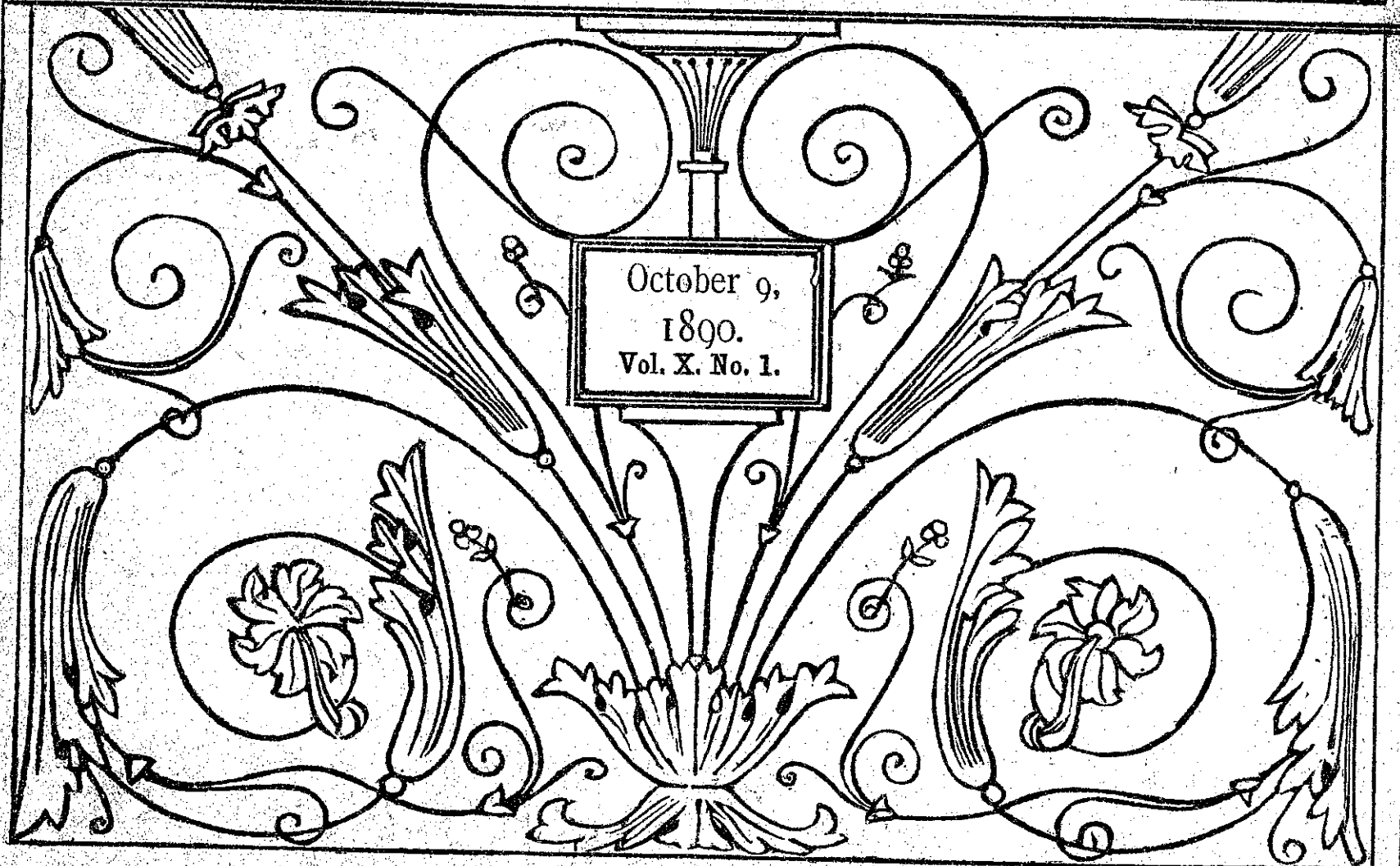


October 9,
1890.
Vol. X. No. 1.

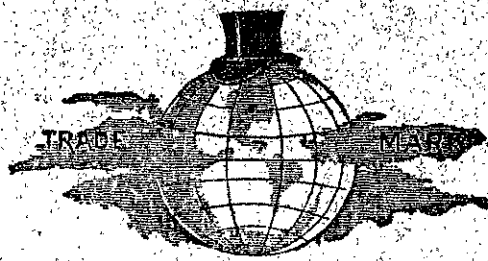


HATTERS,

English and American

SILK DRESS HATS,
OPERA CRUSH HATS,
FELT and CLOTH HATS

In Choice Shades.



FURRIERS.

LEATHER HAT CASES,
CANES, UMBRELLAS,
and WALKING STICKS

Variety Unsurpassed

For STUDENTS' WEAR.

Agents for Heath's, White's, and Lincoln, Bennett & Co.'s ENGLISH HATS.

MACKINTOSH COATS IN LARGE VARIETY.

COLLINS & FAIRBANKS,

No. 381 Washington Street, Opposite Franklin, Boston.

C. F. HOVEY & CO.,

DEALERS IN

Gentlemen's Furnishing Goods,

33 SUMMER STREET, BOSTON.

THOMSON-HOUSTON ELECTRIC CO.

MANUFACTURERS OF

Electric Lighting Apparatus and Motors,

620 ATLANTIC AVENUE,

BOSTON, - - - MASS.

CHAS A. SMITH & CO.,

Merchant Tailors,

18 and 20 School St., - - - Boston, Mass.

Our Special Importations for the coming season have been received, and are ready for inspection. Early orders solicited.

Gentlemen will find our stock larger and more complete than ever, and no efforts will be spared to give entire satisfaction.

The Tech.

VOL. X.

BOSTON, OCTOBER 9, 1890.

NO. 1.

THE TECH.

Published on alternate Thursdays, during the school year, by the students of the Massachusetts Institute of Technology.

BOARD OF EDITORS.

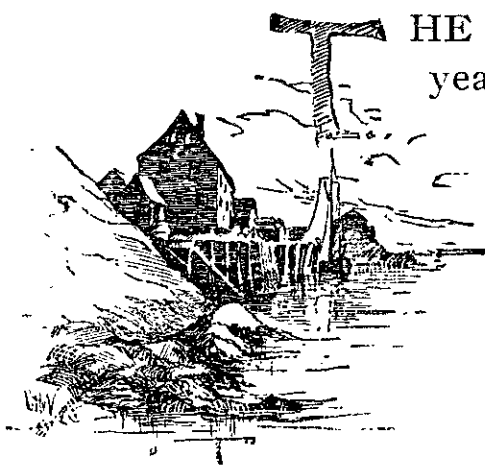
THEODORE SPENCER, '91, *Editor-in-Chief*.
HERBERT EMERSON HATHAWAY, '91.
ALLEN FRENCH, '92.
HENRY NYE WILLIAMS, '92.
ALBERT FARWELL BEMIS, '93.

ALLEN FRENCH, *Secretary*.

HENRY NYE WILLIAMS, *Business Manager*.

Subscription, \$2.00 per year, in advance. Single copies, 15 cts. each.

FRANK WOOD, PRINTER, 352 WASHINGTON STREET, BOSTON.



THE beginning of the year is a time of handshaking. In the spirit of the season THE TECH welcomes back its old friends, and extends its congratulations to those whose acquaintance it is making for the first time. So many familiar faces among the host of new ones that pass and repass each day in old Rogers, make it hard to realize that there has been any change; that in the past four months most of us have made a year's advance, and that a few, also, have vanished from the scene, while our numbers have been made more than good by accessions from without. The field of the Institute is open for a record, and '94 is in the place to make it.

Our hearty wishes for the best success of everyone, from Senior to Freshman, who is working in school or out, in every line whether of sport or study, in which the Institute is represented. We hope in the future, as in the past, to find that THE TECH has done its part in the advancing of the Institute.

A QUESTION which we wish to bring at once to the consideration of the students, is whether the three-day recess of Thanksgiving week should not be transferred to Christmas. There is a general desire for a short respite from study during the Holidays, but the work of the term has been so arranged that it is impossible to give up any time for vacation without encroaching upon that assigned for study. In refusing the petition presented last year for three days' vacation at Christmas, a number of the Faculty expressed themselves as in favor of a plan by which the Thanksgiving day only should be taken as a holiday, while the two days thus gained would be given to the students at Christmas-time, provided that such an arrangement could be shown to meet the wishes of the great majority of the students. The time for action in the matter was then past, and although the plan was discussed among the undergraduates and indorsed by a great majority of them, no steps were taken toward its accomplishment.

If, as was understood, the question is to be decided this fall, no time should be lost in obtaining an expression of the students' wishes, by which, there is good authority for saying, the Faculty will be largely guided. The plan to divide the school year at Christmas-time was pronounced inexpedient, on account of interference with the laying out of the year's work, but no such objection has been advanced against the present proposition. As to appropriateness of time, the argument is in favor of the change, for the day after Thanksgiving is not noted for general observance,—except, perhaps, by a touch of indigestion,—while the last week of the year is a time when everyone keeps holiday. We have not heard any objection to the plan except that it will extend the period of uninterrupted work some four weeks

longer from the beginning of the term; but as the first part of the year is the time when the work goes easiest, the objection would not seem to hold. If there are as many in favor of the plan as there were last year, a petition for the desired arrangement should be circulated among the classes and presented to the Faculty without delay.

THE football team is now fairly started on what every one hopes will be a completely successful season. Our prospects are certainly better than they have been for some time; the rush-line is heavier than last year's, and the individual playing is better, while candidates for all positions are plentiful. The great trouble is lack of team work,—a fault that is almost unavoidable with our present facilities for practice. The Institute team will be better than before, but our competitors will send out unusually strong teams as well. This will make the championship games more than ordinarily interesting, and will offer another inducement to make every Tech. man who can, turn out to witness them. As we have said, our chances are good, but it is only by having each man give his aid in cheers and subscriptions, or by playing, that we can hope to win a companion to the championship banner that was won three years ago.

NOW that the term's work has fairly begun, and the Freshmen have learned the elementary principles of oxydation, it is about time that they should begin the usual series of class meetings. In former years efforts have been made to interrupt these gatherings, and once or twice considerable noise has been made, all of which has not reflected credit on the good sense of the Sophomore class. Now all such attempts as these show the presence of a spirit of childishness, that is certainly out

of place in a class that is presumably composed of men. The annual football game, and the other contests between the two lower classes, afford ample opportunity for the exhibition of proper class rivalry; all efforts to merely raise a row in one of the Institute buildings cannot be too severely condemned.

TO any one who is interested in track or field athletics, the subject of our records in many events is a thing to be avoided. Really, however, they are not so poor as they appear to be at first sight, for the conditions under which they were made must be considered. The records in the runs have all been made by men who were imperfectly trained, and who were obliged to run on a poor track, under very unfavorable circumstances. The Athletic Club has held only five outdoor meetings, and all except the last were impromptu affairs, for which there was no pretence of training. On the other hand, at other colleges, when a man wishes to try for a record in some event, he is given a special meeting, where every effort is made to aid him in his attempt. Then, too, records made at other than college games are allowed to stand, provided that no objection be made within a limited time.

Now, this last provision might well be adopted by the M. I. T. A. C., and in time it would work a decided change in our list of records. Already several of the members of the Athletic Club have made faster time in outside games than any one has succeeded in making in the spring games. In the future such occurrences will probably be more frequent. It is only by making one or both of the changes suggested that our record list can be improved to any great extent, as it is impossible to expect a man to make more than a fairly creditable performance under the various disadvantages that attend an out-door meeting at Readville.

NOW that the football season is upon us once more, and our prospects for the championship are more favorable than ever, it is to be hoped that all men who can play football will appear on the practice grounds as soon as possible, and give the captain a chance to judge their work. The grounds, although not as convenient, are much better than those used last year, and this adds to our chances of success. On the other hand, the admission of Bowdoin to the league, by placing another strong team in the field against us, will make the championship more difficult to win than before. Every man here will have to do his part. Tech. has always had a good record at the game, and will make a hard struggle for the pennant this year; but without support of the students by subscriptions and attendance at the games the chances are that first place will not fall to us.

IN past years when some one wished to write an editorial, and could think of nothing original, he chose one of the three subjects that were always kept on hand; they were, the hour of the lecture in second-year physics, the lack of an Institute song, and the old clock in the Rogers building. The progress of time takes from us many old friends, and this year the first of these cherished and much discussed topics is taken away by a simple change in the tabular view. The present second-year class will be wholly unable to appreciate the many and time-worn "physics jokes" that have delighted former generations of Sophomores. The editors of "Technique" are now making new exertions to obtain an institute song; if they are successful only one of the ancient trio of favorites will be left, but that one will, reasoning from present appearances, be left forever. The old clock in Rogers has survived the cleaning and painting of the summer, and still, with smiling face and extended hands, welcomes the Freshman who mainly seeks to discover whether or not it is time for his next recitation.

COMMUNICATIONS.

The Editors do not hold themselves responsible for opinions expressed by correspondents.

TO THE EDITOR OF THE TECH:—

THE Institute has existed for more than twenty years, and has been improved and enlarged until it has become the foremost technical school of the country, and it now contains about one thousand students.

Under the favorable conditions presented, college spirit and class spirit have expanded to very creditable proportions. The hearty support given to the Institute Dinners at the end of each of the past two years shows that this is true.

Another healthy development in the same direction would be the adoption of an Institute Song. Many of the students are musical, and nearly all of them are fond of music, and there is a growing feeling that we should have a song which we can call our own. There seems no sufficient reason why the students themselves cannot produce both the words and the music for such a song.

Recognizing these facts, the "Technique" Board of Editors desire to make the following offer:—

They will pay twenty-five dollars (\$25) to the member of the Institute writing the words and the music which shall be accepted by a committee elected at a mass meeting of the students; and they will pay ten dollars (\$10) to the writer of the words and fifteen dollars (\$15) to the writer of the music which shall be accepted by such a representative committee.

They hereby offer the "Technique" Bulletin Board for any notices which may be officially posted in regard to this competition.

It is desired that authors pass in their work in time for the successful song to be published in '92 "Technique," which will appear before the Holidays. Any communications in regard to this offer may be directed to the Editors of "Technique," and put in their box in Rogers corridor.

THE "TECHNIQUE" BOARD OF EDITORS.

All societies that have been established at the Institute during the past year are requested to inform Mr. W. R. Kales, '92, immediately as to the space they wish in the coming "Technique."

Mechanics Run Mad.

WHEN the strange thing which I shall try to describe occurred, I was sitting alone in my room before the embers of a generous fire, watching the smoke curl lazily from my half-smoked cigarette, and wondering when Jack would get in from his little trip down town. I concluded he had stopped after the theatre for something to eat; and as in that case I knew that he would not hurry himself, I lit another cigarette to console myself for the extra waiting. I had nearly smoked it out, and was in a state of uncertainty whether to go to bed and trust to finding Jack at home in the morning, when I heard the doorlatch click, and turned round, saying to myself, "There he is at last." The door opened, but it was not Jack who opened it. A man of whom I can give no description, except that he was unusually tall and wore a full beard, entered the room. Without removing his hat, which was slouched low over his eyes, he drew a chair close to mine and seated himself.

"Are we alone?" he asked in a low voice, looking uneasily around the room.

Something in his tone, and in the appearance of his eyes, which were bloodshot and always wandering, made me think that my visitor was drunk, but his actions, though unceremonious, were quite sober.

"We are very much alone," I thought to myself, eyeing him with curiosity, and waiting for what was to come next. "What can I do for you Mr.—"

"Mr. Miles, Abner Miles," he said, supplying the introduction. "You are an educated man, Mr. Roach; a student of science, a master of the principles that govern the movements of machinery. Do not be surprised that I know your name, or the studies that you have pursued. I have inquired; I have watched you at your daily work; I have seen the light burning in your room at midnight. I have something to exhibit to you. You will be able to understand me; your perception is

developed; your observation is trained; your reasoning powers are used to exercise. I, too, am a worker in the field of science. For many years I have been devoting my energies to the application of a new principle of motive power, and my labor has at last succeeded. Ah! but we must be secure from interruption."

He rose from his seat and secured the door by turning the key in the lock, and said nervously, "Are you prepared to witness my discovery?"

"Whenever you are ready to proceed," I replied, without looking up.

"Scorn and doubt," he exclaimed; "it is the way of the world. Mistrust for the man of genius and welcome for every charlatan and humbug. My invention is to revolutionize industry, and you refuse to believe in it because it has not been taught you in a book. You are as unworthy as the rest, but you shall see; you shall acknowledge that you experts have something yet to learn. Look in what compass is embraced the keystone of a new era!" he cried, drawing a small box from his coat, and holding it extended at arms-length.

By this time I had no doubt remaining that my visitor's mind was deranged. He was pacing from one side of the room to the other, with the precious box in his hand. Suddenly he stopped, and striding up to my table, with a sweep of his arm threw a pile of books and papers to the floor, and cleared a space before him where he carefully set the box. He lifted the cover and displayed the contents. It was a steel model resembling a flat car, with a large wheel on each side which turned clear of the ground. Taking the car in one hand and the lamp in the other, he sat down on the floor without ceremony, and after arranging his machine to suit him, set it down and gave one of the large wheels a sudden turn. There was a whirring sound and several sharp clicks, and the car went across the room with considerable velocity. Going to the farther end of the room he started it again. It ran over

the floor at a higher speed, and dashed against the wall with a force that threatened to demolish it.

“What do you think now?” he asked with an air of triumph.

“It works like a charm,” I said; “but what is the motive power?”

“Wait,” he cried, with a gesture that would have done credit to McCullough; “the circle is the perfect figure of symmetry, and in a circular curve only can the highest speed be developed. He changed the position of some part of the machine as he spoke, and it immediately began to revolve in a circle of about six feet in diameter. It made the circuit slowly at first, then faster and faster, until there lay on the floor what seemed to be a ring of polished steel. I was thunderstruck, and my brain became bewildered as I watched it.

“It is wonderful,” I cried, “wonderful!”

He took up the car with ill-concealed exultation.

“I was certain you would think so,” he said; “I knew you must admit your appreciation after you had seen its performance. It can keep up that speed for hours. The same principle will hold for the construction of cars of any size, and it will be a matter of ease to run them at any desired velocity. There is the motor of the future, sir. Perfectly safe, inexpensive, and efficient. It is bound to replace steam and electricity on every railroad in the country.”

“Tell me the secret,” I exclaimed.

“I swear you to secrecy,” he whispered, putting his lips close to my ear; “it is mercury.”

“Mercury!” I cried, half springing from my chair.

“Hush,” he said in a terrified tone; “for Heaven’s sake be more cautious. Yes, mercury, quicksilver! Look here!” He unscrewed a cap at the end of one of the arms of the large wheel, and poured some quicksilver into the hollow of his hand. “These curved arms are all hollow; as the wheel revolves, the

mercury in flowing from the centre to the rim accelerates the motion with each revolution.”

Astounded as I was, a thought flashed through my mind, and I indiscreetly uttered it. “But how will you get it back to the centre again? How can you make it flow up hill?”

His face changed in an instant to a picture of rage and dismay; he seized me by the arm, and brought his face close to mine. I shrank back from the maniacal glare of his eyes, which shone like those of an infuriated animal.

“Up hill!” he shrieked; “who says it shall not run up hill. It shall run as I please. I see your wicked plan; you pretend to find a fault that does not exist, to take the benefit of my discovery to yourself. You alone possess my secret for which I have toiled for years, and while you live it is not safe. You have learned it, but what you have learned shall die with you.” He drew a revolver from his pocket, and leveled it at my head. I sprang back to the farthest corner of the room. I was powerless, and the perspiration oozed from my forehead in great drops.

He aimed the pistol without the tremor of a muscle, and his eyes glared like a demon’s. “Die!” he shouted; and his finger touched the trigger. I felt a stinging pain, and flung my hand to my forehead, to find it streaming with beer, while Jack stood before me holding the uncorked bottle, and laughing like a fiend at the effects of the shot which had aroused me from my doze before the fire.

But little he knew of Latin or Greek,
Mathematics were quite out of reach;
The sciences, too, were a stumbling-block,
He was awkward and halting in speech.

His eye had a lifeless and lustreless look,
But his muscles were solid as steel;
The envy of men, by the ladies adored,
To young and to old, the ideal.

He was wined and was dined from morning till night,
The glory and pride of the town.
On the college eleven at football he played,
The half-back who never said “down.”

—*Dartmouth.*

President Walker's Address to the Freshmen.

ON Tuesday, September 30th, the Class of '94, numbering about 325, assembled in Huntington Hall and listened to the following address by the President:—

“I am pleased to welcome you on behalf of the Faculty and Corporation of the Institute of Technology, whose cordial hope and strongest belief it is that you have come here for your benefit as well as for ours. I have not much to say, for I do not believe in giving advice in large quantities, neither do I believe in set speeches; but at the outset, I think best to tell you that you have come where the rule is hard work. We rejoice to have it known that it is so. The Institute was founded with that end in view, and when it becomes necessary to have a place where boys may play and where men need not work, we will wind up the school and let it give place to an institution for other pursuits.

“By work we do not mean overwork. Work here is taught in its sanitary as well as its economic sense. There is nothing like keeping body and mind in good condition. We take infinite pains to prepare our requirements to your strength. We are in constant communication with the alumni, and with their experience and counsel devise courses of study to meet the requirements. Your best good is our sole end, but in that we must look to other things. The main reason for the many failures in keeping up with the courses of study is that the students are not prepared for steady work. That is the key to the school. The only rule for success here is to do one day's work every day, and one week's work every week, for it is not possible to make up for lost time and delays.

“My principal message to you is concerning your habits of study. Those of many preparatory schools must be laid aside here. The work must be done when it is due, and it must not accumulate. It would not be necessary

to speak of the honesty of each student's work if at some schools there was not the disposition to regard illegitimate assistance as not essentially wrong. I am sorry that the sentiment can prevail in any school in the land. Thorough honesty is the rule here, and the highest offence against the honor of the Institute is to offer any other man's work as your own. The rule is absolute, there being only one mode of treating such offence—instant and complete removal. I speak to you as men. Deny fellowship to offenders. Begin your work here on the basis of perfect uprightness and perfect honesty.

“The Institute differs from colleges in the fact that it is a professional school only, and certain customs that seem to belong to colleges do not belong here. There should be no class animosity, and no degree of rowdiness that is apt to characterize the old-fashioned college. Do not for a moment assent to or tolerate any barbarous customs. They came down from the time when the president and professors lived on the college grounds with the pupils—who were for the most part young, or mere boys—and the intimacy of that kind was the means of bringing about the differences which are present to-day. Old notions and class distinctions never have had a place in the Institute, and they must not be allowed to obtain.

“Prepare yourselves for a university of science, for every course is a college in itself. Throw everything else aside as belonging to boys; we receive you to-day as men. Show yourselves worthy of the trust imposed in you. Allow no man to do that which reflects upon yourself, and which casts discredit upon the Institute.

“I have said this bluntly, and with no preparation; for I do not, as I said, believe in set speeches, and I ask you to take what I have said in the best spirit. We hope your coming here will be for your best good. Go to your instructors frequently. It is their duty and pleasure to hear you. It is only right for you

to talk with them, and although some may shrink from acquaintance, let a confidence exist. Therefore, I beg of you from the first do not hesitate to ask advice and help in every way, and especially do I speak of myself. Although the noise of many feet on the stone floor of the corridor does not help me to think, yet my door is open several hours of the day. I want to see you all, and I speak for the Faculty. Do not look upon us as enemies, but as friends who are here to promote your present and future interests; and in conclusion, it is my wish that your course may meet with the best of success."

What '90 Graduates are Doing.

ARTHUR H. ADAMS, II., Graduate Student, Mass. Inst. Tech.

CYRUS C. BABB, I., U. S. Geological Survey.

JOSEPH B. BAKER, VI., Electrical Engineer, with C. M. Blanchard, electrical contractor.

HIRAM E. BALDWIN, I., Inspector Pittsburg Testing Laboratory.

JOHN L. BATCHELDER, JR., VII., with Batchelder Bros., Boston.

CHARLES B. BEASOM, II., construction superintendent, Pittsburg Metallurgical Co.

MISS EMMA E. BICKFORD, VII., teacher of Science in Bryn Mawr Fitting School.

JOHN B. BLOOD, VI., with Thomson-Houston Electric Co.

EDWARD F. BRAGG, II., with Boston Woven Hose Co.

MISS L. A. BRAGG, V., instructor in Chemistry, Wellesley College.

EDWARD D. BROWN, VI., with American Bell Telephone Co.

GARY N. CALKINS, IX., assistant Biologist, Mass. State Board of Health.

CHESTER V. CARLTON, I., with N. W. Thomson-Houston Electric Co.

GEORGE D. CHAPMAN, II., instructor at Mass. Inst. Tech.

JAMES CLARK, JR., VI., with Ohio Valley Telephone Co.

WILLIAM H. COLLINS, V., with Silver Spring Bleaching and Dyeing Co.

JOHN G. CRANE, I., with Barker Asphalt Paving Co.

DARRAGH DE LANCEY, II., Mechanical Engineer, with the Eastman Co.

ALEXANDER J. DELANO, I., Engineering Department, Metropolitan Sewage Commission.

JOHN A. DE WOLF, II., assistant at Mass. Inst. Tech.

FREDERIC H. DODGE, II., secretary of Toledo White Lime Co.

FRANCIS W. DUNBAR, VI., inspector American Telephone and Telegraph Co.

EDWIN F. DWELLEY, I., civil engineer, with I. K. Harris, Lynn, Mass.

ELWOOD A. EMERY, IV., with Burnham & Root, Chicago, Ill.

WILLIAM P. FLINT, II., in the U. P. Machine Shops.

GEORGE L. GILMORE, II., with Middlesex Bleachery and Dye Works.

HARRY W. GOODWIN, VIII., assistant in Physics, Mass. Inst. Tech.

FRANK M. GREENLAW, VI., with Thomson Electric Welding Co.

GEORGE E. HALE, VIII., astronomer, Kenwood Observatory.

JOHN R. HALL, VI., with Metropolitan Telephone and Telegraph Co.

PHILIP M. HAMMETT, A.B., II., in Pennsylvania Railroad Locomotive Shops, Motive Power Department.

MISS SOPHIA G. HAYDEN, IV., teacher of Mechanical Drawing, Jamaica Plain, Mass.

SCHUYLER HAZARD, I., assistant on Engineer Corps, P. C. & St. L. Railway.

SIDNEY E. HORTON, II., with the Dwight Slate Machine Company.

FRANCIS H. KENDALL, I., assistant in Civil Engineering, Mass. Inst. Tech.

HARRY A. KENNICOTT, I., draughtsman, Burlington and Missouri River Railroad.

FRANKLIN KNIGHT, I., assistant in Civil Engineering at Mass. Inst. of Tech.

HENRY W. LEONARD, III., general manager Edison General Electric Co.

BERTRAM H. MANN, VI., with Union Switch and Signal Co.

GEORGE E. MERRICK, V., chemist of the Merrick Thread Co.

FREDERICK METCALF, II., draughtsman with the Rodney-Hunt Machine Co., of Orange, Mass.

STEPHEN W. MOORE, II., with H. H. Cummings & Co., Boston, Mass.

CHARLES NEAVE, B.A., VI., with Thomson Electric Welding Co.

NORMAN G. NIMS, IV., with Andrews, Jaques & Rantoul, architects.

CLARENCE G. NORRIS, I., assistant on Engineer Corps, J. M. & S. R. R.

HARRY L. NOYES, I., with the Cataract Construction Co.

GEORGE A. PACKARD, III., furnace manager Elizabeth Mining Co.

EDWARD B. RAYMOND, VI., with Thomson-Houston Electric Co.

CALVIN W. RICE, VI., special motor department Thomson-Houston Electric Co.

KNIGHT C. RICHMOND, II., draughtsman with Nier, Hartford & Mitchell, Chattanooga, Tenn.

WILLIAM Z. RIPLEY, I., graduate student, Mass. Inst. Tech.

CHARLES W. SHERMAN, I., graduate student, Mass. Inst. Tech.

HOWARD C. SLATER, II., assistant in Mechanical engineering, Mass. Inst. Tech.

W. L. SMITH, V., assistant in Physics at Mass. Inst. Tech.

MARTIN O. SOUTHWORTH, VI., special motor department of Thomson-Houston Electric Co.

SAMUEL STORROW, A. B., with Geo. S. Morrison, civil engineer.

FREDERICK W. SWANTON, VI., assistant in Physics, Mass. Inst. Tech.

JOHN H. TOWNE, IX., with Yale & Towne Manufacturing Co., Stamford, Conn.

ELTON D. WALKER, I., assistant in Civil Engineering, Mass. Inst. Tech.

WILLIS R. WHITNEY, V., assistant in Chemical Laboratory, Mass. Inst. Tech.

ANDREW W. WOODMAN, I., with Boston Bridge Works.

OH!

Merry eyes,
Waving hair,
Passing by,
Pert and fair.

Natty suit,
White and blue,
Flying skirt,
Dainty shoe.

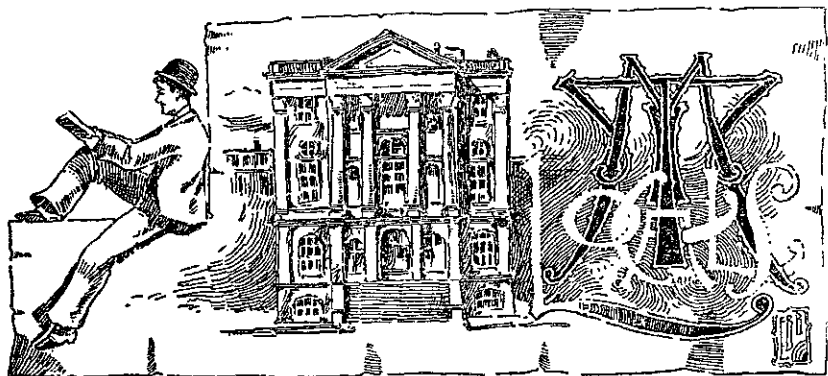
Roguish glance,
Careless smile,
Just the look
To beguile.

Season past
Often kissed her—
"Sweetheart, she?"
"No; my sister."

—*Orient.*

"Get ahead, my boy!" said his father,
"Get ahead in this world of din;
Do not sit down idle, but rather
Get ahead to the front, and win."
And the boy took his father's warning,
At the club he play'd well and won;
And he *had* quite a head in the morning,
Like a tired but dutiful son.

—*Bostonian.*



'93, what Course are you in?

Comment vous portez-vous, '94.

“Now is the time to subscribe.”

About time for '91's last election of officers.

Mr. M. J. S. Cromwell has returned to the Institute.

H. S. Potter, '92, has left on account of ill health, and is now “working.”

Shaw, Yale '90, is taking a two years' course in architecture.

Prof. S. W. Holman will spend the year abroad for the benefit of his health.

J. Crane, Jr., Harvard '90, is now studying electrical engineering here.

Only nine of the men in Course VI. of the Senior class returned without conditions.

But four of the officers of the Athletic Club have come back this year.

H. C. Foss, formerly of '93, has returned to the Institute. He will try for the eleven.

Keyes, '92, the winner of last year's tennis tournament, has not returned this year.

With a few weeks hard practice the eleven ought to get into the championship form.

W. Y. Chute has left the Institute, and is now in business in Minneapolis, Minn.

H. N. Williams has resigned from the Board of Editors of “Technique.”

The beginning of the year, as usual, sees new coats of paint and many changes throughout the buildings.

H. M. Waite, '90, is in the employ of the “Big Four” road. He is engaged in surveying a line from Cincinnati to Chicago.

Professor Letang will resume his work in the Architectural Department after having spent a year abroad.

Room 31, new Building, has been fitted up as a laboratory for experimenting in textile coloring.

The men who are collecting subscriptions for the football team will give receipts for all contributions.

The Electric Club intends to hold regular meetings this year. Papers on electrical subjects will be read each month.

The *Architectural Review* will be continued under the same management as last year.

P. M. Reynolds, '92, has not returned to the Institute this year. He is in the employ of the Thomson-Houston Electric Co., at Lynn.

Any member of the Institute who wishes to send artistic work to “Technique,” should put it into the hands of F. H. Meserve at once.

When will Freshmen learn not to wear High School paraphernalia after becoming collegians? It is hard to say, but there are a few who have been taught a lesson.

The lunch room has changed management. The corporation have taken it in charge, and lunch is served to the student at cost. Counters take the place of tables.

John B. Henck, Jr., '76, has been appointed Secretary, to succeed Professor Tyler. The latter will assume his new duties as Assistant Professor in Mathematics.

During the coming year G. N. Calkins, '90, will lecture on “Microscopical Technique,” and F. W. White, also of '90, on “Bacteriology.”

Tuesday, September 30th, President Walker addressed the Freshmen in Huntington Hall. The address was on Institute life, and the best manner of passing it.

Part of Room 15, Rogers, has been appropriated for an addition to the Secretary's office.

The remainder will be used as a Freshman reading room. Room 11 will be used as a lecture room in place of Room 15.

A baseball team, under the management of C. Garrison, '91, was very successful during the summer. Many of the local teams in Massachusetts were beaten, and in all, ten out of thirteen games played were won.

'93 held a class meeting Friday, October 3d, for the election of officers. The following men were chosen: E. E. Blake, President; J. C. Noblit, Vice-President; J. R. Speer, Secretary.

The football season of 1890 opens in a promising manner. About thirty candidates are trying for the eleven, of which number many are last year's men. Ninety-four has some good men on the field, notable among whom is Gilbert, end rush in last year's Andover eleven.

The "Technique" Bulletin Board was replaced in Rogers corridor last Monday. It now contains an offer of five dollars for the best five grinds handed in before November 10th. Any student wishing to know just what is wanted is referred to "Communications" in THE TECH published May 22, 1890.

The secretaries of all fraternities, local societies, literary and musical clubs and other Institute organizations are requested to communicate immediately with W. R. Kales, in regard to the space they desire in '92 "Technique." New societies, especially, are urged to be prompt in doing so.

The following changes in the Faculty have been announced; Jerome Sondericker, S.B., C.E., Assistant Professor of Applied Mechanics; E. B. Homer, S.B., Assistant Professor of Architecture; Geo. R. Carpenter, A.M., Assistant Professor of English; and H. W. Tyler, S.B., Ph.D., Assistant Professor of Mathematics.

During the month of September a negro boy made his living by calling upon the stu-

dents who live in the surrounding country, and demanding money from them under false pretenses. He had taken care of the coat room, or was going to set up a fruit and candy stand, in place of "Gregori," etc. How long before people will forget to be duped?

At the annual meeting of the Technology Electric Club, held in May, the following officers were elected: Pres., F. T. Snyder, '91; Vice-Pres., H. H. Wait, '91; Sec'y and Treas., A. N. Mansfield, '91. To be on the Executive Committee with secretary and treasurer, G. H. K. Oxford, '91, G. V. Wendell, '92. Messrs Wendell and Allen of '92 were admitted to membership.

Scene,—Rogers Corridor; time,—9 A. M., Tuesday, September 23d. The janitor is standing delivering information blanks to bewildered '94 applicants. Enter young New Hampshire, approaches janitor, and politely tipping his hat, "Good morning, sir! Can you tell me——" The janitor hands him an information blank, and '94 passes on into the unknown.

A meeting of the Tennis Association was held Wednesday, October 1st, for the election of officers. The following officers were elected: H. H. Ensworth, '91, President; F. T. Snyder, '91, Vice-President; W. B. Gamble, '92, Secretary; E. W. Stebbins, '93, Treasurer; G. Moore, '93, on the Executive Committee with the President and Treasurer. There are at present about fifty members of the Association. The courts will be immediately put in condition, and arrangements made for the tournament.

The changes that have been made in the Rogers Building during the summer have added much to its appearance. The "Corridor," especially, shows traces of the improving hand of the painter. The reading room of the English department has been moved from Room 33 to what was Room 40, and all of the fourth floor, except the Freshman drawing room, has been given up to Course IX.

College Notes.

E. A. Poe will captain the Princeton eleven this fall.

A Japanese holds one of the professorships in Yale.

The new gymnasium at Yale will cost \$200,000.

In the rush this fall at Princeton the Freshmen won.

The Sophomores won the cane rush at Williams.

Ohio has formed an intercollegiate press association.

There are 122 men in the Freshman class at Dartmouth.

The State of Mississippi has given \$100,000 to its university.

Fifty-four men have entered Yale from Andover this year.

The Freshman class at Williams numbers seventy-five men.

The National University at Tokyo, Japan, enrolls 50,000 students.

Twenty-five men have begun training at Amherst for the eleven.

Dancing is taught at Wellesley as a part of the course in gymnastics.

It is expected that there will be 2,300 names on the Harvard catalogue this year.

We have about four times as many colleges in the United States as in all Europe.

An educational institution of some pretensions is to be established at Ogden, Utah.

The university of North Carolina recently received \$25,000 to endow a chair of history.

Trainer "Jim" Robinson will begin to coach the Princeton football team on October 15th.

The city of Helena gave 250 acres of land to the Montana University, which is now being built.

With the exception of centre rush and right guard, all of last year's Harvard eleven have returned.

The Freshman class at Princeton contains 262 men, of whom 165 are taking the Classical Course.

The trustees of Lehigh University have voted the college a new physical laboratory at a cost of \$100,000.

Amherst has fourteen more students this year than last, although her Freshman class is somewhat smaller.

There is but one college paper in England, and on the continent undergraduate journalism is practically unknown.

An examination in gymnastics is now required of Johns Hopkins' undergraduates before a degree is conferred.

The finest college building in America is at Syracuse University. It was the gift of John Crouse, and cost \$700,000.

The Faculty of Stevens Institute are considering the advisability of lengthening the course from four to five years.

The Freshman class at Amherst is smaller this year than it was last; but the college as a whole has fourteen more men.

The Freshman class at Cornell will probably number between 400 and 500, of whom a larger portion than ever before are women.

The oldest college in the world is the Mohammedan College at Cairo, Egypt, which was 1,800 years old when Oxford was founded.

Stevens withdrew from the league, on account of not being able to get together an "eleven," and Bowdoin College was admitted.

Oliver Wendell Holmes commenced his literary career as an editor of a college journal. His first verses were written for his magazine.

Charles M. DaCosta bequeaths \$100,000 to Columbia, and Samuel P. Avery gives a very valuable architectural library, accompanied with \$15,000.

The telescope of the Lick Observatory will be outdone by one at San Diego, forty inches in diameter, prepared by Clark Bros., of Cambridge, Mass.

Prof. W. R. Harper, of Yale, has been offered the Presidency of the Chicago University. It is said that the total endowment of this University amounts to \$3,000,000.

A second expedition will be made this year from Princeton to investigate the Gulf Stream, the results of last year's trip having been so fruitful.

There will be two football fields at Princeton this fall. The Varsity and the Scrub will use one field, and the Freshmen eleven and a second scrub will occupy the other.

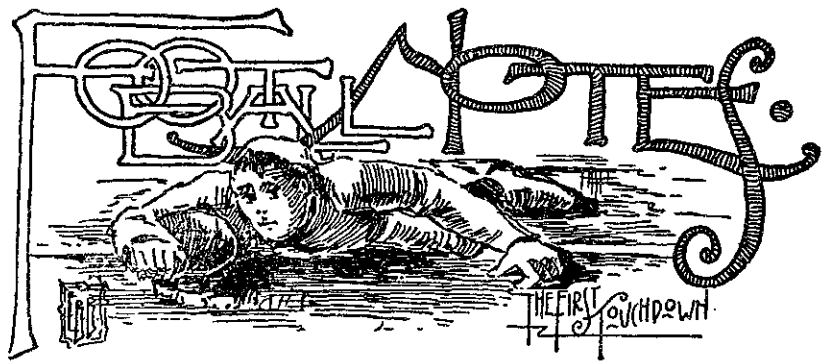
Harvard now offers a three-years' course, for which the degree A. B. is conferred. Columbia proposes to accomplish the same end by opening professional courses to Seniors as electives.

Gill, Yale's football captain last year, is training the football men at Dartmouth. The colleges this fall may look for a new style of play from Dartmouth, equally, if not more effective, than last year's.

Captain Rhodes of the Yale eleven and Captain Poe of the Princeton, have been in New York together, looking over the grounds at Brotherhood Park. The manager of the grounds has promised to sod them well, and it is probable that the Yale-Princeton game will be played there.

The following Yale graduates hold offices in the principal clubs of New York: C. M. Depew, '56, is president of the Union League; H. E. Howland, '54, is secretary of the Century Club; A. W. Evarts, '69, is secretary of the University Club, also of the Down Town Club; F. A. Stokes, '79, is secretary of the Aldine Club; H. DeF. Baldwin, '85, is secretary of the Reform Club.

R. P. Huntington, the Yale tennis champion, received quite a serious injury while riding across country Monday. He will be unable to play in the intercollegiate tournament, and Yale's chances will be seriously diminished.



Tech., 6; Boston Athletic Association, 4.

THE eleven played and won the first game of the season, on the South End grounds, Saturday, defeating the Boston Athletic Association 6-4. The result was a surprise, for the opposing team was heavier and in better form, and the Tech. men had had less than a week's practice. The elevens were about equally matched, though no points would have been scored against Tech. if it had not been for the full-backs fumbling the ball. Clark and Gilbert, who are both new men, did some of the best playing. The good work of the backs and Kales' sure tackling were features of Tech.'s play. Crane and Peters did the best work for the Athletic Association. The rush-line supported them well in the first half, but made a poor showing in the second. About one hundred and fifty saw the game.

Tech. put the ball in play at 4 o'clock, and Germer gained about twenty-five yards in three rushes. Slade kicked to save the ball, and it went to the B. A. A. on the 30-yard line, but Tech. secured it on the fourth down. Garrett was disabled and Cook took his place. The B. A. A. got the ball on a fumble, and two fine kicks by Crane carried it well into Tech.'s territory, the B. A. A. keeping possession of it on account of another fumble. Hard playing by the rush-line forced Tech. back to the 10-yard line, and Peters rushed the ball over the goal line and scored a touch-down. No goal was kicked. In the remaining five minutes Tech. managed to gain twenty-five yards from centre, but lost the ball on four downs, and Peters' run at the

end of the half took the ball into Tech.'s end of the field.

At the beginning of the second half the B. A. A. made ten yards by a V, and Beals' run made twenty-five more. The play continued in Tech.'s territory until the B. A. A. lost the ball on the 25-yard line. Tech. then began to play a much stronger game. Rushes by Foss and Slade gained the lost ground, and the rush-line gradually pushed their opponents down the field. Lord, '92, took Beals' place as referee in this half, and his decisions were strongly objected to by the B. A. A. players. Tech. kept up their forcing tactics, and Germer succeeded in making a touchdown, from which Slade kicked a goal, making the score 6-4. This won the game, and the excitement was over, though the B. A. A. made a strong effort to score, and had the ball at Tech.'s 10-yard line when time was called.

The men lined up as follows: M. I. T.—rushers, Kales, Vorce, Highlands, Weis, Beattie (Sutton), Batcheller, Gilbert; quarter-back, Clark; half-backs, Germer (Capt.), Foss; full-back, Slade. B. A. A.—rushers, Morrison, Park, Whitman, Churchill, Kip, Garrett (Cook), Beals; quarter-back, Lindsey; half-backs, Peters (Capt.), Waters; full-back, Crane.

Referee, Beals, B. A. A. (Lord, M. I. T., '93); umpire, Pierce, M. I. T., '89.

Upper classmen are subscribing very liberally to the aid of the eleven, but '94 is not making as good a showing as was expected.

The Football Association has secured the use of the grounds at the corner of Boylston Street and West Chester Park. The eleven practice every afternoon.

The Eastern Intercollegiate Football Convention held their annual October convention at Hotel Warwick, at Springfield, Mass., last Friday evening. Delegates were present

from all the colleges in the league, Tech. sending W. H. Merrill, Jr., '89, O. Germer, Jr., and H. N. Williams.

There was a meeting of the Football Association, Thursday, October 2d, in Room 11, Rogers; Captain Germer presided. The object of the meeting was to elect delegates to the convention in Springfield. Captain Germer, Manager Williams, and President Hammond of the Association were elected. Candidates for the team were requested to hand their names with positions desired to the captain. The meeting then adjourned.

Bowdoin expects to put a strong eleven in the field, the rush-line especially being very heavy.

Three men are trying for full-back on the eleven,—Crane, Harvard, '90, Walker, '92, and Slade, '92, of last year's team.

H. N. Williams, '92, was elected treasurer of the Eastern Intercollegiate Football Association at the convention, Friday, October 3d.

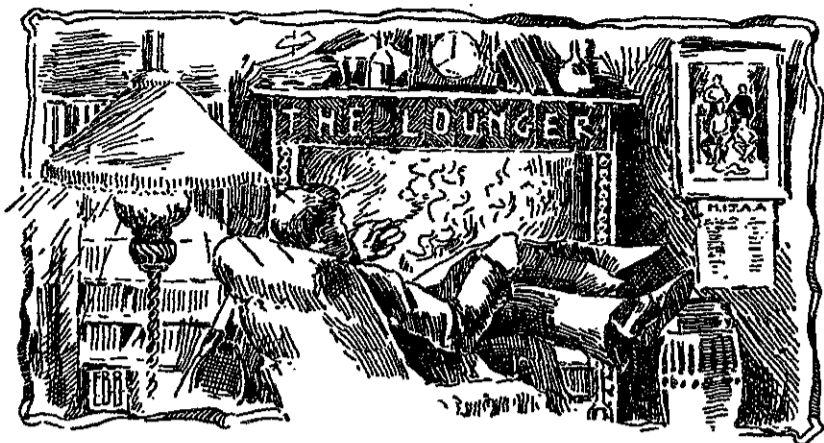
The football management has arranged practice games with Brown, Andover, Exeter, Harvard, Tufts.

The regular convention of the Intercollegiate Football Association was held in New York last Saturday, and the following schedule arranged:—

- Nov. 1st, Yale vs. Wesleyan at New Haven.
- Nov. 8th, Princeton vs. Pennsylvania, at Philadelphia.
- Nov. 15th, Yale vs. Pennsylvania, at New Haven.
- Nov. 15th, Princeton vs. Wesleyan, at Princeton.
- Nov. 26th, Wesleyan vs. Pennsylvania, at Brooklyn.
- Nov. 27th, Yale vs. Princeton.

The league adopted the Wright and Ditson championship ball. The following schedule was arranged:—

- Nov. 1st, Amherst vs. Technology, at Boston.
- Nov. 1st, Dartmouth vs. Bowdoin, at Hanover, N. H.
- Nov. 4th, Williams vs. Bowdoin, at Portland, Me.
- Nov. 8th, Williams vs. Technology, at Boston.
- Nov. 8th, Amherst vs. Bowdoin, at Amherst.
- Nov. 15th, Dartmouth vs. Technology, at Hanover.
- Nov. 15th, Williams vs. Amherst at Williamstown.
- Nov. 19th, Dartmouth vs. Amherst, at Amherst.
- Nov. 22d, Dartmouth vs. Williams, at Williamstown.
- Nov. 27th, Technology vs. Bowdoin, at Portland.



WELL, here are most of us back again. Grave and reverend '90 has given place to frisky and youthful '94, and Rogers corridor is overrun by some four hundred light-hearted aspirants for a future S. B. It is a change for the better in quantity; as to the quality, let the future judge. Lounger will base his opinion of the class character and merit largely on the length of time that passes before '94 is represented on the Board of Editors. Last year for seven months the *sanctum* floor was untrodden by the foot of a member of '93. Seven months is a record easy to beat, and it would seem that even if the present Freshmen cannot play football better than their predecessors, they might at least bestir their youthful intellects enough to have the Freshman class represented on THE TECH early in the year.

One of the aforesaid light-hearted four hundred evidently forgot that he was no longer a schoolboy, and appeared on the first day of the term in a drill-cap. Now, if there is one thing worse than wearing a Tech. drill-cap on the street, it is to appear in part of a preparatory school uniform and then pretend to belong to the Institute. Viewed in some lights it is almost a crime. Just think how awkward it is when some stately Soph happens to walk down the street near such an offending Freshman and is asked if he still goes to school, or why *he* doesn't wear such a cap, too. It is evident that something will be severely strained when such a thing occurs. And then, too, it seems that when a man is old enough to enter here,—which means coming to college and leaving childish things behind,—that he should eschew gaudy headgear of all sorts, and appear like an ordinary citizen. It was with inward delight that Lounger saw this particular cap disappear among the crowd around the bulletin-boards; for, though it was unkind to the cap-owner, it showed a true appreciation of the fitness of things.



A RAILWAY TRAIN.

A railway train is scarce the place
For poet's dreams or Muse's grace,
For there no favored charms enhance
The subtle spirit of romance,
And dullness reigns in any case.

The porter, born of Afric race,
The newsboy, with his Irish face,
Must ever haunt (dire circumstance!)

A railway train.

But *presto change!* A furtive glance
From soft eyes meeting yours askance,
A state of things that warm apace,
Till now the rhyme requires "embrace"—
You know the place for bold advance?

A railway train.

—Williams Weekly.

Reclining in a languid pose
Behold my lady fair,
Complexion like a new-blown rose,
Her gown from Worth, most rare.

A year from now, in calico,
She'll lead a different life;
I shall be saving money, though,
For then she'll be my wife.

—Bostonian.

Billy McFarlow, and Stevie, and I
All tried to get under the self-same high fly;
And Billy collided with Stevie and me,
And his eye is the blackest you ever did see;
And Stevie collided with me and with Bill,
And he feels, so they tell me, decidedly ill;
And I think I collided with Billy and Steve,
For I've written the Dean for an absence of leave.
But I can't understand why under the sun
They scored Morrill Dewing a corking home-run.

—Lampoon.

MY SALLIE.

With some fifty or so
She dances the ballet.
In years long ago
Some fifty or so,
In that very same show
I first saw my Sallie:
With some fifty or so
She dances the ballet.

—Bostonian.