

# THE TECH

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## THE TECH

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*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.*

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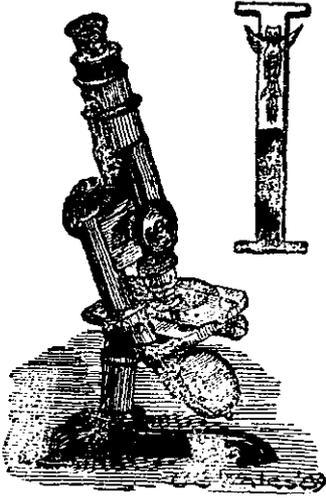


IN its official capacity of protector of student interests the Institute Committee has recently, in at least two instances, been not above criticism. The first of these was its action in connection with the long-talked-of trophy room. It has, for several years, been one of the chief aims of the Committee to secure a trophy room for the Institute, but the crowded state of the various buildings made it impossible of attainment. But since the commencement of the new building a room was offered the Committee. It is true certain conditions were imposed that prevented the complete realization of the original plan, although it could have been carried out in its essential points. Yet when it came to the point of actually starting a trophy

room the Committee changed its attitude completely, and decided that the matter more properly belonged to the Athletic Association, and so, almost without discussion, the subject was laid on the table. The second instance is in the action taken in regard to the bulletin boards in Rogers. It was intended to replace the various small boards by a single large blackboard. However, no objection was raised when the Institute replaced them by the three slates now in use. These are awkward to use, hardly adequate for the usual notices, and so widely separated that notices are easily overlooked. The Institute Committee should appreciate the fact that such subjects as the preceding should be discussed thoroughly, and in taking any action the wishes of the undergraduate body should be given due consideration.



THE TECH is pleased to see such an interest as is being shown by the sale of seats in the annual concert of the musical clubs. Not only will those purchasing tickets have the pleasure of a very enjoyable concert and dance, but they will also aid materially the future prospects of the clubs and further the interest of the Athletic Association, for the proceeds of the concert are to be devoted to that worthy object. The concert promises to be the best one that has yet been given at Tech., and the dance will probably be the first of a series. The affair is being conducted with great care, and dance tickets are issued only by invitation. If there be any who have not yet procured their seats they should do so at once, as the floor is nearly sold out.



It is an unfortunate fact that at Technology we have not the college spirit or the love for Alma Mater which exists in almost every college. There is one thing, however, upon which we can pride ourselves, and that is the rapid disappearance of class disputes.

True enough, in past years there have been bitter conflicts between the Freshmen and Sophomores; but out of regard for the words of President Walker in the fall of '96, and through respect for his memory in the fall of '97, the Sophomores allowed the Freshmen to organize without molestation.

The Freshmen showed an uncalled-for hesitancy in making public the date of their class dinner. They unnecessarily feared that 1900 would try to interfere with their arrangements, but, it is needless to say, their fears were without foundation in fact.

This disappearance of class antagonism bodes well for the future of Technology. Within the past year we have shown that a college spirit does exist; it only needs to be aroused. With class disputes a thing of the past, all our energies can be thrown to the Institute as a whole, and then may we hope to see Technology take her proper place among other colleges.

#### Under the Mistletoe.

*He, afterwards.*

She stood beneath the mistletoe,  
Wild thoughts flashed through my brain;  
I gazed upon those ruby lips,  
But could not them profane.

*She, afterwards.*

How long I stood 'neath that old bough  
I'm sure I do not know,  
But this one thing I have found out,—  
That fellow's too dead slow.

H. C.

#### Summer School in Shopwork.

BEGINNING June 8th, a summer school in woodwork, forging, chipping and filing, and machine tool work will be given at the Institute. These courses give students a chance to make up deficiencies, but still better to anticipate regular shopwork. These courses were only started in 1896, and for two summers the attendance has been large, which warrants their continuance, and shows the desire to take advantage of such an opportunity. They are given at a time when students are through with regular studies, and can devote their whole time to the work, and instead of being exacting, they have proved to be enjoyable. The time devoted to the work is six hours a day for five days in the week, and continues for five weeks. The completion of any of these courses will relieve a student from a full year's work.

These courses also present an excellent opportunity for students taking courses that do not require shopwork, or who only have a small amount to get practical instruction in the Mechanic Arts, which is considered a very valuable adjunct to the theoretical treatment of professional subjects. Carlyle says, "Man without tools is nothing; with tools all." As the exercises and problems are highly educational, a student in a few short weeks may acquire a direct knowledge of the nature of materials and tools, and considerable skill in their use. It would take a number of years in regular shop or factory practice to acquire an amount of mechanical knowledge equal to that given in these brief but systematic courses. Summer school circulars may be obtained at the Secretary's office.

If April showers bring May flowers,  
As ancient precepts say,  
That April showers may bring flowers,  
Pray God it rain to-day.

G. M. R.

### The Surprise at St. Andrews.

ST. ANDREW'S had achieved an agreeable notoriety for its singing, and the choir had gained such distinction under its new leader, that at Christmas, Easter, and other special services the little church was always filled to its greatest capacity. It was the habit of the leader to plan some little surprises now and then for the aristocratic little circle that composed the congregation of St. Andrew's; once it had been a lady singer from a neighboring city, who sang contralto with such volume that she eclipsed the basses; again it was a small boy whose clear voice charmed and delighted that select audience.

The parishioners of St. Andrew's could well afford these little surprises; they were mostly bankers, retired business men, and well-to-do merchants, who paid their \$500 per annum, and expected something interesting in return.

It had somehow leaked out (though the leader's wife was sure she had told but one other woman) that the attraction for the coming Easter Sunday was a noted lady singer from abroad, who had won tumultuous applause from the music-loving world at Berlin and Paris. She was to sing that grand production of Benton's, "The Confession," and this, with the addition of five new singers in the choir, had so aroused the interest of the community that on Easter morning the little church was crowded in aisles, vestibules, and stairways.

After the usual opening selection by the full choir, and the prayer, the new singer rose and all eyes were immediately fixed upon her. The organ sounded soft and low, playing the first few bars of the interlude, then the singer began. She was hardly through the first line, however, when she was joined by another voice, a voice which came from the gallery opposite the choir. The singer from Berlin stopped, surprised and indignant, and looked across to see who had dared make this interruption. She saw a woman with pale, thin face, but glorious brown eyes, standing

in the front row in the gallery, her hand clasped on the rail and her eyes fixed on the ceiling above.

Her voice, which was at first soft and low, swelled and strengthened till it filled the church with a melody pure as the notes of a bird; it rose and fell with the cadences of the music like a boat lapped to and fro by a gentle tide. The audience, forgetful of dignity or decorum, turned in their seats and gazed with rapture at the singer pouring forth such notes of liquid sweetness. But when it came to the words, "But as I am, O God, forgive and take me back," the voice sank to a tone tender and pleading as a young mother soothing her firstborn.

It seemed more like a thing divine than like a human voice as it rose, now almost drowning the organ, now falling till it was little more than a whisper, but every note penetrating to the farthest corner of the church. The sexton, who had at first started to silence this disturber, stood beside her with bowed head as if in the presence of a saint.

But she seemed unconscious of them all, her eyes were fixed on the brass crucifix above, from which the eyes of the dying Saviour looked down as if in pity on the face upturned to him. She must have read that look of pity and forgiveness, for when she sang the last words there was a smile upon her lips as if she saw beyond the stained glass and frescoping of the ceiling, saw and read her pardon.

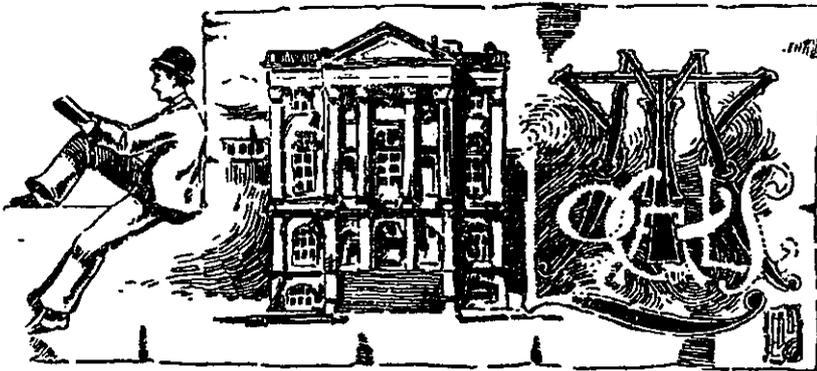
She stopped and all was still. Back in the corner a woman sobbed, and as the organ sounded for the second verse there were many eyes from which tears were streaming. The second interlude was played but no voice came to the listening audience.

Suddenly there was a commotion in the gallery; the singer, who had remained standing, her eyes fixed on the cross above, had swayed and fallen. There were many willing hands to bear her out into the sunlight, but though the beautiful brown eyes were still open, and the smile still upon her lips, there

was no consciousness in the look, and no life in the frail, worn body. Like the swan of fable which, wounded by the sportsman, even in its last breath sang a dying song, so had she, stricken with death, poured forth her life in one last rapturous song.

Who she was, what her life had been, no one could tell, but had it been left for the little congregation at St. Andrew's to act as judge and jury upon earth, those who saw her face as she gazed on the dying Christ would have acquitted her, no matter what her life had been, as one who sang herself out of the depths of sin and degradation into the gates beyond.

H. O. C.



The Sophomore engineers will finish gearing next week.

The Glee, Mandolin, and Banjo Clubs gave a concert in Winthrop last Saturday evening.

Circulars giving full information about the '98 Summer School may be obtained at the Secretary's office.

The Emery testing machine, after being thoroughly repaired, is again in place in the Engineering Laboratory.

A copy of "Europe in the Middle Ages" is missing from the Architectural Library. It should be returned at once.

The Architectural Society offers a prize of five dollars for a cover design for the '98 Catalogue of Premiated Drawings; all drawings must be handed to M. S. Richmond, '99, before May 1st.

The necessary apparatus for testing locomotive brake shoes and axles is now in place on the lower floor of the Laboratory of Applied Mechanics.

Two or three prominent Course II. upper classmen intend to visit the motor-cycle department of the Pope Manufacturing Company, at Hartford, at some time next week.

Amherst Agricultural College has accepted the challenge sent by the Freshman Committee, on Exhibition Drill, and it is hoped that Brown will also accept. The Drill will be held in the South Armory this year.

The parts for the French play were assigned, temporarily, on Wednesday, the 6th. The first reading will take place next Saturday, the 16th, at the Bernard Phonological School, 175 Tremont Street, at 2.30 P. M.

The Technology Yacht Club has just issued to its members a book containing the club flags, a list of the yachts enrolled, the constitution, racing rules, and list of members. It is neatly bound in gray, with red lettering.

A party of Tech. men, chiefly Courses II. and XIII., will spend a large portion of the spring vacation at Gloucester and Marblehead, looking over the yacht and other ship yards, and visiting numerous vessels in those ports.

At the last meeting of the Institute Committee it was decided to have the slates in Rogers corridor divided into nine compartments, and to restrict the use of the small bulletin boards. The subject of the protection of the bicycles left in the bicycle racks will be taken up at the next meeting.

Applications for all, except state, scholarships, should be made not later than May 1st, on blanks, which may be obtained at the Secretary's office. These blanks, when filled out, should be handed to Professor Dewey. Students wishing to apply for a state scholarship should consult the Secretary of State Board of Education, at the State House.

The attendance at the shoot of the Gun Club Saturday was small, but several good scores were made. S. B. Miller scored 23 out of 25.

In order to defray the expenses of the Class-day Exercises, the '98 Executive Committee have decided to levy an assessment of \$5.00 upon the Class.

The next regular meeting of the Society of Arts will be held at the Institute on Thursday, April 14th, at 8 P. M. Mr. S. A. Reed, of New York, will present a paper on "Fireproof Construction."

The members of Die Gesellschaft are to commence reading a German play, entitled "Der Neffe Oukel," at the meeting of the Society on Friday. Parts have been assigned to the various members.

The problem for the third-year architects, "A Loggia," is now finished, and the instructors consider the drawings the best work ever done by Juniors. The following men received first mention: J. Stone, Jr., F. A. Werner, M. H. Smith, E. T. Stewart, F. L. Lacaff, H. H. Hewitt, A. W. McCrea, and F. O. Clapp.

At the meeting Monday the 1900 Electoral Committee finished their work by electing Schneller and Leonard statisticians. The 1900 "Technique" Board, therefore, is now composed as follows: Associate Editors, Barney and Stewart; Business Manager, Belknap; Assistant Business Manager, Gauss; Society Editor, Rapp; Athletic Editor, McMasters; Statisticians, Schneller and Leonard.

Saturday evening, April 9th, the Civil Engineering Society held their first annual dinner at the Castle Square Hotel. It was a great success, and they will undoubtedly be held regularly hereafter. Mr. Sherman, '98, President, introduced Mr. Strickland, '98, as the toastmaster. The toasts were as follows: "Reminiscences in New Mexico," by Professor Allen; "Summer Schools," by Professor Robbins; "Some After-dinner Thoughts in

Hydraulics," by Professor Porter; and "The Draughtsman and Surveyor," by Professor Burton. Music was furnished by Mr. Stefens, '98, and his friends, Dr. Shuebruk, his son, and Mr. Bissell. The evening was finished by all singing "America," and then a silent toast—toast to our country, whether peace or war—"Our Country."

### Technology Calendar.

*Thursday, April 14.*—Glee Club rehearsal. Huntington Hall, 1 P. M. M. I. T., 1900, vs. Brookline High, in Brookline, at 3 P. M.

*Friday, April 15.*—Mandolin Club rehearsal, Room 36, R., at 4 P. M. Die Gesellschaft, Room 24, R. at 4 P. M. Y. M. C. A. Meeting, Room 26, R., at 4.10 P. M. M. I. T. Co-operative Society. Annual Business Meeting of Board of Directors, Room 22, R., at 4 P. M. Nineteen hundred "Technique" Board Meeting, Room 25, R., 4 P. M.

*Saturday, April 16.*—Sherwood Club Dinner at Young's Hotel. Candidates for French Play, be at Bernard Phonological School, 175 Tremont Street. Hare and Hound Club, Riverside, on B. and A. R. R. M. I. T., 1900, vs. Malden High, in Malden, at 3 P. M.

*Monday, April 18.*—Vacation. Glee Banjo and Mandolin Clubs' Members be at wharf of Portland steamer at 6.45. Boat leaves at 7.

*Tuesday, April 19*—Vacation.

*Wednesday, April 20.*—Vacation. Junior Prom. Committee reception at Tech. Club.

*Thursday, April 21*—Musical Clubs' concert and dance, in Paul Revere Hall, at 8 P. M.

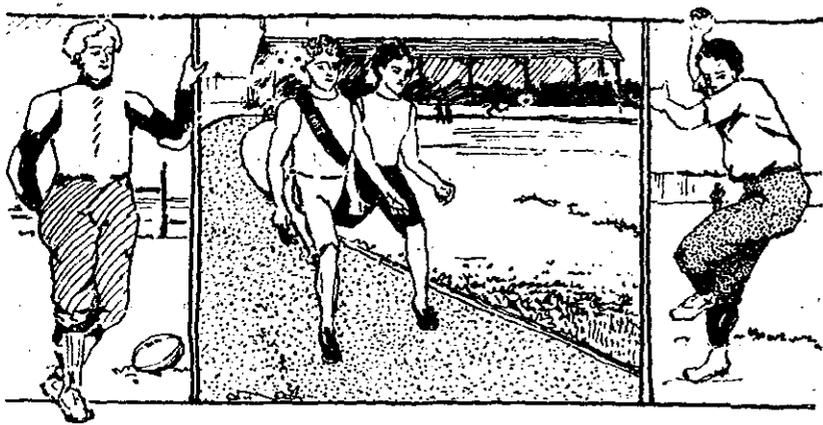
### COMMUNICATIONS.

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

TO THE EDITORS OF THE TECH:—

ANY student who was unable to come to the meeting of the candidates for parts in the French Play, and who wishes to take part in it, may come to the first reading of the play, which is to take place next Saturday, the 16th, at the Bernard Phonological School, 175 Tremont Street, at 2.30 P. M. Any such student is advised, however, to read before coming "Les Plaideurs," by J. Racine, which may be procured at any foreign book store for twenty cents in either the Bibliothèque Nationale or the Hachette edition.

BERTRAM W. B. GREENE,  
*Chairman of Committee of Arrangements.*



Cunningham, of the B. A. A., will coach the weight men once a week.

More men should come out for the Hare and Hound runs. A better means of obtaining all round physical vigor cannot be imagined.

Five hundred tickets to the Amherst dual games must be sold in the Institute. This means that every man has a duty cut out for him.

The Athletic Association has been fortunate in securing the privilege of running off the bicycle event of the Amherst-Tech games at Charles River Park, so that it will not be omitted from the schedule as was announced last week.

Fourteen men took advantage of excellent accommodations on the Hare and Hound run, Saturday. The course was through Belmont from the Watertown Arsenal, about ten miles; time, 1 hour 15 minutes. The Hounds picked up the trail in 1 hour and 38 minutes,—Campbell, first; Emerson, second:

Nineteen hundred was defeated last Saturday by Boston English High with a score of 10-9. Considering that it was the first game of the season, and that the men had only been practicing about a week, the playing on the whole was very good. Osgood and Chaffee did the best work in the in-field, and Crowel did his usual excellent work in the out-field. The men played in the following positions: Collier, s. s.; Glover, l. f.; Crowel, c. f.; McMasters, r. f.; Copp, 1st b.; Osgood, 2d b.; Chaffee, 3d b.; Dunbar, p.; Woodward, c.

Coach R. C. Lehman, of the Harvard crew, sailed for New York, on March 30th, to continue his work of coaching the crews. He is accompanied by H. Willis, who was at Harvard with Mr. Lehman for a short time last fall, and Harcourt Gold, the stroke of the Oxford crew last year and year before. They will assist Mr. Lehman in coaching the crew.



*Correspondence solicited from all who have been connected with the Institute.*

'71. Mr. Henry M. Howe, Course III., has this year been made a Professor of Metallurgy in Columbia University.

'75. Mr. Chas. W. Goodale, Course III., has just resigned his position as Superintendent of the Colorado Mining Company and Consulting Engineer of the Montana Mining Co. He has filled this office for the past twelve years, during which time he has developed the Sagnon shaft from 600 to 1,600 feet in depth. He goes to take absolute charge of the Great Falls smelting plant of the Boston and Montana Smelting Co., and is considered one of the best mining experts in the West.

'92. Mr. Sumner B. Ely, Course II., is an assistant in the steel car department of the Schoen Pressed Steel Company's shops at Allegheny, Pa.

'92. Mr. Chas. B. Gaines, Course V., is the present superintendent of the Western factory of the Carter Ink Co., in Chicago.

'93. Mr. Geo. T. Hanchett, Course VI., has opened an office as electrical and mechani-

cal engineer, at No. 1 Nassau Street, New York City.

'93. Mr. Wallace C. Lambert, Course I., has left the Boston Bridge Works, and is now in the employ of J. R. Worcester, consulting engineer, at 53 State Street, Boston.

'93. Mr. Heūchiro Maki, Course VI., is now the consulting electrical engineer for the following firms: The Westinghouse Electric & Manufacturing Co.; The Hoshyu Traction Co.; and The Chyubon Traction Co. His headquarters are in Dotemachi, Kioto, Japan.

'97. Mr. Arthur Elson, Course X., has accepted a position with the Norwich Bleachery, of Norwich, Conn.

'97. Mr. J. W. Kellam, Course I., is at present in the Boston office of the Metropolitan Water Board.

'97. Mr. Geo. R. Wadleigh, Course II., is engaged in the survey for the Nicaraguan canal, with the Nicaraguan Canal Commission.

Grave charges: An undertaker's bill.

—*Harvard Lampoon.*

SYMPATHETIC(?)

Gibson: "Watson has broken out with the small-pox, poor fellow!"

Brown: "Yes; he's to be pitted."

Why didn't Cain wear his brother's coat?

Because he wasn't A-ble.

What is called the vegetable nose?

The turni(u)p nose.

A HAPPY COMBINATION.

Bob: "I thought you said that you and Grinder roomed together."

Soakley: "We do."

Bob: "But how can you get along with that single bed?"

Soakley: "Oh, easy enough! You see, Grinder always gets up about four o'clock in the morning to study, and I rarely get in before that time."—*Yale Record.*

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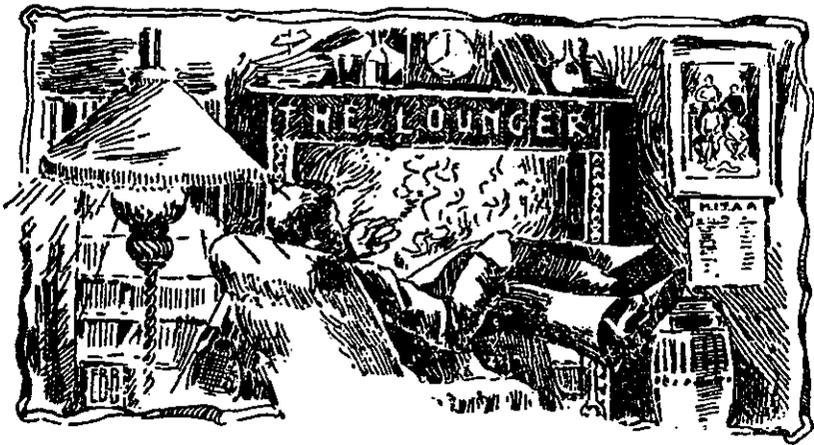
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HOWBEIT we be as yet far removed from that state of perfection wherein the senses do each and conjointly receive entire satisfaction, yet does it well become us to so regulate the trend of our activities, that we in no wise provoke the general æsthetic displeasure. This, it will be observed, is a mere rudiment of social law, the necessary *bewandtniss* of material progress, as our good friends over water would say. And yet, here at the very threshold of our Institute, do we note rude violation of the afore-said principle, violation which must sorely offend, besides ourselves, many good citizens in no manner accountable for the havoc now painfully apparent to the casual pedestrian of Boylston Street. The Lounger refers to the truly sad despoliation of the fair earth by those enthusiasts of the racket recently ejected from their most happy and obscure reservation. Be it said that there is no more hearty, nor perhaps skillful, player of the game than the Lounger; yet does he endeavor to restrain the dictates of his zeal within the bounds of due moderation, in which endeavor he finds himself tolerably successful. Therefore does he lament this rude upheaval of the sod in the pursuit of pleasure for the few, having, indeed, rare faith in the virtues of a blade of grass. If the honorable gentlemen will permit the indiscretion, the Lounger would suggest that they remodel the nature of their clubs and follow him to a fair green of many good acres extent, where, with no little pleasure to themselves, they may drive, and put, and stymie, and loft for an whole afternoon together. For saith not the poet, when, his occupation gone, he finally rises triumphantly to the occasion,

“So that now it but remains for me to die, sir,  
Stay, there is another course I may pursue;  
And, perhaps, upon the whole it would be wiser,  
I will yield to fate and be a golfer, too.”

With due respect to the editorial management of his friend the Editor in Chief, the Lounger takes pleasure in suggesting the extreme advisability of publishing some article on the question of gymnasium improvement, it being almost a week since anything of that nature has appeared. There is nothing like tiring a man out to win a point.

In the course of a recent recitation one of our most esteemed professors in theoretical science was heard to make the following remark, the truth of which is by many held in considerable uncertainty: “These notes are written in English.” For the persuasion of the incredulous the Lounger has gone to no little exertion in substantiating the professor’s statement, which he is now able to divulge in its entirety. It will be remembered that the cause of incredulity hung entirely upon two expressions appearing within the notes under discussion. The first of these was  $\Omega = 2\pi (1 - \cos \theta)$ , which upon first sight would appear slightly unfamiliar. Yet its very simplicity was undoubtedly what misled the Class, and, indeed, the Lounger among them, until, upon looking the matter up, he ran across it almost by accident in his English Grammar. It all came back like a dream in a moment, but for the nonce it had slipped his mind. The other expression was, if possible, even more simple,—

$$V = \iint \frac{1}{r} (A\lambda + B\mu + C\nu) \delta S - \iiint \frac{1}{r} \left[ \frac{\partial A}{\partial x} + \frac{\partial B}{\partial y} + \frac{\partial C}{\partial z} \right] \delta \times dydz$$

As a matter of fact, he failed to find it in his grammar even upon very careful inspection. At this he, too, was very near to thinking the gentleman might have stretched a point for effect. But one success compels another, as the saying is, so he stuck to it night and day, looking over great masses of material in the search. Finally he discovered it in a most unexpected quarter, gracefully disposed among equally interesting examples of printer’s ink—in an old spelling-book, formerly our most intimate acquaintance at the primary school. But one does forget faces, you know, no matter how good a memory. No, gentlemen, the professor is correct, although it appears the English language is undergoing so rapid a process of change that this once familiar friend had quite escaped our attention.

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**Tremont Theatre.**—Stuart Robson is having a successful season at the Tremont. The new play, by Augustus Thomas, "The Jucklins," is a pronounced favorite. Mrs. Stuart Robson and a distinguished coterie of players make the cast of unusual brilliancy.

**Boston Museum.**—"Jack and the Beanstalk" is still crowding the Museum to overflowing and the last week is approaching, and Boston will see the popular company leave with much regret.

**Castle Square Theatre.**—Elaborate preparations have been made at Castle Square for the production of Gillette's war play, "Held by the Enemy," beginning April 18th.

**Hollis Street Theatre.**—Richard Mansfield will make Monday, 18th, an eventful occasion by the presentation of "The First Violin," its first appearance on any stage. There is no doubt about the success of the popular story.

**Park Theatre.**—The New Metaphysical Society play, "Truth," opens at the Park Theatre April 18th.

**Boston Theatre.**—The popular Opera Company at the Boston Theatre is a genuine treat to Bostonians, and the repertoire includes all popular operas.

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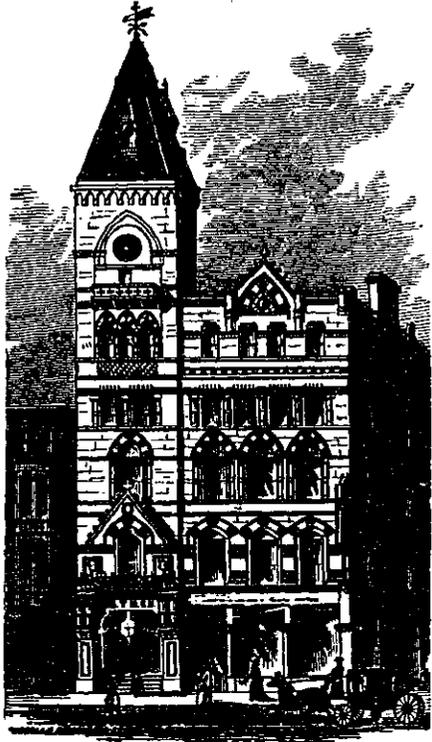
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