

New Recruits Arrive Here For The S. A. T. C.



GROUPS OF THESE NEW RECRUITS FOR THE S. A. T. C. MAY BE SEEN ABOUT THE INSTITUTE WAITING FOR ASSIGNMENTS TO BARRACKS, ETC.

KINNEY '11 DESCRIBES A PATROL FLIGHT

Technology Man Flying With Royal Air Corps Resumes Active Duty After Leave in Paris.

GRADUATE OF COURSE IV

The following letter has been received from Lieut. Mark Curtis Kinney '11, Course IV, who has just returned to the front from two weeks' leave in Paris. Lieut. Kinney is in the Royal Air Corps.

"Yesterday, I had my first flight after returning from leave. We were scheduled for a patrol at five. At five minutes to five, I got into my bus and ran up my engine. It was working fine. Evidently, the fitter had taken good care of it during my absence.

"After throttling down to 600 revolutions, I waved to my mechanic who took the checks from the front of the machine, and I taxied out to the air-drome. I flew for a minute getting the feel and then saw 'A,' the bus was to lead the patrol, leave the ground and start climbing. I did a quick turn and fell into my position on its right and soon we were off.

Headed east, we climbed steadily, until we had reached 14,000 feet. I looked down and saw many familiar landmarks which greet airmen, like old friends who are tried and true.

"There was Adifer wood, with its two prongs resembling the first and little finger of your hand, pointing northwest. If you fly in the direction of the north prong, you will find yourself over Arras, with its many straight

(Continued on page 4)

NAVY FOOTBALL

Men of the Naval Unit who wish to try out for the football team authorized by the Navy Department, should sign the notices placed on the doors of the Navy Dormitories. Games will be arranged away from home, if possible. Candidates must furnish their own togs.

On account of the confusion following the quartering of men in the new barracks, men will be given until Saturday, October 19, to hand in their stories for the shipyard prizes.

VERY IMPORTANT

Until the present it has been impossible for men who were twenty-one years of age before September 12th to enlist in the S. A. T. C. Orders from Washington have just been received, however, which authorizes the induction of these men.

DRILL TO BE GIVEN

Men Under 18 Must Meet On Drill Field Today

All persons under eighteen years of age, who are not in the S. A. T. C. are to meet on the drill field at one o'clock today. They are to have drill, which in all probability will be compulsory.

Ever since Registration Day these men have been running around from information bureau to military office and back again, trying to find out whether or not they will have drill.

The opportunity of entering the barracks will be afforded them. They will have to pay between two and three dollars a day for their tuition, room and food. Tuition, which has already been paid by some of the students, will be credited to their account, and these fellows will have to buy their own uniforms. Col. L. F. Hamilton, who is to have charge of these men, will explain all the details today. Remember, all men under eighteen years of age must report at the drill field at one o'clock today.

Make the Fourth Liberty Loan sweep across New England as New England's troops are sweeping toward Germany. Buy Liberty Bonds.

To date \$15,000 has been collected at Technology for the Fourth Liberty Loan. This money goes to help Cambridge over the top. Help your government by subscribing at school today.

Supplies and Accounts has subscribed a third as much as all the Washington Bureaus put together. Admiral Samuel McGowan, Paymaster General, led his Bureau by subscribing once, and then by doubling his subscription in spite of the fact that he was laid up by illness.

NAVY LIBERTY LOAN DAY

The following bulletin was received from the Treasury Department:

To commemorate the heroic and inspiring achievements of the American Navy in this war, today, October 16th, is hereby designated as Navy Day in the Fourth Liberty Loan Campaign, and I desire every Liberty Loan Committee to do its utmost to co-operate with Navy people and to make the occasion worthy of the great service which it honors.

On this day the nation should dedicate its efforts and its thoughts to the gallant men who are clearing the path to Berlin, to the men who are keeping the Kaiser's fleet bottled up, and exterminating the U-boat assassins.

On this day the American people should pour out their money for the Fourth Liberty Loan with the thought that each dollar is a fighting dollar to strengthen and sustain a fighting Navy.

We who stay at home cannot fire shots at German submarines but we can all help float the Liberty Loan. If we take care of the floating, the Navy will take care of the sinking.

In subscribing without stint, the Nation should be thrilled and inspired by the Navy's own stirring example.

In the first three Liberty Loans the men of the Navy subscribed more than thirty-two million dollars; in the present campaign the Navy men on land sea are again responding joyfully and liberally. They are giving their lives as well as lending their dollars.

From the bluejackets under Sims, from the valiant lads who are manning our destroyers and submarines on the Atlantic, from the stout-hearted men on our transports, from all men of the American Navy, all over the world, comes the pledge that they are with us to the last dollar, the last ounce of strength, the last drop of blood.

Let us answer that pledge by an overwhelming oversubscription to the Fourth Liberty Loan.

(Signed) W. G. McADOO.

NAVAL UNIT TO HAVE ELEVEN

Although plans are under way for the formation of a football team from among the 400 or more members of the recently formed naval unit at Harvard University, no call for candidates has as yet been issued. The college authorities stated that the plans would probably be completed shortly and that practice would be started within a few days. It is believed that there is some likely material among those pursuing this course, and a strong eleven is expected.

REGISTRATION IS NEARLY AS LARGE AS IN PREVIOUS YEARS

Freshman Class Numbers 850 As Compared With 524 In Last Year's Entering Class. Sophomore And Junior Classes Number 800

ARMY CLAIMS 800; NAVY, 250, IN S. A. T. C.

Four American flags displayed at Technology Monday marked the incoming of a new school year. The flags represented different activities, the newest one on a pole set up only Friday marked the administration of the S. A. T. C., while the one in duPont Court was flown by the Naval unit of this corps. On the parade ground beside the Walker Memorial is the flag of the Naval Aviation Detachment, while on the athletic field flies the one which besides the banner of the Commonwealth in Lowell Court is especially the flag of the Institute.

NAVY UNIT

Induction To Continue Until October 20

Lieutenant O'Neil and his corps of assistants have been ordered by the mobilization officer to remain at the Institute until the 20th of October in order to increase the number of men in the Naval Unit. Up to October 14 263 men have been enrolled, 225 of whom have been sworn in. After the 20th no more induction papers will be accepted, so it is wise for all men living at a distance to send for their papers as soon as possible and by telegram.

Rear Admiral John D. Rogers, U. S. N., has been detailed to command the Naval Unit, and Lieutenant L. M. Little has been detailed from the first Naval District to take charge until a permanent commander shall be assigned by the first district.

The rate of commutation for the men will be \$2.00 per per day, one dollar being for subsistence and the other for tuition. The Chem deposit will be paid by the men, although Lieut. Little has written in regard to reimbursement. Orders for clothing and for active duty papers will be issued as they are received from the Little Building.

Registration, which moved comfortably along during the past week was officially finished at five o'clock and the number of students for the coming term was found to be 1680. Of these 850 are the freshman class and the remaining 800 comprise sophomores and junior, for the senior class that normally would be registering now for its last year has so anticipated its studies that its members have already been granted their degrees and are most of them in the service of the country.

For comparison with other years, and one is given to making comparisons under the different conditions the figures of last year may be noted, viz., freshmen, 524; sophomores and juniors together, 794; total, 1318. For all students last year, including specials and post graduate, the figure was 1698, so that the present registration is perhaps 350 greater than for the same classes last year and on a par with the banner figures of 1916 and 1917.

Figures are not yet available for a close analysis of the student grouping, but the number of men from other colleges who have come to the Institute is quite high, above 200 while the quota of men from other countries is also high, about half that figure. Of the latter the contingent from China is above 50 and larger than it was last year or indeed at any time in the past, there are new Japanese faces, some new men from the neutral countries of Europe and a strong delegation from Latin America including two new faces from Uruguay.

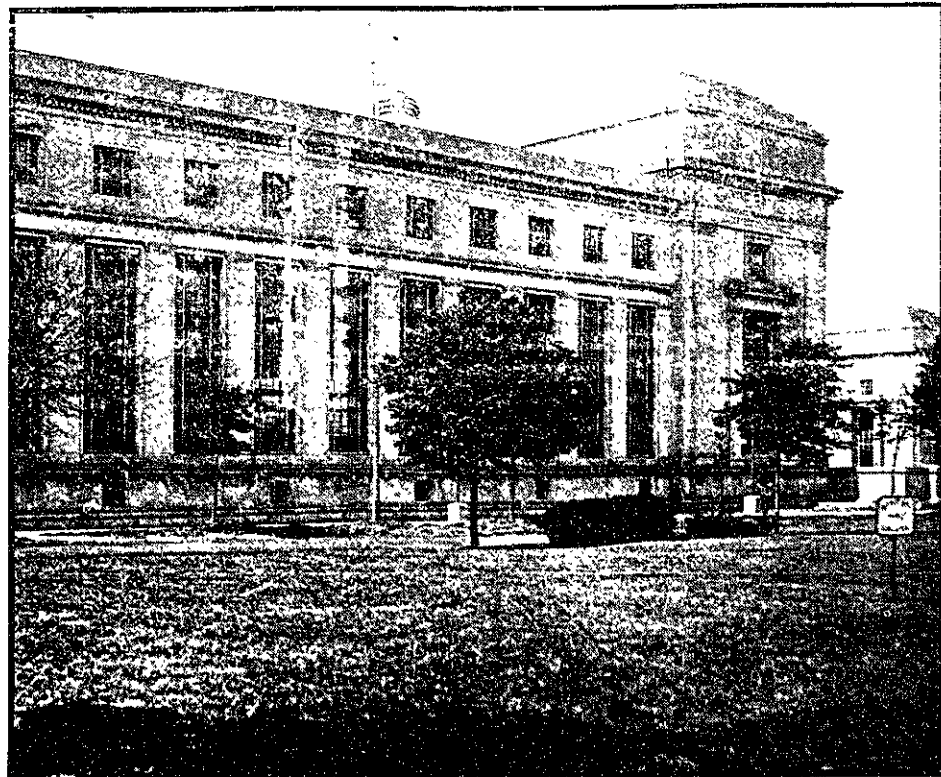
The registration of women is much the same as in past years. Here it is to be remembered that in the courses of Public Health and Biology, which appeal to women, Professor Sedgwick has graduated fifty or sixty in special schools during the spring and summer, these being maintained by the Harvard-Technology School of Public Health. Numerically the Institute is in about its normal condition, without counting the Naval aviators and attendants at the other special schools.

Since Friday Technology has been a military school in that the first group of the S. A. T. C. were then organized. Men have been rapidly inducted till today the corps numbers nearly eight hundred. At the same time students who preferred the navy have been inducted into the Naval Section of the corps and to the number of 245. These young soldiers are now living in the barracks, their meals are furnished at the great mess hall, and the young men are enthusiastic over the quality of the food here; while their exercises have been of the elementary drill character and on a drill field that till now has been the auto park of the Tech professors. Yesterday the academic exercises began and in addition to the men marching out of doors there were platoons in military order making their way through the corridors to the lecture halls and laboratories.

The military administration building is receiving its finishing touches and will be occupied a week hence by the commandant, Major Edwin T. Cole, U. S. A. and his staff. The latter includes about

(Continued on Page 3)

Building 1 Is Now Good Ship Copernicus



THE FRONT WING OF BUILDING NO. 1 HAS BEEN UTILIZED BY THE NAVAL UNIT OF THE S. A. T. C. FOR BARRACKS AND IS NOW CALLED "THE GOOD SHIP COPERNICUS"

The Tech

Established 1881

Published twice a week throughout the year by the students of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. THE TECH assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE OF THIS ISSUE

Robert C. Ellis Night Editor

WEDNESDAY, OCTOBER 16, 1918

THE LIBERTY LOAN

BEFORE most of you receive the next issue of THE TECH, the Fighting Fourth Liberty Loan will be closed. Now, if ever, the Government needs your support. In other loans we gave because we knew the end of the war was not near, and that without our support America could not acquit herself with dignity. Now, we see the end in sight in the distance. This glimmer of light must not cause us to relax our energies, and lay back comfortably with our pocketbooks securely fastened. If we do, the glimmer will fade, and darkness, more impenetrable than before will close in. We must support the last punch which will give the knockout to the Hun.

THE TECH has subscribed \$1000 to this Fourth Loan.

Are you going to let a student activity show more patriotism than you?

A GOOD SPIRIT

AGOOD enthusiastic spirit prevails everywhere in the Training Corps which points to real progress as soon as things get straightened out a little more and every one knows just what he is to do. Of course there is confusion in arranging so many different schedules and new courses. However, the good will and "pep" with which everyone is attacking his work under military discipline forbodes a really successful season. There is very little time for study, but the training in using odd moments will be valuable indeed.

ATHLETICS

WE are wondering whether the S. A. T. C. will follow the example of other colleges and the Naval Aviation and allow athletics under the supervision of the military authorities. Whenever tried it has been successful in other places, especially here at the Institute in the Aviation sections.

BETTER HEALTH

EARLY to bed and early to rise ought to be beneficial to the proverbial Technology Grinds of yore. Now they will have little opportunity to burn the midnight oil. Instead, they will rise in time to see the dawn and go to bed soon after the sparrows.

EVERYONE who has witnessed the erection of the barracks and equipment for the S. A. T. C. marveled at the speed with which they were brought to completion. The dining facilities, however, are the most noteworthy, and the men stationed here at the Institute are to be envied, for the service in their dining hall is a model. The food is far better than any one ever dared to hope for. So smoothly does the cafeteria system work out that close on to a thousand men can be served in about eight minutes. We sincerely hope that this good work continues and those in charge keep up the good work. "GOOD GRUB GOES A LONG WAY."

THE TECH notices with pleasure that the lounging room in the Stone and Webster Building has been put to good use by the Training Corps. We hope that more men will find their way there and make use of the facilities for writing letters and lounging. The popularity of our experiment only goes to prove that a larger and permanent quarters are badly needed.

PERSONALS

ORIC BATES, son of the late **ARLO BATES**, the writer, and noted himself as an archaeologist, died from pneumonia on Tuesday of last week at Camp Zachary Taylor, Louisville, Ky., where he went late in September. His father died on Aug. 24 of this year.

Oric Bates was born in Boston on Dec. 5, 1883, the son of the late Arlo and Harriet (Vose) Bates. He was educated in private schools in this city, to prepare for Harvard, and from there was graduated with the class of 1905. The following year he was placed in charge of the Egyptian department at the Boston Museum of Fine Arts and remained there for about a year, when he went to the University of Berlin for a year.

This in turn was followed by explorations in the Nubian Expedition of the Khedival Government, the Harvard Syrian Expedition and the Harvard University-Museum of Fine Arts Egyptian Expedition. This was in 1908, and the following year Mr. Bates led the Tripoli Expedition, and one into Nubia in 1910, and then for a year he explored the Libyan desert. He later was in charge of an expedition to Sudan, which was followed by still further exploration of the Libyan desert.

On returning to the United States Mr. Bates became curator of African ethnology, Peabody Museum, Harvard University, and he continued there until entering his country's service. He was a member of the Royal Geographical Society and of the Stylus, Signet and Colonial clubs. He was the author of "The Eastern Libyane."

When Professor Burton issued his call for assistants to care for the School for Deck Officers that he was caring for for the U. S. Shipping Board, Mr. Bates came forward and later was the director of the school. Although the work was very much in line with that for winning the war, he felt that something more active would suit him better, and going from the Institute he reported at Camp Zachary Taylor, and his death from pneumonia came within the month.

On June 5, 1913, in Boston, he married Miss Natica Y. Inches, the daughter of Mrs. John Chester Inches. Mr. and Mrs. Bates then made their home at 31 Lime street. Mrs. Bates survives her husband as do two young sons, Manson and John Chester Bates.

VISITORS IN THE TECH BUREAU

From September 12th to September 12th to September 25th, Inclusive

- September 12th: Howard B. Allen '18, Harold P. Gray '16, Paul H. Buxton '16.
- September 13th: John A. House '98.
- September 14th: John M. Batschy '16, Enos W. Curtin '17, Frank J. Howard '18, Edgar L. Kaula '16, C. B. Rogers '13, H. W. Brown '15.
- September 15th: Elton D. Walker '90, Austin Y. Hoy '04, C. A. Coleman '16.
- September 16th: B. H. Byrnes '15, Samuel Chamberlain '18, Laurence D. Chapman '09.
- September 17th: Ernest C. Gagnon '16, Donald A. Montgomery '18, Albert W. Buford '17, James H. Ward '12, Wm. W. Dodge '16, Z. Carleton Staples '05.
- September 18th: R. B. Catton '13.
- September 19th: D. R. Buchanan '18, Wm. C. Lynch '12, Lawrence L. Travis '15, Herbert W. Hamilton '17, Sidney S. Batchelder '17.
- September 20th: David Carb '16, Franklin L. Kline '18.
- September 21st: James G. McDougall '16, Melville C. Whipple.
- September 22nd: Almerin M. Gowing '15, K. M. Cunningham '19, H. B. Allen '18, Charles E. Fox '14, K. N. Day '17.
- September 23rd: Lewis Gerstle Mach '16, W. Carleton Short '14.
- September 24th: Granville B. Smith '18, Elmer P. Grosemer '20.
- September 25th: Albert W. Buck '13.

ALBERT F. MURRAY, of Albany, Ala., who graduated in Electrical Engineering with the Class of 1918, has been commissioned 1st Lieut.- Air Service, Aeronautics. Mr. Murray, coming to Technology as a Maryville College graduate, entered as a Sophomore. Dur-

NAVAL AVIATORS LIBERTY LOAN.

Subscribers	Total Number of Men	Already Subscribed	Per Capita	Per Cent Subscribed	Total Subscription
Officers and Instructors	103	93	\$247	92	\$25,500
Company X	36	35	75	97.2	2,700
Company 28	158	142	368	90	58,150
Company 29	173	173	165	100	28,700
Company 30	194	188	184	97	35,750
Company 31	211	194	121	92	25,600
Receiving Ship	473	473	230	100	112,850
Permanent Detail	70	54	62	77	4,350
Band	33	28	50	84.8	1,100
Yeowomen	15	15	60	100	1,100
Canadians	20	20	100	100	2,000
Totals	1,587				\$225,300

ing his Senior year he was laboratory assistant in the Signal Corps. Radio Communication Course, given jointly by Technology and Harvard.

Upon graduation, Lieut. Murray (then a private in the Aviation Section, Signal Corps), was called into active service and detailed at the U. S. School of



LIEUT. ALBERT F. MURRAY '18

Military Aeronautics at Technology as Head of the Signalling and Radio Department. Shortly after the closing of this school, Sept. 7th, he was transferred to Ithaca, N. Y., where he is an instructor in the School of Military Aeronautics at Cornell University.

While at Technology, Mr. Murray was a member of the Electrical Engineering Society, Vice-President of the Wireless Society; he is a member of the Theta Xi fraternity.

S. A. T. C. DRILLS AT B. U. ARE POSTPONED

Acting upon advice of the state health department, Boston University Council this week voted to postpone the S. A. T. C. drills and the class room work of all students in law, theology, liberal arts and business administration, day division, until Monday, Oct. 21. Meantime home study has been assigned to all students, except those of the school

of medicine, extension courses, the school of education and the evening division of the college of business administration, who will meet this week according to schedule.

By courtesy of Dr. William H. Waters of the Boston University School of Medicine, students desiring vaccination against influenza may have the preventive treatment administered at the College of Business Administration by appointment with Prof. Bellamy at 523 Boylston street.

MEN IN SERVICE

The following are the statistics of the War Service Auxiliary for Oct. 11—

Men in service 2480, Foreign Service 771, Aviation 428, Navy 500, Officers 1582, O. T. C. 171, Insp. or Instr. 110, Amb. R. C., etc. (A. E. F.) 60, Lt.-Col. or higher 32. Cited 17, Deaths 45, erty!

The Higher the Ante, the Shorter the War.—Robert W. Rose, Lieut. (j. g.) U. S. N., U. S. S. Relief.

CONFER TODAY OVER HARVARD ATHLETICS

Harvard's program of military athletics should get under way this week. A conference between Capt. Carroll Dunham, adjutant of the Harvard S. A. T. C., and Maj. Fred W. Moore, graduate manager, has been arranged for.

Talking of the formation of a football eleven, Capt. Dunham said:

"We will start football on a small beginning. Inter-company and inter-battalion games probably will be the result. As the season lengthens, a team from the corps probably will look around for opponents such as the Naval Radio School, Boston College or other units nearby. Still later on we may secure Camp Devens to close our season.

"It is highly improbable that Harvard will meet either Yale or Princeton. The government has made its position plain in the matter of athletic expenses. Although two long trips are permissible next month, I do not believe our team will make use of them."

DIVIDEND OF 10%

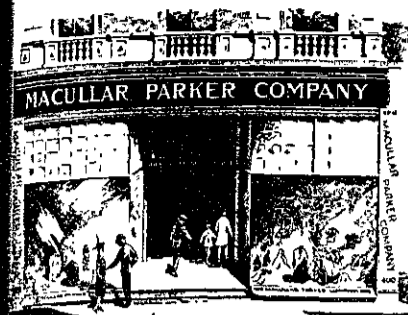
The stockholders of the Harvard Cooperative Society have declared a dividend of 10 per cent. on all purchases made at Technology Branch. The rate at the Harvard store was fixed at 6 per cent. on charge purchases and 8 per cent. on cash purchases.

Checks will be ready the last of October

Moral: Join the Tech Branch

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REGISTRATION LARGE

(Continued from Page 1)

twenty young commissioned officers from Plattsburg, detailed to help him and a number of other officers. The list is the following:

Major E. T. Cole, Major E. S. Smith, Captain J. B. Brainerd, Jr., Captain Charles E. Keveney, First Lieutenant W. Pierce, First Lieutenant F. H. Bartlett, Second Lieutenants A. H. Allen, H. Bucknell, J. M. B. Churchill, T. C. Denton, J. B. Fitzgerald, S. L. Foy, W. P. Harris, L. S. Hoskins, H. R. Kimball, S. M. Lane, A. L. Lotano, C. B. Magruder, C. J. McClenathen, A. L. Nims, W. H. Owens, J. D. Shaw, W. D. Slatery, J. A. Sloan, G. W. Stewart, J. K. Zahn and Mr. E. P. Turner.

The headquarters of the staff will be in the new administration building, a portion of which will be occupied by the Y. M. C. A. hut. This will be one of at least two places serving for lounging room for the young S. A. T. C.'s the other being a small room in the Tech Activities building which has for the past week been caring to capacity companies of students who find there the daily papers and means for writing notes or letters. The plans for the management of the Y. M. C. A. hut are not complete as yet, but it is probable that certain Institute funds will aid it. It furnishes a splendid, well-lighted room sixty feet by forty, with commodious open fireplace and an abundance of tables for correspondence.

The Naval unit of the S. A. T. C. is already homed or berthed in the Copernicus tower at Massachusetts avenue and the Riverway. The temporary commanding officer is Lieutenant Little.

While these are the important new activities of an educational character at the Institute, they are not the only ones. Last evening Professor C. H. Parks with his staff of instructors began the courses of the Lowell Institute School

for Industrial Foremen, with a few more than one hundred adult students. These men will continue at their laboratory work and studies till June, occupying the evenings with special courses fitted for men with experience in the mechanical pursuits. The war has cut the attendance to about one-quarter of the normal figure, but President A. Lawrence Lowell, trustee of the Institute, deems it patriotic work to fit these men for stations better than those they now occupy.

In the morning thirty-six new faces appeared as registering for Professor Miller's sixteenth school in the U. S. Shipping Board's series for training Engine Room officers. The influenza cut down the number somewhat but in return about ten men who were prevented from finishing with the last school will complete their work the coming month and swell the number to nearly fifty.

At the same time in Professor Burton's succession of schools for training Deck Officers some twenty-five new men appeared. These men and the marine engineers are being fitted to take charge of the vessels of the new merchant marine which is being put into reality very rapidly, and already hundreds of men from these schools are engaged in trans-Atlantic service carrying troops or supplies to Europe to help in the fight against the Germans.

Besides these there are other schools already at work, that of intensive work under Professor C. H. Peabody in Naval Architecture and the Harvard-Technology School which is training bacteriologists for technicians in the base hospitals, so that Technology is certainly as well-filled and as busy an institution as ever.

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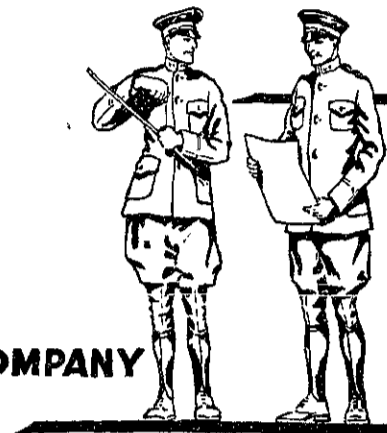
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KINNEY '11 WRITES LETTER.
(Continued from Page 1)

roads running out of it like the spokes of a wheel, to Doulliers, St. Pol, Lens, Cambrai and Baupaume. Directly south is a little wood called Bois du Biez. From this we can see Albert, and running north from that reddish-brown patch of ruins, the Ancre river, on the west bank of which is the strongly contested Quely Wood. Then, south of Albert, like a bit of green string, making innumerable S's on a brown and green floor, is the Somme, winding its way to Amiens and to the sea.

"These are all, as you know, first line landmarks, and, in the present state of supremacy in the air which we now enjoy in our sector, we have as much opportunity to become as familiar with them as you do with the well-known objects on your front lawn.

"It was the Fourth of July on which I had my first flight after returning from leave and we longed for a good scrap with which to celebrate the occasion, but we flew over the lines for two hours and did not see a single Hun machine.

"When patrolling the lines for hours without the least excitement, one flies almost by instinct, and the mind, leaving the formation, darts to other things. Yesterday, up there 14,000 feet above the lines, I thought of my leave in Paris, how pleasant it has been, then of the three chaps who had 'gone west' during my short absence. None of them had had that delightful experience of first leave from the front. Then I thought of the war, the men in the air and on the ground, carrying on almost indefinitely. With what joy will they return to the peace and quiet of their homes when it is over. How sweet will be the scent of flowers, children's laughter and the tenderness of woman. Thank God, the war will have its compensations. The end of killing will mean a greater interest in living. Those who have sat face to face with Death on the battle front and with a light heart thrown the dice for life and won, will return bigger, nobler, more generous-spirited men.

"We returned to our airdrome at a quarter past seven and reported 'No

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E. A. (enemy aircraft) seen; activity normal. That is what a job is like in 'peace warfare.' "

ADVISORY COMMITTEE ON PUBLICATION HAS MEETING

The following is a report of the meeting of the Advisory Committee on Publications, October 7, 1918:

Present: Howes, Burt, Greeley.

Voted: That "Technique 1919" be asked again to report on the disposition of its funds.

Voted: That the Committee recommends that the "Technique 1920" board proceed to edit the book and if later conditions develop making publication impossible or inadvisable, the Undergraduate Trust Fund should bear at least a proportion of the indebtedness already incurred in good faith by the above board.

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