

WASHINGTON TO BE HISTORICAL CENTER

Plan Community Club For College Professors and Students Who Want to Delve Among Archives at Capitol

BOARD WILL BE CHEAP

While the country is deep in war a group of men, college professors all, known throughout the country for their knowledge of the affairs of state, past and present, are planning a center of learning at Washington for the use of those students who may be interested in future in the why and wherefore of the events of a nation's life.

For a long time there had been a feeling among the heads of departments of history and political science in the larger colleges that a closer and more minute knowledge of the machinery of the Government was needed. At a conference held in New York last year Robert McNutt McElroy, Professor of American History at Princeton, proposed the plan of establishing a university center at the national capital for higher studies in the political and historical fields. Representatives of Harvard, Yale, Columbia, Princeton, Johns Hopkins, Pennsylvania, Michigan, and of the Library of Congress, and the Carnegie Institution of Washington unanimously adopted the project, and at the meeting of the American Historical Association, held in Cincinnati last winter, drew up a plan of action.

Means for Higher Study

The object of the center is not to create an independent school, but to provide a means for effective higher study in history, economics, political science, and allied subjects, with the co-operation of the universities having graduate schools. The center will consist simply of a house where the graduate students can gather while they prosecute their studies in Washington under the supervision of a director. Professor Charles A. Beard of Columbia, one of the members of the committee in charge of this work, said the other day that the center was planned to resemble the life of a club where people of slender means could come together for the purpose of extending their knowledge. The community life of the members is to be one of the features of the movement.

"There are," he said, "innumerable students of history and political science all over the country who have no knowledge of the workings of the Government other than that obtained from the textbooks at their disposal. The same is true of teachers in those subjects. This is in opposition to the law of psychology, which demands association with the concrete before an expression of the abstract can be made.

Present Wage Forbids Travel

"This lack of knowledge is chiefly due to a state of pecuniary circumstances. The college professor is really a fit candidate for the proletariat class—the near proletariat, let us say. A young man with a salary of \$1,500 or \$2,000 a year can under present circumstances make no effort to establish himself at Washington for the purpose of making an intensive study of the material gathered there. His pocket would not allow it. It is on account of this that the deplorable fact exists that there are hundreds of students and teachers of history in the country who at best have snatched the luxury of making an excursion to the capital of their country and have seen its wonders from the top of a sightseeing bus. Many have not even gone that far.

"It is to cope with this situation that the plan of the university center was projected. Washington is a treasure-house of material. There are documents and manuscripts of historical and political value dating back to the time of George Washington. Those of public import are stored with the various departments under which they naturally fall—the Treasury, the Navy, War, State, and so on. Then there are others, private and semi-private in character, equally important, and in many cases more interesting, which have been

(Continued on page 3)

USE PULLMAN SLEEPING CAR AS COLLEGE DORM

HIGHLAND, Kan., Aug. 17—A Pullman sleeping car will be used here next year to supplement the dormitory of Highland College. It is a 10-section observation car, accommodating 40 persons, if two sleep in each bed, and has a reading room and a vestibule.

Dealing as they do with students working their way through college, the trustees of the institution were hard pressed this spring when it was announced an addition to the dormitory would be needed next year to accommodate the increasing enrollment. The college had just finished raising a \$50,000 endowment fund and more money for building a dormitory could not be had.

Then President W. Gilbert James learned the Pullman Company had presented a Pullman car to a "self-help" college in the East and he made application for a sleeping car for Highland. The request was granted. A wrecking car crew will be sent here to move the car to the college campus.

PEARSON AT PITTSBURG

East Again on Nation-Wide Trip to Awaken Alumni

(Special to The Tech.)

PITTSBURG, Pa., August 20—To say that the members of the Technology Club of Pittsburgh who listened to the talk of Henry G. Pearson, professor of English at the Institute, were astonished at the revelations of the magnitude of the war activities at Technology, would afford a mild expression of the sentiment aroused here. The club appreciated the move on the part of the Institute of sending Professor Pearson on his tour of the Alumni Clubs, as it affords the Alumni a clear idea of the important work being done at Cambridge.

Professor Pearson told of the work of the Junior battalion in drilling and anticipating some of the work of the Senior year that more time may be devoted to military work this fall. A description was also given of the ground schools of aviation of the army and navy now being held at the Institute. Professor Pearson left for Buffalo directly after his talk tonight.

CHICAGO, Ill., Aug. 19—Plans are in progress here by the Technology Club of Chicago, which was addressed the other evening by Professor Pearson head of the English department at the Institute, to have an abstract of the lecture delivered by Professor Pearson published, so that alumni of Chicago, who were unable to hear the lecture, might learn of the war time work being done at Cambridge.

Professor Pearson's Itinerary.

Aug. 21, Tuesday—Buffalo, N. Y., Statler.
Aug. 23, Thursday—Rochester, N. Y., Seneca.
Aug. 24, Friday—Schenectady, N. Y., Mohawk.
Aug. 27, Monday—Washington, D. C., 903 Union Trust Bldg.
Aug. 28, Tuesday—Philadelphia, Pa., Bellevue Stratford.
Aug. 29, Wednesday—New York, Technology Club.

550 TAKING ADVANCED MILITARY COURSE AT HARVARD

The new Harvard camp of 550 reserve officers completed its formal organization yesterday, and today the three weeks of lectures and trench exercises will commence.

The officers reported, were assigned to an inspection of the network of French trenches that have been turned over for their use at Fresh pond by the Harvard R. O. T. C. Temporary captains of the three companies were chosen and subordinate officers appointed.

TO ALL CLASS SECRETARIES

Let us hear from you about the members of your class.
Every item of news about a Technology man is of interest.

ENTERING CLASS TO BE OF USUAL SIZE

Expect no Decrease in Freshman Registration on Account of Enlistments in Army and Navy

MANY TOOK ENTRANCE EXAMS

With an enrolment of 735 for the entrance examinations to the Institute last spring chances are bright that this year's freshman class will break all records in numbers. On account of the loss of the figures on last year's registration for these exams no direct comparison can be drawn, but it is believed by the registration authorities that the figures equaled those of the previous year, while it is certain that the number of candidates was considerably larger than the 1915 quota.

According to these figures, enlistment has caused little decrease in the number of candidates for the Institute and as the majority of the candidates are not of the draftable age, there is little fear of further diminution in this fall's entering class. How the number of students taking the College Entrance Examination Board quizzes compares with the figures of former years will of course have its effect on the size of the class of 1921.

In view of the war activity and the need of harvesting the crops to feed the United States and the Allies, permission has been given to those candidates for entrance who are engaged in agricultural pursuits to enter upon the presentation of a suitable certificate from their preparatory school. Men entering by such certificate are not present at the examinations this spring. The fact that the dormitories have been filled for the first term is further indication that enlistment has but little affected the registration for this year's freshmen.

TO BROADEN SCOPE OF ALL CORNELL ATHLETICS

Will Not Abrogate "Freshman" Rule On Account of War.

ITHACA, N. Y., Aug. 17—Cornell's attitude toward intercollegiate athletics and the policy to be pursued during the coming year are outlined in the official statement issued by the Athletic Association today, which says, in part, as follows:

The fundamental principle that will govern Cornell's policy in athletics next year will be to broaden, as far as possible, the scope of every branch of sport so that a larger number of men than ever before may receive the benefits of physical training and discipline derived from participation in athletic contests. For years Cornell has consistently sought to encourage general participation among the students in all branches of sport, with the result that approximately half of the undergraduates have taken part in some form of athletics, and it will now be the aim to give every student an opportunity of participating in some form of athletic exercise. This will be the spirit in which all 'varsity athletics will be carried on in the future.

This policy conforms with the recommendations of the National Collegiate Association and the advice given by Secretary of War Baker. Intercollegiate contests at Cornell will be conducted in accordance with the resolutions adopted by the association the freshman rule will be kept, the usual early season practice for football will be eliminated, no appropriation will be made for training tables, and all expenses will be eliminated that are not absolutely necessary, and it is the intention of the athletic council to make such changes permanent as far as possible.

The war department has detailed Lt.-Col. F. A. Barton as commandant of the Cornell reserve officers' training corps, and all freshmen and Sophomores will be required to drill as in the past. However, no excuses from military training will be granted on account of athletics, as has been the custom. Upper classmen who can meet army requirements may take voluntary military training in the R. O. T. C., and upon completing the course are given commissions in the officers' reserve corps.

T. N. T. TO BE MAIN TOPIC OF CHEMISTS MEETING HERE

The American Chemical Society, at its meeting here in September, will discuss many advanced theories and formulas for the preservation of by-products and for the making of munitions as well as latest developments in medicinal remedies, disinfectants, dyes and dyestuffs. The society has just issued a circular giving information about trinitro-toluol, or T. N. T., the explosive used by the Germans to destroy the fortresses of Liege and Namur at the beginning of the war and employed on a large scale by the warring nations ever since.

T. N. T. has been known to chemists since 1863, but not until 1891 did Germany develop its military value. Like picric acid, it does not explode of itself, but is used with a fulminate. Its basis is toluol, a water-white liquid, and a chemical cousin of benzol, both derived from coal tar. Toluol is treated with nitric acid, the result being three classes of compounds, two of which are used in making dyes.

Picric acid, which is a product of carboic acid, is not plentiful in Germany, on account of natural conditions. Toluol, however, is a natural product in Germany.

This, the chemical society points out, illustrates the importance of coal tar products in national defence.

N. E. CHAMPS SATURDAY

Will Pick Team to Represent East at St. Louis Games

The only opportunity the local fans will have of seeing the New England athletes in competition will be next Saturday on Tech Field, where the New England championships will be held. Maj. Frank H. Briggs, who is chairman of the committee, is confident the games this year will surpass any of recent years.

The events are 100-yard dash, 220-yard run, 440-yard run, 880-yard run, one-mile run, pole vault, running high jump, running broad jump, 220-yard hurdles, putting 16-pound shot and five-mile run.

Entries closed Saturday with Maj. Briggs, but he will accept any that reach him this week before the program "copy" is sent to the printer.

Track fans who are of the opinion that admission is charged are mistaken. The games are free, but admission must be obtained by ticket. The tickets are being distributed at the Boston Athletic Association and in other athletic organizations.

After the games are over the committee on track sports in New England will get together and pick the team that will be sent to St. Louis. About ten will be selected and go at the expense of the N. E. A. A. U.

Bill Meanix is working at Fore River and also training. He will probably try for the New England hurdle title. Bill in form is a hard man to beat.

SQUANTUM FLIERS GOING SOUTH

WASHINGTON, Aug. 20—There is little likelihood of the Navy Department rescinding the order for the abandonment of the naval air station at Squantum, Mass., despite the fact such action has been recommended by Governor McCall. Secretary Daniels had the Governor's letter before him today, but was unable to give it consideration because his time was devoted to a conference with shipbuilders. High officials in the department said, however, that the Secretary indicated after receiving the letter that he would not change his mind.

Department officials hold that it would be inadvisable to spend more money at Squantum. "What would be the use of erecting more buildings at Squantum, when, because of the cold winters in Massachusetts, the station could not be used for six months after it was completed?" asked Mr. Daniels' secretary, this noon.

LANSINGH WANTS KNIT GOODS FOR MEN ABROAD

Directions For Making Worsteds Military Garments According to the Latest Red Cross Specifications

NEED VICTOR RECORDS IN PARIS

For distribution to the Institute men fighting in France through the Technology Club of Paris, Van Rensselaer Lansingh '98 has asked for as many woolen sweaters and other military garments of Red Cross specifications as can be made by women friends of Technology. For the benefit of women wishing to knit garments for the comfort of Technology men in the service, the following instructions from publicity bulletins of the American Red Cross are printed herewith. All articles to be forwarded abroad should be addressed, Technology Club of Paris, care of Van Rensselaer Lansingh, Rogers Building, 491 Boylston Street, Boston, Mass.

Knitted Sleeping Socks

1 1-2 hanks knitting yarn, 4 steel needles, No. 12.

Cast 28 stitches on each of 3 needles, 84 stitches in all, for the top of the leg. Join and make 30 rounds of ribbing by knitting 2 stitches and purling 2 stitches.

Next purl 3 rounds, then knit 3 rounds plain. Repeat these last 6 rounds until the work measures 12 inches, then narrow for the toe of sock, as follows: Knit 1, knit 2 together; knit plain until 3 stitches remain on first needle, then knit 2 together, knit 1.

Repeat on each of the next 2 needles of round. Next round knit plain. Repeat the last two rounds until 4 stitches remain on each needle.

Draw wool through all and fasten off on wrong side.

Crocheted Scarf No. 1

Two hanks knitting worsted. One crochet hook No. 5.

Make a chain of 51 stitches. Row 1. Single crochet 50 stitches—chain 1 to turn each end of each row.

Row 2. Single crochet, taking up both loops of preceding row, continue back and forth until scarf measures 53 inches.

Crocheted Scarf No. 2

Two hanks knitting worsted. One crochet hook No. 5.

Make a chain 50 stitches. Row 1—Draw up a loop in second stitch from hook, draw up a loop in next stitch, yarn over, draw through all three loops on hook, draw up a loop in same stitch, draw up a loop in next stitch, repeat from end to end of row, work 1 single crochet in last stitch, chain 2 turn.

Row 2—Draw up a loop in first stitch, draw up a loop in next stitch, yarn over, draw through all 3 loops on hook, draw up a loop in same stitch, draw up a loop in next stitch, repeat from end to end of row, work one single crochet in last stitch, chain 2 turn.

Repeat Row 2 until scarf measures 53 inches.

Abdominal Band

One skein knitting worsted. One pair No. 5 bone or amber knitting needles.

Cast on 72 stitches loosely to allow for stretching.

Knit 2, purl 2, and repeat from one side to the other all across.

Repeat this until work measures 3 inches in depth. The ribbing should measure at least 12 inches across when laid flat without stretching. Next work back and forth in plain knitting (garter stitch) for six inches more. Do not slip first stitch. These rows should measure 17 inches across. If they do not, heavier pins should be used. Make three more inches in ribbing, as before, and bind off loosely. Make another section in same manner and sew two sections together at the sides to form a circular band.

Helmet No. 2

Three hanks knitting yarn. Two bone knitting needles, No. 4; 4 steel knitting needles, No. 12.

Cast on 48 stitches, knit plain 48 rows (24 ribs); slip off on to spare needle.

(Continued on page 3)

The Tech

Established 1881

Entered as second-class matter, September 16, 1911, at the Postoffice at Boston, Mass., under the act of Congress of March 3, 1879.

Published twice a week during the college year by students of the Massachusetts Institute of Technology.

MANAGING BOARD

Paul C. Leonard '17.....Acting General Manager
 Kenneth Reid '18.....Editor-in-Chief
 Donald D. Way '19.....Managing Editor
 George H. Hutchings '18.....Acting Advertising Manager
 O. Donn Burton '18.....Circulation Manager

Subscription \$1.50 for 53 issues, in advance. Single copies 3 cents.
 Subscriptions within the Boston Postal District or outside the United States must be accompanied by postage at the rate of one cent a copy. Issues mailed to all other points without extra charge.

News Offices, Charles River Road, Cambridge, Mass.; 152 Purchase Street, Boston, Mass. News Phones, Cambridge 2600, Main 3810. Business Offices, Charles River Road. Business Phone, Cambridge 2600.

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

TUESDAY, AUGUST 21, 1917

THE MISTAKEN ATTITUDE

THE idea is becoming prevalent among our people that America's entrance into the war has sealed the doom of Germany; that as soon as the American army is landed upon the other side the Teutonic forces will be swept across the Rhine; that, realizing this, the Germans are making every effort to bring about peace before their downfall is made certain. This attitude is being taken by a number of prominent newspapers and is by them being fixed upon the public mind.

Such an idea may possibly reflect the true condition of affairs abroad but it has a tendency to make our people settle back comfortably and complacently into inactivity. Patriotism and confidence in our national ability to fight are good things in some ways but it is folly to let the feeling degenerate into a national conceit. The Austro-German forces are not conquered yet and, until they are, a healthy respect for their military prowess and a corresponding seriousness of purpose to conquer them should be fostered by our press. Nine out of ten people in this country now do not realize that our part in the war is going to affect them to the extent that they will be called upon to make sacrifices for it. The sooner they are waked up to the fact the easier the hardships will be to bear when they come.

THE ETHICS OF PUBLICITY

By L. C. Eddy Jr

PUBLICITY is one of the greatest powers in the world. It is very difficult for the average man to remain unmoved in the face of general praise or disappointment. Epictetus said, "Do not so much be ashamed of that which proceeds from men's opinion as fly from that which comes from the truth. When you have decided that a thing ought to be done and are doing it, never avoid being seen doing it, though the many shall form an unfortunate opinion about it."

Some affairs are essentially private, such as those of a war bureau in time of war, and others are public. It is often wise to give publicity to the good in our friends rather than to the bad; and to ask for permission before examining letters and personal articles. In order to fight the fear of publicity one may resolve to do nothing in a clandestine manner, and to care nothing for what people think. Society frankly approves those who are frank in conduct. It is best for one to stand up for what one thinks is right; and to know what one is talking about when one talks. Good principles are worth proclaiming. It is not wise to put private opinions over established opinions unless one knows that the private opinions are best. Publicity is one of the big assets of business as well as of the pulpit and press. Craving for personal notoriety is not usually a desirable characteristic; but notoriety itself usually enlarges a man's sphere of influence.

COLLEGE REGISTRATION

(From the Boston Transcript)

There is nothing really new in the reports now extant concerning the colleges' anticipation of a decreased enrollment next fall, but as the time draws near when the educational plants normally revive their full activity, the facts of the situation become increasingly plain. Apparently the campaign to keep all boys not of military age steadily in the usual course of their studies has achieved success. The forecast made today of Harvard's entering class promises not less than six hundred, which is an approximation to its normal figure. Turning to another State, such as Pennsylvania, the reports from the State College there give the same indication of a freshman class of at least ordinary size. This expectation holds good in general. From the three upper classes, especially the Junior and Senior, on the other hand, many men will be missed. In this respect Harvard will have losses to bear which will be

second to none in the country, thanks to the large numbers of the university's men who have already volunteered their service to the country and who have been accepted. More are yet to be taken. The conditions of the year create a difficult problem for the administrators of our colleges. But these men are ready and eager to tide over all present emergencies. And as for the students who have gone to the colors—they do not relinquish their educational progress; they secure it more firmly than ever.

EXPECT 600 FRESHMEN AT HARVARD THIS FALL.

Preparing For Usual Enrolment Despite War.

Harvard will receive a freshman class of nearly the usual size when the university opens late next month, according to current indications, but the upper classes in college will suffer telling losses in enrolment. It is expected that approximately 600 freshmen will

Prepare baby's food according to the Mellin's Food Method of Milk Modification



come to Cambridge, but there will be a shortage of upper classmen ranging from 25 to 35 per cent. of the usual enrolment.

A bumper freshman crop, in spite of war times, is due because most of the freshmen are not old enough to be affected by the draft, and they are consequently heeding the advice that has been so frequently given by educators, and by President Wilson himself, that every young man who is not called upon to fight should go on with the college career he had previously decided upon.

Upper Class Men in Service.

The upper classes of Harvard will not fare as well as the 1921 class, however. Upper class men, as a general rule, just fall into the draft age, and hundreds of them at Harvard have already gone into various forms of service. In addition, the draft will take away many more, and the classes that reassemble at Cambridge next month will be more than decimated by the demands of war. The university has no means of knowing exactly how many men will come back to college, but the outlook, at best, points to many missing men.

Dormitories All Rented.

Receipts in the Harvard coffers will diminish at this most inopportune time, as a consequence, but the university is nevertheless determined to neglect none of the departments. Some saving will be permitted by having fewer assistants in the course, but economy will not be allowed to go so far as to be detrimental.

Harvard is fortunate in the matter of dormitory rents, for the college will lose little or nothing through vacant rooms this year. The freshman halls will be crowded, and the yard dormitories are to be well occupied by Seniors. It is possible that the overflow of freshmen will be accommodated in some of the yard dormitories. The gold coast places will show the chief evidence of decreased college attendance.

The popular idea of fighting deer pictures them with locked horns. Elk, however, fight erect on their hind legs, their heads thrown back. In this position they stab viciously at each other with their sharp front hoofs and often inflict serious wounds. It is a very human way of fighting, and these sparring contests often develop high skill.

ROME.—The Minister of Marine is planning to establish a powerful wireless station which will be constructed on a new system, radically different from that adopted thus far by all the big European companies.

It is hoped that by making a record in rapidity of construction it will be possible to open the new station soon.

The Advantages We Offer

An efficient and courteous organization, progressive methods, large resources and three offices, conveniently located in different sections of Boston, combine to make the Old Colony Trust Company the most desirable depository in New England.

Capital and Surplus.....\$ 13,000,000

Total Deposits over..... 150,000,000

Old Colony Trust Company

52 TEMPLE PLACE 17 COURT STREET 222 BOYLSTON ST. BOSTON

SIMPLEX WIRES AND CABLES

NEW BUILDINGS OF

M. I. T.

WIRED WITH

SIMPLEX

SIMPLEX WIRE & CABLE CO

MANUFACTURERS

201 DEVONSHIRE ST. BOSTON CHICAGO / SAN FRANCISCO

MUNROE FELT & PAPER CO.

MANUFACTURERS OF

Parcel Post Kraft

For High Class Wrapping Bags, Envelopes, etc.

Tough, Elastic, Pliable, Uniform. Free From Acid and Adulterants. Made From Pure Imported Sulphate Pulp.

MAKERS ALSO OF Blanks, Carpet Linings, Cheviots, Crimps and Other Specialties.

MILLS AT LAWRENCE, MASS.

C. W. RANTOUL CO.

42d Street Building New York Agents

Office: 79 Summer St.

BOSTON

The Tech Caf



Open Daily and Sunday Until Further Notice

Robert A. Boit & Co.

40 Kilby Street Boston

INSURANCE OF ALL KINDS

THE TECH

Will Print During the Summer

News From

CAMBRIDGE, PLATTSBURG AND MACHIAS

Twice a Week (Tuesday and Friday)

Three Cents the Copy

How About That Subscription? A Dollar and a Half will bring The Tech for six months.

Three Recent Graduates

Just Commissioned Reserve Officers



J. T. LEONARD '18
First Lieutenant Infantry



H. E. LOBDELL '17
Second Lieutenant Infantry



E. P. BROOKS '17
Second Lieutenant Engineers

BOWDOIN WILL OPEN WITH MILITARY TRAINING THIS FALL

Building Housing Soldiers Will Be Vacated by Sept. 20.

BRUNSWICK, Me., Aug. 18—Dean Kenneth C. M. Sims of Bowdoin has issued the following statement regarding the coming year at the college:

Bowdoin College will open on Thursday, Sept. 20, as previously announced. The college has received assurance from State officials and from officers in command of the First Maine Heavy Artillery that the buildings will be vacated in plenty of time to make preparations for the reception of students on that date. Every indication points to the fact that there will be a good entering class; and while the Senior and Junior classes will be somewhat depleted by men now in the national service, it is probable that the majority of the members of the upper classes will return to college.

The college has received word from the War Department in Washington that the Infantry Unit, Senior Division, of the Officers' Reserve Corps, will be maintained next year, and that a retired officer will be detailed as professor of military science as soon as a suitable one can be found. This means that military training will be provided for boys in the college to be taken along with their regular college work.

The work of the college in all departments will be carried on as usual. Professors Bell and Van Cleve of the faculty have received commissions in the Army, but the usual courses in history will be given by Professor Hornell and by M. H. Cochrane, who comes to Bowdoin this fall as instructor. A course in philosophy will be given by Professor Burnett, in place of the course that has previously been given by President Hyde.

WASHINGTON TO BE HISTORICAL CENTER

(Continued from page 1)

obtained from the families of men great in history.

"The point is this: Suppose I am writing a life of John Jones. At a certain time in his career I discover that he reached a crisis which would result in the failure of a plan of his unless aid was quickly given him. In my research I discover a letter written to Tom Jones in which he asks help. The mere fact of the presence of this letter does not, however, presuppose that Tom Smith came forward and pulled John Jones out of the difficulty. I need the answer to the first letter before I can go on with my biography. One must see both sides of the question before passing judgment on the success or failure of a plan. This is the type of material at the disposal of the student or historian at Washington. He can get a comprehensive and intimate view which will result in the right perspective.

Lots of Material in Cellars

"Every President has left behind him a vast amount of material. It is the prerogative of the nation's head to take those papers of unofficial character with him as soon as his term is up, but in the great majority of cases he has not done so. On account of the lack of space they have been stacked in the cellars and sub-cellars of Washington and make up a wealth of material without which the story of the Administrations could not be written.

"As matters now stand, nobody but the well-to-do historian can afford to get at them. He, however, is a rare specimen. It means an extended stay at Washington, the going through of yards of red tape, the hiring of stenographers and hours of arduous undirected research among cobwebs, dank, and dust. Some time ago I was working on the Administration of George Washington and was greatly interested in getting in touch with manuscripts that would give me a more intimate view of the man. It was only with the help of a vacuum cleaner, a broom, and a dust cloth that I could finally produce some order. To me there is nothing so deplorable as the fact that of the many thousands of dollars that have been spent on pork barrel appropriations, not one dollar has been invested in building a place suitable for the housing of important historical documents.

"What the Center purposes to do is

to invite young people of the country—both men and women—to co-operate. The center will be the club of which the universities of the country will be asked to become constituent members supporting it, and the students coming to it will be its guests. The latter will not pay tuition, but will make the Center their home and pay a stipulated price for board. The house will be open to students and professors for as long as they wish to stay.

Talks by Resident Professors

"Although we expect to have no formal course of lectures, there will be a series of talks given by professors who are living there. There will also be lectures by Government officers. We expect to have an advisory committee on which the Secretary of State, the Secretary of the Interior (Bureau of Education), the Librarian of Congress, the Secretary of the Smithsonian Institution, and the Director of the Pan American Union will be asked to serve. The effect of this will be to put the Government in a sort of partnership without liability with the universities and to establish an easy relationship with mutual benefit between the two. The Library of Congress, the libraries of the State, War and Navy Departments, the Bureau of Education, the Patent Office and the Pan American Union are to be placed at the disposal of the students. This has been made possible by a law passed in 1901 directing that the Government libraries, archives and collections be opened under proper regulations to accredited students.

"The City of Washington is known as an intellectual center to which are drawn students of various interests for the purpose of research and development along different lines. Ethnologists come to the Smithsonian Institution, art collectors to the museums, chemists to the weights and measures departments and so on. It seems the most natural thing, then, that students should come for help in that study which the city by very virtue of its purpose is most fitted to give."

The other members of the committee are Professors Dana C. Munro of Princeton and Albert Bushnell Hart of Harvard, Dr. Gaillard Hunt of the Library of Congress, and Waldo G. Leland of the Carnegie Institution.

LANSINGH WANTS KNIT GOODS FOR MEN ABROAD

(Continued from page 1)

Work another piece to correspond; now slip the stitches of both pieces on to 3 steel needles having 32 stitches on each needle; knit 2, purl 2, for 32 rows; bind off 28 stitches loosely to make the opening for the face; knit 2, purl 2, backward and forward for 12 rows. Cast on 28 stitches loosely and on 3 needles, knit 2, purl 2, for 20 rows. Knit one round plain, then knit 30 stitches plain, knit together; repeat from around. You will have decreased 3 stitches. Continue decreasing in these 3 places in each round until 27 stitches remain, knit 2 rounds plain. Bind off. Sew top together.

TO ALL TECHNOLOGY CLUBS

What are you doing?
Send us a batch of news!

RADIO DRAFTSMEN WANTED

The General Radio Company, 11 Windsor street, Cambridge, desires the services of several men for temporary work on the drafting of wireless apparatus. This work should appeal to undergraduates. Apply directly to Mr. Eastham, General Radio Company.

Sale of Oxfords

At our Sale Prices, it is real economy to buy for the future

\$6.00, \$6.50, \$7.00 OXFORDS

NOW

\$5.00

TECHNOLOGY BRANCH

E. H. ROLLINS & SONS

INVESTMENT BONDS

200 DEVONSHIRE STREET - BOSTON

NEW YORK PHILADELPHIA CHICAGO

DENVER SAN FRANCISCO LOS ANGELES

Edward W. Rollins—M. I. T. '71

The War-Time Tech

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

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

THE UNDERGRADUATES are efficiently fitting themselves for similar patriotic duty.

"THE FRIENDS OF TECHNOLOGY" have organized to provide for men at the front.

Already Institute men are in EUROPE, and Lansingh '98 has arrived and opened a Technology center in Paris.

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

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

THE WAR TECH WILL GIVE:

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

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

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

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

NEWS TWICE A WEEK, fresh, condensed, accurate, vital to every man and woman closely or remotely allied with Technology.

NO TECHNOLOGY MAN CAN AFFORD NOT TO SUBSCRIBE.

Six months (52 issues) for \$1.50; anywhere in the United States. For their own sakes and to stand behind the great drive to put all the resources of Technology behind the United States and her Allies, we urge every Institute man to subscribe.

M. I. T. ALUMNI ASSOCIATION
Francis R. Hart '89, President.
Walter Humphreys '97, Secretary.

MOBILIZATION COMMITTEE
Isaac W. Litchfield '85, Chairman.
James P. Munroe '82, Treasurer.

TECHNOLOGY CLUBS ASSOCIATED
Hollis Godfrey '88, President.
F. A. Smythe '89, Treasurer.

TECHNOLOGY WOMEN'S ASSOCIATION,
Miss Mabel K. Babcock '08, President.

FRIENDS OF TECHNOLOGY
Mrs. Edward Cunningham, Chairman.

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

Kenneth Reid '18, Editor-in-Chief.

THE TECH
Paul C. Leonard '17, General Manager.

STONE & WEBSTER

FINANCE public utility developments.

BUY AND SELL securities.

DESIGN steam power stations, hydro-electric developments, transmission lines, city and interurban railways, gas plants, industrial plants and buildings.

CONSTRUCT either from our own designs or from designs of other engineers or architects.

REPORT on public utility properties, proposed extensions or new projects.

MANAGE railway, light, power and gas companies.

NEW YORK BOSTON CHICAGO

A. SHUMAN & CO.

Clothiers and Outfitters

For MEN, WOMEN and CHILDREN

"MADE IN NEW ENGLAND"

A. Shuman & Co.
Boston
Shuman Corner
THE SERVICE STORE.

U. S. NEEDS TECHNICAL MEN FOR SERVICE DURING WAR

For further information concerning these positions, communicate with the nearest Secretary of the Civil Service Commission or the M. I. T. Committee for National Service, 908 Union Trust Bldg., Washington, D. C.

| Position | Service | Salary | Date of Exam | Cir. No. |
|---|-----------------------------------|---------------------|--------------|----------|
| Laboratory Aid, Motion Picture Lab. | Dept. Agriculture | \$720 | August 8 | 1598 |
| Tent Inspector | Quartermaster | \$1,200 | — | 1599 |
| Ordnance Foreman | Puget Sound Navy Yard | \$5.52 per day | — | 1600 |
| Shop Apprentice | Dept. Commerce | \$540 | August 22 | 1597 |
| Asst. Insp. Cloth Equipment | Ordnance | \$960-\$1,500 | — | 1370 |
| Asst. Insp. Leather | Ordnance | \$1,200-\$1,500 | — | — |
| Asst. Insp. Small Hardware | Ordnance | \$960-\$1,500 | — | 1370 |
| Asst. Insp. Textiles | Ordnance | \$960-\$1,500 | — | 1370 |
| Asst. Insp. Leather Equipment | Ordnance | \$1,200-\$1,500 | — | 1370 |
| Asst. Metallurgical Chemist | Ordnance | \$1,000-\$1,500 | — | 1617 |
| Production Expert | Signal | \$1,500 | August 21 | 1682 |
| Scientific Asst. Drug- Plant Inves. | Dept. Agriculture | \$1,200 | August 22 | 1621 |
| Entomological Insp. | Dept. Agriculture | \$1,400-\$1,740 | August 22 | 1620 |
| Finger Print Classifier | War Dept. | — | — | 1683 |
| Radio Engineer | Signal Ser. | \$1,800 | Sept. 4 | 1797 |
| Heating and Vent. Engineer and Draftsman | Treas. Dept. | \$1,500 | Sept. 4 | 1766 |
| Electrical Eng. | Treas. Dept. | \$1,500-\$1,600 | Sept. 4 | 1766 |
| Mechanical Eng. | Treas. Dept. | \$1,600-\$1,800 | Sept. 4 | 1766 |
| Investigator in Marketing | Dept. Agriculture | \$2,400-\$3,000 | Sept. 4 | 1765 |
| Junior Civil Engineer | Interstate Commerce Commission | \$1,200-\$1,680 | Sept. 5 | 1764 |
| Junior Architect | Interstate Commerce Commission | \$1,200-\$1,680 | Sept. 5 | 1763 |
| Asst. El. Eng. Qualified in Municipal Research | Dept. Commerce | \$1,400-\$1,800 | Sept. 5 | 1707 |
| Laboratory Helper | Bureau of Mines | \$1,080 | Sept. 5 | 1705 |
| Asst. Microscopist | Dept. Agriculture | \$1,800-\$2,000 | August 28 | 1704 |
| Chief Draftsman | Ordnance | \$2,500 | Sept. 4 | 1767 |
| Pressman on Offset Presses | Engraving and Printing | \$1,200-\$1,400 | August 28 | 1741 |
| Qualified Chauffeur | Post Office | \$792-\$1,000 | August 28 | 1703 |
| Aid | Various | \$1,200 | August 22 | 1670 |
| Investigator Accounting, office management | Bureau of Efficiency | \$2,000-\$3,000 | August 21 | 1669 |
| Inspector Field Artillery Ammunition Steel | Various | \$1,500-\$1,800 | — | 1601 |
| Asst. Insp. Field Ammunition Steel | Various | \$3.50-\$5.00 p. d. | — | 1601 |
| Mechanical Lab. Asst. | Bureau Mines | \$960-\$1,080 | August 22 | 1668 |
| Aid | Bureau Standards | \$600-\$720 | August 22 | 1665 |
| Jr Gas Chemist | Bureau Standards | \$1,200-\$1,500 | August 22 | 1666 |
| Bookbinder | Printing Office | \$4.00 per day | August 22 | 1667 |

OFFICIAL FROM THE
**M. I. T. Committee for
National Service**
JAMES P. MUNROE, Chairman

WASHINGTON BUREAU
908 Union Trust Building
JOHN M. DeBELL '17 in Charge

A direct means of communication
between the Technology and the National
Government. If there is anything
you wish to know in Washington,
write to the Technology Bureau.

Personals.

Among the callers at the Washington office during the past few days have been:

H. M. Wilcox, '05, who is with the Winchester Repeating Arms Co.
Paul Buxton, '16.

Langdon Coffin, '08, with the Samson Cordage Co.

F. Desmond, '09, the newly elected secretary of the New York club, and president of the Newburg shipyard. The Newburg company is building four wooden and four steel ships for the government, and is about to expand its working force from five hundred to fifteen hundred men. It could use men experienced in ship building or steel construction.

H. S. Whiting, '06, who is planning to establish a Washington office.

H. P. Gulliver, '87. Dr. Gulliver is one of the first geographers of the country, and expert topographer and ardent scientist. He is at present co-operating with the Aviation Division, and will probably spend considerable time on the French front in the near future.

G. L. Gilmore, '90, of the Middlesex Bleach, Dye & Print Works, secretary of his class.

W. G. Brown, '16.

Orders.

1st Lieut. Arthur L. Brown, O. O. R. C., has been ordered to the Springfield Armory, Mass., for duty. (Aug. 7, W. D.)

1st Lieut. D. F. Benbow, O. O. R. C., has been ordered to Washington for active duty (Aug. 8, W. D.)

1st Lieut. George Maverick, O. O. R. C., has been ordered to Bridesburg, Pa., for duty. (Aug. 9, W. D.)

Procedure for Drafted Men.

Major Murphy, of the Adjutant General's Office, approved the advice given in the last issue of The Tech, with regard to preliminary preparation of men who have been drafted, and says that assignments to the various arms of the service at the national

army encampments will be made by the divisional commanders. Men who believe themselves particularly qualified for a particular branch of the service may properly write the adjutant of the division to which they are assigned, respectfully requesting that they be considered for assignment to a certain arm, and stating briefly their reasons and qualifications. Appointments as non-commissioned officers will be made strictly on ability, after the divisions have reported.

More Special Engineer Regiments.

The President has authorized the creation of twenty-five additional Engineer regiments, to supplement the nine special (railway) regiments already enlisted. These are designed to handle engineering operations behind the lines. They will be mobilized at the divisional encampments, and will be officered principally from the E. O. R. C. and training camps.

Distinguished Colleges.

The following colleges have been listed by the War Department as "Distinguished" for the year 1917:

V. M. I., The Citadel (Charleston, S. C.), Norwich U., Cornell, Harvard, St. John's (Annapolis), U. of Illinois, U. of Minnesota, U. of California, Oregon Agricultural, Texas A. and M., U. of Vermont, Purdue, Leland Stanford, Stanford, U. of Georgia.

Provisional Second Lieutenants.

The Army and Navy Journal states that the result of the recent examination for appointment is not likely to be available before Sept. 1. Over 2500 took the examinations.

DARTMOUTH SESSION ENDS.

Total Enrolment of This Year's Summer School Was 267.

HANOVER, N. H., Aug. 18.—The summer session at Dartmouth College closed this noon. Although the number of Dartmouth undergraduates and master's degree candidates was reduced by the war, the number of other students enrolled was practically as large as any year except 1916. The total enrolment was 267. Fifty-three different colleges were represented by the student body; eighty teachers in secondary schools and forty in grammar schools attended.

ACCIDENTAL SHOT KILLS
CAPTAIN MORTON E. COBB '87

Following the accidental discharge of a revolver, which he was examining at his home, 170 Lake Avenue, Newton Centre, Capt. Morton E. Cobb '87, of the quartermasters' section, officers' reserve corps, attached to the department of the northeast, died at the Newton Hospital the following morning. The bullet wound entered his abdomen.

Capt. Cobb was the son of the late

ex-Mayor Henry E. Cobb of Newton. After graduating from the Newton public schools and the Massachusetts Institute of Technology, he became interested in military matters, and in 1895 joined troop A, 1st squadron of cavalry.

He later was appointed to the staff of the 2d brigade, then commanded by Gen. William A. Bancroft. His last assignment was as adjutant-general of the 2d brigade. He retired with the rank of lieutenant-colonel in 1913. Recently he accepted a commission in the officers' reserve corps and went into active service. Capt. Cobb also was active in the brokerage business, and had an office at 141 Milk Street. Recently he was appointed secretary of the committee on public safety in Newton.

IN TERMS OF THE FUTURE

(From the Springfield Republican)
Educational experts in Washington fear that the war is to draw more heavily upon students in colleges than has been anticipated. One of them puts the matter in this way:

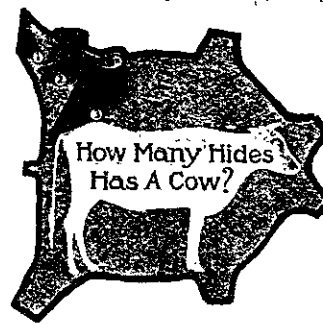
"Of course we must win the war, and make sacrifices to that end, but if we stop the onward march of education, we are headed for trouble. The problem is all the more serious because people are generally aware of it. It is hard to get folks excited about education and trained leaders for the future, when they can be thrilled by airplanes and submarines. But mark my word, this is a problem of problems."

It is well known how heavily the volunteer system in Canada has drawn upon the colleges, and educators there congratulate the United States on the adoption of the selective draft principle in preference to complete reliance upon volunteering, which experience there has shown decimates the colleges first. That young men who are old enough and were ready to leave college in June should have enlisted for military service was to have been expected, and we are likely to have a repetition of this next year. What is needed, therefore, is to fill the incoming class as full as possible at all the colleges. Everything possible must be done to keep education going all along the line. War makes necessary chemists and physicists, quite as much as soldiers. This is shown by the fact that the best specialists of this country are at work under Government supervision, and the race of them must not be permitted to run out. Physicians and engineers must be made to think in terms of the future as well as of the present.

Two killed in Brazilian Riot

BAHIA, Brazil, Aug. 8.—Disorders have been caused here by the high cost of living. Two persons were killed and a number wounded in conflicts with the police.

DU PONT AMERICAN INDUSTRIES



Uncle Sam Says

"Not Enough"

Every loyal American should help save leather

Uncle Sam is pointing the way. He is using leather substitutes for upholstery on all his Trucks, Ambulances, Air-planes and Ships. Will you help him?

Whatever your business, make it your business to save leather. Every hide replaced with a good substitute helps furnish shoes for our armies, harness for our farms, belting for our factories—it helps win the war.

What Leather Substitute Will You Use?

Uncle Sam's Choice Is



He has given us contracts for supplying Fabrikoid to "all U. S. Government Executive Departments and Independent Establishments," to the U. S. Navy, and to the Government Printing Office. Thousands of yards of Fabrikoid are being used on his Motor Trucks and Air-planes.

Uncle Sam's O. K. means a lot to you. It means that the most critical buyer in America endorses the utility and quality of Du Pont Fabrikoid as a national economy.

Specify Du Pont Fabrikoid and save leather wherever possible—your own and the nation's interests demand it.

SAMPLES AND LITERATURE ON REQUEST

DU PONT FABRIKOID CO. WILMINGTON DELAWARE

DU PONT AMERICAN INDUSTRIES
E. I. du Pont de Nemours & Co. Wilmington, Del.
Industrial, Agricultural, Sporting and Military Explosives
Du Pont Fabrikoid Company Wilmington, Del.
Leather Substitutes
Du Pont Chemical Works 120 Broadway, New York
Pyroxylin and Gas Tar Chemicals
The Arlington Company 725 Broadway, New York
Ivory Py-ra-lin, Auto Sheeting, Cleanable Collars
Harrisons Inc. Philadelphia, Pa.
Paints, Pigments and Chemicals

SCHUMAKER-SANTRY COMPANY
Power Plant Equipment
BOSTON, MASS.

CORDAGE and TWINE
Trade Mark
Samson Cordage Works
BOSTON, MASS.

Homer F. Livermore INCORPORATED
IF IT IS OF METAL WE CAN FURNISH IT
85 and 87 Pearl Street BOSTON

TRY
Rupert Lunch
For Good, Wholesome Food
NEAR THE M. I. T. DORMS
Tel. Camb. 25277
Discount on Meal Tickets

While working in a field near Charleston, Mo., men unearthed a number of clay pipes of peculiar construction. The pipes are richly ornamented in figures and flowers. All appear to have been used in smoking, and are highly colored. It is presumed that they are relics of the ancient mound builders.

PENSION FRANCAISE—House recently occupied by Professor von Munsterberg. Opens August 1. Educated, refined French family offers board, room, laundry to professors, students, and others. Reasonable terms. Excellent table. French spoken exclusively. Write or come, see at once, Mme. Lenior, 16 Avon Street, Somerville.