have been promised for the employing of assistants to Frank Kanaly in the work of directing the calisthenics. It has been rumored that

among others Frank Kanaly's brother, past runner for the B. A. A., will be engaged.

ALUMNI NOTES

Washington Correspondence

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

908 Union Trust Bldg.,
Washington, D. C., July 11, 1917
Captain Alexander Macomber, Engineer Officers' Reserve Corps, '07, has been ordered to active duty and detailed on studies of searchlight illumination at the Engineer Depot at Washington.

F. F. Bell '10 has been commissioned first lieutenant (supply officer) in the Aviation Section of the Signal Corps.

Thomas A. Roper '10 is engaged upon work on ordnance equipment for aeroplanes, and has been recommended for a commission as first lieutenant in the Ordnance Officers' Reserve Corps.

Technology men in the Aero Engineering Division of the Signal Corps include Captain V. E. Clark and W. H. Warren '14.

Washington callers this week have included Hugh McRae, '85, W. C. Brackett, '95, and W. C. Short, '14.

Opportunities for Service

Ordnance Department. The requirements of the Ordnance Department for mechanical engineers are still growing. We have been asked to assist in locating qualified men for work on aeroplane equipment, gun carriages, steel helmets, etc. A number of men are needed also, without the requirement of extensive specialized mechanical experience, to assist in expediting and shipping ordnance supplies.

Cantonment Construction. A number of men are required for inspecting and expediting deliveries of cot beds, plumb-

ing supplies and similar equipment. No extensive technical experience is required.

Training Camps. The number of applications for admission to the second series of training camps has not met the expectations of the War Department. There will be no engineer companies in the second series of divisional camps; but there is an excellent opportunity to secure training for commissions in Infantry, Cavalry, Field Artillery and Coast Artillery, for those who apply promptly. The date for closing receipt of applications has been fixed for July 15, but if an insufficient number is received, it is possible that the time may be extended.

Aviation Service

Hearings on the bill to appropriate \$639,000,000 for the expansion of the aviation service on a gigantic scale have been under way this week before the Military Committee of the House in secret session. Brigadier General George O. Squier, Chief Signal Officer of the Army, explained before the Committee how it is proposed to secure control of the air for America and her allies by constructing 22,625 aeroplanes and organizing a personnel of 75,000 men. It is expected that the bill may be reported to the House by the end of the week.

This proposal has received the practically unanimous endorsement of the Administration, and of all our military and technical advisers, both American and European. There seems little doubt that the project will be adopted in some such form as is proposed. In this, however, as in all matters connected with the war, time is of importance, and it is believed that action might be hastened if the views of the technical men of the country could be expressed to Congress. The carrying out of this program is a purely engineering problem in which every Technology man should be interested.

Local Committees

It is requested, therefore, that every Local Committee, and every Technology man who feels so disposed, write at once to his Congressman and Senators, expressing his view as to the importance of the contribution which America can make to the supremacy of the Allies in the air, and as to the desirability of prompt action without delay for prolonged debate.

Col. I. W. Littell, of the Quartermasters Corps, officer in charge of cantonment construction, has issued the following statement:

Under such headings as "Government Hurting Business," "Disturbing the Labor Market," etc., a series of editorials and news items are appearing which are founded almost entirely upon falsehood, and the influence of which is extremely pernicious. They charge in effect that the contractors for the cantonments are paying more for material and for labor than is necessary in order that they may thereby increase the profit to themselves, which is figured upon the basis of a percentage on the cost of the operation; and they imply that this office has taken no precautions and is doing nothing to prevent this deliberate fraud on the part of the contractors.

Such articles are written either with a reckless disregard of truth or a deliberate purpose to hamper the Government in this work. The contractors for building cantonments were chosen with the greatest care; the War Department had the assistance of the Council of National Defense in making the selections, and in every instance the contractors have had the widest experience and enjoy the highest reputation in their communities.

The War Department has taken every precaution to safeguard the interests of the Government in the carrying out of these contracts. A provision is contained in each contract which prevents the contractor from making any departure from the standard rate of wages being paid in the locality where the work is being done without the consent and approval of the Government. The prices paid for the various materials which go into the construction must, by the terms of the contract, receive the approval of responsible representatives of the Government before any purchase is made.

In the methods adopted by this office in carrying out these contracts all material is carefully inspected both as to quality and amount, and an accurate record of the hours of labor of every employee on the job is made by representatives of this office.

Of course the calling of approximately one hundred thousand men to build these cantonments must necessarily "disturb the labor market" in the localities from which they are called. Some inducements must be offered employees to do this temporary rush work, which in most cases must be done at a distance from their homes. Consequently an increase in wage is about the only method that can be employed to secure the necessary number of mechanics and laborers. However, it has rarely been found necessary to consent

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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.

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to the increase of wage more than 10 per cent above the prevailing rate in any locality. Not only is every reasonable method being used to safeguard the interests of the Government, but the greatest care is being exercised to the end that the temporary withdrawal of this great number of workmen from the private work in which they are engaged shall disturb general business conditions as little as possible.

PLAN FREE EMERGENCY BUSINESS WAR COURSE

A free emergency business war course will begin Monday, Aug. 6, at the Col-

lege of Business Administration of Boston University. The course, which is for men, will be for the purpose of training younger clerks and others who are to be advanced when older men enter the service. A similar course for women will close in a short time. In the women's course over 800 were registered. A course in conversational French for those who are to go across will also be offered. For this a small fee will be charged. Applications for enrolment should be sent to the director of the course, Lawrence Davis, 625 Boylston street.