

THE TECH

Boston, Massachusetts

November 8, 1894

Volume XIV

Number 7

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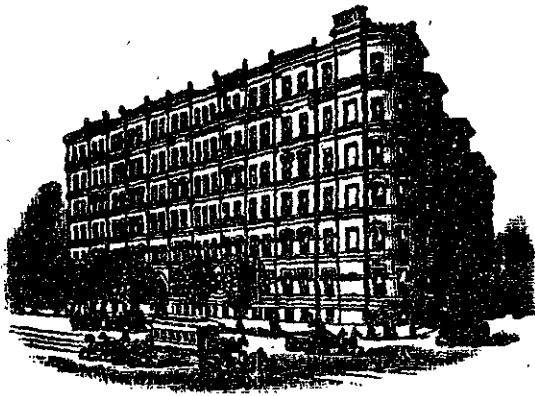
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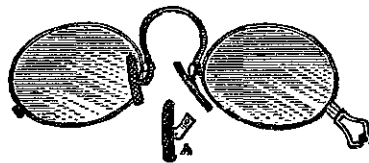


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... CALENDAR ...

- November 8th.—Meeting of the Geological Society in Room 14, Rogers, at 4.15 P. M. Meeting of the Society of Arts in Room 11, Rogers, at 8 P. M.
- November 10th.—Football game, at Lowell, Technology vs. Haverhill A. C. Cross-country Run, at 3 P. M. Mandamin Club Dinner.
- November 12th.—"Ancient Architecture," Lowell Course; first lecture, by Professor Homer, in Room 12, Architectural, at 7.30 P. M. "Historical Geology," Lowell Course; first lecture, by Professor Niles, in Room 11, Rogers, at 7.45 P. M.
- November 13th.—"Advanced English Composition," Lowell Course; first lecture, in Room 21, Rogers, at 7.45 P. M., by Professor Arlo Bates. "The Laws and Theories of Chemistry," Lowell Course; first lecture, by Professor Noyes, in Room 23, Walker, at 7.45 P. M. "General Chemistry," Lowell Course; first lecture, by Professor Pope, in Room 35, Walker, at 7.45 P. M.
- November 14th.—Football game, at Providence, Technology vs. Brown. "Ancient Architecture," Lowell Course; second lecture, by Professor Homer, in Room 12, Architectural, at 7.30 P. M. "Advanced English Composition," Lowell Course; second lecture, by Professor Arlo Bates, in Room 21, Rogers, at 7.45 P. M.

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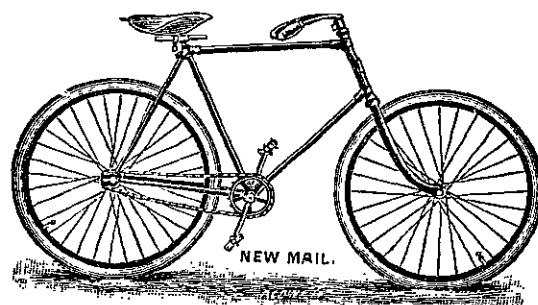
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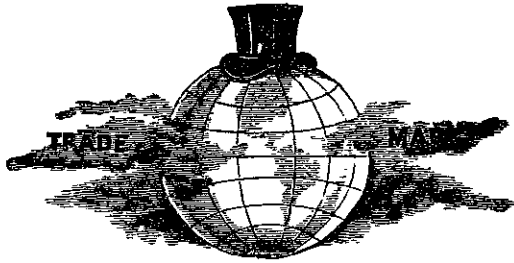
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THE TECH

VOL. XIV.

BOSTON, NOVEMBER 8, 1894.

NO. 7.

THE TECH

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

ANDREW DANIEL FULLER, '95, *Editor in Chief.*

CHARLES GILMAN HYDE, '96, *Assistant Editor in Chief.*

JOHN HOWLAND GARDINER, '95.

WILLIAM E. DAVIS, JR., '95.

EDWARD ARTHUR BALDWIN, '96.

BENJAMIN HURD, JR., '96.

REGINALD NORRIS, '96.

SHELDON LEAVITT HOWARD, '97.

WILLIAM THORNTON PARKER, '97.

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EDWARD ARTHUR BALDWIN, '96, *Secretary.*

H. P. CODDINGTON, '95, *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.



YOUR attention has been called to the needs of the gymnasium. The required apparatus does not seem to appear, and the necessary repairs are not made. The supply of money seems to be exhausted, as the Gymnasium director finds it difficult to obtain funds from the Bursar, often being delayed for days because there is no money. Several years ago this lack of sufficient funds for the gymnasium was realized as much as to-day. For the convenience of the students, lockers were put in the gymnasium, and a nominal sum was charged for them in order thereafter to meet the running expenses of the building. It now appears that the revenue derived from the lockers is turned into the Institute treasury, and the gymnasium is dis-

regarded. It seems that if the entire management were left to Mr. Boos, the gymnasium would provide wholly, or at least, mostly, for itself, the needs of the students would be attended to, and this disagreeable and continual dunning on the part of the Physical Director and the officers of the Athletic Club, for the interests of the students, would be ended.

LAST Friday evening thirteen men were sent to a football training table. This marks a progress of which every Technology man will approve. Although the matter has been broached for a long series of years, it has existed merely as a possibility only capable of achievement in an indefinite future. We are glad that such active measures have been taken by Mr. Tillinghast, and we feel that a long stride has been made in the right direction. If Technology is to enter into athletics at all, if football is to be of more importance than it has been in the past, it is necessary that every means be undertaken to place a team upon the field which shall be less variable in its play, at least well trained, and, if possible, well coached. The training table will be an important factor; the coach is a feature which will be evolved in the future.

It is not expected that the training table, established so late in the season, will produce a marked influence upon the remaining games of the year, but it is an innovation which, it is hoped, will become a fixture.

EACH year has so added to the number of men taking the chemical courses, that even the large analytical laboratories of Walker Building are to-day more than crowded. During the past summer, in view of the large

incoming Freshman class and the number of Sophomores taking second year analytical work, it became necessary to halve a proportion of the lockers, which were none too large for comfortable working. The result is one which could be readily foreseen—a lack of desk room, and, what is more important, an insufficient space for numerous solutions required, not to mention the extra apparatus.

The fact is encouraging from the standpoint of growth; but we are straightway brought to the inquiry, How is more room to be obtained, unless very important aid is given to Technology through her supporters? As an unendowed institution, the uncertainty of funds must ever cause not a little anxiety in the heads of the several courses. It is to be hoped that with further growth, and a fast increasing interest on the part of our alumni, subscriptions to establish an endowment fund for Technology will be rapidly forthcoming.

WE publish this week for reference a short account of the work of the Summer School of Civil Engineering, held at Augur Lake, in the Adirondacks, last June. It will give to those unacquainted a definite idea of the thoroughness in the work of one of Technology's Summer Schools.

WE are glad to note the increasing enthusiasm of the Freshmen over their course in military science and tactics. Captain Bigelow now publishes his lectures in printed form for the use of the members of the battalion, and the series, when completed, will be a comprehensive treatise on the rudiments of the art of war. The popularity of the Captain's lectures is well attested by the fact that many of the upper classmen attend them regularly.

WE have seen a letter from Mr. Walter H. Kilham, written to a friend in the Architectural Department, and in another column

we have been kindly allowed to print extracts from it which seemed to us of interest. Mr. Kilham graduated from the Architectural Department in 1889, and was instructor there during two years. After two years of office work he won the Rotch Scholarship. The holder of this scholarship is allowed one thousand dollars yearly for two years, his time to be spent in foreign study. Mr. Kilham's letter shows how well he is appreciating his advantages, and into what attractive fields the study of architecture leads one.

ALL that remains of the splendid exhibition of the Department of Architecture which was held at the close of last term, is the catalogue published by the Architectural Society. This pamphlet, of some ninety pages, is profusely illustrated with half-tones of the best designs of the past two years. It has been the custom of the Architectural Society to co-operate with the students of the Course in the publication of this catalogue and in the arrangement of the drawings and designs; but as no financial backing could be secured outside of the Society last spring, it was decided by the Society to publish the catalogue in its own name. How well it accomplished its task may be seen from the pamphlet referred to. It compares favorably with any catalogue of its kind, and aside from the artistic merit of its compilation it shows to those into whose hands it may fall, the high standard of work required of the students.

THE TECH desires to say that it emphatically reiterates all the statements made in its columns two weeks ago, apropos of the Senior election. Further than this, it declines to accord any answer to the following communication.

COMMUNICATIONS.

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

TO THE EDITORS OF THE TECH:—

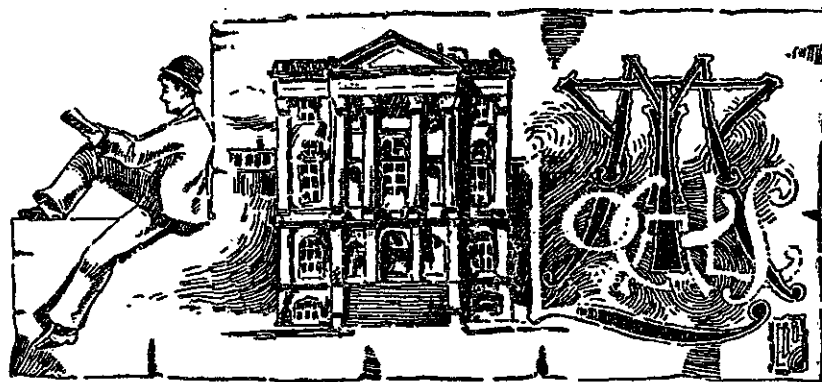
THERE recently appeared in your columns articles so entirely at variance with the policy of the paper, so bitterly personal in their character, and so wholly unwarranted, that they must not remain unanswered.

The Class of '95 came to its senior election through many and varied experiences in similar affairs, with a true sense of its responsibility, and a just pride in its oft demonstrated independence and good judgment. The men who stood before it were well and personally known to nearly every member of the class. The choice in most instances was so overwhelming and unmistakable as to leave no doubt that the men elected were the true and spontaneous choices of their classmates.

But these articles, so evidently prejudiced in their tone, would not perhaps have demanded a reply had they not contained bitter attacks upon an honored and worthy member of the class. This man, personally named in your articles, merely supported those whom he deemed best fitted for their respective offices with a heartiness which is not only the privilege, but the duty, of every one who has the true class spirit; he did not "arrange a ticket," or prepare any other deep-laid schemes for his election; and it is a shameful injustice to him, an insult to the officers elected, and to every senior to say that he did or could.

In view of these facts, and they are undeniable, it would seem only proper and fair that THE TECH should make a retraction of its wholly vindictive and unjust editorial.

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All men having tenor voices are requested to try for the Glee Club.

A list of unclaimed mail matter has been posted on the general bulletin board.

Proposals of '98 class yells should be left with the Secretary, care of box 123, Cage.

Designs for the new '96 Class pin should be sent to J. Harrington or W. B. Corson.

A new blackboard has been placed in the lower hall of the Walker building for bulletin purposes.

Austin Sperry, '94, returned to San Francisco last Friday, after spending two weeks in Boston.

The Freeland Loomis Co. desires the measuring of the Cadets to be accomplished, if practicable, this week.

The Bean Club, composed of Junior Architects, held its meeting in the Lunch Room at one o'clock, last Thursday.

Professor Cr—ss: "Of course, you know from experience that alcohol and water can be mixed in all proportions."

The Chemical Recitation, section 14, will take place in Room 11, Rogers, instead of Room 35, Walker, as formerly.

Floyd Frazier, '96, is now studying carriage designing in New York City, at the only school of its kind in the country.

Mr. W. H. Lawrence will give the course in Constructive Design to the Junior Architects, in place of Professor Homer.

The halls of the Architectural building are continually filled with grotesquely illustrated notices, from the pen of J. H. Parker.

Mr. James H. Stanwood, Instructor in Civil Engineering, has been elected an Honorary Member of the Deutscher Verein.

The first of a series of eight lectures on railroad signaling, by Mr. G. W. Blodgett, was attended by over seventy-five upper classmen.

Henry C. Hutchins, a prominent Boston lawyer, has recently left \$30,000 for charitable purposes, \$2,000 of which will come to Technology.

At the meeting of the Society of Arts, tonight, Mr. William Danmar will read a paper, which he will illustrate with views, upon the Colonial Style of Architecture.

Mr. Carter's classes now meet in Room 27, Rogers, instead of Room 20, at the following hours: Mondays, Thursdays, and Saturdays at 9, and Fridays at 10.

The "Technique" needs a large number of grinds and quotations. Send all such contributions to C. G. Hyde, Box 72, Cage, or to E. A. Baldwin, Box 61, Cage.

Professor Noyes is giving a course of lectures on the History of Chemical Theory to graduate students. The course is modeled upon the plan of a German seminarium.

The Institute is now being canvassed by the officers of the Athletic Club. With proper support, Technology should again turn out a championship team for the Intercollegiates.

The committee in charge of the programme of the November meeting of the Electrical Engineering Society consists of L. F. Howard, '95; N. F. Rutherford, '95; and D. N. Marble, '95.

S. S. Clark, '95, W. J. Drisco, '95, R. K. Sheppard, and Mr. C. L. Norton, assistant in Physics, made several tests on the heat of melting clay at the South Boston Fire Clay Co., last week.

The Gym is now beginning to assume its usual winter afternoon aspect. The five-o'clock classes of Instructor Boos are being largely attended, and the exercise entered into with much spirit.

Mr. George's sections in First Year mathematics will hereafter meet in Room 20, Rogers, on Mondays and Fridays at 12, on Tuesdays at 3.15, on Wednesdays at 11 and 12, and on Thursdays at 11.

That the subject of Descriptive Geometry may be the better comprehended and the number of failures consequently arrested, the method of instruction to the Sophomores in this subject has been rearranged.

The lectures on Telegraphy to the Juniors by Professor Cross will this year be somewhat more extended than usual, thus causing Mr. Clifford's lectures on Theoretical Electricity to be taken up at a later date than heretofore.

The Architectural Society held a meeting last Friday afternoon. The Bohemian Supper was discussed. The following men were elected to membership: Fife, '96, E. C. Cramer, '96, G. Burnham, '97, R. S. Whiting, '97.

At the meeting of the Deutscher Verein, held last Friday afternoon, addresses were made by Mr. Blackstein and Mr. François Matthes, '95. The latter described an eventful voyage from his foreign home to Boston,—a topic which proved of exceptional interest.

Professor Swain has recently undertaken to ascertain the number of men in Courses I. and XI. who have done work in surveying before entering Technology, or in the summer months during their course. The result has not as yet been learned, but will be announced at a later date.

Dr. J. W. Fewkes will deliver at Technology a series of four lectures upon Anthropology. Dr. Fewkes is the well-known editor of the *Journal of Archæology*, and is the director of the investigations in American

ethnology, which are being pursued under the Hemenway bequest.

Mr. Charles Francis Park, '92, and Miss Maud White were married at the residence of Mr. Alexander White, in Taunton, on Wednesday, October 31st. Mr. Park has been for some time an instructor in the Mechanical Engineering Laboratory. The Tech presents its best wishes.

Mr. Henry A. Clapp, the famous Shakespearean scholar, began his course of four lectures upon the Historical Dramas of Shakespeare, on Tuesday evening, October 30th. The lectures are given upon Tuesday and Friday evenings, in Huntington Hall. Mr. Clapp has chosen as his subjects, "King John," "Richard II.," "Richard III.," and "Henry VIII."

The Technology Orchestra rendered several selections at an entertainment given at the Parker Memorial, last Friday evening. The performance was successful, and Mr. Schindler complimented the players on the marked improvement shown. The orchestra now consists of twenty-five members. Rehearsals are held at the Parker Memorial, every Wednesday evening, at seven o'clock, and all students are invited to attend.

At the '98 class meeting held November 1st, Mr. Hurd, of the '96 "Technique" Board, addressed the members in regard to Class contributions to the Annual. Messrs. Willis, Lieper, and Mara were appointed to secure matter from the class for the volume. President Hail then gave notice that an assessment of twenty-five cents was due, and reported that at the next meeting the members of the Institute Committee would be announced, and a manager of track athletics elected. The constitution was signed by the members present.

The following list of prizes has been offered by the "Technique" Board, as a slight incentive to the student to make the coming "Technique" the best yet issued: For Best Artistic

Work (Titles, Initial Letters, Illustrated Humorous Sketches, etc.), 1st Prize, \$10, 2d Prize, \$5; For an Institute Song (Music and Words), \$25; For the Best College Song (words with music or words adapted to some Popular Air), \$10; For Best Poem, \$5; For Best Collection of Grinds and Quotations, \$10; For Best Piece of Music, \$5; For the largest Collection of Advertisements (amounting to more than \$100), \$25. (This prize is in addition to the 10 per cent commission allowed on all advertisements obtained.)

Under the supervision of Technology, the Trustees of the Lowell Institute have been enabled to arrange twenty courses of twelve lectures each, in literary, scientific, and technical subjects, as follows:—

ANCIENT ARCHITECTURE. By Assistant Professor Homer, on Mondays and Thursdays, at 7.30 P. M., beginning November 12, Room 12, Architectural Building (Trinity Place).

HISTORICAL GEOLOGY. By Professor Niles, on Mondays and Fridays, at 7.45 P. M., beginning November 12, Room 11, Rogers Building.

ADVANCED ENGLISH COMPOSITION. By Professor Arlo Bates, on Tuesdays and Thursdays, at 7.45 P. M., beginning November 13, Room 21, Rogers Building.

THE LAWS AND THEORIES OF CHEMISTRY. By Assistant Professor Noyes, on Tuesdays and Fridays, at 7.45 P. M., beginning November 13, Room 23, Walker Building.

GENERAL CHEMISTRY. By Assistant Professor Pope, on Tuesdays and Fridays, at 7.45 P. M., beginning November 13, Room 35, Walker Building.

THE RISE AND DEVELOPMENT OF PROSE FICTION IN FRANCE. Lectures (in French) by Professor Van Daell, on Fridays, at 8 P. M., beginning November 16, Room 22, Walker Building.

RESISTANCE AND PROPULSION OF SHIPS. By Professor Peabody, on Mondays and Fridays, at 7.45 P. M., beginning December 3, Room 22, Rogers Building.

ADVANCED ALGEBRA AND THEORY OF EQUATIONS. By Assistant Professor Bailey, on Tuesdays and Fridays, at 7.45 P. M., beginning December 4, Room 21, Walker Building.

THE METALLURGY OF GOLD. By Associate Professor Hofman, on Tuesdays and Thursdays, at 7.45 P. M., beginning December 4, Room 36, Rogers Building.

THE TESTING OF ENGINEERING MATERIALS. By Assistant Professor Sondericker, on Tuesdays and Thursdays, at 7.30 P. M., beginning December 4, Room 22, Rogers Building.

THE TESTING OF DYNAMO ELECTRIC MACHINERY. By Assistant Professor Puffer, on Thursdays, at 7.45 P. M., beginning December 6, Room 22, Walker Building.

GOVERNMENT OF THE UNITED STATES. By Assistant Professor Currier, on Mondays and Fridays, at 7.45 P. M., beginning December 17, Room 26, Rogers Building.

HIGHWAYS: THEIR LOCATION, CONSTRUCTION, AND ECONOMICS. By Associate Professor Allen, on Mondays and Fridays, at 7.30 P. M., beginning January 7, Room 11, Rogers Building.

FUELS — SOLID, LIQUID, AND GASEOUS: THEIR ORIGIN, ANALYSIS, AND APPLICATIONS. By Assistant Professor Gill, on Tuesdays and Fridays, at 7.45 P. M., beginning January 8, Room 23, Walker Building.

PLANE TRIGONOMETRY. By Assistant Professor Bartlett, on Tuesdays and Fridays, at 7.30 P. M., beginning January 15, Room 21, Rogers Building.

CHAPTERS IN THE HISTORY OF MATHEMATICS. By Professor Tyler, on Mondays and Thursdays, at 7.45 P. M., beginning February 4, Room 21, Rogers Building.

ELEMENTS OF ORGANIC CHEMISTRY. Lectures (illustrated by experiments) by Assistant Professor Talbot, on Mondays and Thursdays, at 7.45 P. M., beginning February 4, Room 35, Walker Building.

PLANE SURVEYING AND NAVIGATION. By Associate Professor Burton, on Tuesdays and Fridays, at 7.30 P. M., beginning February 5, Room 26, Rogers Building.

MIDDLE HIGH GERMAN GRAMMAR. By Assistant Professor Dippold, on Tuesdays and Fridays, at 7.45 P. M., beginning February 5, Room 22, Rogers Building.

ELEMENTARY CRYSTALLOGRAPHY. By Assistant Professor Crosby, on Tuesdays and Fridays, at 7.30 P. M., beginning February 5, Room 12, Rogers Building.

Extracts from Mr. Kilham's letter are given below:—

TO-NIGHT I am tucked away in this out-of-the-way corner of Brittany, under the wall of that splendid chateau which you know of, and I will try to answer your letter. You ask where I have been. In a general way I went from England to Paris, and left there the 1st of last October for Italy *via* the south of France and the Riviera. I did the towns along the way and Nimes, Arles, and all that lot, and was in Italy, Sicily and Greece from the 25th of October to the 5th of May. I went to most of the places of any importance, although I can't say I exhausted the riches of those countries, for that would take a lifetime. I had six weeks in Florence, six in Rome, and four in Venice, ten days at Siena, five at Bologna, and so on. Sicily was delightful, Greek temples rising out of almond orchards, and Saracenic and Spanish Gothic

things surrounded by oranges and lemon trees in full bloom. We sailed from Catania for Pierus in February on an Italian steamer, and had a delightful voyage. In Greece I went to Athens, Corinth, Mycenæ, Tiryns and Argos, and also Patrus and Corfu; the latter was great. I returned to Paris the 10th of May and stayed there some time. I made a trip around the northern cathedrals, which was very satisfactory, returned to Paris, and started June 25th for the round of Normandy, Brittany, and Touraine. I shall then work south to go to Spain in September and October. Next winter I propose to spend in Paris making *envois*, and in the spring, if possible, see something of the Netherlands and Germany.

For the last two weeks I have been in our old stamping ground, or rather a little south of it, Lisieux, Caen, etc. I must say that it is disappointing on second sight. The glamour of the merely picturesque, half-timber stuff and Francis I.'s work is gone, and now it seems coarse and half savage after the splendid work in Italy and Greece. However, it takes everything to make up a world, and one may as well see it all.

I shall spend next winter at Paris, as the opportunity for study is greater there, but there is a strong temptation to go back to Italy, where I firmly believe there is more good stuff to the square foot than there is to the square mile anywhere else. I never was so captivated by any place as I was by Florence, the city of flowers. For swell architecture, beautiful gardens, lovely surroundings and nice people, it takes the entire cake.

I measured the Pandolfini Palace and Palazzo Vecchio while there. The latter was a tower three hundred and eight feet high, and I have the whole of it.

— is in Paris trying for the Beaux Arts, poor soul. I saw several of their exhibitions, and aside from the good rendering of a few drawings, I think we have little to learn from them. The architectural exhibition at the *salon* was magnificent, however, and beat anything I ever saw in the States.

I went to Mt. St. Michel and liked it, but there is a place called Le Puy, in the south, where I went last fall, which is something on the same order, and for a swell layout it knocks Mt. St. Michel out of sight. It is insufficiently illustrated, I think, in the *Dictionnaire Raisonné*, but I have some thoughts of working around there when I come back from Spain, and measuring it up for a big *envoi*.

Summer School of the Civil Engineering Department.

THE Adirondack region near Keeseville, N. Y., was again this year, during the month of June, the scene of work of the Summer School of the Civil Engineering Department. Eighteen students took part, the work being conducted by Professor Burton and Professor Porter. The plane table survey of the region, which had been begun last year, was extended over one thousand six hundred acres. In base-line measurements, experiments were made this year in using the brass tape in conjunction with the steel tape. Besides the practice work during the day, measurements were made for the first time during the night, thus gaining the most uniform atmospheric conditions obtainable. The result of the measurements with the steel tape showed a probable error of one part in seven hundred and fifty thousand, bringing the standard of the work on a par with that of the Mississippi River Commission and the U. S. Coast and Geodetic Survey. This year, for the first time, work was done with the Precise Level, a line of levels being run along the banks of the Ausable River to determine its average fall.

June 16th, the members of the summer school spent the day in the Au Sable Chasm, and all were much interested in the geological features of the chasm, its wonderful potholes, fossil ripple marks, and cascades. The same day a pulp mill in Keeseville was visited, and the process and machinery explained by Professor Porter.

Excellent opportunities were given those interested in geology to make excursions to points of interest, and to obtain an abundance of fossils and specimens. The last of these excursions took place June 24th, when a party went to visit an iron mine in Clintonville, and had a chance to descend into the interior of the mine.

Although the work during the day required considerable attention and exertion on the

part of both instructors and students, there was ample time for recreation. Supper was preceded by a swim in Augur Lake and followed by tennis till dark, then by bowling or music in the hotel parlors. Keeseville offered variety in the form of band concerts and society, and notably by a dance offered by the young ladies of the town, and a baseball game with the Keeseville nine, resulting in favor of the Technology men, who, after the game, filled the town with M. I. T. yells.

The work of the school was accomplished throughout in a most satisfactory manner, and reflects much credit on both instructors and students.

The Architectural Society Bohemian Supper.

THE first Bohemian Supper of the Architectural Society for this season was held last Saturday evening at Mieusset's, No. 1 Van Rensselaer Place. Twenty-three members of the society were present, and, although the room was none too large to hold the noisy gathering, the supper was certainly as successful as any held last year. J. H. Parker was presented with the piano, and he proceeded to "rip out the strings," but in such a delightful manner that he was forgiven the offense. His interpretations of the Bijou, Faust, and Carmine, with the able accompaniment of the street violinist, were enjoyed by all. Mieusset's table d'hôte was served, the intermissions being filled with able songs and stories. The operation of appeasing an architect's appetite was at last accomplished, and the guests, tilted back in their chairs and with London straws in their mouths, proceeded to enjoy a most entertaining spontaneous programme. E. J. Loring and A. E. Zaff rendered popular airs in various lights and shading, and J. H. Parker's impersonations and songs were taking. A proposition was launched by C. A. MacClure, '94, for the union of the members of the society who have left Technology, and

are in business in and around Boston, with the active members. It is proposed to effect this union, and to give a grand Bohemian supper between Thanksgiving and Christmas,—such a feast as only Architects dream of. H. E. Davis, '94, spoke to some extent on the Beaux Art, and a general conversation on foreign travel and study ensued. At this point Mr. E. B. Bird, the well-known illustrator, dropped in, and gave the guests many points on drawing for publication. Shortly afterwards the supper was declared over, and with a pipe poking its head from each pocket, the members sought the nearest way home.

Williams, 12; Technology, 0.

IN torrents of rain and wading in mud ankle deep, Technology met Williams on Weston Field last Wednesday in what otherwise might have been the most interesting game of the season. It was impossible to do any team work on account of the slippery condition of the field, and but few star individual plays were made.

Williams kicked off. Thomas caught the ball and made thirty yards before being downed. Technology, after trying both ends, was forced to punt. Mather and Fred Draper made short gains through left guard and tackle. Williams losing the ball on a fumble, Technology made eighteen yards through left tackle and center. Ogilvie, getting the ball on Technology's 25-yard line, together with the help of Fred Draper and Mather, made steady gains, and Taylor slipped over the line for a touchdown. Fred Draper kicked the goal. Score, 6-0.

Phil. Draper, catching the ball from the kick off, made twenty-five yards, but Williams was forced to punt on three downs. Technology lost the ball. Williams was held for three downs. Phil. Draper fell back for a kick, but on receiving the ball dashed around the end, and by a brilliant run of eighty-five yards made a touchdown. He was tackled

by Rawson, Underwood and Rockwell, but the slippery condition of his clothes enabled him to escape. Fred Draper kicked the goal. Score, 12-0.

Time was called on Technology's third down. Mansfield played quarter in the first half, as Hayden's ankle obliged him to leave the field.

No intermission was taken as the men were in such a drenched condition.

Technology showed up in better form during the second half. Several attempts were made to kick, but neither team gained any ground.

Time was called with the ball in the center of the field.

Technology showed its usual weak points: poor team work, fumbling the ball, weak blocking, and offensive play.

The teams lined up as follows: Technology, —rushers, Ames, Coburn, Le Moins, Manahan, McCormick, Whiting, Rawson; quarter back, Thomas (Mansfield); half backs, Hayden (Thomas), Rockwell; full back, Underwood. Williams,—rushers, Taylor, Townsend, Ogilvie, Heald, Lotz, Somokey, Ryan; quarter back, Bradley (Street); half backs, Mather, F. Draper; full back, P. Draper. Umpire, J. H. Upton, Harvard; referee, Mr. Lothrop, Technology; linesman, H. S. Patterson, '96. Time, thirty minutes.

Technology, 24; Hyde Park, 6.

TECHNOLOGY easily defeated the Suburban League Champions in a well-played game on the South End grounds last Saturday. A clear day and a large, enthusiastic crowd combined to make the event the most enjoyable of the home games thus far. The Technology team played a strong, snappy game, and the backs particularly lent a dash and spirit to their work which was sadly lacking earlier in the season.

The Hyde Park eleven was clearly out-classed, and its single touchdown was made by a chance fumble. Hayward and Hurd

played the strongest games for their team, while the punting of the former did much to keep Tech from scoring oftener. The entire team showed a lack of practice which made interference impossible, and the Tech line had little trouble in downing the Hyde Park backs without gain.

For Technology every one played well and hard. The backs necessarily carried off most of the glory, on account of their brilliant runs, while the center well deserved applause for its steadiness. Underwood and Howland are worthy of special mention; the former for his punting and dashes through the line, and the latter for his plucky runs around the ends at the close of the game.

The teams lined up at 3.17, Tech having the ball and the wind. Rockwell kicked over the line, and the visitors were obliged to kick from the 20-yard line. Underwood caught the ball at center and made 10 yards. The ball now changed hands twice on four downs, and Tech started her ground gaining by the tackle play. Rockwell, Underwood and Ames each made good gains; and Ames finally scored a touchdown from which Underwood kicked a goal.

Dyer kicked to Tech's 15-yard line, and Rockwell made a pretty run around right end for 20 yards. Slight gains followed and Underwood punted from the center of the field. Hayward made a return punt and Technology had the ball on Hyde Park's 30-yard line. Short but steady gains were made and Thomas scored through center. Underwood kicked a goal. Score: Technology 12, Hyde Park 0.

Dyer kicked to Rockwell, who made a fine 35-yard run before Brown tackled him. Freeman broke through and stopped a pass. After three attempts to gain through Tech's line Hayward punted to Tech's 5-yard line. An unfortunate fumble, owing to a wrong signal, lost the ball, and Hyde Park scored a touchdown and a goal.

Rockwell kicked 40 yards, and Tech got the ball on four downs, scoring the third

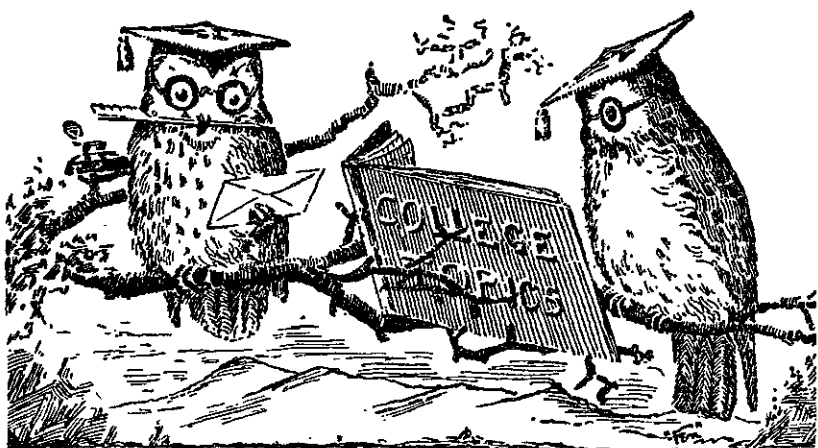
touchdown; soon after Underwood kicked a goal, and the score for the first half remained, Tech, 18; Hyde Park, 6.

In the second half Howland took Thomas' place at half, while the latter played quarter instead of Mansfield. Dyer kicked to Howland and Underwood punted to center, Thomas getting the ball on a muff. The referee, however, made the remarkable decision of giving the ball and fifteen yards to Hyde Park. After short gains Tech got the ball for off-side play, and beginning with a pretty run of Howland's, carried the ball the entire length of the field, and scored after the steadiest advance of the game. Underwood kicked a goal, and the final score was 24 to 6 in favor of Technology.

The teams lined up as follows: Technology,—rushers, Ames, Coburn, Le Moins, Manahan, McCormick, Washburn, Rawson; quarter back, Mansfield; half backs, Thomas (Howland), Rockwell; full back, Underwood. Hyde Park,—rushers, Brown (Howard), Hurd, Dyer, Legate, Ruggles, Freeman, Brown (Rice); quarter back, Tower (Demick); half backs, Hull, House; full back, Hayward.

The following entries have been received for the cross-country run next Saturday: W. C. Powers, '95, Stoughton, '95, W. P. Anderson, Jr., '96, H. Cummings, Jr., '96, R. Norris, '96, S. F. Wise, '96, R. Johnston, '96, Andrews, '96, W. Sallon, '97, R. Rumery, '98, Pillsbury, '98.

The following will serve as Officers of the Meeting at the Cross Country run November 10th: Referee, B. Hurd, Jr.; Starter, F. C. Green; Judges, E. A. Boeseke, E. A. Sumner, Jr., G. P. Lawson; Timers, H. A. Boos, W. C. Marmon, H. W. Allen; Clerk of the Course, J. P. Ilsley, Jr.; Checkers, T. M. Vinton, '98 Class Captain; Inspector, W. C. Marmon.



Adelbert is soon going to build a \$50,000 physical laboratory.

The Harvard Co-operative Society has declared a dividend of \$5,000.

There are eight daily newspapers published in the colleges of the United States.

Rutgers College has won the Middle States football championship for this year.

Columbia College will occupy its new site at Bloomingdale by the fall of 1896.

The Yale Freshman football team will probably play at Cambridge on December 11th.

Seats for the accommodation of 22,000 will be erected at Hampden Park for the Yale-Harvard game.

In the Harvard-Cornell game Ohl made twenty-seven kicks, C. Brewer twenty, and Wrightington four.

Harpers are going to publish shortly a new book by Walter Camp, entitled "Football Facts and Figures."

The University of Pennsylvania offers the Freshmen and Sophomores a two-hour course in newspaper practice.

College sports have been forbidden at the University of Kentucky, on account of alleged gambling connected with them.

The Junior class at Yale this year has secured forty-seven places on the Phi Beta Kappa list, thereby breaking all previous records.

Sums amounting to nearly one hundred dollars have been offered as prizes for the best literary and artistic work contributed to the *Cornellian*, the Cornell annual.

The University of Pennsylvania offers Brown \$500 guarantee to play on Manhattan Field, and Manager Hoyer is endeavoring to arrange the game on one of the open dates.

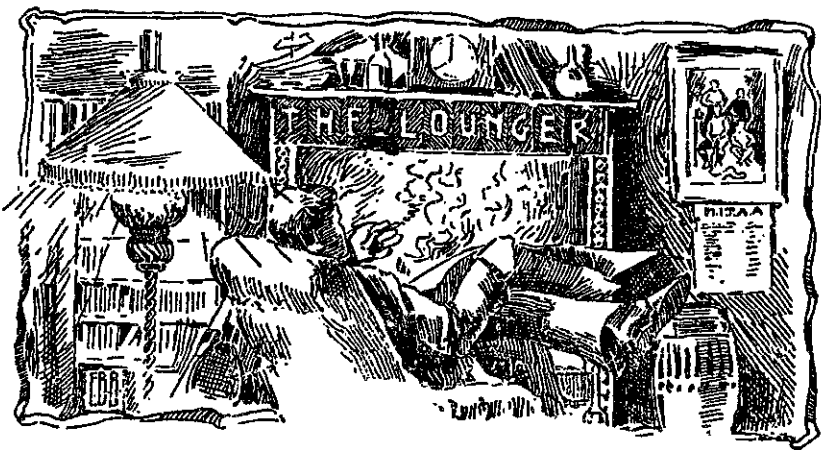
William M. Singerly has presented \$10,000 to the University of Pennsylvania to be used in the erection of new dormitories. Another gift of \$10,000 was received a few weeks ago.

The University of Paris has over 7,000 students, and in this, as in other universities in France, there are no classes, no athletics, no commencement day, no college periodicals, no glee clubs, and no fraternities.

A new magazine will shortly appear as the official organ of the American Republican College League. It is to be published monthly in New York City, and will be edited by a board of editors selected from the leading colleges of the country.

The *Yale Scientific Monthly* is the name of a new magazine started by the Sheffield School. It is on the style of the *Popular Science Monthly*, containing about fifty pages of reading matter, with articles by professors and prominent alumni.

A few nights ago in a New York theater three hundred and fifty Columbia College students attended De Wolf Hopper's new play, "Dr. Syntax." In the schoolroom scene when Mr. Hopper asks one of the young ladies why George Washington was buried at Mount Vernon, the collegians, as one man, sung at the top of their voices, "'Cause he didn't care to wander from his own fireside." When the uproar which necessarily had arisen at the interruption subsided, Mr. Hopper, walking down to the footlights, quietly remarked, "No, boys, you're mistaken; it was because he couldn't lie in his father's orchard."



THE Lounger has viewed with consternation some specimens from '97—inanimate and impersonal—which have recently reached his desk. While he recognizes the fact that chasing the coy and evanescent lunch-room girl, and regular devotion at the shrine across the way, are among the chief subjects of the Sophomore year, he would yet remind one or two care-free youngsters that a becomingly modest acquaintance with the refinements of English literature, is one of the stern demands of our beneficent Faculty. Do not these careless youths realize that they make sore the hearts of the great ones by prating of "Orthello" and "Astrabellar Stellar"? Do they not know the enormity of declaring that "Chawser wrote in Latin," or that "Caedmon composed his verses on hearing Jennessis?" The Lounger is at a loss what to think, but wonders if those same brilliant lights expect to startle the unwary by a calm announcement that "Early English was but a mere mixture of words and phrases." These things are indeed passing strange, and it is a long time since the Lounger has seen their equal.

Certain of our staid and dignified instructors, too, have been indulging in unwonted joviality, for which the proximity of Hallowe'en may have been accountable. The Lounger learns that one of these who poses as "my assistant" to the author of the favorite Technology textbook, recently entered into the joys of matrimony. Before taking this fateful step, however, he descended into the abode of the big triple expansion in Engineering to bid an appropriate adieu to his associates. His appearance was the signal for an overwhelming salvo from myriad whistles, brazen gongs, and other hellish instruments, well calculated to impress him with the solemnity of the occasion, while pipe joints and patent indicators made desperate efforts to burst with emotion. This formal leave-taking was all that any ambitious mortal could desire,

and the dazed Benedict, the Lounger learns, was nearly compelled to seek refuge in the comparative quiet of a boiler factory in order to recover from the nervous strain.

Once more would the Lounger urge the importance and duty of attending class meetings. The times are too few in the activities of Technology life for meeting one's fellow classmen on the broad ground which the class meeting affords, to forego a single one. Freshman, Junior, Sophomore years soon are past, and the last year at Technology is upon one—that is, upon the one who is so fortunate as to get there—almost before he knows it. Believe the Lounger when he tells you that you will hereafter recall most pleasantly the time spent in these meetings, or else regret your lack of class spirit. Therefore see to it, '95, '96, '97, and '98, that when the time for class meeting comes around, your place is filled, and let it not be said that any of these illustrious bodies had to adjourn for want of a quorum.

The Lounger was surprised to find that the enchantresses of the gilded playhouse held such potent sway over the grinds and toilers as was manifested by the zeal with which these worthies resorted to THE TECH office in quest of free tickets "for the matinee" last week. Indeed, the demand has been so great that the dispenser of the magic pasteboards has been compelled to lengthen his already arduous office hours. This was truly perplexing, and the problem remained unsolved till, on descending to the halls below, the Lounger found these tickets advertised on the Christian Union bulletin.

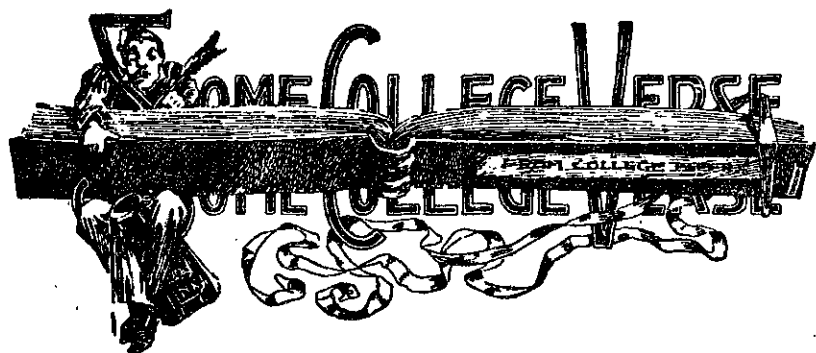
ELEGY.

Full many a gem of purest emerald green
The dark, unlettered haunts of yokels bear;
Full many a flower that last year grew unseen,
Now brings its sweetness from Pike County air.

Some village Hayseed with an ancient vest,
A coat whose cut might antedate the flood,
Some mute inglorious "milk'un" here may rest,
Some Cromwell with his whiskers in the bud.

Now Knowledge to their eyes her ample page,
Rich with Greek roots, *et cetera*, unrolls;
Beastly exams. will soon about them rage,
And freeze the genial current of their souls.

—Lafayette.



A little iron,
 A cunning curl,
 A box of powder,
 A pretty girl.
 A little rain,
 Away it goes;
 A homely girl
 With a freckled nose.

—Ex.

TO SCIENCE.

O thou preceptress of the human mind,
 Unfailing guide to knowledge and to truth,
 To all thy votaries of age and youth
 Dispensing wisdom of the rarest kind!
 Our greatest love! In thee we ever find
 Sweet inspiration and the power to bless;
 From ev'ry sordid thought of earth resigned,
 In thee alone is found our happiness,
 For thou dost all our heart and mind possess.
 To thee, sweet science, and thy sister Art,
 Is given the love of all our soul and heart,
 A deep, unselfish love, and fierce its flame,
 Though pure the joys its kindling hopes impart;
 To thee we dedicate our life, our name,
 In hope to reap reward in everlasting fame.

—Red and Blue.

MEDLEY.

I remember in my dreaming
 The place where I was born,
 The mouth of the old river,
 The ears upon the corn;
 The eyes of the potatoes,
 The limbs of all the trees,
 The foot of a big mountain,
 The veins within the leaves;
 The fingers of the whiskey,
 The brow upon the hill,
 The necks of all the bottles,
 The woodpecker with the bill;
 The weeping of the willow,
 The whisper of the pine,
 The laughing of the brooklet,
 The blushing of the wine.

—Yale Record.

MY GERMAN.

What is it gives me daily blues,
 And gives my language lurid hues,
 And bids me to invoke the muse?
 My German.

What is the cause of all my woes?
 What robs my night of sweet repose,
 And will condition me, I s'pose?
 My German.

What makes me long for fairer climes,
 And summer skies, and better times,
 When like a fate the old bell chimes?
 My German.

What is it I wish far away,
 Wish to have go, and go to stay?
 Perhaps 'tis wrong, but—"shall we say?"
 My German.

—Ex.

ADVICE TO FRESHMEN.

Now don't fall in love with the first girl you meet;
 Think it over.
 I've no doubt that to you she is awfully sweet;
 Think it over.
 I've been there myself, and know just how you feel;
 She appears like a dream, but she's horribly real;
 If you do not look out you will lose in the deal;
 Think it over.

—Wrinkle.

FASHION'S FOLLY.

I knew a maiden fair and sweet,
 Whom I had loved for years;
 At last one day I told her this,
 Although with many fears.
 At first she did not say a word,
 Then, in a pleasant way,
 She looked out to the west, and said,
 "It is a pleasant day."
 She had not heard a single word,
 She's told me since with tears;
 She wore her hair, as some girls will,
 Down over both her ears.

—Vassar Miscellany.

NO MONOPOLY.

We leaned across the friendly stile,
 The gentle moonbeams lit her face;
 The sweet influence of her smile
 Annihilated time and space.
 Quoth I: "The breezes kiss your cheek;
 O happy, happy breezes they!"
 Sighed she, this maiden so petite,
 "Who gave them a monopoly?"

—Bowdoin Orient.

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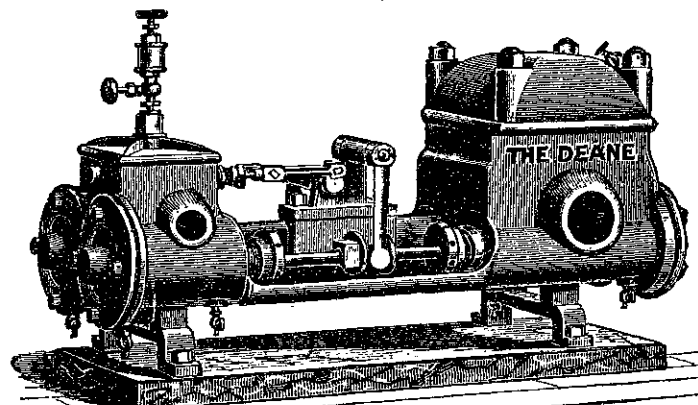
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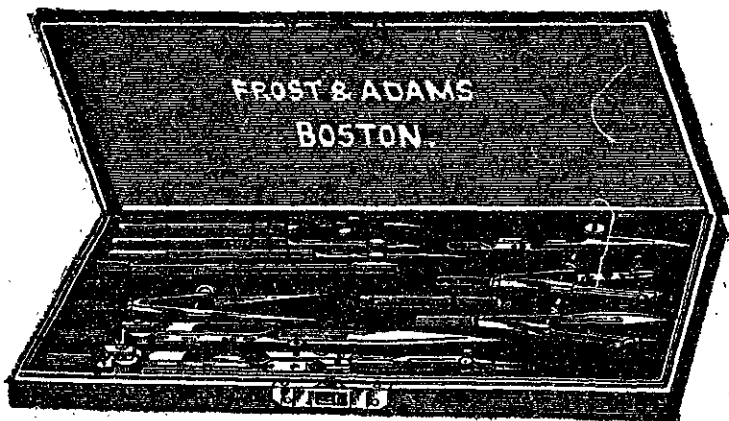
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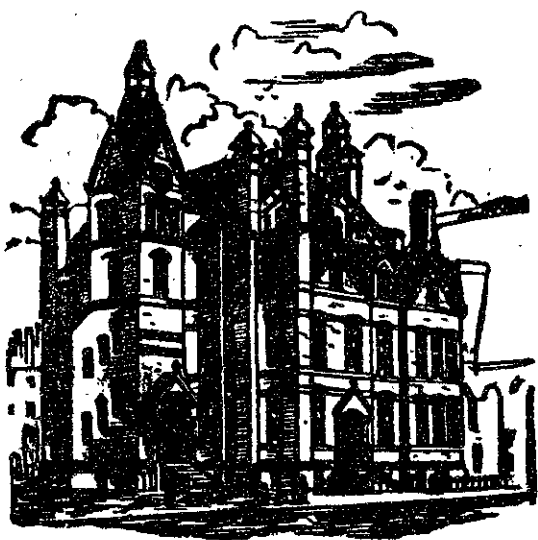
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