

THE TECH

Boston, Massachusetts.

May 14, 1896.

Volume XV.

Number 29

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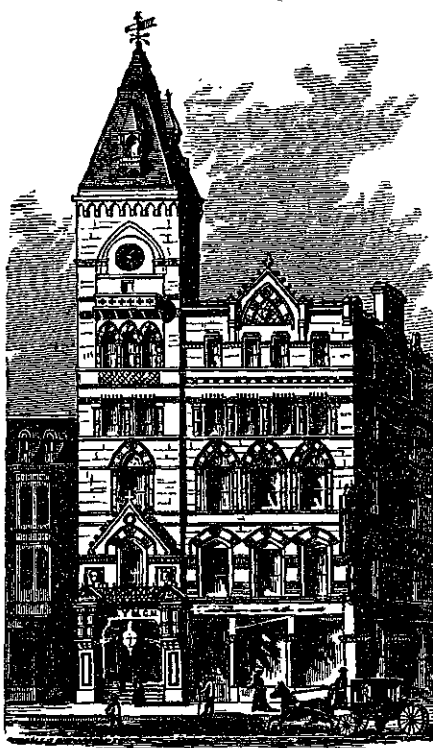
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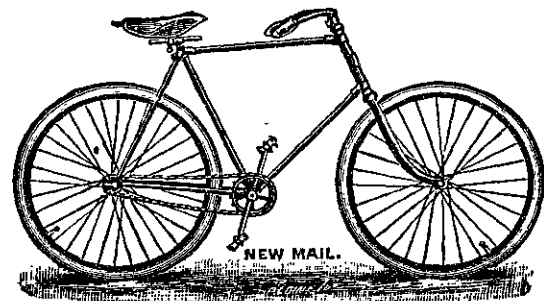
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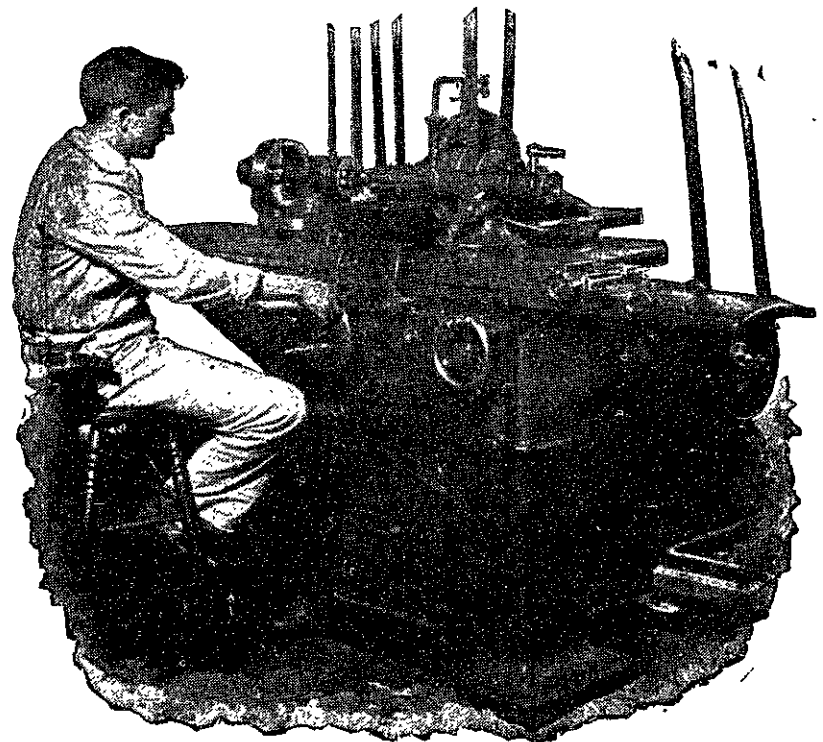
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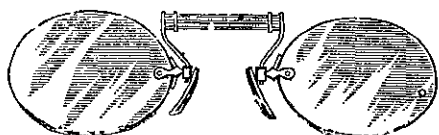
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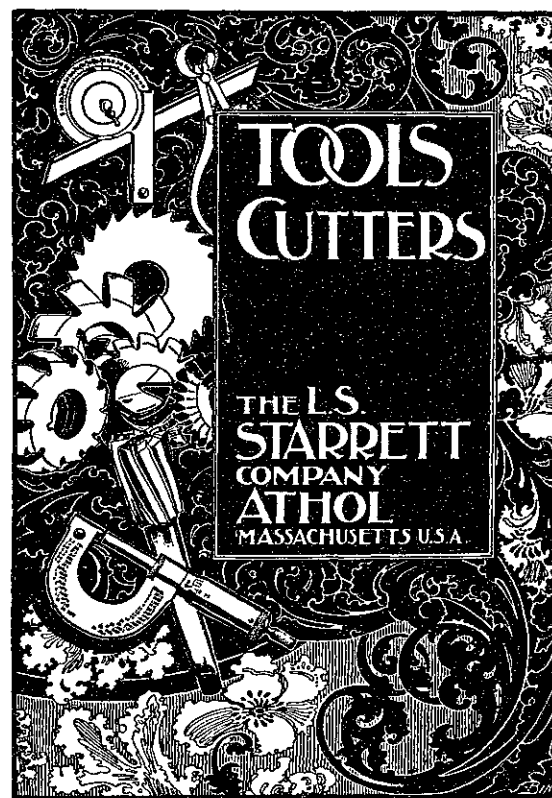
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THE TECH

VOL. XV.

BOSTON, MAY 14, 1896.

NO. 29

THE TECH

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

CHARLES E. A. WINSLOW, '98, *Acting Editor in Chief.*

CLARENCE WARNER PERLEY, '96.

HARRY DRAPER HUNT, '97.

MORRIS KINNARD TRUMBULL, '97.

WILLIAM MONTAGUE HALL, '98.

LESTER DURAND GARDNER, '98.

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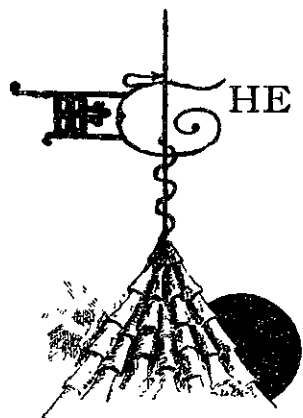
Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

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.

During the remainder of the college year the office of THE TECH, Room 30, Rogers Building, will be open on Thursdays from 12 M. to 1.30 P. M.

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



THE announcement of the Technology Club in another column shows conclusively the energetic and enterprising character of the men who direct the policy of this institution. The entire project has been conceived, considered, and concluded in the space of a few months. That such determined, decisive action can take place on such an important matter, is sufficient guarantee of the enthusiasm and confidence of its supporters.

The plan seems to us sure of a brilliant success. Men at Technology are ready for such an enterprise, and the noble work of the Faculty and Alumni will meet with a worthy response from the undergraduates. We therefore hail the Technology Club as the first great step toward a higher University life, and

prophesy not only success for the plan itself, but a powerful stimulus from it for every other phase of Institute life.



THE drill between the members of our Freshman battalion and the representatives from Brown, Harvard, and Amherst is not a class affair but an Intercollegiate one, and it will be greatly to our discredit if Institute men do not turn out in force to witness it. The sections assigned to other colleges promise to be well filled, and surely Technology men should not be the least enthusiastic over an affair held under Technology auspices and engineered by Technology enterprise. Nevertheless there is a tendency, on the part of some upper classmen, to look upon the contest as a Freshman affair not demanding their attention. Such an attitude is a mistaken one. The Drill has grown this year to a position of general importance, and in a corresponding degree public spirit and enthusiasm, on the part of both contestants and supporters, are demanded.

THE Institute Committee has hit upon what seems to be an excellent method of securing the publication of accurate Technology news in the general press. A sub-committee has prepared for a trial a bulletin of items of various sorts which is to be sent to the important daily and weekly journals throughout the country. Very many of the facts thus stated are, it is thought, of sufficient interest to ensure their clipping by newspapers. If this first bulletin proves a success, it is the plan of the faculty to arrange for the preparation of such

digests at stated intervals. Many plans for securing press representation for Technology have been proposed, and found impracticable. It seems, however, that the correct solution may have been reached at last. The subject is an important one, and the Institute Committee deserves great credit for its efforts.

THE Athletic Association needs money to pay the expenses of sending the Track Team to Worcester. After the good showing recently made by the relay racers, and in view of the fact that all our athletic hopes are now centered on the Worcester meet, it ought not to be necessary to urge upon the students the necessity for generous financial support. We trust then that the collectors of the Association will meet with a more ready response this year than at certain times in the past.

A DEPLORABLE feature of our life at the Institute is the comparatively small number of men who take part in the various class, and other, organizations. On first glancing at the rolls of the several societies, it would seem to any one that each had a fairly good membership; but closer inspection reveals the fact that the same names appear on almost every list and that there are a few men in each class who belong to a number of organizations, while the great majority take little or no interest in any of them. It is natural, perhaps, that men who are prominent in one such body should be elected to positions of honor and responsibility in others, for the experience gained in the management of one such affair is valuable for the rest, and it is a well known fact that when anything of importance is to be done, men who are really busy can always find more time than those who have nothing to do. This state of affairs, however, is unfortunate, especially in an institution like Technology, where a man's time is necessarily limited, and so heavy a burden is thrown on those

who manage the various enterprises that in many cases they must neglect each, more or less, for the others. It should be the aim of every student to take an active part in some one of the several organizations, and all might then flourish without the necessity for any man being overworked, and life at Technology would mean more than one continual grind.

THERE is now in the course of preparation an index for this, the fifteenth, volume of THE TECH, which will appear with the closing number, that of next week. We hope that this innovation will be appreciated by those men who care to keep their college paper as a memorial and record of undergraduate life.

WE regret to announce the resignation of Mr. E. A. Baldwin, '96, from the Editorial Board of THE TECH. Mr. Baldwin has given faithful and valuable work to the paper for over three years. He held the position of Assistant Editor in Chief from January to December, '95.

WE announce with pleasure the election of Mr. Morris Kinnard Trumbull, '97, and Mr. Harold Wellington Jones, '98, to the Board of Editors of THE TECH.

Calendar.

- Thursday, May 14: Meeting of the Society of Arts. Mr. Horace Lee of New York will read a paper on the "Recent Development of Large Freight Ships." Meeting of Geological Club in Room 14, Rogers, at 4.15 P. M. Organization Meeting of Boston English High School Club, Room 11, 4 P. M.
- Friday, May 15: Intercollegiate Drill, Technology, Brown, Harvard, Amherst, Mechanics Building, 7.30 P. M.
- Saturday, May 16: Meeting of Y. M. C. A.
- Tuesday, May 19: Meeting of Biological Society in Room 14, at 12 M.
- Wednesday, May 20: Annual Sophomore-Freshman Baseball Game.

A Child.



HANDSOME young fellow he was, with very black eyes and a rich, red spot on either cheek. His eyes seemed to have lost their sparkle, however, to-night, and looked strangely soft in the half light of the grate fire. Seated in an arm-chair opposite I listened attentively to the story of his disappointment, a story which I marveled at deeply. How Constance had happened to do it I could not understand. I had loved her in a brotherly way myself for a good many years, and had introduced little Bobby to her, imagining that nothing could be better for him. They had soon become close friends and finally, when Bobby told me of his love for her I believed I had good reasons for quieting him in any of his doubts, and telling him that if he loved her as hard as ever he might, I was sure that the love would be more than reciprocated. Of course she was older in many ways than he, but the protective, the maternal instinct in the woman seemed to have been stirred into active existence in the affection which she bore this boy. Therefore, when I had noticed in her during the last few weeks a fast-growing indifference toward him I was surprised beyond measure; and when I saw him receive the decided snub in the foyer of the theater from which she turned smiling to a big dark, Southern-looking fellow, I had gone home sick and sore at heart. To-night Bobby had spoken of his trouble for the first time, and although his manly young face looked sadly brave, his voice shook and trembled throughout the narration.

A long silence followed, in which his eyes watched the little blue jets of flame as they rose and fell among the darkly glowing coals in the grate.

Two weeks after our talk, was a dance, the great affair of the year at Bobby's college, which had been anticipated and looked

forward to for the year past. Bobby himself, as usher, came and went in the absent-minded, half stupid fashion with which his friends had been so annoyed for the past two weeks.

After entering and being presented to the matrons I had taken my stand in a place not far from the door, being more interested in watching the different faces, all unobserved, than in running about from this group to that. Suddenly my attention was called to the door by hearing the attendant acting as butler say, "I beg your pardon; I did not get your card of admittance." And the answer in a cool, well-bred voice, "I believe I overlooked bringing it." "Certainly; only you will kindly give me your name, please?" There was no answer for a moment, and by stepping forward slightly I could see for the first time the faces; they were the tall Southerner and Constance. She was a little pale at this unusual attention. When the answer came it was quite low, and neither that nor the butler's remark could I hear. Then I saw him look down the list which he held in his hand, and then quite distinctly heard him say, "It is very strange your name is not here." Stepping closer he said something which I did not hear, to which the Southerner answered. The butler's face took on rather a strange expression, but just as he was about to speak, I felt somebody brush by me and Bobby was at the door saying, "What do you mean, sir, by refusing admittance to these people who are first on my list of guests?"

I saw him an hour later, and then for the first time really comprehended what had happened. With colossal impudence Bobby's rival had come there to parade his success before Bobby and his friends, and had come without an invitation. Unfortunately for his plans the attendant had been given a list of the invited guests, and told to admit no one without a card of admittance; the affair was a large one, and the chief reason of this had been to keep out any under classmen who had not been especially invited.

A week after the Promenade my boat sailed from New York, and when Bobby turned his pale face away from me on the wharf so that I might not see the two big tears on his cheeks, my heart sank like lead, and I felt like a brute for going away and leaving him alone with his trouble. I had had a position offered me in the Argentine, and had accepted it through a contract, which I could not break now if I would. Besides, I thought the feeling I now had would wear off as soon as there was a mile or two of water between us. This in a measure proved to be true until the third day out, and then, Sunday, about four o'clock in the afternoon I had a feeling come over me that if giving twenty years off my life would land that boy safe and sound on board the good boat southward bound, I would never regret the gift. My feeling of anxiety increased daily. I thought of Bobby's sad face in the daytime, and in the night, in my sleep, I saw him in horrible dreams, in which he or his mother was always accusing me of neglecting a charge. I would laugh at myself at times, and call myself all kinds of a croaking idiot, but still the impression stayed with me that the only person who had ever succeeded in warming up my very rugged heart, in the prosaic grey existence I had led all my life, was in danger, was suffering.

There is little more to tell; the first papers I received upon landing, told of how Bobby had stopped a runaway; how he had been dragged for a block or more; how the weight on the bit had finally stopped the heavy trap horse; how several people had rushed to the spot and taken the unconscious woman from the seat, reassuring the jabbering, frightened fool in the bottom of the trap that the danger was over; and finally picked up the boy whose tight-locked hands still held the reins, only to find that he was dead.

No feeling of surprise or shock was in my heart, only a peculiar gladness that she must feel now his true worth, and must know all her life that she owes that life to him.

New Appointments.

We take great pleasure in congratulating those who are mentioned in the following Provisional List of new Appointments for 1896-97:—

Associate Professor C. Frank Allen, appointed Professor of Railroad Engineering.

Associate Professor A. E. Burton, appointed Professor of Topographical Engineering.

Associate Professor Dwight Porter, appointed Professor of Hydraulic Engineering.

Associate Professor Peter Schwamb, appointed Professor of Mechanism and Director of the Workshops.

Assistant Professor Linus Faunce, appointed Associate Professor of Drawing.

Mr. W. H. Lawrence, appointed Assistant Professor of Architecture.

Mr. A. G. Robbins, appointed Assistant Professor of Highway Engineering.

Dr. J. J. Skinner, appointed Assistant Professor of Mathematics.

Mr. G. H. Barton, appointed Assistant Professor of Geology.

WHEREAS the Almighty God in his divine providence has seen fit to remove from our midst, on April twenty-third, eighteen hundred and ninety-six, our esteemed classmate Parker Reed McLauthlin, be it

Resolved, That we, the Class of '99, do hereby express our great sorrow, and our heartfelt sympathy for the bereaved family. And be it further

Resolved, That we cause these resolutions to be entered in the minutes of the Class, to be published in THE TECH, and to be sent to his afflicted parents.

For the Class,

EDWARD HOSMER HAMMOND.

WALLACE FIELD GOODNOW.

CLARENCE RENSCHAW.

HERBERT DOUGLAS VANDERHOOF.

Technology Club.

At the first meeting of the Executive Committee of the Alumni Association for 1896, it was suggested that steps be taken to organize a club, open to officers and students, and former students, of the Institute, whether graduates or not. After some preliminary work by members of the committee, with a view to securing information in regard to houses available and expenses, and other details of club management, a meeting was called at the Institute February 14th, the following persons being invited: the President of the Institute, the Executive Committee of the Alumni Association, former Presidents, Vice Presidents, and Secretaries of the Association; members of the Committee on the School, Mr. Wigglesworth and Mr. Cabot, representing the Corporation; and Professor Dewey and Professor Sedgwick, representing the Faculty.

A second meeting was held at President Walker's house on Thursday, March 5th. Beside the gentlemen previously invited, Mr. Henry D. Bennett came to present information in regard to real estate, Professor Homer in regard to questions of remodeling, and Messrs. J. A. Rockwell, S. L. Howard, and G. A. Hutchinson, representing the undergraduates. The plans were again discussed in detail, and it was finally voted that a house be secured, if possible, on Newbury Street, facing the Institute, at a rent not far from \$2,000.

As the result of careful consideration and discussion on the part of a Committee, including President Walker and other members of the Faculty and Corporation, together with twenty-five to thirty former students of the Institute, articles of incorporation have been signed, by-laws adopted, and officers elected by the following persons: President Walker, Mr. Wigglesworth, Treasurer of the Corporation, Professors Sedgwick and Dewey, of the Faculty, and Messrs. R. H. Richards, '68, J. P. Tolman, '68, J. Malcolm Forbes, '68, E. K. Turner, '70, H. M. Howe, '71, E. W. Rollins, '71, C. F. Allen, '72, F. H. Williams, '73, E. C. Miller, '79, J. P. Munroe, '82, G. J. Foran, '83, H. D. Bennett, '84, A. L. Rotch, '84, H. W. Tyler, '84, A. D. Little, '85, A. T. Bradlee, '88, J. S. Newton, '88, Hollis French, '89, F. C. Blanchard, '91, A. D. Fuller, '95.

The object of the club, as stated in the by-laws, is "to provide and maintain a suitable place for reading rooms, libraries, and for social meetings of its members, and to promote the welfare of the Massachusetts

Institute of Technology and the common social interests of its past and present officers and students."

The following statement is quoted from a preliminary circular issued by the Executive Committee of the Alumni Association in connection with a call for the first meeting:—

"One of the greatest needs, perhaps the greatest, of the Institute to-day is not pecuniary endowment, not greater strength or wisdom in its Faculty or its Corporation, but the earnest, active, persistent interest of its past students. On them its future must more and more depend, not only for material support, but for all the essentials of vigorous life.

"The absence of dormitories and 'commons,' the extreme subdivision of the classes, the difficulties in the way of social life among the undergraduates, and the wide scattering of the men after graduation, all tend to prevent the formation and continuance of that 'college spirit,' which has, when rightly applied, a very important influence upon the prosperity and standing of higher institutions for education.

"The Committee believe that this condition is by no means to be accepted, but that it demands a remedy. After serious consideration they are convinced that the most effective remedy, the best means to arouse her students to a sense of their obligations toward the M. I. T., and to inspire them with an interest in the school and a feeling of fellowship toward one another, is to organize a social club which shall be open to past and present students and officers of the Institute with as little restriction as possible, shall be attractive and convenient, though simple, and shall offer a place for social meetings and purposes of all sorts.

"The general plan of the Committee is that a suitable building not far from the Institute be purchased or rented, and fitted for the use of the club as soon as the support of a sufficient number of past and present students is assured."

Since the circular just quoted was issued, the Committee have been so fortunate as to secure a house on Newbury Street, in an exceedingly favorable location, facing the open space between the Rogers Building and the Natural History Building. This will be ready for use as the Club House by October 1st.

This circular will be mailed, so far as practicable, to all persons eligible for membership, with the hope that applications will be returned in such numbers as to insure the immediate success of the club.

For members joining before the first annual meeting the initiation fee is \$5, and for those joining later \$10,

except for undergraduates and non-resident members. The dues for non-resident and undergraduate members shall be \$6 per annum.

The Officers of the Technology Club:—

President, J. P. Munroe, '82.

Vice President, H. M. Howe, '71.

Secretary, C. F. Allen, '72.

Treasurer, E. C. Miller, '79.

Membership Committee: A. T. Bradlee, '88, E. W. Rollins, '71, D. R. Dewey, A. D. Little, '85, A. D. Fuller, '95.

House Committee: W. T. Sedgwick, H. D. Bennett, '84, E. V. French, '89.

Executive Committee will then include: J. P. Munroe, '82, C. F. Allen, '72, H. W. Tyler, '84, H. M. Howe, '71, E. C. Miller, '79, W. T. Sedgwick.

Schedule of Annual Examinations.

REGULAR exercises are suspended, for the third and fourth years, after Saturday, May 23d; for the second year, after Wednesday, May 27th; for the first year, after Friday, May 29th.

This schedule is subject to correction by the official bulletin which will be posted later.

Monday, May 25th.—Hydraulics* (4), 9 A. M.; Business Law (3, 4), 2 P. M.

Tuesday, May 26th.—Analyt. Mech. (4), 9 A. M.; Dyn. Testing, Wiring (4), 9 A. M.; Eng. Lit. (4), 2 P. M.; Hydraulic Eng. (4), 9 A. M.; Micros. Anat. (4), 9 A. M.; Heat and Vent.* (4), 9 A. M.; Pol. Econ. and Ind. Hist. (3, 4), 2 P. M.; Physics* (3), 9 A. M.; Pol. Econ.† (3), 2 P. M.

Wednesday, May 27th.—Applied Mech. (3), 9 A. M.; Electrical Eng. (4), 9 A. M.; Electro-Chemistry (4), 9 A. M.; Structures, A (4), 9 A. M.; Hist. of Renaissance (3, 4), 2 P. M.; Theoret. Chem. (3, 4), 9 A. M.; Applied Mech. (3), 9 A. M.

Thursday, May 28th.—Dynamo Design (4), 2 P. M.; Hydraulic Mach. (4), 9 A. M.; Mach. and Motors (4), 9 A. M.; Periodic Currents* (4), 9 A. M.; Steam Engineering* (4), 9 A. M.; Anal. Chem. (3, 4), 9 A. M.; History of Commerce (3, 4), 2 P. M.; Arch. Hist.* (3), 9 A. M.; Stereot.* (3), 9 A. M.

Friday, May 29th.—Hydraulic Motors (4), 9 A. M.; Mining Eng. (4), 9 A. M.; Naval Arch. (4), 9 A. M.; Organic Chem. (4), 9 A. M.; Periodic Currents (4), 9 A. M.; R. R. Eng. (4), 9 A. M.; Theoret. Biol. (4),

9 A. M.; Water and Sewage (4), 2 P. M.; Arch. Hist. (3), 9 A. M.; Geology, Strat. (3), 2 P. M.; Geology, Hist. (3), 2 P. M.; Steam Eng. (3), 9 A. M.; Physics (2), 9 A. M.

Monday, June 1st.—Comp. Physiol. (4), 9 A. M.; Gas Analysis (4), 2 P. M.; Hist. of Philos. (4), 2 P. M.; Locomotive Eng. (4), 9 A. M.; Marine Eng. (4), 9 A. M.; Mill Eng. (4), 9 A. M.; Metallurgy (4), 9 A. M.; Structures, B (4), 9 A. M.; Tech. Mach. (4), 9 A. M.; Elect. Eng.* (4), 9 A. M.; Elect. Meas. (3), 9 A. M.; Elect. Meas. Inst. (3), 9 A. M.; R. R. Eng. (3), 9 A. M.; Surveying Inst. (3), 2 P. M.; Eng. Lit. (2, 3), 2 P. M.; Acoust.* (2), 9 A. M.; Analyt. Geom. (1), 9 A. M.

Tuesday, June 2d.—Diff. Equat. (4), 9 A. M.; Geodesy (4), 9 A. M.; Sanitary Biol. (4), 9 A. M.; Met. of Iron* (4), 2 P. M.; Mining Eng. (3), 9 A. M.; Naval Arch. (3), 9 A. M.; Organic Chem. (3), 9 A. M.; Structures (3), 9 A. M.; Organic Chem.* (3), 2 P. M.; Theo. Elect.* (3), 2 P. M.; Mechanism (2), 9 A. M.; Physical Geog. (2), 2 P. M.; English* (1), 2 P. M.

Wednesday, June 3d.—Electro-Motors (4), 9 A. M.; App. Mech.* (4), 9 A. M.; Astron.* (4), 9 A. M.; Least Squares* (4), 9 A. M.; Physiol. and Hyg.* (4), 9 A. M.; Anal. Mech. (3), 9 A. M.; Sanitary Chem. (3), 9 A. M.; App. Mech.* (3), 9 A. M.; Grav. Anal. (2, 3), 9 A. M.; Anal. Chem. (2, XI.), 9 A. M.; Pol. Hist. (2), 2 P. M.; Desc. Geom.* (2), 2 P. M.; Gen. Biol.* (2), 2 P. M.; Pol. Hist. (1), 2 P. M.

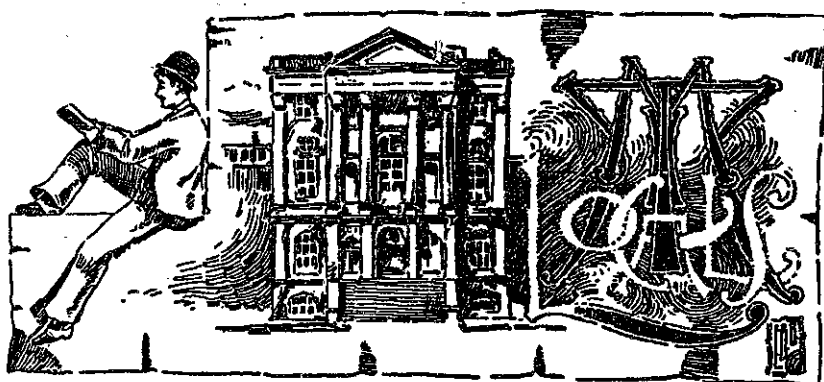
Thursday, June 4th.—Phys. Lab.* (4), 9 A. M.; Comp. Anat. (3), 9 A. M.; Indust. Chem. (3), 9 A. M.; Surveying (3), 9 A. M.; Theoret. Elect. (3), 9 A. M.; Amer. Hist.* (2, 3), 2 P. M.; Anal. Chem.* (2, 3), 9 A. M.; Phys. Meas. (2), 9 A. M.; Zoölogy (2), 2 P. M.; Astron.* (2), 9 A. M.; Eng. Lit.* (2), 2 P. M.; Military Science (1), 2 P. M.; Solid Geom. (1), 9 A. M.

Friday, June 5th.—Calculus, Adv. (3), 9 A. M.; Highway Eng. (3), 9 A. M.; Sociology (3), 9 A. M.; Int. Calculus* (3), 2 P. M.; Vol. Anal. (2, 3), 9 A. M.; Determinants (2), 9 A. M.; Mechanism* (2), 2 P. M.; Chemistry* (1), 9 A. M.

Saturday, June 6th.—Solid Anal. Geom. (3), 9 A. M.; Assaying (3), 9 A. M.; Crypt. Botany (3), 9 A. M.; R. R. Eng.* (3), 9 A. M.; Valve Gears* (3), 9 A. M.; Gen. Biol. (2), 9 A. M.; Gen. Botany (2), 9 A. M.; Theoret. Elect. (2), 9 A. M.; Diff. Calc.* (2), 2 P. M.; Algebra* (1), 9 A. M.

* For conditioned students only.

† Regular and condition examination.



The Technology Chicago Club will hold a dinner in Chicago the last week in June.

Mr. Truman H. Bartlett has been giving a course of lectures, illustrated with the stereopticon, weekly, in the Architectural building. His subject has been French Sculptors and their work.

“What is the matter with H——? He was at a lecture last hour, but hasn’t turned up yet.” “Oh, he’s stuck to one of the seats over in Huntington, and has to wait till the weather changes to get off.”

A meeting of all graduates of the Boston English High School, now at the Institute, has been called for this afternoon in Room 11. The object of the meeting is the formation of an English High School Club.

A plan is on foot for an Associated Athletic Club at Riverside, on the banks of the Charles River. A considerable extent of territory is to be devoted to various outdoor sports, and \$500,000 has been appropriated for the purpose. The organization is an “Association of Clubs,” and it is proposed to start with ten.

Several of the seniors and post-graduates in Course IV. are working hard on the Roman and Rotch traveling scholarships. The exhibition room is again as crowded as a month ago when the boys were competing for the Beaux Arts. Bourne, Chamberlain, Loring, and Pulsifer are competing for the Roman, and Pulsifer also for the Rotch.

Some important changes in the rules governing the award of the degree of Master of Science have been recently made by the

Faculty. A candidate for this degree may now offer either more advanced work in his own department, or undergraduate professional work of an allied department, even though all of his subjects are not of the latter class. A special circular on the subject can be obtained at the Secretary’s office.

Mr. S. C. Keith, Jr., ’93, Instructor in Biology, has resigned his position at the Institute, and accepted a position as Bacteriologist to one of the largest firms engaged in the cultivation of butter bacteria for the supply of creameries. Hundreds of creameries are regularly using cultures of bacteria to ripen their cream, and the cultivation of the bacteria required to supply their demands is one of the latest and most remarkable developments of practical biology.

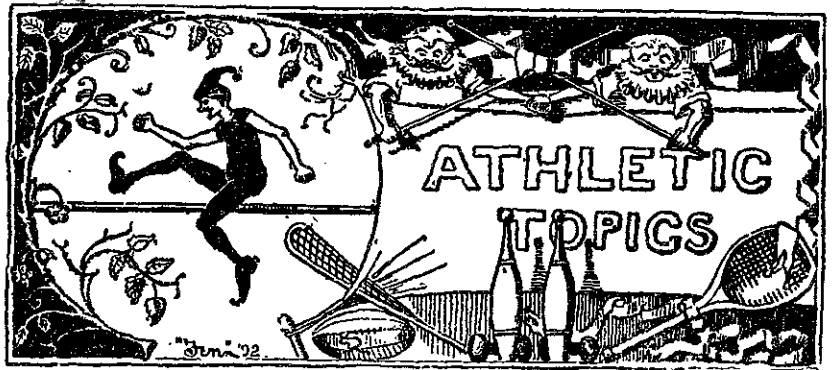
At the extra drill held on Friday, the 8th, the cadet corps was addressed by President Walker. He expressed a desire that in the coming contest the men should exhibit the spirit of manliness, thoroughness, and perseverance which characterizes the Institute in general. He hoped that the foresight and enthusiasm which had been displayed in arranging the affair would result in a victory for the battalion and for Technology. His words of encouragement and advice were greeted by three cheers from the cadets.

For the series of tidal measurements which are to be made by the Course I. ’97 men at the Summer School in Civil Engineering, Mr. Robbins has designed some special apparatus in the line of water gauges. The object is to obtain readily the average height of the water, whereby the rise of tide can be measured, whether the surface of the water is smooth or rough. The school is to be located this year at Machias, Me., where, within a small radius, are provided ample opportunities for the various classes of work. Points established by the Coast Survey are near, so that the Coast Survey lines can be extended by our party, and at the same time

be used to check the base line measurements to be made by the latter. Eight men, a convenient number, have signified their intention to take the course.

The mining laboratory has lately received a new set of apparatus for testing the best condition of separating, mechanically, the finer sizes of ore from refuse. It consists of two parts: the first is a vertical tube in which particles of ore and refuse having equal settling velocities in water are placed together. The second is a ground glass surface or table, furnished with a flowing film of water of any desired thickness, the surface being set at any angle of slope. The above mentioned equal settling grains consist of larger particles of the refuse, and smaller of the heavy mineral. When these are put upon the sloping surface, the larger grains roll off and the smaller heavier grains remain. The conditions of rate of settling, angle of slope, and quantity can be accurately studied by this new apparatus, the first of its kind, which was designed especially for the mining laboratory.

The annual election of officers of the Civil Engineering Society took place at the last regular meeting on the evening of Monday, May 4th. L. S. Cowles, '97, was elected president; J. E. Carty, '97, vice president; J. F. Sickman, '98, secretary, and W. R. Strickland, '98, treasurer. The committees appointed were: Executive,—Messrs. Sherman, Stouder, and Wadsworth: Programme,—Babson, Clark, Carty, Frank, and Thayer. The paper of the evening was read by J. B. Stouder, '97, the subject being "Topographical Surveying on the Lower Mississippi." Mr. Stouder's recent experience in this work enabled him to present the situation in a clear and interesting manner. All those familiar with the regions about the Lower Mississippi are acquainted with the difficulties of confining the waters of this great river within safe limits, so, to have the methods of proceeding on a survey in this country, is most valuable.



The Yale 'Varsity Crew has been invited to row in the Hamburg Regatta.

The annual class championship games will not be held Monday, the 18th.

Ninety-eight played Groton School at Groton, May 6th, and won by the score 16-14.

Ninety-eight won from the Cambridge High and Latin School, on Monday, by the score 19-8.

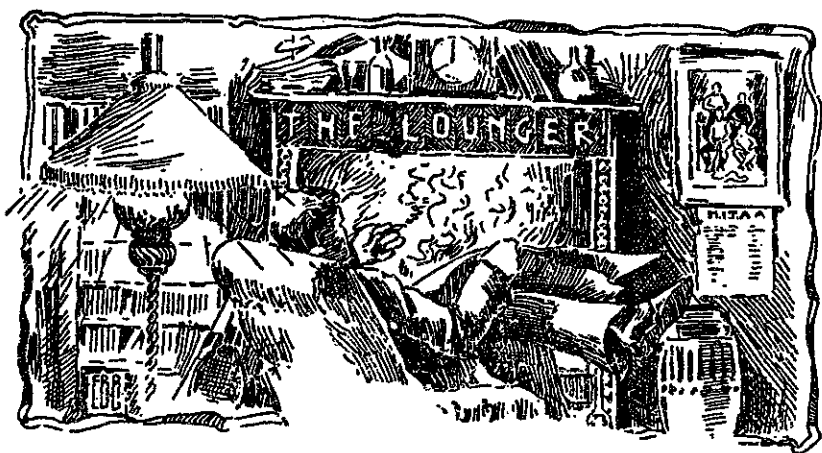
Mr. Graham has returned from Athens, and will take charge of the Track Team again this spring.

Ninety-eight won the game with Brookline High School on Brookline Common, May 4th, by five runs to three.

H. P. Cross, Yale's hammer thrower, recently broke the intercollegiate record in practice. His throw was 143 feet, which is very near the world's record.

At the Harvard Athletic meet last Saturday our relay team ran against Yale and Brown. Yale led all the way and our men defeated Brown by a close margin and came in second. F. H. Lathrop, M. I. T., '99, came in second in the eight-eighty yard run, with a handicap of fifty yards.

The Roxbury High School defeated the Freshman team May 1 at Franklin Park, by a score of 12-10. Ninety-nine excelled at the bat and the Roxbury team in the field. The make-up of the Freshman team is as follows: Vogt, short stop; Johnson, first base; Sterrill, third base; Holabird, second base; Copp, catcher; Keys, pitcher; Davis, right field; Herne, center field; Harwood, left field.



APROPOS of the subject of Varsity sweaters broached last week, the custom of allowing those who have striven with particular fervor and success for their college to distinguish themselves by some appropriate emblem of the Institution, is one which might well be extended beyond the domain of the cinder track. Suppose every man who distinguished himself in architectural competitions, in literature, in public speaking, or in the struggles of amateur politics were allowed to wear a pin or a bit of ribbon, would not an additional incentive to effort thus be furnished? Such trinkets are prized by the human mind, as is shown by the fact that so many Freshmen always appear garnished with the Tech. Pin, although such ornaments are in most colleges relegated to the use of charming "cousins," and worn by the students only when away from their native institution.

The Lounger in perusing the expressive countenances of his many friends in the various walks of Institute life notices of late a curious hopeful, and yet doubtful expression, betokening the near approach of some important crisis. Such a crisis, indeed, is almost upon us. Only a half-moon has now to climb wearily the dark pathway of the abysmal skies (the poem in which this phrase originally occurred has been rejected by the principal magazines of this country and Europe, so the Lounger works it in here), before a transformation will come over all of us, except a few faithful ones whose modesty forbids the publication of their names and titles. The gay and thoughtless, but warlike, Freshman will ere long supplant the wily, the vinous, the public-spirited, the all-accomplished Sophomore, while the latter will assume the mien of authority, the air of grave but genial command characteristic of that lordly creature called by the disrespectful catalogue a third-year student. The son of '97 will withdraw to a slight extent from that active and generous participation in Institute affairs which

has always been one of the fixed features of his policy, and will seek solace in the measurement of craniums and counties, in the disassociation of ethers and dogs, in the construction of valve-gears and municipal buildings.

As for the merry sons of '96 it seems almost inconceivable that they are really to be lost to us. The Lounger remembers distinctly his kindly greeting to this class at their entrance upon the stormy pathway of Technology life, nearly four years ago. Little did he think at that time that he should be here to speed them on their P. G. way.

An eventful and distinguished history has our present Senior aggregation enjoyed. In No. 1 of Vol. XII. of THE TECH, after the query, "Are you with us '96?" is the remark, "If '96 continues as she has begun, we are to have a worthy substitute for '92. It seems as though the black and crimson were to adorn another excellent class;" and later on, "Technology is fortunate in her entering class. Besides being a large one, it contains some excellent athletic material. Perhaps the best known individual is Ben Hurd, Jr., whose record in the 100-yards is $10\frac{2}{5}$, and who has made the 120-yard high hurdle in $17\frac{1}{5}$ seconds. That points to future record breaking at Tech." Oh, sapient, local writer! Oh, far-seeing prophet! Truly your predictions have been verified. The athletic and social laurels of '96 have been unnumbered, and, except in the matter of class-day elections, her conduct in all ways commendable. And that same Ben Hurd. Have we not heard of him, the "best known individual," also? Verily no class has for a long time exceeded '96 in public spirit and enthusiasm for Technology. May her members ever carry with them the same energy and the same love for Alma Mater. And may they manifest the same by subscribing to THE TECH.

The Lounger himself is still in a condition of suspense as to his own future. Each year he has hopes, mild and chastened hopes, of graduation, which are always disappointed. He does not as yet know whether such is to be the case this year or not. Before next week he expects to hear definitely, and will then inform his anxious readers in the lower classes whether they must dispense with his generous tutelage or not. He thinks in his inmost soul, however, that they will not need to steel themselves against this sad parting as yet.



My King.

My love is dead, but lives again,
 For, like the king, it never dies;
 "The King is dead," the herald cries,
 "Long live the king," his next refrain.
 The old love joins the ghostly train
 That to the Past in silence flies,
 But, like the king, it never dies.
 My love is dead! but lives again.

Oh!

The place of places for a rest
 (Escaped from earthly woes)
 Can but be found, when found at best,
 Here right beneath your nose!
 Not even Paradise can give
 Of loafing such a store,
 Less could annihilation's self
 Of resting give us more!
 Good reader, take a friend's advice,
 You'd better read this rhyme through twice!

P. S.

Not guessing where this "Rest" may be,
 Initial letters read and see
 That you must quite agree with me!

AS IT ONCE WAS.

I will sing you a song of a wonderful land,
 Far over the deep rolling sea;
 Where the girls have no fads, but are sweet and shy,
 Just as folks say they used to be.
 Oh! to be in that land of joy, and serene
 Far athwart the bounding main;
 I would choose me a girl with never a fad,
 And I'd never come back again.
 Of the bicycle craze they know nothing at all,
 In that distant delectable land;
 Of the new woman fad they have not even heard—
 May the light we have never expand.
 Oh! to be in that land for a single hour,
 A land of delight it must be;
 Where once a woman, always a woman,
 And a girl is a girl, don't you see?

—Exeter Monthly.

GERMAN II.

In the German, oh, Professor,
 When our wits are dim and low,
 And the shadows on our mem'ries
 Seem so dense they ne'er will go;
 When our understandings fail us,
 Causing us such untold woe,
 Will you think of us as being
 Where *you* were long years ago?

In the German, oh, Professor,
 Think of us not bitterly,
 Though our papers "pass" so poorly,
 And from markings ne'er are free.
 Oh, our hearts are filled with longings
 For success that cannot be!
 Can we master Deutsch constructions
 In the dim Eternity?

—University Chronicle.

ODE TO AN OLD CHAFING DISH.

Old chafing dish I'll ne'er forget
 The evenings we've together spent,
 When you had all your newness yet
 And were not tarnished, cracked or bent.

A party of, perhaps, three or four,
 To work each one most quickly got,
 And cooking's secrets did explore,
 To make a rabbit piping hot.

But now old chafing dish I see
 That you and I must say good-by;
 I grieve your ending thus should be,
 But you are broke and so am I.

—Yale Record.

TO ONE I LOVE.

"To One I Love,"—ah, that would be
 A title fit for an epic grand,
 A song of a maid who is dear to me,
 Whose slightest wish can my will command.

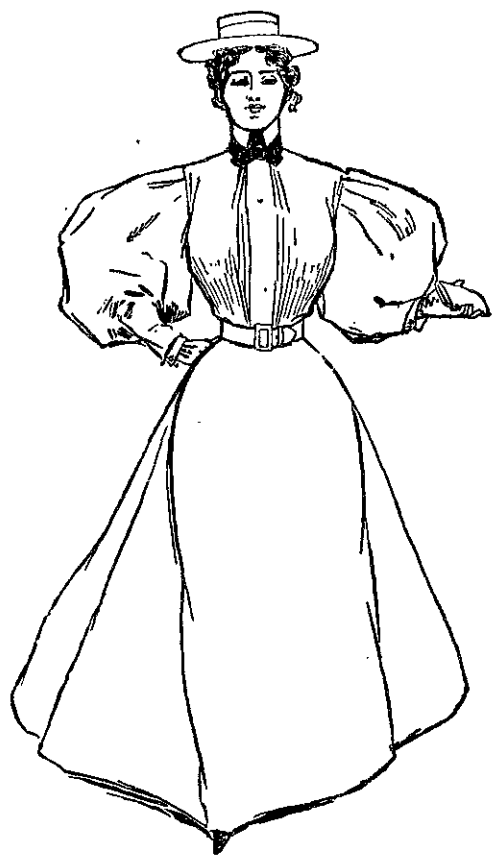
I'd sing of her eyes and flowing hair,
 Dilate on the beauties of her face,
 Rave o'er her figure of mould so fair
 And her every motion of perfect grace.

All this I'd do—and I think I could—
 Counting the time spent on it blest,
 But—"To One I Love," don't you think it would
 Tend to queer me a little with the rest?

—The Yale Record.

Said A to B, "ICUR
 Inclined to BAJ."
 Said B, "Your wit my worthy friend
 Shows signs of sad DK."

—Yale Courant.



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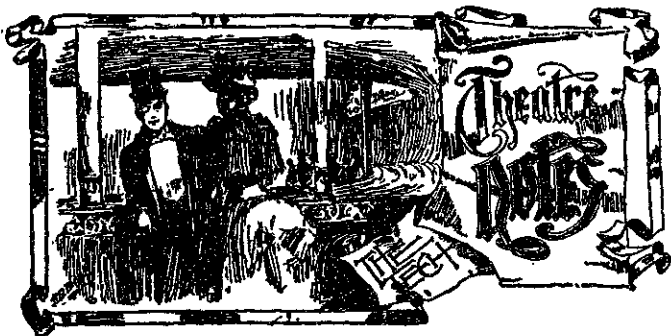
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Week beginning May 18, 1896.

Tremont Theatre.—Saturday, May 16th, closes the regular season at the Tremont Theatre. The summer season, under Mr. Harry Askin, will open May 25th with "The Merry-go-Round," by R. A. Barnet.

Castle Square Theatre.—If you want to be entertained in a delightful, cool, summery way, go to the Castle Square Theatre. There is always a charming opera to hear, while you are made comfortable by cool breezes wafted from electric fans. And then a stroll about the foyer during intermissions, listening to the tinkling melodies from the Boston Ideal Banjo and Mandolin Club.

Boston Theatre.—"Shore Acres" is having a deservedly successful run at the Boston Theatre. It is a charming New England story, and Mr. Herne and his very excellent supporting company have succeeded in capturing the hearts of the audiences which nightly crowd the house.

Park Theatre.—"The Village Postmaster" is drawing crowded houses at the Park Theatre. The pictures of village life in this play make it most interesting, and plays of this character always touch a responsive chord in the hearts of American people.

Hollis Street Theatre.—The engagement of "The Sporting Duchess" will certainly have to be extended in order to give everybody a chance, as crowds are nightly standing in line waiting in vain to get seats, and standing room is at a premium. This gay *fin de siecle* play has taken the town by storm. It certainly is a tremendously fascinating play and no one should fail to see it.

Boston Museum.—A very great pleasure is in store for the patrons of the Boston Museum on Monday, May 18th, when Alexander Salvini opens his engagement with "Othello." This will be of particular interest to all those who have seen his father in that famous character. The young man has already won a name for himself, and a host of ardent admirers will give him a hearty welcome.

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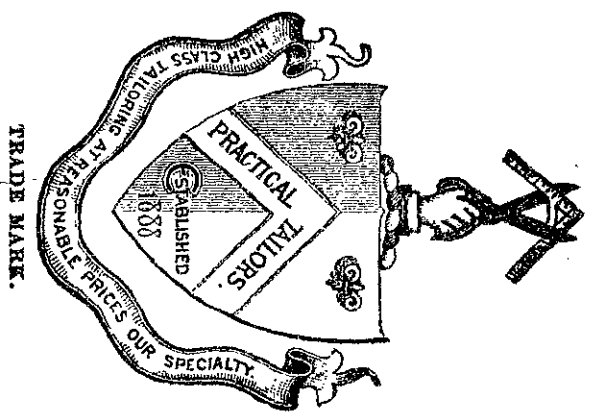
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