

MR. BRUSH TELLS OF FACTORS IN SUCCESS

President of Boston Elevated
Gives Informal Talk on His
Experiences and Their Rela-
tion to His Position

ELECTORAL COMMITTEE CHOSEN

At the last meeting of the Technology student branch of the American Institute of Electrical Engineers, "Mat" Brush, '01, president of the Boston Elevated Railway Company, elucidated the means of success for the young engineer in the business world and demonstrated in himself the example of a Technology graduate who has really placed his position in the line of successful engineers. Although his informal talk lasted over a period of two hours, and the discussion and advice given by him consumed another, the sixty odd attending members of the society were held as spellbound by the tale of personal experiences and those of other men with whom he continually comes into contact. Even if there was no ice-cream served at the smoker, because the Institute refrigerating plant was not in running condition and no outside arrangements could be hurriedly made, the attending students were quick to take advantage of the time thus gained in obtaining fatherly advice of all conceivable sorts from President Brush.

"Stick-to-it-iveness and concentration" is the one motto which "Mat" dwelt upon especially as the means of success to himself and a large percentage of his acquaintances; and this motto was vividly brought out by the speaker in the tale of his life. Deprived of an early education by the unfortunate circumstances of his family in the panic of 1893, "Mat" was forced to earn an humble living as a hotel porter in a small western town; but even such difficulties did not keep him from his goal as an engineer. While assuming his duties at this time he met several prominent men who became interested in him and helped him on his road to Technology. But the great financial task was left to "Mat" himself, and he immediately obtained summer employment on a lake steamer for five consecutive years.

It was while he was working in the capacity of porter in his first year there that "Mat" took advantage of his opportunity to advance, for when the purser of his steamer piled work upon his shoulders he buckled down to it and "concentrated." The amount of work which he had to do, increasing from year to year, he assumed great responsibility and was soon advanced to the position of purser, with a corresponding increase in salary of six hundred and seventy-five dollars per season. Here was one of the many times when President Brush jumped at an opportunity, and was advanced, submitting to extra work that was expected of him, rather than getting away with the least he could do. As a lesson of this experience, President Brush has devised the saying, "Push against the wall of opportunity all the time; so that when a hole is broken through for you, you will be the first one there to take advantage of it."

It was while on this steamer as a porter that "Mat" met Mr. John D. Rockefeller, a passenger, who became interested in the polite, energetic servant and his story, and gave him a recommendation to the mayor of a Massachusetts town. This letter was of great use to him at the end of the first term of his freshman year at the Institute, when his friends became exhausted and his college career was dangerously near to a fatal end, for it brought to him on a loan enough money to tide him through to the next summer. Here again was an example of taking advantage of opportunities.

After graduating from the Institute, "Mat" went to work in a western railroad as an assistant machinist, where he distinguished himself again as a person of remarkable presence of mind and excellent ability. The chief machinist was tossing hot sections of an air com-

(Continued on page 2)

JUNIOR PROM SIGN-UP CAMPAIGN STARTS MONDAY

It has been definitely decided to start the sign-up campaign for the Junior Prom Monday, March 11th. The number of sign-ups this year is to be limited to 200 and as soon as this number is secured the campaign will close. In the event that 200 are not secured within a reasonable amount of time the campaign will continue for three weeks, after which time, however, it will be closed even if 200 have not been secured. The first 200 to sign up will be issued tickets. The price this year is the same as that of last year, one dollar for the sign-up and six dollars for the tickets. Sign-ups can be secured from any of the members of the Prom Committee, which is comprised of the following men: W. H. Banks, Jr., E. F. Doten, C. W. Drew, Jr., G. C. Fleming, R. P. Hackett and E. R. Smoley. The Prom will be held at the Somerset Hotel on Friday, April 19th.

FINANCE COMMITTEE

Finance Committee reports are now due in room 3-203 and if the door is locked, enter through room 3-205. Reports should be left in the lower right-hand drawer of the Finance Committee files. The next meeting of the committee will be on Friday evening, March 15, at 7:00 o'clock. The room will be announced later.

ELECT 1918 OFFICERS

Governing Board Picks Men for Permanent Positions

At a meeting of the Governing Board of the Senior Class held last Wednesday afternoon the following men were elected as the permanent officers of the class: Kenneth Reid, Alumni Council representative; R. W. Van Kirk, president; D. M. McFarland, secretary; J. C. Howe, assistant secretary.

In former years, the permanent officers of the classes were elected by the class as a whole, each member being sent a ballot upon which to mark his choice. On account of the number of Seniors who have left the Institute this year to enter the service, however, it was deemed advisable by the Governing Board to depart from this custom.

The members of the Governing Board are: R. W. Van Kirk, president; E. P. Collins, vice-president; D. M. McFarland, secretary; S. W. Fether, treasurer; Kenneth Reid, P. M. Dinkins, Institute Committee; T. P. Kelly, G. H. Porter, executive committee.

T. C. A. APPOINTS MEN TO VARIOUS POSITIONS

The T. C. A. has appointed Norris G. Abbot, Jr., '20, chairman of the religious education department. This part of the organization includes the freshman and upperclass discussion groups, the T. C. A. talks and church cooperation.

Gerald Tattersfield, '20, is chairman of the community service work. This covers the entertainments, the collection of clothes, boys' work and deputations.

John R. Potite and P. W. Carr, '18, have been chosen as delegates to represent the T. C. A. at the conference of the Intercollegiate Religious Societies, which is to be held at the Newburyport Y. M. C. A., March 15 and 16.

FACULTY NOTICE

An informal and voluntary continuation of the first term's course in Contemporary Drama has been started and will meet Monday mornings at 11:00 o'clock in room 2-245. All students are welcome, regularly or sporadically, without further formality.

Robert E. Rogers.

FOUND

A fountain pen which was borrowed from a student during the past registration has been turned in to THE TECH. It may be obtained by the owner upon identification.

AERO CLUB HOLDS LIVELY MEETING

Lieut. Dost Tells of Swiss Army
Life—Prominent Members of
the S. A. E. Invited to Address
Club

PLAN CLUB DANCE

Lieutenant Dost of the army engineer school at the Institute, and formerly in the Swiss army, was the principal speaker at a meeting of the Aero Club held in the Caf last week. The speaker first told of the methods of training employed by the Swiss army in creating a first class soldier out of a green recruit, and showed the uniqueness of these methods as compared with those of other nations. Each man owns his own rifle after a period of service, and if he is a member of the cavalry he owns his own horse receiving pay from the government in return for its use. Lieut. Dost described in a very vivid manner the system of drills in vogue and how the work on the shooting ranges is supervised. Although a system of compulsory military training is enforced throughout Switzerland; students are given special exemption from drilling while pursuing their studies. In concluding his speech the speaker gave an effective resume of Switzerland's connection with the war and particularly her relations with the belligerents. Lieut. Dost is a member of the Society of Automotive Engineers and was formerly chief designer for the Aero Marine Corporation of New York.

At a business meeting immediately following the speech it was voted to make close connections with the S. A. E., which is considering the feasibility of establishing a branch in Boston. There is a section in New York and there has lately been an agitation started to have one established here. As a means of promoting such an action it was decided to invite Mr. Plimpton, the field secretary of S. A. E. and Mr. Frank Russell, vice-president of the Burgess-Curtis Aero Company at Marblehead to come and address the Aero Club on the possibilities of establishing a section of the S. A. E. here in Boston. In the event that one is established the Aero Club will become associated with it. The S. A. E. Society of Automotive Engineers was formerly called the Society of Automobile Engineers but since the advent of the aeroplane and other forms of vehicles propelled by automotive power it has been changed to the name now commonly applied to it.

A copy of the revised constitution of the Club was also read and was voted to be accepted. Although there yet remains a few corrections of technicalities to be made. By far the most important transaction of the evening was the election to honorary membership of Mr. Howard Carlton, chairman of the Aircraft Production Board; Lieutenant J. C. Hunsaker '12, formerly connected with the Institute as instructor in aviation; and Col. Theodore Roosevelt. The vote was unanimous that these men above mentioned should be honorary members.

The officers of the Aero Club announced that any member of the Club who is desirous of becoming affiliated with the S. A. E. should hand in their name at once that the officers may recommend the applicants for membership. It is not absolutely necessary for the men to do this but it is considered advisable for it makes admission much easier when recommended by the Club.

At present, plans are well under way for a dance to be given by the Club in the Walker Memorial in about three weeks. It is intended to limit the number of students in the government schools who will be permitted to attend. More definite plans will be announced later, however, and the officers are hopeful that arrangements can be made to accommodate as many of the students in the government schools as possible.

NOTICE

Beginning with the next issue, Wednesday, March 13, THE TECH will appear regularly on Wednesday and Saturday.

CONVOCATION CALLED TO HEAR ARCHBISHOP OF YORK ON TUESDAY

English Primate Is in This Country on Mission of
Friendliness to American People at Request
of Ambassador Page

WILL SPEAK IN 10-250 AT 4.00 O'CLOCK

The Right Honorable and Most Reverend Cosmo Gordon Lang, D. D., Archbishop of York, Primate of England, and Metropolitan, who has come to the United States at the express desire of Ambassador Page on a mission of friendship to the American people, will be the speaker at a convocation of the students and faculty of the Institute, called by President MacLaurin for Tuesday, March 12, at 4.00 o'clock in room 10-250.

TECH SHOW CAST NOT YET DEFINITELY DECIDED UPON

All Show Notices will be Posted on
Bulletin Board in Lobby

The cast rehearsal which was to have been held last Tuesday night in the Caf, was postponed owing to the inability of Coach Duncan to attend at the last minute. This meeting was important as the second cut was to have been made and announcements will be posted in a few days definitely setting the chorus rehearsal was held as originally announced and Coach Howard was well pleased with the showing and the general progress and improvement of the players. Several more violinists are needed and all men who are capable of playing the violin are urged to come out by Musical Director Howard.

Hereafter all notices concerning either the cast, chorus, or the orchestra will be placed on the Bursar's bulletin board and all men will be held responsible for such notices, so the management urges everyone connected with the show to take care and watch for notices on this board. The chorus will rehearse next Tuesday in the Caf at 5 o'clock. A week from next Thursday and every Thursday thereafter the management will meet at 8 o'clock. This will include the freshmen assistants.

DORMITORY DANCE

To Be Held in Walker Memorial
Saturday Evening

On Saturday evening the second Dormitory Dance will be held in Walker Memorial. It will begin at 7.45 o'clock and is to be an informal affair. A good time is promised all by the committee in charge who have planned many features for the dance. Special emphasis has been placed by the committee upon one novelty dance, the details of which have not yet been divulged.

All available tickets have already been sold which limits the number of couples to one hundred and fifty, and absolutely no tickets will be sold at the door. To those men who have paid the dormitory tax, brown tickets have been distributed, and no man who does not live in the dormitory will be admitted if he presents a brown card. This will be strictly adhered to by the committee. "Fish's and Dick's" Famous Jazz Band has been secured for the evening, and this insures excellent music.

Refreshments will be served free. Dance orders are now available and may be obtained from any member of the committee which consists of P. Swasey '19, chairman; H. J. Daube '19, R. Gilbert, M. Whitaker '20 and W. Barron '20.

The patronesses are Mrs. Richard C. MacLaurin, Mrs. Earl Millard, Mrs. Robert E. Rogers and Mrs. Frank Aydelotte.

The Archbishop of York occupies a position in the Church of England second only to that of the Archbishop of Canterbury, and is also a member of the House of Lords. The present Archbishop is the eighty-ninth in succession, since the archiepiscopal see of York was created about the year 604. He is the son of a Scotch Presbyterian clergyman who was Moderator of the Presbyterian Assembly of Scotland, the highest office in that church. Archbishop Lang received his education at the Universities of Glasgow and Oxford, at the last named of which he became a member of the Anglican Church. He served as a curate in the slums of Leeds, as vicar of the University Church of St. Mary, and as priest-in-charge of the parish of Portsea, Portsmouth. Then he was consecrated Bishop Suffragan of Stepney, and in 1907 he was elevated to the Archbishopric of York. He is recognized as both a preacher and a statesman of extraordinary abilities.

For the last three and a half years, Archbishop Lang has been particularly active in many kinds of war work. He has often taken the position that clergymen should not claim exemption from war duties, but should fight in the ranks the same as other men do.

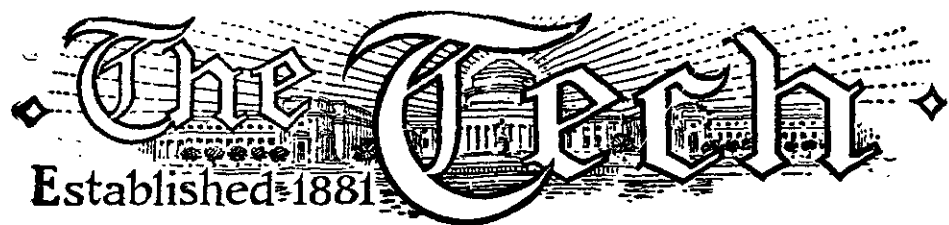
The Archbishop will probably arrive in Boston on the evening of March 9, and will preach in Sanders Theatre, Harvard University, on Sunday morning, Trinity Church in the afternoon, and St. Paul's Cathedral in the evening. On Monday evening, he will speak at a mass meeting presided over by Governor McCall, and on Tuesday evening, at another mass meeting in Faneuil Hall presided over by Mayor Peters. After leaving Boston, the Archbishop will speak at Yale University, and will visit Cleveland, Chicago, St. Louis, Cincinnati, Philadelphia, Baltimore and Pittsburgh. He will spend Easter Day in Washington, and from there will go to Canada, returning to New York in time to be the guest of the House of Bishops of the American Episcopal Church at its meeting on the 10th of April.

Archbishop Lang is the first Archbishop of York and the second English Archbishop to visit the United States.

TRAINED MEN REQUIRED FOR ORDNANCE DEPARTMENT

THE TECH is in receipt of a communication from Allen W. Jackson '97, representing the Civilian Personnel Division of the Ordnance Department, U. S. Army, in which he states that the Government urgently needs technically trained men for the Ordnance Department. Much difficulty has been experienced in obtaining technicians to fill the many attractive positions which the Department offers and graduates of technical institutions are especially needed. Men who have worked in shops also have an excellent opportunity.

Men of draft age who have not been called are eligible for positions in the Ordnance Department, and according to Mr. Jackson, they should apply at once if they have the necessary qualifications. Information concerning the work can be obtained from the Ordnance Department, U. S. Army, Civilian Personnel Division, 45 Bromfield Street, Boston, Mass.



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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.

IN CHARGE THIS ISSUE

K. Roman '20.....Night Editor
G. Russell Steininger '21.....Assistant Night Editor

FRIDAY, MARCH 8, 1918

IS DEMOCRACY A FAILURE?

THE spirit shown by the American troops under fire has sent a thrill of pride and joy throughout the country. Yet this determination, grit, and courage is nothing more than we have expected our boys to show; it is no more than American soldiers have always had the reputation of exhibiting. Why are we always confident that our fighting men will prove to be of sterling qualities?

Recently Professor Ralph Adams Cram of the Institute published a book, "The Menace of Mediocrity," in which he intimates that the goal toward which the Allies have set their faces was hopeless from the beginning. He is of the opinion that democracy is a failure; that it is a "menace" rather than a "blessing."

Professor Cram backs his opinions by a summation of the German successes and the Allied losses. Doubtless, he has in mind the great contrast between the attacks of the Germans, and the resistance of the Russians. But can the Russian soldiers be considered as men imbued with the true spirit of democracy? Better to contrast the German troops with the French and American forces. These soldiers come from old republics; republics in which the spirit of liberty and equality thoroughly permeates the people. It is for this reason that we are confident that our men will fight unflinchingly for their ideals. Can the apparent courage of the German gunners chained to their guns and fighting for their lives, be considered on a par with the courage shown by our boys in the trenches?

Professor Cram further suggests that democracies are becoming inefficient and are in a state of progressive degeneration because great men are so seldom produced in countries governed by popular voice. It is true that so little power comparatively speaking, is vested in any one man in a democracy and hence no powerful, and highly influential personalities are developed. Is democracy to be measured, however, by the number of great men it can produce, or is it to be judged by the degree of independence and individuality reached by its citizens? Certainly, the present dissatisfaction of the Germans of the middle class does not bespeak success for imperialism.

Considered from the standpoint of the spirit of its soldiers, and measured by the comfort of its common people, democracy is not a failure.

A SCIENTIFIC RESEARCH SCHOOL.

DR. ARTHUR GORDON WEBSTER, a Harvard graduate, now a member of the faculty of Clark University, regrets that the Harvard graduate school for engineering was merged with Technology, giving as his chief reason that the character hoped for in the graduate school was lost by this move. He further states his belief that men of the type of Lord Kelvin, and Barrie de St. Venant are sadly lacking in this country, and suggests that a research school of the highest quality be established at Harvard with the funds left by Gordon McKay. A school that will accommodate a dozen or so students is to his mind to be preferred to a larger institution.

Dr. Webster says Technology is chiefly an undergraduate school; and the laboratories here, while good as far as they go, do not go nearly far enough.

If such a school as Dr. Webster suggests is to be founded, would it not be far wiser to establish it at Technology, where engineering and science is looking more and more for its following, than at Harvard, where already a graduate school of science has failed?

Furthermore, the facilities are such at the Institute that a research department of highest quality might be established at far less expense and with far greater efficiency of operation than at a University where much less attention is paid to engineering.

Is it not more advantageous to science and to the country to urge the authorities to continue their endeavor to find a way to use the McKay millions for establishing a research school at Technology?



The Question Box has been inaugurated for SERVICE. So many questions have arisen, and so many doubts have been expressed among both the student body and the Alumni about the relations of Technology and Technologists to the war, that the WAR TIME TECH has deemed it advisable to establish a medium for clearing up these difficulties. It is strongly desired that neither the Alumni nor the undergraduates will hesitate to send in any questions that concern them directly or any that they think will be of benefit to Technology in common.

Address all inquiries to The Question Box Editor, The Tech. The name of the questioner will be withheld from publication, but each letter must be signed.

The Question Box is for YOU personally. Be sure you use it!

Question Box Editor,
The Tech.

Dear Sir:

Is it true that Technology and Harvard are considering the feasibility of having a dual meet in boxing and what action has been taken by the Institute to have a boxing team represent it, in the event it is decided to hold such a meet?

Sincerely yours,

E. G. D.

Yes, they are considering such a meet. Boxing is a new sport at the Institute this year, but by allowing the freshmen to substitute it for the required physical training, a great many of the first-year men have been induced to come out. Mr. Bontilier has been secured as coach and in the course of a few months has developed some excellent material which would serve well as the nucleus for a winning team. It is almost a certainty, judging from the interest shown by the students, upper-classmen as well as freshmen, that in the future boxing will become an established sport here and that a team will be formed to represent the Institute in meets with other colleges.



IOWA—An interesting investigation at the University of Iowa shows that thirty-eight per cent of the present freshman class are self-supporting, that thirty-five per cent. are partially self-supporting, thus leaving but twenty-seven per cent. dependent entirely upon their parents for support.

GRINELL—It is probable that a quadrangular track meet, the first of its kind in the state, will be held at Ames some time this month, in which the and Drake, will be the competing colleges. The arrangements are at present being made by the athletic directors of the interested schools.

DARTMOUTH—Nineteen games comprise the Dartmouth baseball schedule for this spring. Tufts, Brown and Amherst are the leading rivals for honors. It is possible that the schedule will have to be cut if the faculty decide favorably on the pending question as to whether or not college shall be closed earlier in the spring than originally planned.

COLUMBIA—Classes which were recently announced as being cancelled on Mondays in conformity with the fuel Administrator's ruling will be held as usual. The action of the university authorities in announcing the closing was purely voluntary, educational institutions not being with Mr. Garfield's classification, and that the crisis has apparently been passed in New York City it is thought that the re-opening is justified.

TEXAS—The first call for varsity track aspirants brought out only twelve men Saturday. Coach Juneau was greatly disappointed with the meagre show of interest and is considering ways and means of rousing the student body.

CORNELL—Sixty-three prominent agriculturists will co-operate with the faculty in conducting the Farmers' Week program which commences February 11. The program deals almost entirely with

MISSOURI—Only sixteen foreign students are attending the University of Missouri this year, whereas formerly the number has been considerably greater. Ten nations are represented by this small group, however. As usual, the war is given as the reason for the decreased registration.

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"MAT" BRUSH SPEAKS

(Continued from page 1)

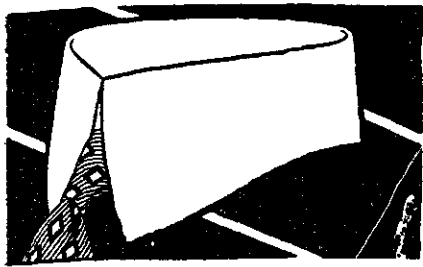
pressor down from the top of an engine to "Mat," who held them just long enough to drop them in the easiest manner and place, but there was one particular cap which must be gently set down. Although he had no gloves on his hands, the young man held on to the hot metal, severely burning himself, until he could set it down gently. His case was investigated by a head of the company and the incident led directly to his advancement.

Although these factors are the most important in engineering success, technique is something not at all to be disregarded even in a position of chiefly business work. This fact is well brought out by an experience of President Brush in his former capacity as vice-president of the Boston Elevated Railway Company, in which his mechanical ability stood him in good stead. He was inspecting the Auburndale power station when a chief machinist questioned him concerning the good qualities of a particular bolt and lock nut. Instead

of disdaining from manual labor, in his high position, President Brush swung a hammer against the bolt in such a business-like manner that the workmen were immediately convinced that they had to deal with a man who knew what he was about.

From the position of vice-president, Mr. Brush soon arose to his capacity of president of the most complicated street railway system in the country. Because of its geographical, social, and public service situation, the system can be but a slightly successful enterprise financially. The enormous expenses entailed by repairs, salaries, and obligations have so far exceeded the profits that the condition of the road at the present time is a very serious one. But in the face of all this, spending often the greater part of the day and night in his office, President Brush has managed the situation and only so by calling into use all the things which opportunity, perseverance, and concentration have taught him. "Let these factors influence and lead you and success will be attained" were the words of advice meted out by the speaker to all.

Before the talk an election was held for the electoral committee of the society, the following men being chosen: A. Russel '18, Banks '19, Loucks '19, Kennison '18, and Mackey '18.



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WHAT WILL BE THE EFFECT OF THE WAR ON THE CURRICULUM OF OUR COLLEGES?

**Reports Show That Engineering Subjects Are
Becoming More and More Popular at Expense
of Literary Studies**

The effect that the war will have upon the curriculum of our colleges is a thing that is causing much speculation by college professors and others interested in college affairs. There is already a marked tendency to cut out all of the so-called "useless" subjects, but this is a work that cannot be done on the spur of the moment. The course that might be perfectly "useless" to one student might be very "useful" to another. There is one predominating fact, though, and that is that scientific courses are receiving more and more consideration not only from the faculty but also from the students, while the studies in fine arts and similar subjects are slipping into the background.

This fact is strongly brought out in the following editorial which appeared in a recent issue of the Harvard Illustrated and in which an attempt is made to explain the exceptionally low marks of students which have been reported by a number of the leading academic colleges.

"The Illustrated has heard many explanations why twice as many Harvard men as usual are reported 'officially' below in their studies. The Illustrated thinks that the mere theory of unrest is not the real reason, but that there is another and more potent one. In the great number of men 'below' in their studies, one does not find men 'low' in their military science, or in French, or in chemistry. Briefly, men are not 'low' in those studies which are clearly useful. The Illustrated cannot get access to the college records, but it ventures to say, and thinks that facts will substantiate the statement, that all useful courses are in fairly good shape as regards marks, that all useless courses are those in which men are low. There are exceptions, of course. One man, prominent in college, got an A in military science, and D's in everything else. Another man who got a B in military science and good marks in his chemistry courses, fell down 'miserably' in his fine arts. He explained to a lot of us, 'What's the use of this stuff now?' The same remark has been made time and again. The Harvard students are working harder than they have ever worked, but they are working on different subjects, and only on the useful subjects. The Illustrated has long felt that much of a college education was a luxury and as far as practical affairs, it was dross. That view only held by a minority last year is now held by the majority. Men tell with great happiness that they are to learn how to do practical things, build bridges, etc. Any article that says Harvard men are not working tells a deliberate untruth; there is more work done than ever, but on different, and on useful subjects."

Another thing which substantiates the statement that engineering courses are becoming more and more popular is the fact that, while the marks of students attending academic colleges are lower than usual, Institute students are showing a comparative marked improvement in their work. This is true especially of the men in the two upper classes, there being from twenty-five to forty per cent fewer "notes" sent to men in these classes this mid-year than were sent at mid-years of either of the two preceding years.

While, of course, this decrease is due to some extent to the fact that these classes are smaller now than formerly, nevertheless, this is nearly entirely offset by the fact that the work has been made more intensive and the grading has been more strict.

The real reason for the favorable showing made by the upper classes this year seems to be that these men, realizing the value of the engineer in the war and being able to see just what relation their present work will have with their future work in the service of their government, have freed themselves of the unrest which has afflicted most college men and, consequently, have "buckled down to do their damndest."

While the scholastic standing of the two lower classes at the Institute is not quite up to standard this year, this

is not unexpected, as the men in these classes, unlike the upperclassmen, are not able to see just how their present work will be of use to them when they get into the service and then, since their graduation is so much more distant, they do not feel as sure that they will ever be able to complete their course.

Just how much value some academic graduates in the service place upon the knowledge which they gained while at college is clearly brought out in an article under the head, "Notes of a 'Buck' Private," which appeared in a recent issue of the Harvard Alumni Bulletin. Two excerpts from this article follow:

"Let it be said at the start that the merit or demerit of life in the service, and particularly of life in the ranks, should not in any way influence able young men. Their duty is very clear; they must help, in some way or other, win the war. Also, this article is a personal discussion, a consideration of contrasts that have been part of my own life. Many images come to mind: environment is so strong that a clear point of view is hard to attain. But I shall be as short as possible.

"Until last winter I was, I suppose, what most of the world calls a rich young man. That is to say, I had enough money to avoid worry about the ordinary luxuries of life. A great many doors of society were open to me by reason of long-formed family associations. I went to a very fashionable boarding-school, and afterwards to a large university. I remember, and wonder, sometimes, if they ever really happened, dinners I have had in the ponderous edifices along Bellevue Avenue, in Newport, where bumble-bee waisted flunkies bore aloft heavy silver—sometimes gold—dishes. I remember parties in New York, Boston, Philadelphia. It was pleasant to start out each evening about seven, top-hatted, with a stick. In college, and in two or three cities, I acted the part of a young clubman, a 'man about town.' Luxuries are so agreeable.

"Yet my chief interests were aesthetic ones, and my college days, aside from the friendships of them, were valued accordingly. I studied hard enough to keep a keen interest in these things, and what I didn't know, I 'bluffed.' Society is gullible. I talked about Zuloaga twice before I saw his paintings. With beautiful fluency and complete ignorance I discussed the 'Agamemnon' of Aeschylus, the 'Poenissae' of Euripides, hydraulic machinery, the Shinto religion, St. Paul, the Russian government. It made no difference; I knew a little, I bluffed superbly, and I revelled in the joy of 'holding' dinner tables. So you see how it was—everything to look forward to, little to regret. Life was good; friends were many.

"When the war came I was considering literature as a profession. I tried for a commission immediately, but unfortunately missed it. Influence didn't work. So now I'm a 'buck' private.

"I sleep in a tent, stand in line in any weather for 'chow.' I dress, because my work demands it, most of the time in overalls, and I do what I'm told. I have emptied garbage cans and cuspidors, chopped wood, shovelled coal, dug holes, done clerical work and carpentering work. I have been yelled at by irate 'non coms' for being a fool.

"They were quite right. A fool is one who is ignorant, you see. I can tell you things about the meals at Agathon's house, when Socrates died, and drank from the wine cooler, but I had no idea until quite recently how to do a great many of the jobs I've mentioned. I remember reading, by the way, F. W. Taylor's 'Principles of Scientific Management.' It tells you, among other things, how to shovel with a minimum of effort and for a maximum of results. But when you are one of three men who are getting coal out of a freight-car that must be moved in two hours and a half, you forget what he said or wonder if he ever shovelled. Of course, I drilled awkwardly too. They were quite right—I was a fool."

"... Tell the boys in school to work as they never worked before, to study chemistry, get all the military training they can, and to keep their bodies in good condition. If I had my college course to take over again, I'd take more chemistry, mathematics, and less English and philosophy. This is no time for dreamers, it is the age of doers. And while this dope about it not mattering what you take in college as long as you train your mind is all right, it's

the man who knows as well as the man who has the capacity to learn, who gets ahead in the army, and every healthy young man today in college and out should and must look forward to a career in the fighting forces of the country.

"The man who has the capacity to learn gets his chance sooner or later, but the man who says, I am an expert in chemistry, or something equally valuable, is snapped up right away. What did I know when I came here? Tolstoi and Thomas Hardy, Browning and Kipling. As a result it was two months before I even got a chance to show."

HELP!

In order to keep its military file of Technology Men in Service up-to-date, The Tech earnestly requests its readers to send in more complete information concerning the men whose names are printed in this column.

The Tech is co-operating with the M. I. T. War Service Auxiliary and the Alumni Association in keeping the Honor Roll, and all data regarding men in Service will be communicated to the two latter organizations.

It is important that YOU keep in touch with us, Mr. Technologist. Address all information of this character to the

Military Editor, THE TECH
Charles River Road
Cambridge, Mass.

MacALISTER, ALEXANDER G., Jr., '18, 3rd O. T. C., Camp Upton.

McFARLAND, ARTHUR W. '19, Gas Def., San. Cps., or Co. M, 302nd Inf.

McFARLIN, CHARLES K. '14, was with U. S. Nav. Avia. Det. at M. I. T. MacLEOD, NORMAN, D. '14, Capt., Adj., 103 Regt., 6th F. A., A. E. F.

McNARY, H. L. '18, in Military Service.

MEANS, ROBERT S. '19, Co. T. Bat. A, P. O. C. B., 301st F. A.

MOORE, L. E. '02, Capt., 301st Engrs. Staff, care of D. G. T., A. E. F.

MORRISON, A. F. '12, Lt., Ord. Dept., temporarily at Wash.

O'BRIEN, JAMES S. '17, School of Military Aeronautics.

OSBORN, STANLEY H. '15, 1st Lt., Med. Sec., O. R. C.

PARKS, GEORGE U. '19, Pvt., Amer. Air Serv., Paris.

PIGEON, F. B. '11, 2nd Bn., F. A., Plattsburg.

POLLEY, EDGARTON G. '18, 2nd Lt., Ft. Leavenworth.

POND, THOMAS C. '15, 1st Lt., 1st Btry., R. O. T. C., Fort Meyer.

PRATT, HAROLD G. '19, was with U. S. Nav. Avia. Det., M. I. T.

PRAY, IRVING R. '11, Pvt., Co. B, 1st U. S. Pioneers.

PROUTY, T. R. '12, 2nd Lt., 301st Inf., Camp Devens.

REED, JAMES D., Jr., Nav. Constr., Navy Dept., Wash.

RHODES, W. S. '95 or '97, 1st Lt., Amer. Univ.

ROCKFORD, J. L. '99, 2nd Bn., F. A., Plattsburg.

ROGERS, CARL, 5th Additional Co., Depot Brig., Camp Devens.

ROSENTHAL, CHARLES H. '15, Pvt., Inf., or Ord., Camp Sherman.

SHERMAN, FORREST P. '17, U. S. N. SHIPPEY, WEBSTER '17, Candidate, C. A. C., Ft. Leavenworth.

SHIRER, HAMPTON F. '18, Amb. Cps. STETLER, M. M. '18, applied for Avia. Serv., U. S. R.

STEWART, U. S. '15, Mach. Gun School, Springfield Armory.

STONE, NELSON '15, O. T. C., Fort Niagara, New York.

SULLIVAN, W. H., Lt., jr. gr., Asst. Nav. Constr., Portsmouth Navy Yard.

TOWNE, LOCKWOOD J. '09, in Military Service.

TRAVIS, L. L. '02, 2nd Lt., 8th Engrs., Ft. Leavenworth.

TRAVIS, L. L. '15, Pvt., O. D., 163rd Depot Brig.

WALSH, J. H. '07, Lt., Asst. Nav. Constr., Wash.

WARREN, WILLIAM H. '14, 1st Lt., Sig. Cps.

WELLS, S., Lt., jr. gr., Asst. Nav. Constr., Wash.

WIGGLOW, EDMUND C. S. '20, was in Amer. Amb. Serv.

BOND, NELSON A. '18, O. T. C. BURRAGE, SEVERANCE '92, Maj.

CHRISTIE, JOHN '09, Reported drafted.

CLARK, ROBERT C. '96, 2nd Lt., Cav., N. A.

CLIFFORD, WALTER, was with Nav. Avia. Det. at M. I. T. as Instr.

CONNERS, NORMAN D. '19, O. T. C., Camp Upton.

COPELAND, WILLIAM '93, Pvt. or Corp., Pa. N. G.

COWLES, W. C., Jr., '18, U. S. N. R. DENBOW, D. F., 1st Lt., O. R. C.

DRAKE, ALLEN F. '18, Inf., Camp Devens.

FOOTE, CHARLES, Ground School, Avia. Cps., Ohio State College.

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