



THE TECH

Boston, Massachusetts.

October 3, 1895.

Volume XV.

Number I.

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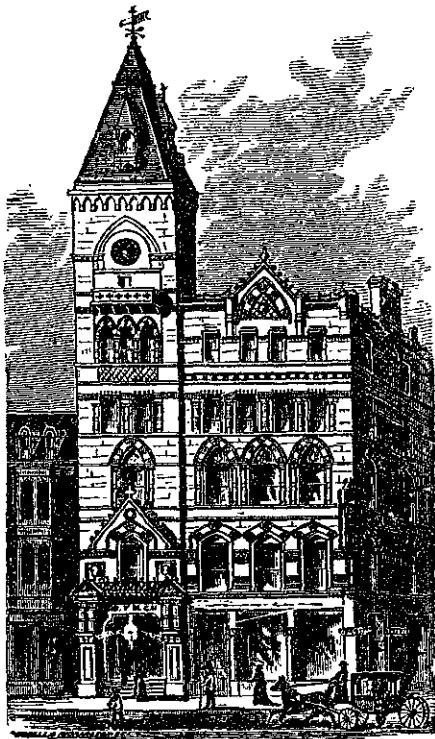
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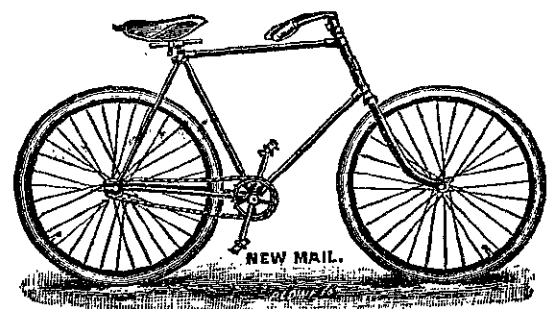
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BOSTON, OCTOBER 3, 1895.

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Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

CHARLES GILMAN HYDE, '96, *Editor in Chief.*
EDWARD ARTHUR BALDWIN, '96, *Assistant Ed. in Chief.*
SHELDON LEAVITT HOWARD, '97.
WILLIAM THORNTON PARKER, '97.
RALPH SPELMAN WHITING, '97.
THOMAS EDDY TALLMADGE, '98.
RAYMOND SMITH WILLIS, '98.

SHELDON LEAVITT HOWARD, '97, *Secretary.*

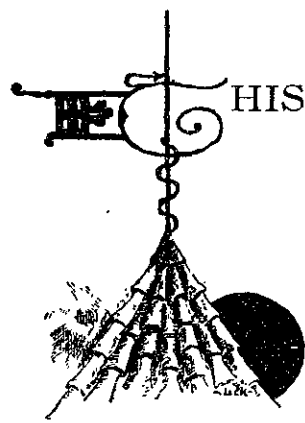
W. R. STRICKLAND, '98, *Business Manager.*

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Entered in Post Office, Boston, Mass., as Second Class Matter.



HIS week, for the thirtieth time in her history, Technology has thrown open her doors in warmest hospitality and has welcomed a host of men. Not a few have returned with former years of experience; a larger number than ever before have enrolled for the first time. The greeting, three decades ago, was indeed to the few. But the enthusiasm of an interested public, the sacrificing work of an able faculty ever under devoted leadership, and the conscientious work of a constantly increasing body of men, have accomplished everything toward further and further growth and toward the development of that reputation which last year proclaimed to the world, through noted men, its greatest scientific institution. To-day, in the true spirit of the time, rejoicing in the bright history of the past which records such noble growth, realizing the value of this welcome of our college and appreciating the tremendous advantages

of her training, THE TECH extends to all, to President Walker, to the Faculty and the Corps of Instruction, and to each student, its warmest greeting and its heartiest wishes for a year of true success. To the Freshman, above all, it would suggest an early acquirement of that love of Alma Mater which will not merely be productive of most benefit to his college, but will lead, as well, to an extent scarcely realized, to a broad college life and training, so absolutely necessary to-day in carrying on the world's work. That one most readily proves his merit who is trained equally by contact with his fellows and by contact with his books. Specialism is truly necessary, but a subtle line must be drawn and must not be overstepped.

Ninety-five did her work well and has passed on. Ninety-nine, you have come forward with a responsibility resting upon you to support every interest of your college. Make her advancement your first endeavor; attempt to gain a wide knowledge of your fellows and your books. Then, and then only, will your course be productive of those results which it is your prime object to achieve.



F the many changes which have been made in the list of Officers of Instruction, the absence of Dr. Drown will be most deeply regretted by the returning student. In the ten years during which Technology was honored by his faithful service, she not only endeared himself to the student heart by the invariable kindness and geniality of his manner, but by his thorough, broad-minded scholarship, was recognized and ap-

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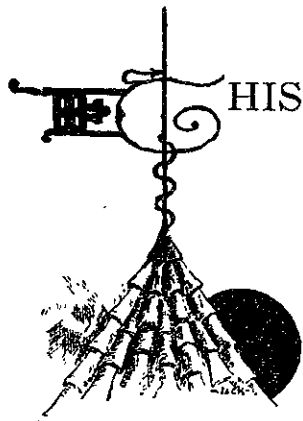
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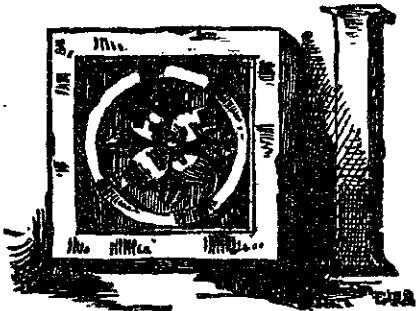
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preciated at home, in his college, and abroad, in his city, state, and country, as a great man. We quote a few words from the *Boston Herald* in regard to the loss which we have sustained through his departure: "Professor Thomas M. Drown, of the Massachusetts Institute of Technology, and president-elect of Lehigh University, received the degree of LL.D. from Columbia College Wednesday evening. This was the only honorary degree given by Columbia this year, and is a well-merited recognition of the distinguished ability of Professor Drown, who has been the head of the chemical department of the Institute since 1885, and chief chemist to the state board of health of Massachusetts since 1887. Much of the high international reputation of this board is due to the quiet, unostentatious, but fundamental, scientific work which Dr. Drown has done for it and for the state of Massachusetts. His removal to Pennsylvania is regarded as a great loss to Boston and to the whole state."



It is surely with something more than the traditional "mixture of feelings" that the members of the Class of Ninety-six should return to Technology for the year which completes their course of education at the Institute. To say that the three years that are passed have gone by with almost incredible rapidity would be but to recite a platitude. The realization must come to the Seniors that in this year they are having the last tastes of the enjoyment of college life, and that whatever opportunities for increasing the pleasures of the year may be offered, are surely worthy promptly to be embraced.

Self-interest and a natural pride will ensure that the several requisites for the anticipated degree will be performed during the last year with all possible faithfulness. It is the other side of the question, the influence of a man's

college friendships, the advantages of a full enjoyment of the social opportunities of a collegiate career, that we would emphasize. Too many men go through college with but the barest knowledge of their fellows, graduate at last with what honors it does not matter, and, finally, as far as concerns a knowledge of men and affairs, enter into the world veritable freshmen. It is in this, we fear, that many of the charges of the narrowing influences of a scientific education have their origin. Not that the fault lies with the nature of one's scholarly labors, but rather with the cramped and crabbed spirit which a man careless of his best interests seems doomed to acquire.

This should not be so. A man of such narrow ideas and ideals finds himself seriously handicapped. Such a man has not troubled to attend his class meetings, has taken no part in the interests of his classmates, has, indeed, deliberately shut himself out from all the broadening influences which such associations afford. This lamentable state of affairs is truly difficult to remedy among a set of men who have for three years been governed by them. But even at so late a day, there is a good chance of reclaiming them. The class meeting invites them, the many professional and social organizations stand ready to their hand. It is a duty to see that objects so beneficial to their advancement are not slighted.

For the man of Ninety-six, his Senior year is replete with opportunity. Let him take full advantage of it.



THE season is yet too little advanced to forecast at all definitely the Football outlook, but it is probable, from the unusually large number of men in the Freshman class, that some of the important positions left vacant by Ninety-five will be well filled. Every player should realize and accept his personal respon-

sibility in the success of the team by regular attendance and strict training. The team will be picked with regard to the ability and staying qualities of the man, independent of all other relations.

The absolute need of a second eleven was markedly shown by last year's experience. It will be the object of the management this season to give the second eleven all the privileges of the first. Above all others, the necessity of a coach is apparent. Should student support be sufficient, the services of an able and well-known player will be secured.

The first call for men was at three o'clock last Monday, when lockers were assigned. The use of Irvington Oval has been obtained, and the two elevens will soon line up with the old backs in good training. The training table was begun Wednesday, at Priest's. Twelve or fifteen men have already been placed there, and every eligible candidate is urged to take advantage of this opportunity by going into strict training. Not only upon the players does the responsibility rest, but upon the students at large. We trust that those who are unable to practice will contribute to the success of the team by their presence at the games and by their ready financial support.



TO-DAY we place before our readers the first issue of a new year. With the experience of other years as a guide, and following closely into line with the majority of progressive college papers throughout New England, THE TECH has made a somewhat complete digression from those plans of operation which have, in the past, been employed. Its principle and its aim shall remain the same; its management may vary according to the demands which experience places upon us. Hitherto Technology men have given to

their representative but half-hearted support. A high standard was adopted by the publication, and has been maintained. But its maintenance has been the cause of a constantly enlarging and burdensome debt. With the new volume, a step has been taken which, it is hoped, will meet, because the necessity for it should be felt by the student body, with decided and sympathetic endorsement on the part of the college at large. In years past, scarcely a word has been spoken in commendation—the many, and undeservedly, in censure. Yet the college publications of New England can have considered THE TECH in no disparaging light through their action of choosing our representative last year as President of the Intercollegiate Press Association.

The current issue has been sent to every man enrolled at the Secretary's office, to Senior and to Freshman. Further issues will continue to be sent by mail to the members of the Freshman class until a definite notice has been given to the business management requesting withdrawal. In case of a long delay of such notice on the part of any man, the management will consider the person a subscriber, and shall hold him liable for dues. After the first issue, it is hoped that the upperclassmen will prove their interest, and will subscribe of their own accord. For the present, THE TECH will not be placed on sale, as heretofore, in Rogers corridor, but extra copies may be obtained at THE TECH office, at hours which will be stated at a later date, and at MacLachlan's. Each number will be sent to the Boston address of the subscriber, unless some definite arrangement for other distribution, in special cases, is desired.

THE TECH has hitherto maintained a conservatism, of which it has been proud. Today, however, in the light of similar attempts of other papers in our most prominent colleges, and under the necessity which has compelled the step, the change has been made. THE TECH shall ever stand primarily to induce a love of Alma Mater which will advance our

college along every line; it shall always stand for the development of a true college life to a degree which will be neither narrowing, on the one hand, nor, on the other hand, will it be inconsistent with a suitable scholarship standard. THE TECH shall stand in the future, as in the past, for the best and immediate interests of the entire student body. In this step, which non-support has rendered necessary, it merits the hearty, interested support, *not censure*, of every Technology man.



WE are glad to note the sound, business-like methods, and the enthusiastic efforts which the leaders of the new Y. M. C. A. movement have displayed in carrying into effect the plans proposed last year. One can scarcely realize the amount of work necessary to produce so successfully the valuable little handbook which has been so generally distributed, to arrange the details of the Information Bureau with its varied statistics, and to prepare for the reception which will be tendered to every Technology man to-morrow evening in Association Hall. To the Freshmen especially, the invitation is extended in the hope that the class as a whole will take advantage of this privilege of meeting their professors and a large number of upper-classmen and classmates. The Y. M. C. A. has indeed proved already a welcome evolution from the inactive and thoroughly unprogressive Christian Union. The Association is worthy of hearty support on the part of every man at college; and its work, if properly advanced, will undoubtedly fill a need which has long been felt.



IT is a matter of great regret to many students and friends of Technology that our application to form a chapter of the Phi Beta Kappa was refused at the recent triennial council of this oldest of American intercollegiate societies. Although defeated, it was by no means an ignominious defeat. The cause of Technology was upheld with great ability by delegates of Amherst and Bowdoin, by Professor Baldwin, of the Yale Law School, and, perhaps most significant of all, by President T. W. Higginson. These men claimed that although the Society had always stood for the highest and most thoroughly cultivated minds, high scholarship may be obtained by scientific, as well as literary studies. As Professor Baldwin asserted, any institution of which General Walker was the head, would be conducted so as to provide high intellectual training as well as technical skill.

With President Walker so ably seconded in this respect by many of our Faculty, there is no doubt that Technology can furnish a goodly number of graduates able to make an excellent showing in all that goes to make a gentleman and a scholar. It is worthy of note that although Professor Baldwin proved one of our warmest advocates, the Yale delegates were instructed to oppose our admission. Harvard, on the contrary, voted in our favor.

WE regret exceedingly to announce the resignation of Mr. Hurd, '96, from THE TECH Board, at its last meeting. His loss, coming as it does at this time, will be keenly felt; and it must be considered a decided misfortune that this step on his part has been made necessary. THE TECH extends to him its heart-felt sympathy in his recent sorrow; and it will always remember him as a strong supporter of its interests.

The Summer School of Architecture.

PROFESSOR HOMER, of course IV., who, in connection with Mr. Mann, '94, had charge of this year's summer school, is very enthusiastic over the work done by his department in the three weeks' outing. The week following commencement seventeen students, including six young women, arrived with the paraphernalia peculiar to their profession, in Salem, Mass., where they established their headquarters and drawing rooms at Plummer Hall, through the kind permission of the Essex Institute. The summer school at once set to work on the beautiful colonial architecture of that historic town, and, through the kindness of the inhabitants, made many full-size drawings of types on the most interesting of the dwellings. Professor Homer and his class also obtained many excellent photographs, which will be of great value to the Institute. Aside from the work at Salem, excursions were made to Ipswich and surrounding country, and at Foxcroft the Essex Institute gave the class a dinner. Three weeks in all were spent by the students on this work, in which study and recreation were so delightfully united.

Y. M. C. A.

THE new Y. M. C. A. at the Institute has made an auspicious beginning in extending to the Freshman class so hearty a welcome. A very neat booklet has been gotten out by the association, stating its aims and quoting portions of its constitution. In conjunction with this is published a map of the city and valuable lists of boarding houses, hotels, places of amusement, together with a brief summary of Institute affairs and athletics. An opening reception will be given the Class of '99, on Saturday, October 5th, at the Boston Association Building, cor. Boylston and Berkeley Streets. Three addresses will be made: by Professor Sedgwick, representing the faculty; by John Rockwell, '96, for the student body; and by Mr. Lewis, for the

Association. The Association will also soon put into execution a plan advanced by President Walker last year; namely, the establishment of a house where students, members of the association, may board, and where all may find an open parlor and the means of spending a spare hour agreeably. President Walker expresses himself in hearty sympathy with the work.

Technology Representatives Abroad.

PRESIDENT WALKER, accompanied by his daughter, Miss Walker, left Boston July 11th, for his initial trip through the far Northwest. He selected the Canadian Pacific route, and was thereby enabled to see portions of British North America as well as the northwestern states of the Union. Arriving at Victoria, he sailed on The Queen for Alaska. From thence he returned to Tacoma and Portland, Yellowstone Park, St. Paul, Chicago, and Niagara.

General Walker expresses himself as chiefly delighted with the social ambition evinced by the people of the Northwest. One expects to find business push and energy in these busy localities, but is naturally surprised at the almost universal evidence of architectural skill shown even in the smaller buildings and homes of the people.

Well-kept parks gay with flowers are scattered generously throughout the larger cities. The whole aspect of affairs points to the evident desire of the people to bring their section of this great empire to a high state of culture.

Dr. H. W. Tyler sailed for Europe the first day of June. Six charming weeks were spent in Germany, during which time he visited several of the great Universities, among them Erlangen, where he took his degree of Ph.D. In Switzerland, Dr. Tyler spent three weeks, arriving in this country September 9th.

Prof. A. N. Van Daell and family sailed for Hamburg, June 5th. After spending

some time in study at the Ministries of Public Instruction in both Brussels and Paris, he occupied himself at the Bibliothèque Nationale in the latter city with research bearing upon his work at Technology.

While traveling in Germany, Professor Van Daell had the pleasure of meeting Professor Dewey of the Institute, and in Paris, Professor Desparadelle and several Technology architects.

Leaving his family in Europe, where they will spend a year, Professor Van Daell arrived at New York, September 26th.

Honors for Technology Women.

FRESH laurels are being continually woven into Technology's wreath, and the eyes of the educated world have often been turned upon her achievements. The women who have studied here have fully done their share in upholding the renown of the Institute, but it has remained until this summer for two of Technology's daughters to assert themselves among the great institutions of learning abroad.

Miss Elizabeth E. Bickford, who graduated from M. I. T. in the Biological Department with the Class of '90, has had conferred upon her by the University of Freiburg the degree of Doctor of Philosophy (*magna cum laude*). Since her graduation Miss Bickford has taught in Baltimore, and has also spent considerable time studying in Germany with the eminent Zoölogist, Weismann.

Miss Margaret E. Maltby graduated in '91 from Course VIII. (Physics). She has been engaged in teaching at Wellesley, and in studying at Göttingen, Germany. She also has taken the degree of Ph.D. with especial commendation for her dissertation (thesis).

These two are among the first women who have ever taken regular degrees at German Universities, and Technology has indeed reason to congratulate herself as well as them upon their marked success.

Miss Ethel Blackwell, who graduated in '91 from the course in Biology, has recently taken

the degree of M.D. at the Women's Medical College of New York, and has been appointed to a fellowship in the Medical School at Johns Hopkins University.

Miss E. K. Joyce, who also spent some time studying Biology at the Institute, and has been conducting classes in Zoölogy and Botany at Campo Bello with marked success, has just received an appointment to teach these subjects at the famous Brearly School in New York City.

Technology and Phi Beta Kappa.



THE following account, taken from the *Boston Transcript*, of the contest in the triennial council of the Associated Chapters of the Phi Beta Kappa, at Saratoga, September 11th, over the admission of

the Institute of Technology, is understood to be from the pen of Colonel Thomas Wentworth Higginson, the President of the Council, and also President of the Senate of the Phi Beta Kappa. Colonel Higginson deserves the hearty gratitude of all friends of scientific education for the manly stand he has taken in favor of the full and cordial recognition of high scholarship wherever found:—

“The chief feature of interest was the appearance for the first time of the vexed question between the older academic and the newer technological institutions, in the case of the Massachusetts Institute of Technology. For more than two hours the subject was discussed with such fullness and ability that it is to be regretted that no report of the speeches were made. The case was conducted for the institute by Professor Grosvenor, of Amherst Col-

lege; and two uncommonly strong speeches were made on the same side by Professor R. S. Baldwin, of the Yale Law School, and by Hon. James McKeen, of New York City, a Bowdoin delegate. Professor Nash, of Hobert College, Geneva, also advocated this side, and President T. W. Higginson left the chair for the same purpose. All these men took the position that although they themselves were reared on the older system, they could not shut their eyes to the fact that the way to mental training and scholarship now lay through science as well as through the literary studies; and that the magnificent scale and vastly improved methods exhibited at the Institute of Technology placed it at least on a par with small academic colleges not having a tenth part of its resources. Professor Baldwin emphatically said that having been associated for years with General Walker on the Yale faculty, he knew that any institution of which he was the head would be conducted in the spirit of high intellectual training, and not merely of technical skill. Curiously enough, the speaking on the other side was led off by two of the younger delegates,—Professor Burr, of Cornell, and a representative of Kansas University,—these being reinforced afterwards by Professor Seymour, of Yale. Both Yale and Cornell had instructed their delegates to oppose the application, although Professor Baldwin was sent in spite of his refusal to be bound by the instructions.

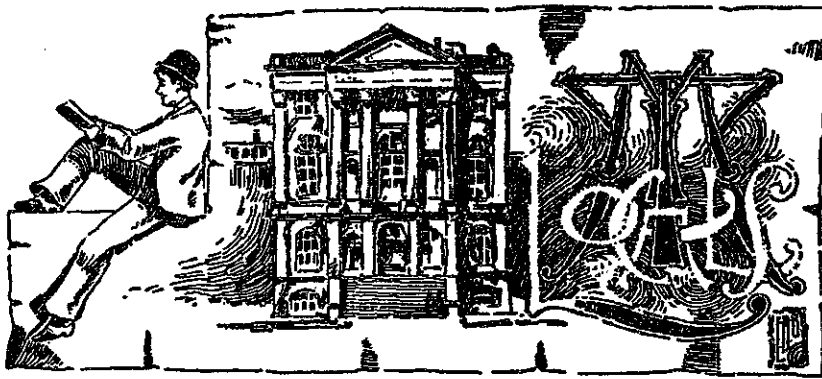
“These were the chief speakers on that side, and they dwelt on the familiar view of the essential distinction between academic and scientific training and the fact that many colleges had scientific schools whose students were not eligible to Phi Beta Kappa, and were now forming an intercollegiate society of their own, with which it would be a pity to interfere. Per contra, it was shown in rebuttal that in other chapters, as that at Amherst, scientific students were as eligible to Phi Beta Kappa as any others, and that the Associated Chapters had always kept themselves, as such,

on the broadest ground; their “model constitution,” for instance, only providing that the membership should be taken “from the best scholars of the graduating colleges,” without reference to any particular form of scholarship, scientific or literary.

“The first test vote came on the motion of Cornell to postpone the whole application to the next triennial council. Chapters voting to postpone were as follows: Dartmouth, Vermont, Middlebury, Williams, Trinity, Union, Columbia, Hamilton, Cornell, Rutgers, Dickinson, University of Pennsylvania, Kenyon. Those voting against postponement were Bowdoin, Harvard, Amherst, Yale, Wesleyan, Brown, College of New York city, Hobart, Colgate, William and Mary, de Pauw, Kansas, Minnesota. There being a tie, President Higginson decided against postponement. On the main vote twelve chapters voted to admit the Institute of Technology, eleven against it, two being divided. But as the constitution requires a clear majority of the whole thirty-four chapters, this bare majority was insufficient and the first application failed. A motion of Mr. McKeen was, however, carried with substantial unanimity, that it should lie over without prejudice until the next triennial council. A general impression seemed to prevail that the whole movement had shown itself unexpectedly strong, and would doubtless be renewed three years hence with a probability of final success. The names of chapters voting on the final vote were not made public, but it is known that Harvard voted in favor of the admission of the Institute.”

After Tea.

Confusion in the hallway
 Betokens tea is o'er:
 “Enjoyed myself immensely,”
 He murmurs at the door.
 Says Ethel, charming hostess,
 As cunning as an elf,
 “Your compliment is doubtful,
 Since you've enjoyed yourself!”



A new office has been built in the Biological Laboratory.

Technology pins may be obtained of Mr. Ward W. Ward, '98, Box 15, Cage.

McCormick has been limping for a few days, but hopes to be better shortly.

The fine collection of casts received last year has been placed on exhibition in 42 Rogers.

President Walker's office and Room 43, Rogers, have been fitted with electric lights.

Mr. H. N. Dickinson will give the course in Latin Readings to '98 Biologists this year.

The library of the Institute has been fitted this summer with several new bookcases and files.

Professors Van Daell, Despradelle, Dewey, and Peabody, have all been in Europe this summer.

Captain Bigelow delivered two lectures last week, at the Naval War College, on "Strategy."

Professor Talbot has been made associate professor in Analytical Chemistry, and Prof. Dippold associate professor in Languages.

Mr. Allston Sargeant, '98, the fast sprinter of Technology, has gone into business for a Grand Rapids Cash Register firm.

Robert S. De Golyer, 'last year at the Sheffield Scientific School, Yale University, has entered the Class of '98, in Course IV.

It is said that Mr. James Baker, '97, who was to be the leader of the Glee Club this year, will not return to the Institute this Fall.

The Bay State Bank will cash checks for the students of the Institute, when properly

indorsed by the Bursar, for the sum of ten cents each.

Le Moyne, '98, guard on last year's football team, will not return this year. His loss will be keenly felt on both the Sophomore and 'Varsity teams.

In the Biological department, the instructor in Comparative Anatomy has a new room. A special laboratory for physiological research has also been added.

The Glee, Banjo, and Mandolin Club are sadly in need of material, and it is to be earnestly hoped that the incoming Freshman class will evince a suitable interest.

Architects, as well as students in the other departments, will do well to call at the Supply Room in the Architectural Building for low rates on drawing materials.

Mr. Fred Mann, the architect, has left his position with Peabody, Stearns & Co. of this city, and accepted an Instructorship in Design at the University of Pennsylvania.

Mr. W. R. Strickland, '98, who is business manager of THE TECH, was also appointed manager of the Glee, Banjo, and Mandolin Clubs at their last meeting in May.

Dwight Aultman, 2d Lieutenant U. S. Artillery, who took a special course at the Institute while stationed at Fort Warren last year, has been transferred to Newport.

Herman and Pingree, '96, are making arrangements for tests in brick and stone arches, and the heavy iron skew backs for the work have already been delivered at the Institute.

Secretary Tyler's office hours are from 8.30 to 10 A. M. and 1.30 to 2.30 P. M., except on Wednesday and Saturday. Students wishing to consult the Secretary will do well to conform to these rules.

The examination for the selection of officers for the Freshman battalion will be held Friday, October 4th. The examination will include everything up to the School of the Battalion in close order.

Henry F. Hoit, recently in the employ of Mr. Dwight H. Perkins, who was formerly a student in Course IV., and who is now one of Chicago's rising architects, has entered Technology for special advanced work in Course IV.

Mr. Mansfield, the manager of the 'Varsity Football team, has issued a printed circular, which it is to be hoped will produce the necessary enthusiasm and funds to put a creditable team in the field this year. The Freshmen are looked to for considerable material.

Mr. Malcolm Ewen, '97, has achieved considerable success this summer at tennis. He won first prize and the championship at Evanston, Ill., and then, hastening East, performed the same feat at Concord, Mass. In both events Mr. Ewen entirely outclassed his opponents.

The architects will be pleased to see hanging in their library a very large and handsome lithograph of St. Mark's, at Venice. The lithograph was published in many sections, and was presented by Mrs. Draper, of New York, who has also given a great many volumes to the Institute.

A benefit organization, known as the M. I. T. Mutual Aid Society, was formed last June by the employees of the Institute and has been in operation during the summer. Through the courtesy of Dr. Sedgwick and Mr. Knight, the Society was given the use of the steps in front of Rogers during the parade of the Knights Templar in August, and the fees received amounted to \$247, which sum was added to the benefit fund.

In the M. E. Lab. a ladder and platform have been erected against the brick chimney, and all arrangements made for experiments in flue gases and flue draughts. A locomotive indicator rig, to fit any locomotive, has been constructed, and is now in use in the thesis work of H. Hartwell and G. F. Starbuck, both '96, who are engaged in testing a

mogul locomotive on the Fitchburg. The test runs will be made from Bellows Falls to Boston, a distance of 114 miles.

This year will see several changes in the Mechanical Engineering Laboratory. Mr. Mosely, '92, of Evanston, Ill., has been secured as an instructor in Mr. Richardson's place. Mr. Mosely, in the interval since his graduation, has occupied important positions in the Illinois Steel Works and in the construction departments of the World's Fair and the Atlanta Exposition, from which he just arrives. Mr. Clark, '95, has taken Mr. Crosby's place, and Mr. Du Bois has left the Institute. Mr. Bourne has been engaged as an additional assistant.

In view of past experience it is well to bring before Ninety-six men the importance of careful selection of class officers, and to quote a few extracts from the class constitution relating to the election: "Article IV.—Nominations—Section 1. Nominations shall be made in writing signed by not less than five members. Section 2. All nominations must be received by the Secretary not later than two days before the date of the election. Article V.—Elections—Section 1. Regular elections shall be held thereafter on the second Saturday of October, the officers elected assuming their duties on the third Saturday of the same month, and serving for the full term of one year. Section 2. There shall be no voting by proxy, and all ballots shall be null and void which do not bear the name of the voter. Section 3. No member can be a candidate for more than one office. Section 4. A majority vote shall constitute an election."

In a *Herald* of last week a good resumé of the changes in the *personnel* of the instructors at the Institute was given. It paid Professor Drown a high compliment, and stated that on October 10th, when the Faculty convenes for its semiannual meeting, his successor would probably be chosen. Prof. Henry Talbot will

continue to carry out Professor Drown's work in analytical Chemistry. Prof. G. T. Dippold is now associate professor in the department of modern languages, and Dr. Robert P. Bigelow has been chosen librarian, to fill the place of Mr. Clement W. Andrews, who resigned last year to take charge of the Crerar Library in Chicago.

The new assistant professors are:—

Dr. F. S. Woods, in mathematics; Richard W. Lodge, '79, in mining engineering; Dr. Thomas Hough, in biology; and Dr. William Z. Ripley, in sociology and economics.

Of the new instructors:—

Dr. Samuel P. Milliken, '87, succeeds Dr. Evans, who resigned in the spring to take up practical analytical chemistry. The others, appointed from outside, are Dr. Henry Fay, in analytical chemistry; and Justus Ehrhart, in modern languages.

The assistants raised to the position of instructors are:—

Ervin Kennison, '93, mechanical drawing; Charles L. Norton, '92, physics; W. F. Brown, free-hand drawing; Kilburn Sweet, '93, civil engineering; Dr. P. J. Moore, analytical chemistry; L. Kimball, '86, general chemistry; Simeon C. Keith, '93, biology; F. H. Keyes, '92, mechanical engineering.

The roll of instructors and assistants who have left the Institute this year is large. Most of them have gone into some branch of business. They are:—

Clement W. Andrews; Barron P. Du Bois, mechanical engineering; Charles M. Faunce, mechanical drawing; Herbert P. Moody, analytical chemistry; Robert S. Shedd, architecture.

This year nine new assistants have been appointed. They are:—

A. W. Moseley, '91, mechanical engineering; E. R. Walker, '93, general chemistry; F. A. Hannah, '95, mechanical engineering; Henry E. Crampton, biology; F. W. Howe, '95, general chemistry; W. S. Williams, '95, industrial chemistry; C. H. Clarke, '95, mechanical engineering; J. H. Bourne, '95, mechanical engineering; C. A. Meserve, sanitary engineering.

The following assistants have left the Institute:—

Leslie R. Moore, industrial chemistry; Frank Richards, civil engineering; Walter E. Piper, general chemistry; William W. Crosby, Thomas G. Richards, and Edward M. Hunt, mechanical engineering.

Alumni Notes.

W. H. King, '94, will take up a special course at Harvard this year.

T. P. Curtis, '94, has entered the Lord Electric Company, of Boston.

Mr. Frank C. Schmitz, '95, leader of the Glee Club last year, was married this summer.

Mr. Gardiner, '94, has been appointed instructor in Architecture, to fill Mr. Shedd's place.

W. L. Wollett, '95, Course IV., has been made an instructor of Mechanical Drawing in the Albany Academy, Albany, N. Y.

Mr. Geo. W. Fuller, M. I. T., '90, until lately Bacteriologist at the Lawrence Experimental Station of the State Board of Health, has been appointed Chief Chemist and Bacteriologist of the Louisville Water Company, Louisville, Ky. He will, in his new capacity, conduct important experiments upon the efficiency of Mechanical Filters for municipal water supplies.

The following is the schedule of games, subject to changes:—

Saturday, Oct. 5.	Exeter at Exeter.
Wednesday, Oct. 9.	Worcester Tech. at Boston.
Saturday, Oct. 12.	Andover at Andover.
Wednesday, Oct. 16.	B. A. A. at Boston.
Saturday, Oct. 19.	Open.
Wednesday, Oct. 23.	Brown at Boston.
Saturday, Oct. 26.	Amherst at Amherst.
Thursday, Oct. 31.	C. A. A. at Boston.
Saturday, Nov. 2.	Open.
Wednesday, Nov. 6.	Amherst at Boston.
Saturday, Nov. 9.	Open.
Wednesday, Nov. 13.	Brown at Providence.
Saturday, Nov. 16.	Open.

Games will also be played with Williams and the Newton Athletic Association.

Season tickets for the Football games may be obtained of the officers of the association; also at Maclachlan's and Priest's for three dollars. Ladies may be admitted upon them.



"Jack" Pechin played in the Golf Tournament at Lowell, last week.

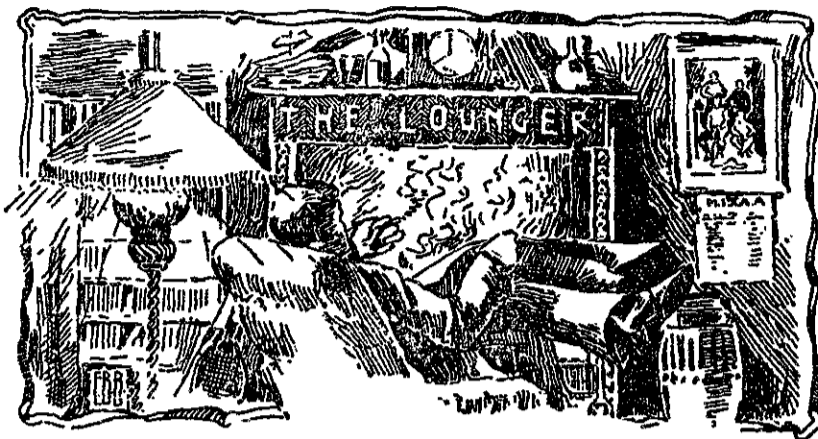
H. Cummings, Jr., '96, was elected Captain of the Track Athletic Team, last May, after the Intercollegiate games.

The annual cross-country run, the first athletic event of the college year, will be held early in November. The indoor class championships will take place December 7th.

The captains of the Sophomore and Freshmen elevens should call out their men at once to begin team work at the earliest possible date, and develop material for the 'Varsity squad. This year the Sophomore-Freshman game promises to be the most interesting contest in years since no 'Varsity man will be allowed to play.

Laing, Philips Andover '95, the Interscholastic mile runner, who has covered the distance under 4.33, has entered Dartmouth. He took the Harvard entrance examinations and was looked upon as an addition to the Mott Haven team: instead he will be seen next May pitted against Technology's champion, Captain Cummings.

The London Athletic Club, whose representatives came to this country to participate in an international contest, was overwhelmingly defeated last month by the New York Athletic club. The Americans won every event and among the champions were three New Englanders. T. E. Burke, a Boston High School boy, won the quarter, B. J. Wefers of Boston College won both sprints and S. Chase of Dartmouth captured the high hurdles.



THE Lounger can find no reasonable excuse for further concealing the fact that his fond hopes have once again been frustrated. His manful endeavors have once again proved vain; his toilsome struggles futile. He does not intend by this to harrow anybody's heart with a long tale of his woes. Indeed, he has not suffered to that degree which would justify him in saying that his disappointment was wholly unexpected. Constant experiences of the same sort have hardened his heart to some extent, and so without further ado he is content to state merely the bald facts. In other words, in spite of strenuous exertions and other mighty efforts the coveted sheepskin eluded his eager grasp, and he is "back" for another year, once again to pursue the coy S.B.

"No joy without annoy" runs the old saying. Perhaps the converse is true also. At all events the Lounger finds comfort in knowing that the same fate which condemns him to a year's grind, also brings him back to extend to the class of Ninety-Nine the welcome which none can give so well as he. It has been for many years the Lounger's privilege and duty, thus to greet the timid Freshie and to save him as far as may be from the traps and snares of his multifarious enemies. It is therefore with much joy that he extends to them all a metaphorical hand in a hearty metaphorical handshake, and bids them make themselves at home. He may as well confess, nevertheless, that his joy at their advent is somewhat tempered by misgivings of the surprises that may be in store for them, for it would be too much to expect that even this strictly *fin-de-siecle* class are possessed of less than the usual minimum of inexperience. They must indeed realize that custom from time immemorial has marked them for the legitimate prey of the Sophomores; they must indeed expect the usual assortment of sarcastic pity, slight, and contumely which the class immediately above them is privileged to bestow; they will surely expect to

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Week beginning October 7, 1895.

Hollis Street Theatre.—Chas. Frohman's Empire Theatre Stock Company will commence its annual engagement in "The Masqueraders,"—Henry Arthur Jones's play. "The Masqueraders" possesses interest as the most successful play of last season. It will be mounted magnificently, special furniture having been imported.

Boston Museum.—Fourth week of "The Fatal Card." The best part of it all is that the success of the piece is founded on a perfectly legitimate basis; for the first curiosity, natural to a play

so widely advertised, has worn away, and now the public are attending from sheer enjoyment.

Park Theatre.—Otis Skinner, well remembered as a leading actor in Booth and Barrett's, Madam Modjeska's, and Augustin Daly's companies, will commence his second week in Boston as a star. He will appear in "His Grace de Grammont," a romantic drama by Clyde Fitch.

Tremont Theatre.—Henry Irving, his fair art associate Ellen Terry, and the London Lyceum Company. The engagement will be for four weeks, during which time it is anticipated that all of the plays announced in his repertoire will be presented by Henry Irving, Miss Terry, and his company of excellent actors.

Boston Theatre.—As the curtain falls on the last act of "Burmah," both play and players receive enthusiastic applause, showing how the taste for melodrama still exists in the modern theatre-goers. In the fourth act is shown the fearful effect of the Maxim gun, which fires six hundred shots a minute.

Castle Square.—"Bohemian Girl." The cast will be: Count Arnheim, J. K. Murray; Thaddeus, Theo. H. Perese; Florestein, Arthur Wooley; Devilshoof, Wm. Wolff; Captain of Guard, John Read; Arline, Miss Clara Lane; Queen, Miss Kate Davis; Buda, Miss Florence Waite.

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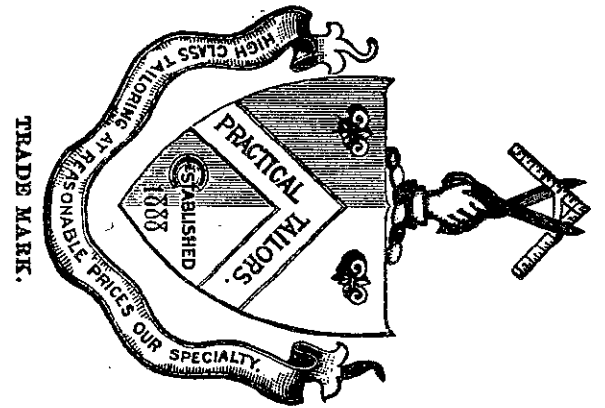
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