Boston, Massachusetts.

May 7, 1896.

Volume XV.
WE GUARANTEE TO MEET IN COMPETITION
any Tailoring concern in this city, in the matter of Fit, Quality, and Price.

HIBBARD, MASON CO.,
FINE TAILORING,
Dress Suits, Silk Lined, to Order, $45. 515 Washington Street, Boston.

THE HOTEL HUNTINGTON,
Copley Square and Huntington Avenue.

STUDENTS’ SUPPLIES.
Blank Books, Note Books, Drawing Papers, Pens, Inks of all kinds, Fountain Pens.

PERIODICALS AND MAGAZINES.
Writing Paper and Envelopes with TECH Monogram and Imprint Paper by the pound, at
SOUTHWELL’S,
Corner Dartmouth Street and Columbus Avenue, and 439 Boylston Street.
2d door from Berkeley Street.

OAK GROVE CREAMERY COMPANY,
DAIRY LUNCH ROOM.
445 BOYLSTON STREET, COR. BERKELEY, opp. Y. M. C. A. Building.
Where can be had Sandwiches of all kinds, Soups, Tea, Coffee, and regular Dairy Lunch.

EVERYTHING FIRST CLASS.
Pure Fresh-churned Butter, in Quarter-pound Prints, Five and Ten Pound Boxes,
Pure, Fresh Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs.
Pure, Full Cream Cheese, American (plain), Sage, Neufchatel and Edam. All kinds of Fruit Ices.

NELSON L. MARTIN.

STUDENTS’ SUPPLIES.

Drawing Instruments and Materials of all kinds
Get the Best!—FOUNTAIN PENS.—Waterman’s is the Best.

Lowest Prices and Finest Quality of Goods Guaranteed.
At Room 10 Engineering Building and Basement of Architectural Building.

R. J. NORMAN.
GYMNASIUM
Physical Culture
Keep in Condition by using our GYMNASIUM.

Boston Young Men's Christian Association,
Boylston and Berkeley Streets.

TERMS, $10 PER YEAR.
MEDICAL SUPERVISION.
FINE APPARATUS.
CONVENIENT LOCKERS.
FREQUENT CLASSES.
FREE INSTRUCTION.
OPEN, 9 A.M. TO 10 P.M.
R. J. ROBERTS, Director.

10 times out of 10
The New York Journal recently offered ten bicycles to the ten winners in a guessing contest, leaving the choice of machine to each.

ALL CHOSE Columbia Bicycles
Nine immediately, and one after he had looked at others. The Journal therefore bought TEN Colombias at $100 each.

On even terms a Columbia will be chosen
TEN times out of TEN.

POPE MANUFACTURING CO.
HARTFORD, CONN.

1898 Art Catalogue for two 2-cent stamps.

Bookbinding
IN EVERY STYLE.
ALEX. MOORE, 3 School Street, BOSTON.

C. E. RICHARDSON,
141—Dartmouth Street—141
FURNISHING GOODS, and Agent for DARTMOUTH LAUNDRY.

Orders by mail receive prompt attention.

J. O. LITTLEFIELD,
Tailor and Outfitter,
21, 23 BEACON STREET, BOSTON.

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order.

GOLF BREECHES, RIDING BREECHES, AND DRESS SUITS A SPECIALTY.
DISCOUNT TO STUDENTS.
HASTINGS...
PHOTOGRAPHER
To the Class of '95, M. I. T.,
Tech Editorial Group '96, and
Tech Institute Committee Group '96.
Special Rates to Students of M. I. T.
$3.50 per doz. for Cabinet Ivorygraphs.
Pastels, Crayons, Water Colors.

No. 146 Tremont Street,
Over Hoyler's.
Branch . . . No. 1068 Boylston Street,
Corner Massachusetts Avenue.

STANDARD CLOTHING CO.,
MANUFACTURING RETAILERS OF
HIGH GRADE CLOTHING
From both Foreign and Domestic Fabrics.
ALSO ADVANCE STYLES IN TROUSERS, SUITS, & OVERCOATS.
Full Dress Suits Constantly on Hand.

395 WASHINGTON ST., - - BOSTON MASS.

THE
Union Gymnasium
48 BOYLSTON ST. (near Tremont).

NEW + MAIL
HIGHEST GRADE LIGHT ROADSTER.

MEN'S AND LADIES' pattern . . . $85
Also TEMPLAR, best medium grade Man's
Wheel . . . . . . . . . . $60
ATALANTA, Ladies' Pattern . . . $60
Boys' and Girls' Wheels . . . . . . $15 up
A few Shopworn and Secondhand Wheels, taken in
trade, at very low prices. Bargains. $25, $30, etc.
Catalogue and Secondhand list.

- - WILLIAM READ & SONS - -
107 WASHINGTON STREET, BOSTON
L. P. HOLLANDER & CO.,
203 to 212 BOYLSTON STREET AND PARK SQUARE.

SPRING FASHIONS IN YOUNG MEN'S CLOTHING.
EVERYTHING WE OFFER FOR SALE IS EXCLUSIVELY OF OUR OWN MANUFACTURE.

SACK SUITS OF TWEEDS AND HOMESPUNS, $18 TO $26.
KNICKERBOCKER SUITS AND TROUSERS OF IRISH AND SCOTCH HOMESPUNS A SPECIALTY.
Silk-lined Covert Coats, $24.

ALSO, NEW STYLE HATS, NECKWEAR, ETC.

Frank Wood,
Printer,
352 Washington Street, Boston.

Reed & Brother,
ESTABLISHED 1848.

INSURANCE,
No. 50 KILBY STREET, BOSTON.

George W. Reed.
HUGNE M. SMITH.
George C. Bosson.


Grinding Machines.
Our machines are made with the intention that they shall be the best in their respective classes. Our tools and appliances for manufacturing we believe are the best attainable. Careful attention is constantly given to insure workmanship of the highest class. Cylindrical bearings are accurately ground; plain bearings are scraped to surface plates; all alignments are made correct. All machinery is subjected to rigid inspection, and in nine cases out of ten to actual operation, and then securely boxed (not simply crated) for safe shipment.
TUTORING IN MATHEMATICS.

F. H. SAFFORD, A.M.,
80 WENDELL ST., CAMBRIDGE.
INSTRUCTOR IN MATHEMATICS, HARVARD UNIVERSITY.

TUTORING.

Mr. WM. HERBERT KING, S.B.
(M. I. T. '94),
Will tutor in First Year Subjects
and
Course IX. Studies.

Box 125, Cage.

The "LINENE" are the best and most economical Collars and Cuffs worn; they are made of fine cloth, both sides finished alike, and, being reversible, one collar is equal to two of any other kind.

They look like linen, and are the only goods that a well-dressed gentleman can wear in place of real linen.

They are not to be washed; all laundry trouble and expense are avoided.

They are perfect-fitting, retaining their shape better than any other goods.

A box of ten Collars or five pairs of Cuffs for twenty-five cents.

A sample Collar and pair of Cuffs by mail for six cents in postage stamps. Name style and size. Address

REVERSIBLE COLLAR CO.,
77 Franklin St., N. Y. 27 Kilby St., Boston.

HOUGHTON & DUTTON.

Pictures, Picture Frames and Mirrors.

No. 3 BEACON STREET—GROUND FLOOR.

We can save you MUCH MONEY on READYMADE FRAMES, which we can sell you for HALF THE PRICE that you would pay for frames made to order.

We also have our own Factory, where we manufacture Mouldings of all descriptions, and can frame your pictures to order at prices far less than you would pay for the same work at picture stores.

We make a specialty of French and German Plate Mirrors of all sizes. Cabinets, Medallion Pictures, etc., etc.

TREMONT AND BEACON STREETS, BOSTON.
THE TECH

CONTINENTAL CLOTHING HOUSE,

MEN'S, BOYS', AND CHILDREN'S CLOTHING,

GENTS' FURNISHINGS, HATS AND CAPS.

Fine custom work made from measure. Uniforms of every description. Special attention given to TECHNOLOGY and ENGLISH HIGH SCHOOL UNIFORMS. Workmanship the best. Prices the lowest.

CONTINENTAL CLOTHING HOUSE,
Corner Washington and Boylston Streets, Boston, Mass.

OF ALL BAR SPRINGS THE FOUR-BAR IS THE BEST

C. E. DAVIS,
Manufacturing and Prescription Optician,

No. 2 Park Square, Rooms 1 and 2, Boston.

MAKER OF THE FINEST CLASS OF PRESCRIPTION OPTICAL WORK AT A SAVING OF 75 PER CENT ON OLD PRICES.

SAMPLE PRICES: Compound Cylinders in Steel (best quality), $2.50. Artificial Human Eyes, to Patient, $4.00. Fifteen per cent special discount to students.

IMPORTER OF ARTIFICIAL EYES.

Why use Pond's Extract? Why not something else? Because—

Dr. J. J. Thomas says: "It is incomparably superior to any extract of Hamamelis I have ever used."

Dr. O. G. Randall says: "Nothing can equal Pond's Extract. I have tested others, and yours is four times as strong as the best."

Dr. J. C. Mitchie says: "Pond's Extract of Hamamelis Virginica is the only reliable article I have found."

Dr. H. K. Weiler says: "The difference between Pond's Extract and so-called 'Witch Hazel' is the difference between a cent and a dollar."

Dr. H. F. Merrill says: "It is far superior to any I have used in strength and purity."

Dr. R. J. Harrison says: "I have never found any extract equal to Pond's."

Dr. Powell says: "Hereafter I shall use no other than Pond's Extract."

And numerous others of similar purpose.

No proprietary article on the market is so much imposed upon as Pond's Extract, but the poor quality of Witch Hazel being manufactured, and the poor results obtained by using it, are fast educating the public to buy the genuine article.—THE WESTERN DRUGGIST.

And that's why.

TOOL CUTTERS

THE L.S. STARRETT COMPANY

ATHOL, MASS.

OUR NEW CATALOGUE—98 pages— the best of modern fine tools for mechanics and draughtsmen. Shall we send you one?

THE L. S. STARRETT Co., Box 82, ATHOL, MASS.
THE LARGEST ASSORTMENT OF FOREIGN WOOLLENS SHOWN IN BOSTON
M.I.T. CO-OPERATIVE.
THE exhibit of the Beaux Arts competition drawings, which was held in the architectural exhibit room, closed May 2d. All those who saw the work must have emphatically indorsed the decision of the jury in awarding our boys the honors. The Institute work is stamped with a grace of proportion and unity lacking to a large extent in the other drawings. This shows, perhaps, the influence of that master of proportion, Professor Despradelles. In picturesqueness the other drawings, especially those of the University of Pennsylvania, were not lacking. The sketchy way in which these latter were rendered was highly attractive, departing as they did in so clever a manner from the strict confines of academic rendering.

Altogether the exhibit does great credit to the rising generation of American architects, a generation which, it is predicted, will press hard their European contemporaries.

The important position of the Institute in original scientific investigation is brought home to us with peculiar force by the work of the Physical Department on the X-rays. The fluoroscope, whose invention is claimed, of course, by the insatiable Edison, was used by Professor Cross weeks before that inventor thought of it. Another very important point, is the use of the frictional machine instead of the induction coil, for exciting the Crookes discharge in photographing with the rays. This method was developed in our laboratories, and gives very much clearer pictures than were obtainable by the use of the induction machines. The Chemical Department is at present engaged in the manufacture of certain compounds used in the preparation of the fluorescing paper, which has risen to enormous prices in the market, on account of the sudden large demand for this purpose. In the elaboration of such experimental methods Technology should, and does, occupy a foremost place on this side of the water.

We notice with much interest the rapid progress that is being made in the growth of debating organizations at the different colleges. It seems, indeed, that the literary side of the Universities is arousing an amount of public enthusiasm almost equal to that excited by athletics. We would, therefore, suggest to the Walker Club, which has been so successful in its last venture, that it would be an admirable opportunity for it to show, by
organizing and conducting regular competitive debates among its members, that such pursuits are as much at home at the Institute as elsewhere. The training already given to the members of the Club in Parliamentary practice would form a basis for such an undertaking if sufficient public interest could be aroused; and later on meetings with representatives from other colleges might easily be arranged.

The showing of the Relay Team at Philadelphia was most encouraging, and should incite our track athletes to redoubled efforts for victory at Worcester. We can turn out a strong team this year, but to do so, loyal and conscientious efforts must be put forth by all. Up to last week no formal call for the men to come out had been issued, which seems strange considering the lateness of the season; but, nevertheless, many have been in training individually. Scarcely more than two weeks now remain before the date set for the event; let every effort then be put forth to repeat the triumph of '94, and to wipe out the disgrace of '95.

As we have been rather sharply criticised by some of the members of Ninety-seven for having published nothing concerning the Junior Dinner, which took place at Young's Hotel on Saturday evening, March 14th, a statement of our position in the matter may not now come amiss.

Unfortunately none of the Editors of THE TECH from Ninety-seven were able to be present at their Class Dinner, and consequently it became necessary to call upon the Class for an account of the event. Several appeals to individual members were made, and as many promises of assistance received, all of which were violated; and as the number issued subsequent to the week of the occurrence of the dinner had appeared, it was decided to defer the publication of the account until the Junior Week Number. One of those directly in charge of the affair was then approached, and we were assured that the desired article would be forthcoming in time to appear with the stories of the Junior Week festivities; again we were disappointed, and, with the feeling that our efforts in behalf of the Class were receiving but poor support at the hands of Ninety-seven, we ceased our attempts and let the matter drop.

It is with the most sincere regret that we announce the resignation of Mr. Sheldon L. Howard from the Board of Editors of THE TECH. Mr. Howard made the board in his Freshman year, and was the first, as he has always been the foremost, representative of Ninety-seven on the paper. He has acted as Editor in Chief from last January up to the present time, and his energy and enthusiasm have been of incalculable value. Mr. Winslow was elected Acting Editor in Chief at the last meeting of the Board.

Mr. Gerard Riotte, '99, has withdrawn from the Institute, and returned to his home in San Jose, Costa Rica. Mr. Riotte will enter Brown next year, and as his reputation as Captain of our Freshman Football team has undoubtedly preceded him there, we shall expect to see him speedily attain prominence in athletics at Providence.

Calendar.

Thursday, May 7: '98 vs. Somerville High School at Somerville. Meeting of Geological Society in Room 14, Rogers, at 4.15 P. M.
Saturday, May 9: Meeting of Y. M. C. A.
Monday, May 11: Meeting of L'Avenir.
Tuesday, May 12: Meeting of Biological Society in Room 14, at 12 o'clock.
Communications.

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

To the Editors of The Tech:

In spite of the fact that the Freshman Drill Committee have been doing their best to make the final arrangements for the Intercollegiate Drills, certain members of the Class have thought it best to criticise the action of their representatives in some minor details.

After carefully considering the matter, the committee decided to have for ushers at the Drill commissioned officers from Boston and suburban school battalions. The difference between the exhibition of this and past years is very marked. As the competition is to be by battalion this year, it will be clearly seen that every man will be needed from the time of assembly until the end of the drill, and hence the only available '99 men are the "generals" of Course B, who, doubtless, owing to their "infirmities" would not be able to serve.

No one knows any better than certain members of the committee who have served in that capacity the actual duties of an usher in Mechanic's Hall, and so out of consideration for the upper class men they did not thrust the task on them. Another, and a very important, consideration is that the uniformed High School officers will be very conspicuous, which will make them much more efficient. In fact, the only reward held out to them for their services is the chance to "show off." Now if the two or three who have criticised so severely, would really like to be conspicuous and "show off," doubtless their valuable services could be spared from the battalion, and the committee could attach them to some of the sections on the floor. There isn't so very much difference between a Prep. School Senior and a College freshman after all.

Q., '99.

To the Editors of The Tech:

The two Societies of Der Deutsche Verein and L'Avenir wish to thank Professors Van Daell, Dippold, Vogel, and Blachstein for their kind services rendered to the two Societies in giving the lecture course.

The amount realized by the lectures will help towards meeting the most urgent debts of the two Societies; an object which could not have been accomplished without the generous assistance of the above named professors.

Signed,

H. V. Von Holst,
President of Der Deutsche Verein.

Wm. Otis Sawtelle,
President of L'Avenir.

The Intercollegiate Drill.

On Friday evening, May 15th, there will be held, under the auspices of the M. I. T. cadet corps, an intercollegiate drill, which will be participated in by Brown University, the Massachusetts Agricultural College, and Harvard. For several years it has been the custom for the Technology Battalion to arrange for a competitive or an exhibition drill, to be held shortly before the close of the school year, but the affair this year will be upon a very much larger scale than any of the previous drills. The large hall in Mechanics Building has been secured for the occasion, thus affording ample space for the battalion competition between the Brown and Technology organizations. This will doubtless prove the most interesting feature of the evening, although the individual contest, in which each of the four above-mentioned colleges will be represented by twelve men, is expected to be close and exciting. A silk flag will be the prize for the winning battalion; and for the individual contest, a gold medal and a silver medal will constitute the first and second prizes respectively.

The battalion from Providence will arrive at Park Square Station about three o'clock, and will be met by the Technology Battalion and escorted, past the Institute, to the Hall, where later in the afternoon supper will be served for them, and also for the squads from Cambridge and Amherst.

The doors of the Hall will be opened at half past six, and at half past seven the drill will commence with a regimental parade, in-
cluding all of the contestants. This will be followed by the Individual Contest, and then by the Battalion Drill, the Technology Battalion drilling first. Music will be furnished between the several events by the Salem Cadet Band, the Brown University Cadet Band, and the Technology Field Music Corps.

The Judges will be Messrs. Wilbur E. Wilder, Captain Fourth Cavalry, Adjutant of the Military Academy at West Point; E. St. J. Grebel, First Lieutenant, Second Artillery, Regimental Adjutant; and Henry C. Hodges, Jr., First Lieutenant Twenty-second Infantry, Professor of Military Science and Tactics at the New Hampshire College of Agriculture. The prizes will be presented by His Excellency, the Acting-Governor of Massachusetts, Roger Wolcott.

It is expected that the drill will be over about half past nine, and there will be dancing from ten until twelve; music by Salem Cadet Band.

publication of Technology news in the various weekly and daily papers throughout the country. This is one of the most difficult problems which has been undertaken by the Committee, and though efforts have been made by the several Committees during the last four years, no permanent results have been obtained.

The two most practical suggestions for securing representation in the papers of the various sections of the country were, first, that the Committee should encourage the formation of clubs among the men from the various sections, and try through them to create an interest in Institute news in those localities; and, second, that there should be published from time to time, whenever there was news enough to make it advisable, a semi-official bulletin, which should be sent to all papers which were willing to make use of it. In this way, a large number of papers of towns and smaller cities could be reached and furnished with reliable information.

As President Walker said, however, such a bulletin must be carefully prepared, and should be of a character likely to give an idea of the work at Technology, such as is gotten by a person visiting the various departments, lest by the meagerness or bad choice of the items, a wrong impression should be conveyed. Again, such a step should be taken only after careful consideration, for having been once begun, a failure might destroy all that had been gained.

In order that an idea might be formed of the character of such a bulletin, a committee, consisting of Messrs. Humphreys, Hall, Hutchinson, and Willis was appointed to prepare several samples, with the aid of Dr. Tyler. Reference was also made to the great disadvantages under which the Institute Committee labors, since, owing to the fact that the members are not elected until the fall, it is nearly a month and a half after the beginning of the term before the Committee can be assembled.
Circulars for the summer courses were distributed last week.

Lieut. Harry Hawthorne, late of the Institute, has a poem in the May Munsey.

Mr. Luther Conant, IX, '96, has a position on the Journal of Commerce, New York.

President Walker has been appointed one of the Trustees of the Boston Public Library.

Wellesley and Lasell are to have whole sections at the Competitive Drill at Mechanics Hall.

Mr. Frank Bird Masters is drawing illustrations for a new Boston weekly called Time and the Hour.

The class game between '98 and '99 will take place Wednesday, May 20th, at the South End grounds.

At the last meeting of the Geological Club Professor Crosby spoke upon the "Geological History of Stony Brook."

Professor Burton has made a visit to Maine, in order to see about securing a place for the summer school of surveying.

The Lark, the most daring and witty of the new weeklies, is edited by Gelett Burgess, who graduated from the Institute in '87 and edited the first volume of "Technique."

There were six posters in the corridor at one time last week. Surely our prediction that class meetings, etc., were soon to be heralded by flashing affiches is nearly verified.

Messrs. Page and Riddle, Course XIII., Freshman year, through the courtesy of Builder Cramp, spent a day on the new battleship Massachusetts during her stay in Boston Harbor.

At present but 1,200 seats have been sold for the Intercollegiate Drill. To make the drill a success financially, at least 2,000 seats must be sold, but the prospect of reaching this number is somewhat doubtful.

Entries for the Tennis Tournament close to-day with V. R. Lansingh and M. F. Ewen. The tournament begins on Saturday, and is for association members only. First and second prizes will be given in singles and doubles.

Several letters have been posted in the architectural building from architects applying for draughtsmen among the students. Such applications speak well for Technology ability, as the supply of draughtsmen usually exceeds the demand.

A goodly number of Technology men turned out for the game between '98 and the Harvard Freshmen. This was partly, doubtless, due to the fact that a public-spirited instructor dismissed his class early on purpose that they might attend.

It is with regret that we announce an oversight in our last number. The stock Local "The wooden steps have been removed from in front of the Rogers Building," was overlooked. This is the first time in many years that the Board has been so negligent in this matter.

It would be a great convenience if some arrangement could be made between the Professors to have the printed notes on Physics, Optics and Heat bound up together and sold in a cover which would keep them from the rapid destruction which overtakes the present pamphlets.

Those wishing to reach Newton Centre or Newton Highlands by special electric car and Barge after the Drill, May 15th, may make arrangements to do so by addressing M. A.
Holmes, Newton Highlands, immediately. The number guaranteed to be in the party should be stated.

At the last meeting of the Chicago Club the following officers were elected for the ensuing year. President, H. P. Beers, '97; Vice President, E. R. Heissler, '97; Secretary, W. G. Zimmermann, '98; Treasurer, H. F. Hoit, '97. Executive Committee, R. G. Holabird, '99, D. E. Gray, '99.

At a special meeting of '99, held Tuesday the 28th, it was voted not to sustain the committee in charge of the Intercollegiate Drill in its choice of the Latin and High School officers as ushers at the May Drill. A committee was chosen to draft resolutions on the death of Parker Reed McLauthlin.

On account of the number of outside tests which are being carried on at the same time by the members of the Senior Class, Professor Miller has had some difficulty in supplying the necessary apparatus, especially indicators. The Department owns twelve of these, but it was found necessary to borrow six more.

A meeting of Der Deutsche Verein was held last Friday. Mr. Blachstein gave a very interesting talk on the life of Fritz Reuter, and read a selection from the same author. Mr. von Holst presented a comedy, "Ein Flotter Student," which illustrated the gayer side of the German student. The Society passed a vote of thanks to the Professors who lectured to raise its debt. Messrs. Jackson, '97, Potter, '97, and Werner, '99, were elected to the society.

The interest among the Freshmen in the coming Intercollegiate Drill is manifest in the attendance at the extra drills held by the different companies. It has been deemed advisable to reduce the company formations to sixteen file front for the competitive Drill in order to secure uniformity, and also more room for the battalion dress parade. Accordingly, at the extra battalion drill held Friday, May 1st, men were chosen to represent the respective companies at the drill. It is understood that Brown will follow the same plan.

Programmes of the summer courses which it is proposed to hold at the Institute this year may now be had at the Secretary’s office. In addition to courses in Mathematics, Chemistry, Biology, Physics, Architecture, Drawing, and Descriptive Geometry, which were given last year, it is proposed to give courses in American History, Mechanism, and Shopwork if a sufficient number of applications are received. At the close of certain of the courses examinations will be held, the results of which will be accepted by the Faculty as equivalent to those of the regular examinations.

Mr. Charles L. Norton delivered an interesting lecture on the X-rays to the Sophomore class in Physics last Wednesday. He detailed the recent improvements in X-ray Photography, exhibited specimen photographs, and took one picture which was developed during the course of the lecture. He spoke of the improvements introduced in the process at the Institute, and related instances of the accuracy of observation of the internal organs which is attainable; for instance the tracing of the limits of disease in the lungs, enlargement of the heart, and various other organic disorders.

The annual meeting of the Co-operative Society was held Saturday, April 25th, with the President, Mr. H. G. Fisk, in the chair. Routine business being transacted, the election of officers for the ensuing year was held, resulting as follows: F. N. Le Baron, '97, President; A. W. Grosvenor, '98, Vice President; T. E. Tallmadge, '98, Secretary; A. D. Maclachlan, Treasurer. Mr. Maclachlan, the treasurer, reported that during the past year the Society has disbursed $400, representing four half-scholarships. The resignation of Mr. Willis from the Society was accepted.
The last three problems in third-year design have been mentioned by Professor Despradelles. The following mentions were made on the design for a small lecture hall: Firsts, Hoit, Seaver, Holmes. Seconds,—Furbush, Robinson, Videto. Thirds,—Sawyer, Oliver, Baumann, Vahlkamp, Gerber, Hazeltine. The following received the mentions for designs of a music pavilion: Firsts,—Spring, Seaver, Hoit. Seconds,—Robinson, Baumann, Dwyer. For the Sketch Problem of a small city hall, the following received mention: First,—Videto. Second,—Hazeltine. Third,—Bourne. Fourth,—Seaver.

The Y. M. C. A. meeting on Saturday last was devoted to a consideration of the Eleventh Annual Students' Conference, which is to be held in Northfield this summer, from June 26th to July 5th. Mr. H. G. Dorman, of Harvard, presided, and described the purpose and scope of the conference. All the regular departments of the conference will be continued. The following names promise one of the strongest groups of speakers that has ever met on the Northfield platform: Rev. Alexander McKenzie, D.D., of Cambridge, Mass.; Rev. R. A. Torrey, of Chicago; Professor Robert E. Thompson, Philadelphia; Mr. Charles T. Studd, B.A., Cambridge University, '83; Mr. S. M. Sayford; Mr. Robert E. Speer, New York City, and Dwight L. Moody. The officers of the Association desire to have Technology represented by a numerous delegation. Representatives will come from colleges in all parts of the world, from the South, the West, Great Britain, Scandinavia, Germany, India, and Japan. Yale sent over fifty delegates last year. All students who would like to see Technology well represented can obtain particulars from George I. Fiske, '97, or Mr. R. E. Lewis, Intercollegiate Secretary.

Watertown Arsenal was the spot selected for the field day of the students in Military Engineering on Tuesday of last week. The day's work was the planning and laying out of a fort. Every position was gone over and discussed by the class, and stakes were put out marking the extreme limits of the position. Then the field was viewed as a whole, and a site selected which would combine not only good offensive but good defensive qualities. Poles were erected every twenty feet along the line of fortification, and sawed off at the height of the superior crest or highest point of the parapet. These heights were obtained by defilading, which is a process of finding how high the superior crest must be in order to give protection a certain distance behind. Light wooden frames were then made, which represented a profile of the parapet. These frames were erected by the poles, and strings were run from angle to angle, thus making a skeleton of the whole parapet. Calculations were made to find the size of the entrenchment and ditch necessary to furnish the earth for the parapet. When this work was finished Captain Bigelow surprised the class by giving them picks and shovels and putting them to work on hasty entrenchments. The different squads went at it so hard that they did the work in one fourth the regulation time. The largest entrenchment was about $12 \times 5 \times 4$ feet deep and gave ample protection against artillery. For lunch part of the class ate at the mess the regulation beans, dry bread, and coffee.

A PINK.
The flower to me,
With shy consent and blushing glance;
Nor did the movement of the dance
Its fragrance from her bosom free.
Of me she little knows or cares,
For only once or twice we've met;
And her young life's to music set
Of other than Love's stormy airs.
She gave this blossom to a friend,
An honored friend of hers and mine,
A tribute of respect, a sign
In which both Love and Duty blend.
Then for the thoughtful courtesy
Of her who n'er my love shall know,
I hold this token dear, although
She did not give the flower to me.
The new president of Kenyon college, in Ohio, is but twenty-eight years of age.

There are at present seventeen Freshmen trying for the Harvard Crimson. Moral: Go thou and do likewise.

A senior honorary society, the "Sarcophagus," whose membership is limited to fourteen, has been formed at Amherst.

The four hundred and twenty-four colleges with classical courses in Germany have graduated 19,600 men in the last three years.

Upon April 21st a bill passed the United States Senate which may have an important bearing on the choice of a course for the boat race between Harvard, Columbia, Cornell and the University of Pennsylvania. The bill provides that during the progress of any regatta, amateur or professional, in navigable waters, the Secretary of the Treasury may take such steps as may be necessary to insure the safety of passengers on excursion steamers, by detailing revenue cutters to enforce such rules and regulations as may be adopted. In case the bill passes the House of Representatives it will provide for the proper policing in an official manner of the course at Poughkeepsie, where it has been proposed to hold the race. Three of the four colleges represented upon the regatta committee preferred Saratoga to Poughkeepsie, owing largely to the fact that the latter course was liable to be obstructed by excursion steamers, so that the passage of this bill should operate favorably for Poughkeepsie's chances.

Our relay team was invited to make some stay in Philadelphia, by one of the clubs there.

The Athletic Association of the University of Wisconsin has given a dance to raise funds for its teams.

The Columbia varsity crew took possession of their new $20,000 boathouse on the Hudson on Tuesday.

Ninety-nine was defeated last week by the Brown Freshmen, by the score of 17-5. Brown made seven runs in each of two innings.

It will cost $10,000 to send the Yale crew to Henley this year. This sum is to be subscribed by the alumni and the undergraduates.

Hoyt, the pole vaulter who recently went to Athens, has left Harvard. This seriously injures Harvard's chances in the Mott Haven games.

A tape or measuring pole is badly needed in the Gymnasium. If the Athletic Association could place one there, it would be a great convenience.

On April 30th the '98 Baseball team went to Exeter and was defeated by a score of 9-3. Nolte and Delano both pitched well, and Hubbard and Muhlig each made a star play. The home team made most of its runs in the sixth inning.

The Sophomore team was defeated by Harvard '99, by the score of 15-9. Delano pitched a good game for '98, and Harvard's runs were made on the wretched playing of the infield. The first four innings of the game were close and exciting.
The track athlete once more begins to be abroad in the land. With the approach of spring the budding hopes of Technology again put forth tender shoots of green, which will not, the Lounger hopes, be nipped by such a cruel frost as the freeze-out of last year. The above sentence is recommended for the study of those interested in the subject of style, as an example of an unusually complete and rounded simile. However, the runner and the walker, the jumper and the hurdler, have been of late disporting themselves daily by the side of the placid Charles, or by that of the Boston & Albany Railroad, and many a crimson T is seen to shine over a proud breast. These precious insignia, by-the-by, should indicate that the wearers have won points, or at least competed for Technology, against some other college. The Lounger fears that such an interpretation would not always coincide with the facts; and perhaps several aspiring youths might with advantage be informed that the fact of having been chosen seventh substitute on a team does not confer the right to wear a Technology sweater. Neither does the fact that one has played on a course football team or taken part in a cane rush carry such a privilege.

As the time for the approach of the “coming class” draws nearer, the Lounger cannot help feeling somewhat concerned about the cognomen by which this as yet unfledged birdling will be known of men. “Zero-zeros,” and “Double Ciphers” are terms which perhaps might be taken as derogatory to the value and importance of a distinguished body. “Naughty-naughts,” also savors somewhat of disrespect. Whatever be its nom de guerre, the class in question will doubtless have an unpleasant few weeks while the doughy sons of ’99, are proving they are no longer Freshmen, by revenging the cruel deceptions of ’98 upon an innocent victim: ’00 will need all the Lounger's fatherly advice, and all the aid of the re-doubted Junior Class-to-be, that it may not be strangled by the fumes from the deadly Class Pipe of the then-Sophomores.

Ninety-nine appears to be undergoing some difficulty about those unfortunate ushers for its famous drill. The wiser element in the class took the Lounger's remarks upon the subject to heart, and called a meeting which refused to sanction the action of the Drill Committee. So far so good. No class ever went wrong by following out wise counsel. Some discontented spirits, nevertheless, cannot abide by this second result, whereof a certain communication published in this paper bears witness. The author of this document assumes that those who object to the employment of High School War Dogs as ushers, are actuated by motives of personal envy. So far as the Lounger himself is concerned he begs to state that he personally has not the slightest desire to appear in any official capacity on that festal occasion, and coincides heartily with the writer's eulogy of the generosity of ’99 in not demanding that the upper classes in general should undertake the duties of guide through the mazes of Mechanics. The last sentence in the letter states that there is not so much difference after all between a High School Senior and a College Freshman, which fact the letter proves, for one case, at least.

The Lounger hears with mingled awe and pleasure of the honor lately conferred upon that august body, the Institute Committee. The holiest of holies was opened for their conclave, at which the President and the Secretary of the Institute attended in person! It is easy to fancy the even more than usual majesty with which each of the elect delivered his impressive phrases before such an inspiring audience. Did not their manly bosoms thrill with an unwonted pride? Did not their hearts beat with an unusual velocity? Did not these hitherto modest and retiring gentry begin for the first time to realize their important position as mediators between the faculty and the student body? Truly, yes; for it is on record that in the intoxication of pride and joy the Committee almost forgot itself, and came within a hair's breadth of doing something. The counsels of the more clear-headed, however, prevailed. Precedent was appealed to, and the ancient policy of the body was sustained.
THE LAMENT OF A CORPSE.

Why do men stoop so low that they
Will meddle with our clay,
And not content with this they're wont
To give us dead away?

—The Tablet.

THE GOLDEN RULE.

I asked of my love in the gloaming
What made her so good and so true,
And she answered me then softly smiling,—
"An evil you never can do
If you would do unto others
As you would they should do unto you."

I kissed my sweet love in the gloaming;
It could not be sinful, you see,
Since I only did unto another
What I would she would do unto me.

—Dartmouth Lit.

THE ARBUTUS.

Like some lone maiden in a woodland glade,
Sporting apart without a thought or care,
Who sees the sudden stranger standing there,
Then turns to hide, half curious, half afraid,
Holding across her breast's unconquered space
One hand, which hardly serves to hide the sight,
While with a movement of untutored grace
She checks her hair, which blows in wild delight
And clings in love-locks on her blushing face—
So fair arbutus, 'neath the secret shade
Of leaves that dimly screen new budding grace,
You try to hide your charms, and so evade
Unwelcome suitors to your forest place;
While you blush crimson like a maiden gay
When to her listening heart love throws its first sweet lay.

—The Tablet.

"MINGLE THE SWEET WITH THE USEFUL."

This proverb caught the milkman's eye,
And turning to his daughter,
Said he, "Let's mix this fresh, sweet milk
With lots of useful water."

—Trinity.

Forget not, brother singer! that though prose
Can never be too truthful or too wise,
Song is not truth, not wisdom, but the rose
Upon truth's lips, the light in wisdom's eyes.

—Bachelor of Arts.

A PARADOX.

I met a young fellow with whom I'm acquainted;
His manner was gloomy, his aspect was sad;
And never an artist on canvas has painted
So doleful a look as his countenance had.
I gazed at him; wondering much as I passed him
What grief was affecting this misanthrope churl,
And turning aside for a moment, I asked him,
"What causes your sorrow?" He answered,
"A Girl."

I met the same fellow a day or two after:
His manner was sprightly; his aspect was gay;
He shone with good humor; he bubbled with laughter;
As bright as the sky on a fine summer day.
I gazed at him, wondering much as I passed him
At this transformation of yesterday's churl,
And turning aside for a moment, I asked him,
"What causes your gladness?" He answered,
"A Girl."

—Williams Lit.

"FRESHMAN LOVE."

Unhappy he whom hopeless love devours,
Who loves in vein, despairing of success;
In sad despondency he spends his hours
With woeful thoughts, his heart full of distress.
The day has lost its brightness and attractions;
He fosters sentimental thoughts at night;
In Math. confuses radicals and fractions,
And thinks that Pol. Econ. is "out of sight."
He walks about, unhappiness displaying;
Writes poetry of suicide and gore;
He daily leaves the lunch-room without paying;
When seated, gazes blankly at the floor.
He wants to be thought grouchy, life-sick, bored,
And curses ev'ry Senior, Junior, Soph.,
And thinking of the cruel heart's-adored,
He says, "Good morning, Charlie," to a Prof.
His father thinks "the boy will get consumption";
His mother says that "Willie works too hard";
His friends think "twould not be a false assumption
To think his mental faculties were marred."

—The Morningside.

PRACTICE WHAT YOU PREACH.

"The Lord helps those who help themselves,"
The pious parson teache,
And then he rales against the thieves
Who practice what he preache.

—Trinity.
NOYES BROTHERS.

OPENING OF

HUMBER BICYCLES

AND LADIES' AND MEN'S OUTING GOODS.

2,000 of the Choicest Styles we have ever shown, and all Exclusive Patterns in Madras, Cheviots, Oxford Cloths and French Flannels.

Orders will be taken for Ladies' Golf Waists, Ladies' Shirts, Shirt Waists, Jackets, Skirts and Entire Suits, or sold by the yard in Dress patterns, if desired. Also for Children's wear.

For Men's and Youths' Business, Neglige and Outing Shirts. Dress and Business Shirts, $1.50, $2.00, $2.50 and upward. Neglige Shirts, $1.50, $2.00 and upward.

PAJAMAS or East India Sleeping Shirts, and Long Night Shirts, made from English Flannels, Cotton and Silk, for steamer, sleeping car, yachting, or hunting.

NOYES BROTHERS,

Washington and Summer Sts., Boston, Mass., U. S. A.

Established 1828.

CHAUNCY HALL SCHOOL

HAS LONG MADE A SPECIALTY OF PREPARATION FOR

TECHNOLOGY.

REFERENCE is made to the INSTITUTE FACULTY in regard to the thoroughness with which Chauncy-Hall pupils are fitted, not only for entering the Institute, but also for pursuing successfully their subsequent work. Preparation, also, for business and for college.

893 Boylston Street, Boston.

(Very near the Institute.)

If You Draw,

PURCHASE YOUR . . .

Drafting Instruments,
 Drawing and Blue Process Papers,
 Scales, Triangles, Curves,
 T Squares, Colors, etc.,

FROM THE MANUFACTURERS.

Wadsworth, Howland & Co.,
 INCORPORATED,
 Branch Store: Grundmann Studios,
 adjoining Architectural Building.
 Main Office: 82 & 84 Washington St., Boston.
 Factories: Malden, Mass.

SPECIAL RATES TO STUDENTS.
ALBERT BENARI,
Tobacconist,
33 TREMONT STREET, BOSTON, MASS.
Cigarettes, Tobacco, and Smokers' Articles.
Agent for Hale's Smoking Mixture.

DAMRELL & UPHAM,
The Old Corner Bookstore,
283 Washington St., Boston.

DR. CHARLES P. VESPER,
DENTIST,
194 Boylston Street, opp. Public Garden,
Boston.

GLASS-DAY INVITATIONS,
BLANK BOOKS, FOUNTAIN PENS,
CAN BE FOUND AT THE CO-OPERATIVE STORE,
H. H. CARTER & CO., 5 Somerset St., near Beacon.

MANDOLIN, Banjo and Guitar Lessons.
Instruments, Best Strings, Latest Music, etc.
G. L. LANSING, No. 171 Tremont St.
Ask for Mr. Lansing.

Gentlemen! I wish to call your attention to the
fact that I am paying the highest Cash Prices for Cast-off Clothing. Also
Cleaning and Repairing done at short notice.
Money to loan. Send postal to .
M. REEZER,
117 I-2 Pleasant Street, Boston.
I can be found outside the Technology Buildings on Boylston St. daily.

MESSER & JONES,
Makers of
Men's Clothes,
388 Washington St., Boston.

RIDING, KNICKER AND GOLF WORK
A Specialty.

New Tech Pin.
HENRY GUILD & SON
Have the best Tech Pin yet for 75 cents; also a combina-
tion of gold and silver for $1.25. For sale at the
Institute and 433 Washington St., Boston.

STUDENTS
Are using Boston Linen, Boston Bond and Bunk-
er Hill Papers and Envelopes in the different Colleges and
Seminaris throughout the United States. We have over 250 varieties
from which they select.

S. A. WOODS MACHINE CO.
172 High Street, Boston.

COLUMBIA TAILORING ROOMS,
Ladies' and Gents'
FINE * TAILORING.
DRESS SUITS TO LET.
Fancy Dyeing and Cleansing. Goods called for
and delivered free.
597 I-2 TREMONT ST., BOSTON.
I. SHEINWALD, Manager.

PHILADELPHIA ICE CREAM COMPANY,
150 Tremont Street, Boston.
Telephone No. 1060.
E. M. LAWS, Prop.
Ice Cream Soda a Specialty.
Afternoon Delivery to Brookline and Highlands.

TECH Trade Solicited.
REPAIRING, ALTERING, AND PRESSING
Done promptly and in satisfactory manner.
Latest Style GARMENTS Made.
A. MOSMAN, 423 Boylston Street
(near Berkeley Street).

CHAS. C. HUTCHINSON,
SURVEYING INSTRUMENTS,
Charts, Books, and Compasses.
150 AND 152 STATE ST., BOSTON.
ARCHITECTURAL PHOTOGRAPHS,
The Largest Collection in America.

All the best Public Buildings, Churches, Private Houses, and Business Blocks in Boston and New York. Richardson's Works of Importance from all over New England. Also a complete line of

Art Photographs for Room Decoration.

Students Welcome to Examine, Whether Desiring to Purchase or Not.

SOULE PHOTOGRAPH CO., Publishers,
338 Washington Street, Boston.

FALL GOODS NOW READY.

OF HAMILTON PLACE BOSTON.

Castle Square Theatre.—"Les Huguenots" is the latest triumph of the Castle Square Company, and has made the opening week of the summer season a grand success; and it was a great pleasure to the public to again welcome the Boston Ideal Banjo, Mandolin, and Guitar Club to make the intermissions a perfect delight instead of weary waits.

Boston Theatre.—James A. Herne is again in Boston interpreting his ideal interpretation of Nathaniel Berry in "Shore Acres." This beautiful rural play is universally acknowledged as an American dramatic masterpiece. The Company is good, and not a little interest is attached to the fact that Miss Florence Enneking, the artist's daughter, makes her debut with this engagement.

Park Theatre.—A new play, "The Village Postmaster," will open an engagement at the Park Theatre. The play is by Alice E. Ives and Jerome H. Eddy, and promises to be a great success in the way of a rural play.

Hollis Street Theatre.—Don't fail to see "The Sporting Duchess" at the Hollis Theatre; it is the play of the season. It is small wonder the play ran successfully for 300 nights in New York. To see it once only produces a mad desire to see it again; the brilliant bon mots of the Duchess in this society play are alone worth going to hear.

LEADING OUTFITTERS
OF
High Grade Mackintoshes
AT POPULAR PRICES.
For the Principal Colleges in New England, Regular Co-operative Discounts.

CLEVE & KRIM,
Metropolitan Rubber Co.
49 Summer Street, Boston.

Shoes of Sense

Full of comfort from toe to heel—wear like a good shoe should wear ....

Thayer, McNeil & Co.,
47 Temple Place, Boston.
F. L. DUNNE,
Maker of Men's Clothes.

THE LATEST LONDON NOVELTIES
FOR MORNING, AFTERNOON AND
EVENING WEAR.
SOME NEW, EXCLUSIVE STYLES
IN RIDING BREECHES AND GOLF
SUITS.

TRANSCRIPT BUILDING, BOSTON.

COWLES ART SCHOOL,
145 Dartmouth Street.

Special attention given to Evening Classes for Tech
Students in life and cast drawing.

Address —
F. M. COWLES, Manager.

Tuition, $4.00 per Month.
Three Evenings per Week.

THE BRUNSWICK
BOSTON.

Boylston and Clarendon Streets,
(Adjoining Copley Square)
Near the Museum of Fine Arts,
New Public Library, New Old
South Church, and opposite
Trinity (Phillips Brooks')
Church, and Institute
of Technology.

HELPED ON BOTH AMERICAN AND
EUROPEAN PLANS.

BARNES & DUNKLEE, Proprietors.
H. H. BARNES, Manager.

WRIGHT & DITSON,
Fine Athletic Supplies

OUTFITTERS TO THE LEADING NEW ENGLAND COLLEGES.
Lawn Tennis, Baseball, Golf, Uniforms and Supplies. Wright & Ditson’s celebrated Tennis Rackets
and Official Lawn Tennis Ball, adopted by the National Lawn Tennis Association, and must
be used in all games. Baseball Supplies, Balls, Bats, Mitts, Masks, Chest Protectors, etc.
Mail Orders will receive prompt and careful attention.

WRIGHT & DITSON, Boston, Mass.
Wholesale, 95 Pearl Street.
Retail, 344 Washington Street

DAME, STODDARD & KENDALL.

We are making a specialty of
FOOTBALL AND GYMNASIUM CLOTHING.
Also carry everything pertaining to Football and Gymnasium Purposes

NO. 374 WASHINGTON AND NO. 2 FRANKLIN STREETS, BOSTON.

Damp, Stoddard & Kendall.

Discount to Tech students.
The Richmond Straight Cut No. 1 Cigarettes.

Cigarette Smokers who are willing to pay a little more than the price charged for the ordinary trade cigarettes, will find this brand superior to all others.

These Cigarettes are made from the brightest, most delicately flavored, and highest cost Gold Leaf grown in Virginia. This is the Old and Original Brand of Straight Cut Cigarettes, and was brought out by us in the year 1875.

Beware of imitations, and observe that the firm name as below is on every package.

ALLEN & GINTER
THE AMERICAN TOBACCO CO., SUCCESSOR,
Manufacturer, RICHMOND, VIRGINIA.

QUICK LUNCH
BOYLSTON CAFÉ,
A. ALGAR, Proprietor.
707 BOYLSTON ST., corner Exeter.

HOTEL PLAZA,
419 Columbus Ave., Boston.

Pioneer of the new hotel center in Boston. Noted for its superb location, superior rooms, excellent cuisine and service. Standard hotel for giving more value for price than any first-class hotel in city.

BARBER SHOP
Everything in connection first class.
College work solicited.
Shaving, 10 cents.

BILLIARD ROOM

F. S. FROST, Pres. H. A. LAWRENCE, Treas. H. C. GARDNER, Sec'y
THE RIGHT PLACE TO BUY
MATHEMATICAL INSTRUMENTS,
Colors, Drawing Papers, Blue Process Papers, T-Squares, Scales, Curves, Triangles, and all kinds of Architects' and Engineers' Supplies and Artists' Materials
AND PICTURE FRAMES, IS AT
FROST & ADAMS CO., 37 CORNHILL,
BOSTON, MASS.
NEW CATALOGUE FREE ON APPLICATION. Importers, Wholesale and Retail Dealers.
Special Rates to the M. I. T. Students.
"GET A REGAL ON."

Technology Boys wear them.

100 STYLES. $3.50 109 Summer St., BOSTON, MASS.

"FROM US TO YOU."

A PAIR.

NOTICE our Window Exhibits.

PRACTICAL TAILORS.

3 and 4 Park Street, (jst E 2nd Floor)

ALLAND BROS.

HIGH CLASS TAILORING.

Suitings and Overcoatings.

at Reasonable Prices

Dress Suits from all fashionable cloth and linens, $5.00 and upward.

TROUSERS, $3.50 and upward.

NECKWEAR

L. E. FLETCHER & CO.

College Hatters and Outfitters.

Latest Styles and Popular Prices. Custom Shirts a Specialty.

M. I. T. CO-OPERATIVE SOCIETY.

No. 158 Boylston Street, Boston.

UMBRELLAS

GLOVES

CANES