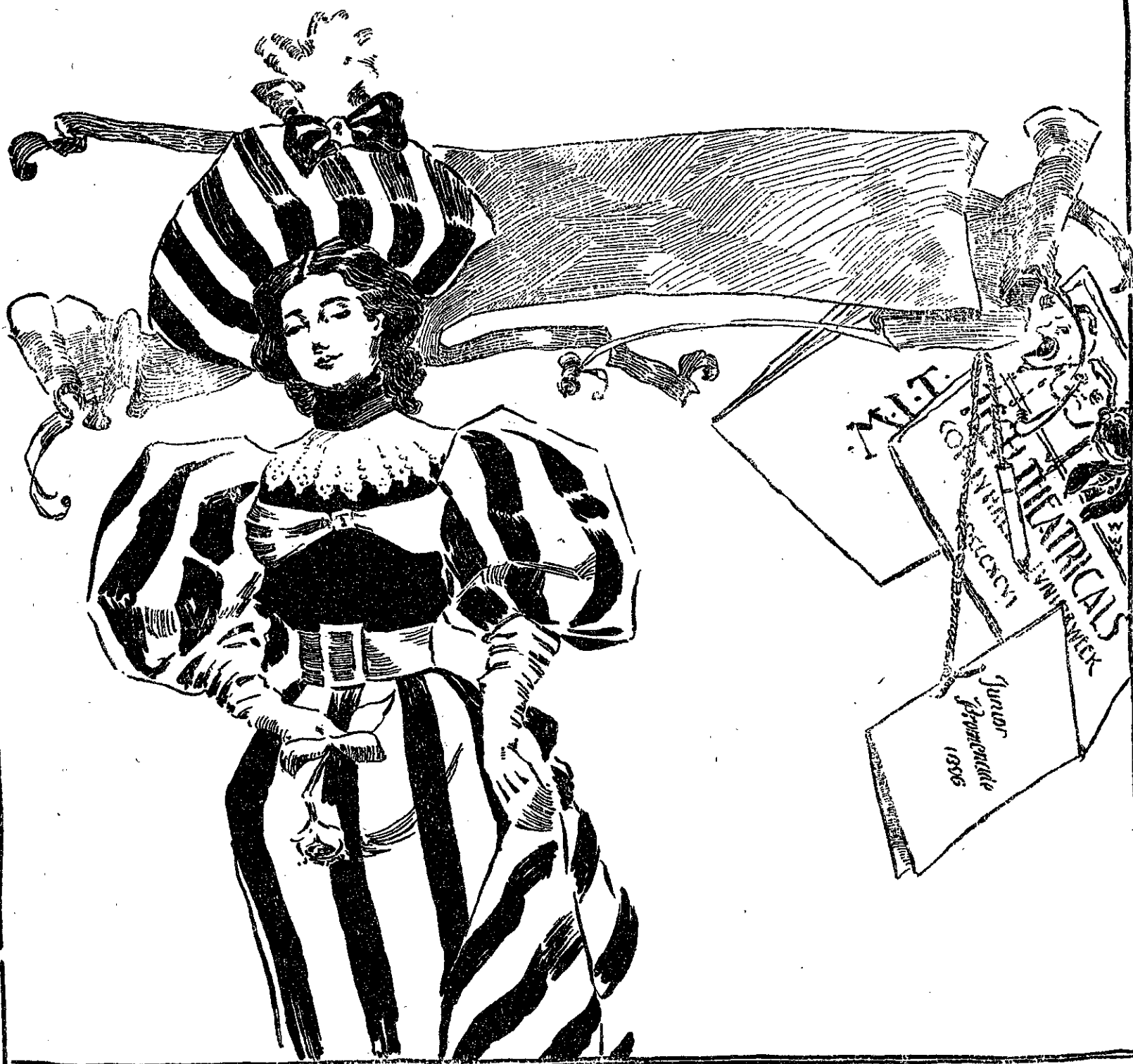


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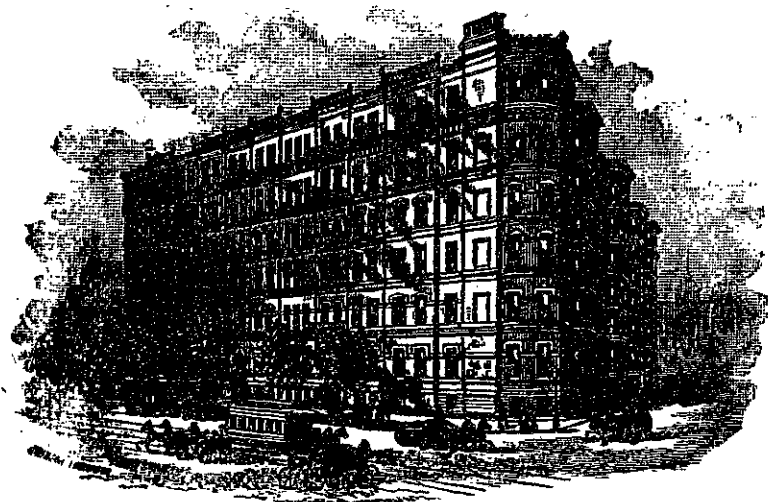
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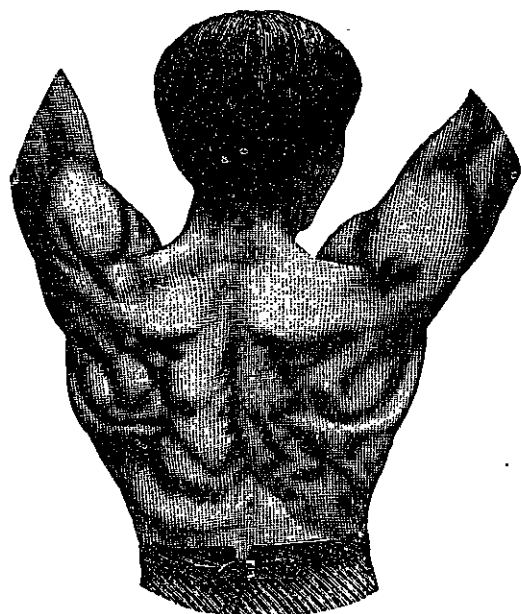
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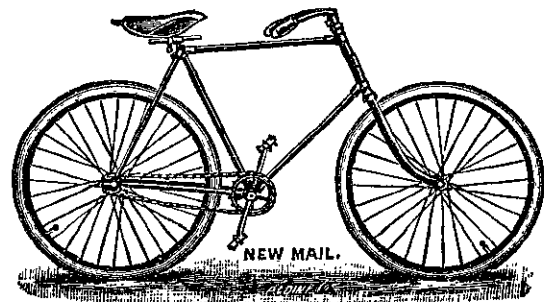
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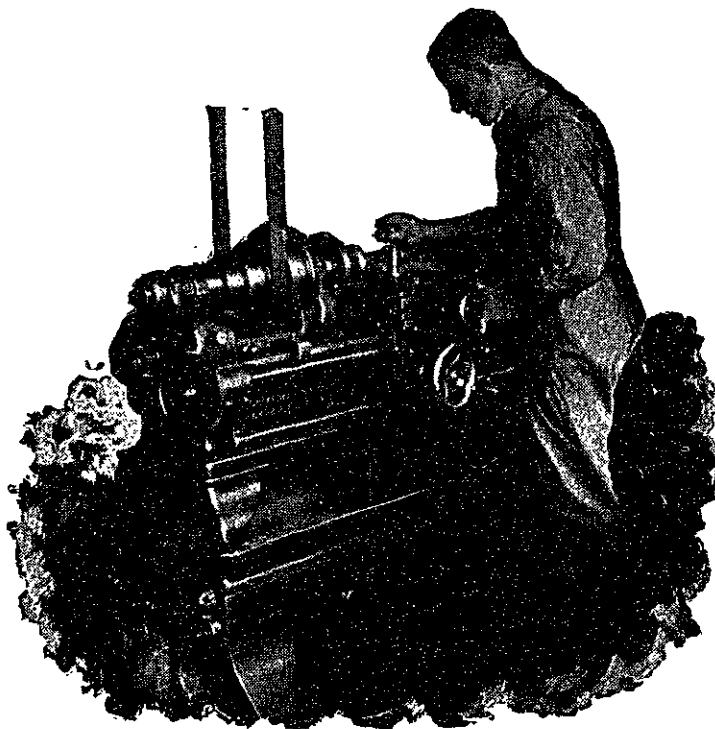
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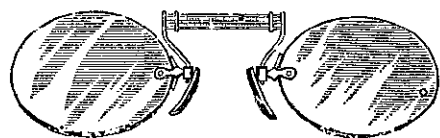
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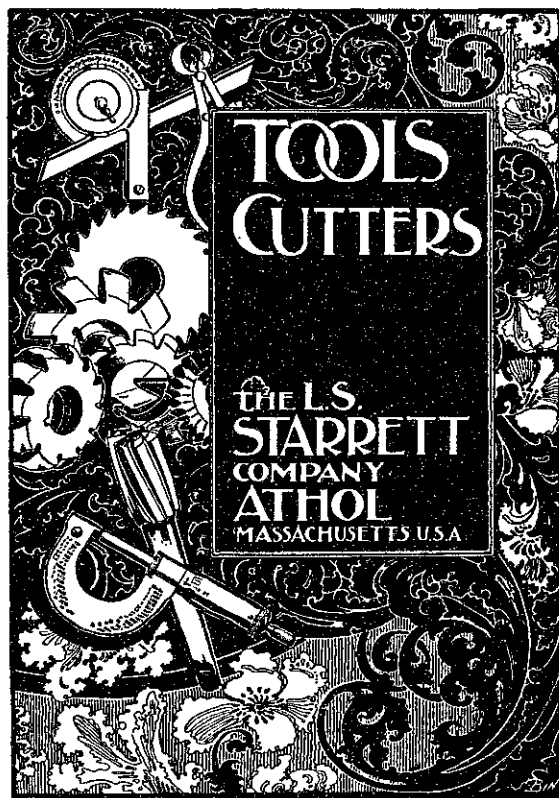
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THE TECH

VOL. XV.

BOSTON, APRIL 16, 1896.

NO. 25

THE TECH

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

SHELDON LEAVITT HOWARD, '97, *Editor in Chief.*
CHARLES E. A. WINSLOW, '98, *Assistant Ed. in Chief.*
EDWARD ARTHUR BALDWIN, '96.
CLARENCE WARNER PERLEY, '96.
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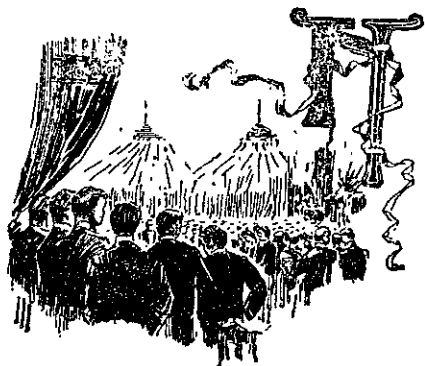
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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

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

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

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



NINETY-SEVEN has added another to the lengthening list of successful Junior Weeks. The events of this year have been marked by an unusual degree of enthusiasm, and especial cause for congratulation is found in the good financial management of the Walker Club Plays. In no line have the social efforts of the week retrograded, and the men who have had the various affairs in charge are to be heartily congratulated.

The splendid showing of the Musical Clubs was especially pleasing, from the fact that their success was attained in spite of many discouragements earlier in the season. The improvement in the work of the Clubs is due

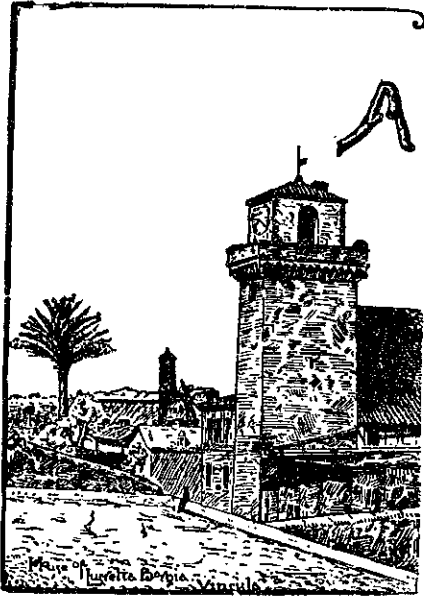
to hard and conscientious work, and their members deserve every credit.

Mrs. Walker's reception on Thursday was most enjoyable, and the Promenade itself a great advance over last year. Ninety-seven has taken much greater interest in the affair than did ninety-six, and the evening was pronounced a delightful one by all. A third occasion to meet our many charming guests was furnished by the Reception of THE TECH Board on Friday afternoon.

The presentation of the English plays on the evening of Friday was a memorable occasion. Mr. Hunt's Technology comedy marks, we hope, the beginning of a series of original plays which shall be comparable to the productions of the societies at Harvard. Both plays were bright, and the acting was remarkably even and good. The audience was large, and evinced from the start an enthusiasm and an appreciation very encouraging to the performers.

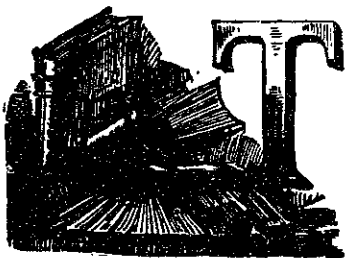
One characteristic of the week we notice with pleasure. This is, that such a large number of men from other colleges have been participants in the various affairs. It has been a pleasant duty indeed to entertain our guests from Harvard and Yale, Williams and Cornell, and we hope that another year their number may be even more increased.

THE degree of LL.D. was conferred upon President Walker by Edinburgh University, last week. Coming from such a source, this is a high compliment to the President's work in science and political economy, and Technology takes pride in it. General Walker already holds this degree from Yale, Harvard, Amherst, Columbia, Saint Andrews, and Dublin.



AT this season, when our minds are so engrossed with local functions of various kinds, it behooves us to remember that the world is still turning at other points. Professor Burton, on his return from Europe two weeks ago, informed us that little was expected of the Americans at the Olympian Games. What is our great joy and gratification, therefore, to find that not only are our representatives winning in the events in which they are on an equal footing, as regards experience, with the Europeans, but are, moreover, beating them at their own games. In fact the Grecians express great admiration that Captain Garrett, of Princeton, has shown such unqualified superiority in the matter of discus throwing.

These men representing American athletics, and they are but a handful, deserve our heartiest good will. As they return, bringing to their respective institutions proudly won laurels, we with one accord should shower on them our laudations, and extend to those who have so successfully visited this, the birthplace of our modern Meet, a long cheer with a rousing "tiger" at the end.



THE rapid growth of advanced learning in the West is a matter with which few Easterners have kept in touch. As Dame New England has long since been unable to oversee the physical development of her sturdy sons in the West, so also is the return of her offspring to these shores for Eastern education becoming less in proportion year by year. Of the great

number seeking university and technical training, the proportion entering the many Western institutions is increasing.

This causes us to glance from Chicago to San Francisco; from the University of Chicago to Leland Stanford University. We, as Technology students, have our attention especially called to an institution which has sprung up in Chicago during the last three years, namely, The Armour Institute of Technology. Being conservative in her bearing, and as yet desiring small classes, she has done little to make her name known in the educational world.

With such a strong leader as Dr. Frank Gunsaulus, and a faculty unequaled in strength for its size, Chicago's Tech. has set a high standard that is thoroughly characteristic of our Western metropolis. We feel due regard for our healthy young contemporary in the scientific field of learning, and look forward with interest to the graduation in '97 of her first class.

A SURVEY of the courts beside Architectural is all that is necessary to convince one that the Tennis Association will be an exceptionally active body this season. Under the able direction of its officers, work upon the courts is rapidly approaching completion, and we expect to see an opening tournament held before many weeks pass. The Association already has many enthusiastic members, yet in view of its acquisition of these fine courts, we confidentially predict that it will become one of the largest and most popular clubs of the year.

IF the future station of the New York, New Haven and Hartford Railroad is to be located at Dartmouth Street, and, as it has been hinted, a thoroughfare is to be built from the site of the Park Square Station to Trinity Place and Dartmouth Street, along the present path of the tracks, the property of the Institute will become

greatly increased in value, for Technology will then possess a corner lot upon what must become one of the most important malls of the Back Bay.

WE are informed that men are not turning out for the track team as well as they should. This is by no means the least important branch of Technology athletics, and if we are to make any kind of a showing at Worcester this spring, it is important that men should begin work at once. The trials for the U. of P. relay races will be excellent to develop new material in college and to give new men a chance to see what they can do in competition. We trust that no one will be debarred from entering through fear that he may not make a good showing. Nothing in the way of athletics can be done without practice, and experience such as the Relay Team trials will give cannot be too highly recommended to any who aspire to membership on the Track Team.

IN the annual report of President Dwight, of Yale University, the total of the bequests received by the University in the year ending Dec. 31, 1895, is announced as \$305,301.03. In his recent speech before the New York Alumni Association President Walker stated that the only direction in which the prospect for the Institute is not encouraging is in that of financial support. It is a lamentable fact that our alumni are not doing for us what the alumni of other colleges do for their Alma Mater. For a long time it has been said, "Technology is too young to expect much alumni support." That is now only partially true. With its thirty and more years of existence and its fourteen hundred graduates Technology should be receiving active help from without each year. Let every man now connected with the Institute register a vow to do something for her before he dies.

WE announce with great regret the resignation of Mr. Raymond Smith Willis as Secretary and member of the Board of Editors of THE TECH. While we shall deeply feel the loss of so efficient a worker, we realize that the labor which will be required of him in conducting "Technique" '98, will be all that can be conscientiously asked of him by his class, and we can only wish him success in his undertaking. Mr. Thomas Eddy Tallmadge succeeds Mr. Willis as Secretary of THE TECH.

COMMUNICATIONS.

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

TO THE EDITORS OF THE TECH:—

Will you kindly allow the management of the Walker Club Plays to express through your columns their gratitude for the support afforded them by Technology? We feel that in addition to the obligation we are under to individual members of the Institute who have assisted us, we owe our most hearty thanks to the students and their friends for the financial support and cordial reception they have accorded our efforts.

We wish to publicly acknowledge the obligation we are under to the following persons for aid of various kinds: to Miss Kate Ryan for the interest she has shown, and conscientious work she has given us; to Professor Bates and Mr. Pearson of the English department for assistance and criticism; to Mr. Meluish and Mr. Howard for music and words of the topical songs; to the ushers for their efficient services; to Mr. Holker Abbott and the Boston Art Student Association for decorations; to the editors of THE TECH for the use of their columns for advertising the plays; to the competitors in the Poster Competition; to Jordan, Marsh & Co. for the use of furniture.

We also wish to thank the actors for the generous manner in which they have sacrificed personal interests for the success of the plays, and for the time and labor which they have given us.

HARRY D. HUNT.

CHAS. W. BRADLEE.

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The Spring Concert.



It was indeed a brilliant audience that greeted the Glee, Banjo and Mandolin clubs at their opening of the Junior week festivities in Huntington Hall on Wednesday evening. It was an audience such as would be an inspiration to any performer, but one entirely unprepared for the refined musical entertainment which was tendered it. The usual run of Glee and Banjo concerts are full of dash and life, and abound in a feeling of good fellowship and sociability, but it is an entirely new condition to have all these combined with a truly musical programme such as would have done credit to professionals.

The Glee Club, which had already won so much applause, added to its laurels, and gave a series of selections which were admirable. There was a fine blending of voices, and each detail of the work was wrought with truly artistic grace. Their opening piece, "Improvisation," by C. D. Underhill, who, by the way, is a Tech. '87 alumnus, was full of fine bits of melody. "Our Tiny Bark," a brilliant little study in shade and color, did not receive the appreciation due it. Here was a piece abounding in musical grace, and overrunning with melodic moods, blended together to make a musical fantasy of a charming character.

The humorous selections "Little Tommy Went a' Fishing," and "What Could the Farmer Do?" were exceedingly well done, and rousingly received. The popular success of the evening, however, was Harry George Johnson's "Eliza Jane, the Twentieth Century Girl," with the Glee Club accompanying. This was followed by an effectual rendering of "Louisiana Lou," to the banjo accompaniment of Mr. Addicks. At an imperative demand he repeated his minstrel show success

with his inimitable "D'ye T'ink I Am Too Small?" Here is a young, unassuming Freshman, who has won his way into popularity through personal worth and ability. Too much cannot be said in praise of the modest, good-natured manner in which he satisfied the demands of his audience.

The "Maiden and the Gleeman," is really a tuneful bit of poetry, and was admirably sung by Mr. Dodge. But its effect upon the audience was lost through the insertion between each stanza of a vaporized male quartette. They were apparently striving after something, but what it was will ever remain a mystery.

The standard set by the Glee Club was fully maintained by the Banjo and Mandolin Clubs. The Mandolin Club rendered a high class of music, that delightful German ballad, "An Dich" being given with an extremely intelligent interpretation.

Perhaps the greatest credit is due to the Banjo Club. It has had a most discouraging season of unfortunate changes at inopportune times, and when, late in the season, Mr. Addicks took the leadership it was in a badly demoralized state. The improvement made is certainly remarkable, and great credit is due to the perseverance of its members. The selections were always bright and spontaneous, and won well-deserved applause.

The artistic climax of the evening came with the violin solo of Jesse Wyman Shuman, '97. We have already seen many evidences of the ability of this musician, but we hardly expected the high order of work to which we were treated. His interpretation was always bright, always refined, and theme followed theme in an interesting manner. There was no deviation to lurid color or dazzling effects, but music, pure and soulful, was always uppermost. His final selection, Gounod's "Ave Maria," was a performance to be proud of, and Mr. Shuman is to be congratulated.

Taken as a whole, it was a most successful and enjoyable occasion.

The Junior Promenade.



AT quarter after nine, on Thursday evening, the last of the carriages rolled across Copley Square and drew up in front of Pierce Hall. The hour marked as well the opening of the overture, whose inspiring strains echoed into the anterooms and thrilled the gatherings there. Daggett and his men never played better, and the dash and spirit of their well-chosen music has kept it still ringing in our ears.

A large Ninety-seven banner, tastefully draped over the front of the Balcony, formed a fitting background for the bat and cane,—trophies of the Sophomore year,—while the palms and flowers which screened the musicians, added not a little to the appearance of the hall. The matrons, Mrs. John Bigelow, Jr., Mrs. John T. Bradlee, Mrs. Francis W. Chandler, and Mrs. Francis A. Walker presided most charmingly, and deserve the thanks of the class for their assistance, which added so much to the success of the affair.

And a grand success it was; sixteen numbers and four extras formed the order, but these were so liberally encored that there were virtually double the number.

Nearly one hundred and twenty Technology men and maidens enjoyed this all-important function of the week, and it is safe to say that Ninety-seven brought out as fair a set of girls as ever graced a Junior Promenade.

The committee in charge consisted of Mr. H. W. Allen, Mr. Augustus C. Lamb, Mr. George H. McCarthy, Mr. Howard A. Noble, and Mr. Ralph S. Whiting.

The following ladies were present:—

Miss Crocker, Miss Goodwin, Miss Morison, Miss Bently, Miss Dwight, Miss Whiting, Miss Washburn, Miss Smith, Miss

Ewen, Miss Perry, Misses Smith, Eveleth, Floyd, Briggs, Brigham, Pleadwell, Howard, Foster, Borden, Burbank, Maxham, Sturtevant, Miss H. Fuller, Miss Fuller, Miss Lamb, Miss Armstrong, Miss Coppins, Miss Peters, Miss Howland, Miss Parker, Miss Cowles, Miss Clark, Miss Drake, Miss Good.

Tech. Dramatics.

THE Walker Club is at rest, and with cause. Congratulations have been showered on them constantly since Friday night last, and no individual body of students deserves congratulations more than do the Walker Club Dramatic Committee, and the gentlemen who constituted the cast of characters. Among the most deserving, too, of praise, was Miss Ryan, the coach, whose skillful management was in a great measure responsible for the smoothness with which the performance went off.

The Walker Club are indebted to Mrs. Francis A. Walker, Mrs. William T. Sedgwick, Mrs. Lawrence Rotch, Mrs. William S. Rogers, Mrs. William Z. Ripley, Mrs. Lawrence Lowell, Mrs. John J. French, Mrs. Thomas Doliber, Mrs. Davis Dewey, Mrs. John T. Bradlee, Mrs. Charles Allen, for their invaluable services as patronesses.

Mr. Hunt's play, "Mr. Jones, Instructor," was generally considered the more successful of the two, and was very warmly received. The farce was skillfully drawn on lines of an intricate nature, and the ease with which one point followed another in clearly logical sequence showed marked dramatic ability in the young author.

The parts and makeups of Messrs. Smith and Cramer as Miss Spofford and Mr. Robert Spofford were excellent, and very well carried out. Mr. Frank Guptill was also in great favor, and deservedly so.

In the second play, "The X-Ray Machine," a roaring farce, Mr. Augustus C. Lamb, as Mary Ann O'Shady, won the hearts of the audience, and carried off the palm of the

evening. His part was an easy one, 'tis true, and one in which applause was easily won, but it was played so admirably that that fact does not detract. Mr. Lester D. Gardner created a deal of excitement with his tall figure and delicate limbs as the new woman. The acting of Everett M. Curtis, '98, as Professor Current, was exceedingly clever, and was very well received.

The casts of the two plays are as follows:—

“MR. JONES, INSTRUCTOR.”

A one-act comedy, by H. D. Hunt, '97.

Tom Jackson (Mr. Jones, Instructor),
Mr. F. E. Guptill, '96.
A Student at M. I. T.

Jack Spofford Mr. L. D. Gardner, '98.
Tom's chum.

Miss Mary Spofford Mr. G. L. Smith, '98.
Jack's sister.

Miss Eudora Weeks Mr. O. C. Herring, '97.
A student of geology.

Mr. Robert Spofford Mr. E. C. Cramer, '96.

Mr. Alonzo Brown Mr. E. M. Curtis, '98.
Instructor at M. I. T.

Miss Alice Langham Mr. Joseph Cushing, '96.
Miss Spofford's friend.

Mr. Henderson Jackson Mr. W. K. Fairbanks, '97.
Tom's father.

James Mr. G. H. Wright, '98.
Scene: Library at Mr. Spofford's house.

“THE X-RAY MACHINE.”

Prof. C. Eddy Current Mr. E. M. Curtis, '98.
A man with an idea.

Mr. D. Andy Oldboy Mr. F. E. Guptill, '96.
Elderly but fascinating.

Mr. Peter Whitehead Mr. O. C. Herring, '97.
A little deaf.

Miss Roxanna Wheeler Mr. L. D. Gardner, '98.
The new old woman.

Miss Dorothy Wheeler Mr. Mayer, '98.

Miss Mary Ann O'Shady Mr. A. C. Lamb, '97.
A fine figure of a girl.

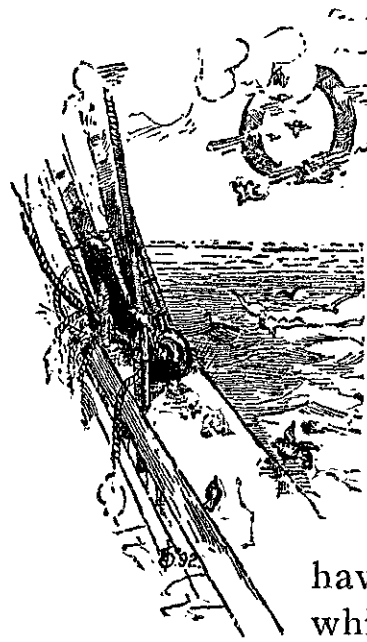
Scene: The office of Professor Current.

TRIOLET.

You're astonished to hear
She's but seventeen?—Yet
'Tis with reason, I fear,
You're astonished to hear.
If you'll ask her next year
I'd be willing to bet
You're astonished to hear
She's but seventeen yet.

—Harvard Lampoon.

“Regret”—A Pastel.



NLY just this side of “Nowhere” is a beautiful country called the “Lost Land.” Some assert that it lies a long distance from the land we live in, but the distance is never great if we take the right paths. The guides provided have sweet, reassuring faces which inspire us with confidence and with trust; they are called “Reflections.” The land they come from is ruled over by a shadowy phantom, a drooping, sad-eyed creature whom some call “Sister of Woe.” None ever seek her willingly a second time, but the little winged messengers seldom tell one whither they lead. Sad and sweet, with sorrowful mien and eyes forever wet, she meets men at the gate, and when they clasp her hand in theirs all else is forgotten, all else is left behind. Together, to and fro, they wander in the hallowed paths of that “Lost Land”; together they stoop to pluck the withered poppies which lie thick at their feet,—each seared blossom a dead dream.

Oh! beautiful Ruler of the silent past, alluring thou art, but tell, I prithee, why thy paths lie none in the direction of that kindred land, the better one, called “Rest.”

Many times in years gone by have I come to thy gate, yea, even into thy very court. Many times have I gazed into thy sweet face with its dewy eyes, and as many times have I turned steadfastly away, ever making answer the same: “‘Hope’ have I chosen,—‘Hope’ as my lodestar and ‘Fate’ as my comrade.” Thee and thy beautiful grottoes with their softly colored skies, thee and thy sweet paths which it were wiser to forget, do I renounce, and renouncing I will forget. What hast thee

and thine in common with a soul that would be great?

"Oh Land! Oh Silent Land
For all the broken-hearted,
The mildest herald by our fate allotted
Beckons, and with inverted torch doth stand
To lead us with a gentle hand
To the land of the great Departed,
Into the Silent Land."

MARGARET KENNA.

Reception by the Board of Editors.



THE third floor of Rogers was quite transformed last Friday by the palms and flowers, curtains and draperies, with which the rooms were adorned. Candle and lamp light wrought indeed a marvelous change in the surroundings, when for the second time THE TECH Board of Editors gave a reception to its friends. The affair was even larger and more pleasant than the preceding one as over two hundred people passed through the rooms between half-past four and six and examined the photographs and posters which decorate the walls of the Sanctum.

Mrs. Francis A. Walker and Mrs. Erving Winslow received, while Miss Katharine Perry, Miss Margaret Brigham, Miss Anne Throop, and Miss Elizabeth Clark were in charge of the tea tables.

General Walker looked in for a few moments, and the Editors were glad to see as well, Professor Bates, Doctor Tyler, Professor Sedgwick, Professor Dewey, and Captain Bigelow, Dr. Bigelow and Mr. Sumner.

Other guests too were with us whom we sadly miss since, and there was not one member of the Board who did not survey the scene next morning with somewhat of a feeling of regret that another year must pass before the Editorial walls will again surround so many fair faces.

For the loan of the rooms the Editors are sincerely grateful, and they heartily thank those who so kindly assisted them in preparing for and entertaining their friends.

Physical Exercises and their Beneficial Influence.

[A short synopsis of the German System of Gymnastics as conducted at the Technology Gymnasium by H. J. Boos.]

III.

Participation in and kind of work of the nerves.—We will now consider the distinctive characteristics in regard to the work of the nerves. Every involuntary contraction of the muscles is caused by a nervous irritation. The more the muscle is to be contracted the more energetic the irritation of the nerves must be. An utmost exertion of the muscle necessitates also the utmost exertion of the relative nervous organs. The one as well as the other are subject to the influence of fatigue. There is another activity of the nerves, namely, the co-ordination.

We find that the more complicated a motion is, the more difficult is its co-ordination. For this a special achievement, not exactly of the muscles that obey the command, but of the central organ of the nerves, which must, at the given moment, furnish to a great number of muscles, as a general irritation, a certain number of irritations of motions, each one carefully weighed as to its strength. The possibility of this process during each motion could hardly be imagined if our involuntary motion-centers in the brain and spine did not possess the faculty to "mechanize" this complicated process for every form of motion as soon as the motion, has once been successfully performed and repeatedly practiced. That is: The image of an oft-repeated motion impresses itself so firmly upon the central organs of the nerves that the mere resolution of the will to perform a

known exercise suffices to bring about spontaneously, as it were, all necessary irritations of motion, in their various degrees. This faculty of our will organ makes it possible that a positive control of the co-ordinate activity of the will-organ may be acquired, and that the primitive principles of all possible motions may be thoroughly mastered. The better known a motion, the less necessary is a conscious co-ordinating activity. But it is different in all unknown new forms of motion, or when changes in known motions are made. Here the nervous system lacks the image impressed upon its mind, which must be created by experiments; new combinations of muscles must be sought and discovered. The co-ordinating work of the will goes hand-in-hand with the strength-giving work of the will. Now, it is a known fact that it is a difficult matter to discern just how much force should be used in attempting an unknown motion, especially as regards the supporting muscles, and therefore the will, to make sure, applies too much force.

A person who has had no practice, when required to co-ordinate an unknown motion, will naturally make much greater efforts of both the muscles and the nerves than one who has had practice. For as soon as a motion has been learned, or at least partly learned, and the performer thereof has become familiar with the co-ordination of the motion has become more or less "mechanized"—it is performed with the least possible amount of exertion. It is easily performed; no unnecessary over-taxation and contraction of muscles lame the joints which the moving muscles are to move, thereby rendering their work more difficult. It is performed as it ought to be; there are no unnecessary, useless motions of disinterested muscles. Thus the co-ordinating will finds the correct solution of the purposed problem of motion, and this correct solution is at the same time the one that requires the least amount of strength, and which as to its out-

ward form is, from a gymnastic point, also the most beautiful.

The German Gymnastics, as far as calisthenics and exercises on the apparatus are concerned—*i. e.*, in localized exercises of strength and skill—are in reality a school of co-ordination; they are principally Gymnastics of the nerves and secondly Gymnastics of the muscles. It is impossible to imagine a broader cultivation of co-ordination as to form than that which the German system of Gymnastics offers. In this respect it is unsurpassed.

Now, the abstract forms of motion, especially those on the apparatus, are such as are rarely made use of in common life. To master them would be useless if we did not know that a general participation of the will increases the faculty of co-ordination, even for unknown motions; that is, it not only gives a foundation to our acquired skill, but it also assists the brain to immediately find the right way and means for any new form of motion—in a word, to master them would be useless if they did not materially aid us in getting a full control over the body.

We must now consider the activity of the nerves in exercises of quickness and endurance. We have seen that they consist mainly of an endless number of motions rhythmically repeated, limited in regard to their form to a few generally well-known kinds of motion. We have also seen that motions of quickness do not require an utmost effort of any single muscle. With them the invigorating activity of the will, the straining of the nerves, falls away; neither do they necessitate any special co-ordinating activity, since we have to deal with well-known motions only—and if any new motion of quickness is to be learned, the co-ordination of the constantly repeated fundamental motion is quickly learned, quickly mechanized. The activity of the nerves or of the will in exercises of quickness and endurance is finally reduced to such a minimum that these motions follow the slightest impulse

of the will so mechanically that all these motions are designated as half-automatic. They act as a restorative on the nerves.

Of course, motions of quickness and endurance may, under certain conditions, require a special activity of the will. Whenever we try to cover a certain distance in the shortest possible time, or *vice versa*, to cover the greatest possible distance in a given time, as, for instance, in running, rowing, bicycle races, and the like, a similar energy of the will as in great exercises of strength is required.

To recapitulate: The exercises of strength and skill have a burdening and exercising, the exercises of quickness and endurance a soothing, effect upon the nervous system.

U. of P. Relay Races.

ARRANGEMENTS are rapidly being completed for the Relay Meet to be held in Philadelphia Saturday, April 25th. The great interest in this event manifested by the college world is attested by the fact that entries have been made by twenty-seven colleges and twenty-eight preparatory schools and academies.

Each team will be distinguished by its official color, so that the spectator can readily pick out the runners of each team, and thus add greatly to his interest in the contest. Where the team has no official jersey showing the colors of the college, a sash of these colors is worn over the shoulder, so that no difficulty need be had in distinguishing the men. Technology will probably be grouped with Amherst, Union and Worcester Polytechnic.

Arrangements have also been made so that students and alumni of each institution may sit together, and thus have the advantages of being surrounded by those in sympathy with their college, and being able to do concerted cheering.

All those desiring seats should send their orders to J. L. Fry, Clerk of the Athletic

Association, Houston Hall, University of Pennsylvania, prior to Monday, April 20th, stating with what college they desire to sit. The most desirable seats will be reserved for these applications. Prices of reserved seats are set at seventy-five cents and one dollar, or for Boxes (holding fifteen) fifteen and twenty dollars.

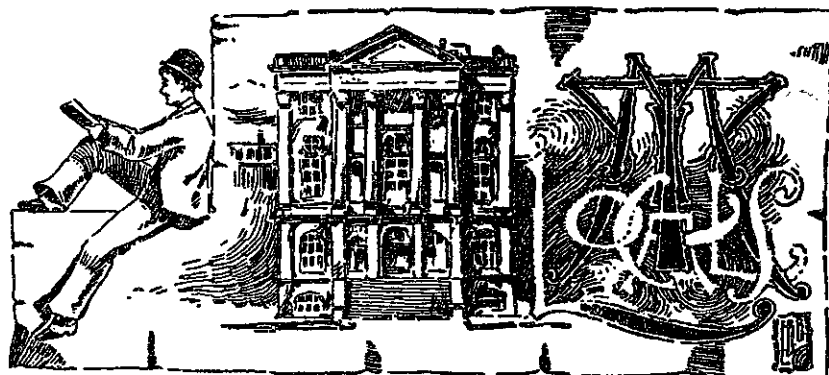
This is Technology's first appearance in Philadelphia, although the fame of its success at Worcester has preceded it. We trust that so excellent an opportunity to extend and maintain the good name of Technology in the athletic world will be improved to the utmost.



Grosvenor, '98, sprained his ankle in practice recently, and will be unable to run on the Tech relay team at Philadelphia.

The '98 Team was defeated by Roxbury Latin School on Cloverfield last Saturday. The Sophomore nine was fairly strong in the field, but deplorably weak at the bat.

The '98 Baseball Team played a tie game with Hopkinson on Brookline Common, Thursday afternoon, April 9th. Eight innings were played, the resulting score being 14-14. The best playing was by Dickson and Carleton, of Hopkinson, and Wood, Hubbard, Smith, and Norton, of Technology. The '98 team was as follows: c., Hubbard; p., Smith, Delano, Horton, Hill; 1st, Clifford, Emery; 2d, Wood; 3d, Muhlig; s., Norton; l., Nolte, Davis; m., Delano, Wing; r., Crowell, Bodwell, Treat.



Professor Dewey has distributed some pamphlets on Sound Money.

A number of Tech. men have been training on Holmes' Field, Cambridge.

Pictures of the characters in the English play may be secured at Hastings'.

A schedule of the subjects in which annual examinations will be held has been posted.

In "Technique," '97, the '98 Athletic Team was credited with but 25 points instead of 28.

From the present indications, Tech. will have a large number of fast bicycle riders this spring.

During Professor Niles's absence last Friday, Mr. Grabau conducted the lecture in Physical Geography.

On account of the repairs which the Irvington Oval is to undergo the Athletic Team will be unable to use it for at least a month.

An unexpected voice answered to roll call in Zoölogy last week. The approach of spring caused a large bullfrog to become impatient and volunteer remarks at that time.

Owing to the lack of floor room in the Engineering Laboratory, a rotary engine and dynamo, which are being used by Mr. Ames in connection with his thesis, have been set up in the boiler room.

Technology men take a double pride in Mr. Curtis's victories won for America in Athens. The showing of the Americans has been phenomenal, and we are proud to have an old M. I. T. man on the team.

Ninety-eight was defeated by the Roxbury Latin School on Cloverfield last Saturday by one run. The Sophomore nine promises fairly in the field if a good pitcher can be developed, but their batting is very poor.

The demonstrations which have been made by the Class of '98 upon the entrance of a certain one of their members into the lecture room in Physics and English, while well meant, are growing rather childish in character.

Messrs. Thompson and Young, Course II., are engaged in testing the transverse strength of a portion of a wooden fly wheel, such as is used in the Amokag Mills, Manchester. Owing to the shortness of span, it is expected that its strength will nearly reach the capacity of the machine.

Professor Vogel delivered the last of the Deutscher Verein and Cercle Français lectures before an appreciative audience April 6th. His subject was "Evangeline, Miles Standish, and Hermann und Dorothea." He gave an interesting synopsis of each poem and fully illustrated them by stereopticon views.

At the March meeting of the American Institute of Electrical Engineers, Professor Puffer presented a paper on "A New Method of Studying the Light of Alternating Arcs," which has been extensively quoted by the electrical press. The stroboscopic method, which, though it has been frequently used in other lines of physical research, has never before been used for this purpose, was employed by Professor Puffer in analyzing the arcs, and a number of very interesting results were obtained.

Every athlete to whom the subject has been mentioned has willingly consented to display his prizes in the trophy room as soon as one can be secured. Mr. Hutchinson has on his list already the names of Messrs. Hurd, Rockwell, Sumner, West, Gray, Grosvenor, Jones, Rumery, Butcher, and Loughton. Mr. J. T. Robinson, '98, has promised the banner of his

prize company and a photograph of the company as well. Mr. Hollis French, '89, has kindly offered all of his photographs of teams and clubs in his time.

The Physics Department has recently obtained a 220-volt, direct current, 3 horse power motor, of Holtzer-Cabot make, for use in thesis work. This motor is being thoroughly tested by R. L. Davis, VI., and A. L. Drum, VI. After the test is finished the motor will be used to run the lathes in the Electrical workshop.

As the season for Tennis opens, and the crack players of the Tennis Association begin to appear on their new courts, all the desks in both the Engineering and Architectural Buildings which command a view of the game, will be offered at a high premium. Lovers of the sport will have to develop a *modus operandi* in which they at all times can have a lively eye open for the brilliant plays.

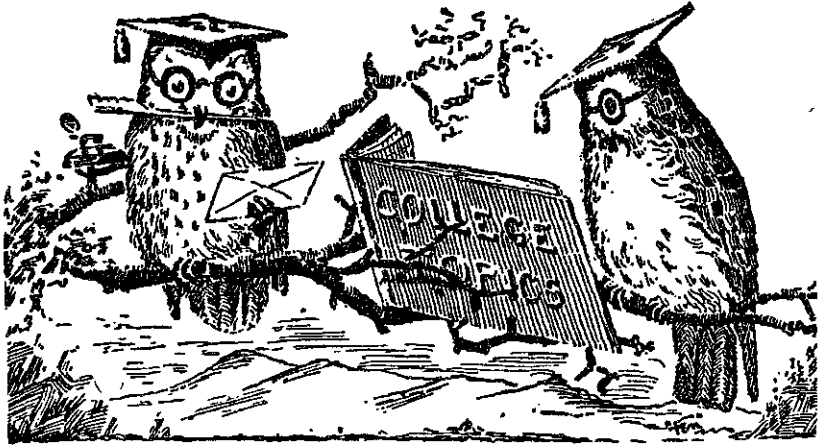
The Architectural Society held their Bohemian supper at Dreyfus, April 4th. A good crowd was in attendance. Mr. A. Garfield, as toastmaster, introduced Professor Chandler, Professor Homer, Professor Despradelle, Mr. Turner and Mr. Bartlett as the speakers for the evening. The music, which was a feature of the programme, was furnished by the following men: Piano Solo, M. F. Oliver; Banjo Solo, G. F. Shepard; Ocarina, J. C. Hopkins; Cornet Duet, H. P. Beers and C. K. Nevin; Mandolin, A. F. Robinson.

Those taking Professor Sedgwick's course in Sanitary Science heard statements in the lecture of April 9th, which caused a revolution of the opinions held so far by nearly all. Professor Sedgwick positively declares that there is no such thing as Inherited Disease. Offspring is born free from the disease which may sooner or later manifest a mastery of the system. Inherited tendency to the disease of the parent is the only possibility in this respect. Further he stated that sewer gas,

filth, and foul odors, of themselves, cannot cause disease. By no means is this the first time that Professor Sedgwick, in his careful investigations, has been led to make these statements, but so long as the old beliefs to the contrary hold the popular mind the correct ones deserve reiteration.

During the past week the walls of the exhibition room in the Architectural Building have been hung with a collection of very attractive water-color paintings of Mr. C. B. Perkins, a student of the Institute in past years. Mr. Perkins has just completed a tour of South America, and it is on this trip that he has executed most of these paintings. The collection comprises thirty-seven studies, of which the most part are landscape scenes peculiar to South America and the tropics, although there are several very excellent studies of fruit and flowers, and three attractive miniatures. Mr. Perkins was a favorite pupil of Ross Turner's, and Mr. Turner's influence and teaching is very evident in all of the studies. It was at this artist's request that the Institute has been favored with the exhibits of Mr. Perkins's work.

A competitive drill was held at the Armory Wednesday, April 8th, after the regular drill, to select the twelve men to represent Technology in the individual contest at the Intercollegiate Contest next May. Twenty-two candidates took part, from whom the following were selected: N. M. Corse, J. A. Stetson, Co. A; W. E. West, L. A. Turner, Co. B; H. A. B. Campbell, Co. C; L. Arnold, F. L. H. Kimball, H. E. Lawrence, M. C. Mott-Smith, H. Smithwick, L. C. Soule, Co. D; H. M. Keys, non-commissioned staff; substitutes, H. E. Ashby, Co. C; R. W. Bailey, F. H. Lathrop, Co. B. The judges were Lieutenant Fry, Adjutant of the First Infantry, Captain Bigelow, Mr. Robinson, '98, who was captain of the winning company at the competitive drill last year, and Major Robinson, of the Technology Battalion.



Yale has ordered a new racing shell, which is to weigh less than two hundred pounds, including all rigging.

The University of Chicago has a telescope seventy-five feet long, weighing six tons and having an objective of fully forty inches.

The Harvard and Princeton baseball captains have agreed to exchange signed statements asserting the eligibility of players.

The Trustees of Cornell University have adopted a resolution favoring the establishment of a fund for pensioning retired professors.

The quadrangular boat race between the freshmen of Pennsylvania, Harvard, Columbia and Cornell will take place June 25th or 26th over a two-mile course.

The Princeton Faculty has passed a vote which will affect several baseball candidates. It requires that no player who has a condition in any subject whatever shall be allowed to practice in the cage until the condition is removed and a good standing in his classes secured.

The Oxford and Cambridge crews are represented by colleges as follows: Oxford—Magdalen 5, New College 3, Brasenose 1; Cambridge—Trinity Hall 5, First Trinity 1, Cains 1, Lady Margaret 1, Emmanuel 1. The average weight of the Oxford eight is 170 $\frac{3}{4}$ pounds and that of Cambridge 174.

College libraries in America are increasing the number of their volumes. The library of

Harvard has now 430,000; University of Chicago, 250,000; Yale, 180,000; Columbia, 165,000; Cornell, 150,000; Pennsylvania, 100,000; Princeton, 91,000; Lehigh, 90,000; Michigan, 80,000; Dartmouth, 75,000; Brown, 73,000; Amherst, 61,000; Johns Hopkins, 60,000.

The following table shows the number graduated from the large American colleges. The total of graduates for these twenty-four colleges since their foundation is 165,946:—

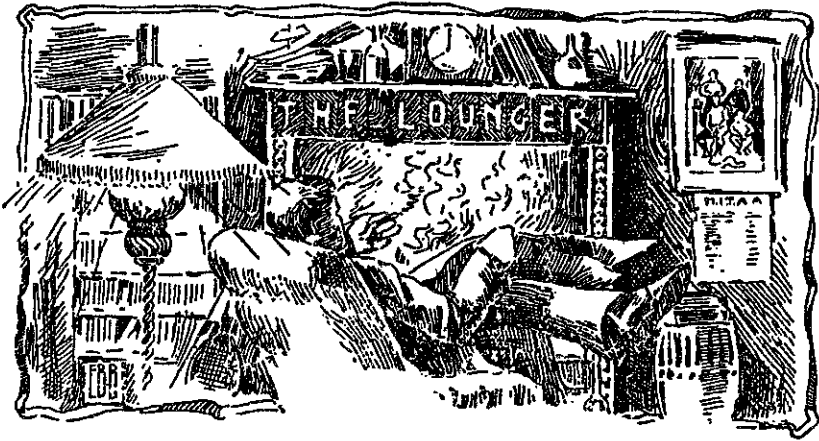
College.	No. of Alumni.
Harvard	19,984
Yale	16,765
University of Pennsylvania	15,000
University of Michigan	13,600
University of City of New York	12,300
University of Virginia	10,500
Columbia	8,360
Princeton	7,230
Dartmouth	5,300
Union	4,859
Brown	4,508
Bowdoin	4,410
University of Iowa	4,184
University of Nashville	4,000
Western Reserve	3,917
Girard	3,800
Washington and Jefferson	3,684
West Point	3,668
Columbia University	3,651
Amherst	3,650
Cornell	3,477
Boston	3,235
Oberlin	3,235
Washington	3,095

Friendship.

'Twas but a hasty word
 Unthinking uttered as unwilling heard,
 Although upon my ear it strangely jarred,
 I will not let a friendship thus be marred.

I will not answer now
 Lest words on words to greater difference grow.
 Unguarded moments come to all,—to me
 Oft comes the need of greatest charity.

It shall not now remain
 To trouble or to worry me again.
 Let men be true, and let that friendship end
 That bears not with the failings of the friend.



THE Lounger rests happy in the consciousness of having seen Technology well through another Junior Week. The light festivities have this year especially appealed to his sensibilities, and have left bright in his mind a cloud of pleasant memories, from which he will attempt to sketch a chronicle of the gay doings. No thought of carking care was suffered to mar his complete enjoyment, and so, with the satisfaction of a man who has "seen it all," he will attempt to adorn his tale, if not to point a moral, from the frivolous frivolities just finished. The period which embraced all the ceremonies was certainly brief enough to insure neglect of the Lounger's favorite nocturnal god; but with the consoling thought that such concentrated dissipations are only annual, he is quite reconciled to the necessity for Napoleonic hours.

With bright anticipation and his customary quota of fair damsels, the Lounger surveyed the brilliance of Huntington Hall at the performance of the Glee and Banjo Clubs. A member of those organizations confidentially informed the Lounger that the concert was the best yet given, and so without discourtesy to his informant the Lounger cannot gainsay his remark. The Banjo Club, in a more than decimated condition, and the ever-popular Mandolins, did much to pass away the time, but the Glee men are the ones to receive the most hearty encomium. In consideration of the Lounger's suggestion, the directors of that lauded organization granted sepulture to sundry of the old favorites and substituted certain new and worthy *pieces de resistance*, which pleased the Lounger vastly. Even local talent emerged from modest retirement to lend to the programme the dignity of its name, and particularly in view of the lavish sway of patriotic bunting the Lounger is sure that to withhold complete praise would be unfair indeed.

The memories of Glee Club concerts proved of airy evanescence, however, when the Lounger entered

Pierce Hall on the succeeding evening, the brilliant occasion of the Junior Prom—somewhat more worthy of its name, by the way, than last year—for the sight of many "pretty maids all in a row" was quick to dispel all other thoughts. No moment of the evening's enjoyment was lost upon him, no dance too long for his pleasure, no opportunity for sweet beguiling of the fleeting hour was missed. He remembers especially one poignant moment when he stood in a shaded corner watching the color come and go in the cheek of an entrancer from the Southern climes, as he touched lightly the tips of her dainty fingers and whispered to her the adoration of a lifetime, while her soft eyes roamed thoughtfully about the neighboring hall in search of her partner for the next dance. Alas! such reminiscences are out of place. Suffice it to say that the hours till two passed all too swiftly, and that but few hearts were entirely normal the next morning.

The Lounger confesses to having forgotten all about the reception of THE TECH Board in his pleasant musings over the night before. Therefore when he mounted the third flight of Rogers for his usual post-meridian meditation, it was with a start of astonishment that he first perceived the transformation which had taken place. Last year it was the sanctum alone which underwent a change, but now the shrines of Clio and Calliope were also invaded and made beautiful to behold with fine linen, with posters, palms and pinks. The company was a large and brilliant one, and it did the Lounger's heart good to watch severe and learned Profs. chatting and jesting with the deities of the tea and chocolate. Altogether, the Lounger does not remember a merrier official occasion since the beginning of his connection with THE TECH.

The production of an original Technology play on Friday night evinced a degree of energy truly remarkable. The maidens in the production were exceedingly comely, although Miss Spofford's voice was a thing direful and portentous to hear. The acting in both plays was of a high order, although unmistakably amateur, but highly pleasing withal.

The burden of the second play fell largely upon Ann, and the Lounger must admit that he did herself full justice. The Lounger found the music of the original songs rather mellowish, and his friend, the Editor in chief, has gained great credit for the words

of "Hey Rube," which appeared in "1492" some eons ago. After the performance a tantalizing little dance was indulged in, which seemed like a cold slice of the roast of the night before. The finances of the occasion appear to have been well managed, and the Lounger would suggest to the Institute Committee the propriety of writing a letter to express their approval. As a penny saved is a penny earned, the society which remains solvent is quite as worthy of encouragement as the one which strives to pay its debts.

The Lounger hears with mild astonishment that '99 is to select the ushers for its drill from the officers of the Latin and High Schools. Laudable as may be the effort to promote good fellowship between different educational institutions, and pleasant as is the arrangement for small brothers and their friends, its effect on Technology is not quite so advantageous. Later on, when ties with school have become weaker, and those with Technology stronger, Ninety-nine men will realize that their action is somewhat lacking in dignity.

Calendar.

Thursday, April 16th: Meeting of the Geological Society in Room 14, Rogers, at 12 M.

Saturday, April 18th: Meeting of Y. M. C. A.

Monday, Tuesday, Wednesday, April 20th, 21st and 22d, Recitations Suspended.

TECHNOLOGY VERSE.

The Old Song.

Awake! and from that slumber couch
Return to life and work once more.
To honor, gain, and wisdom's lore
Thou'rt not immune from toil in store.

Arise, dull sluggard! What, still there?
Is meditation sweet of fame,
Perchance of love thy only aim?
Bestir thyself! Inaction, shame!

The story's told, and so it goes;
To smile, to coax, to lure, to win,
Is nature's game year out and in,
Spring fever's e'er the old song been.

In Memory.

There lies before me as I write,
With the black mask I wore last night,
A duplicate of creamy white,
A lady's mask.

When erst it hid from me her face
Except one ringlet's tempting grace
That stole across the frame of lace,
I cursed the mask.

To-day it does not hide from me
Her charms as then, but fantasy
Shows what before I could not see,
Behind the mask.

Her sparkling eyes, her cheek's bright glow,
Her graceful throat of carven snow,
Her smile, her glance, once more I know.
I love—the mask.

The Two Powers.

"I am a sword of Damascus steel,
I'll fight or die, come woe or weal;
I love the sound of the battle's din,
And fame and glory I would win.
And to my master I'll be true;
Now tell me, comrade, who are you?"

"I am a flower of low degree,
Kissed by the breeze from yonder sea;
Only a blossom of no renown,
Growing alone on my native down,
To bless and cheer, in my poor way,
The hearts of the men whom you would slay."

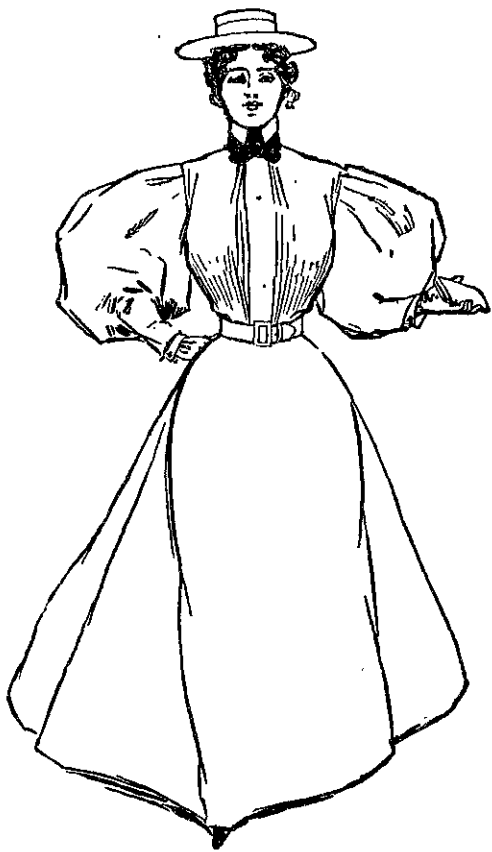
The Martyr.

While here beneath the knife I sit,
And grit my teeth and writhe,
And wonder if from out this place
I'll ever go alive,—

I have the sweet, consoling thought,
That when from here I'm borne,
Dead or alive, from off my foot
That d—d corn will be gone.

Life's Melody.

Our lives are songs: God writes the words
And we set them to music at pleasure;
And the song grows glad, or sweet or sad,
As we choose to fashion the measure.
We must write the music, whatever the song,
Whatever the rhyme or meter;
And if it is sad we can make it glad,
Or if sweet we can make it sweeter.



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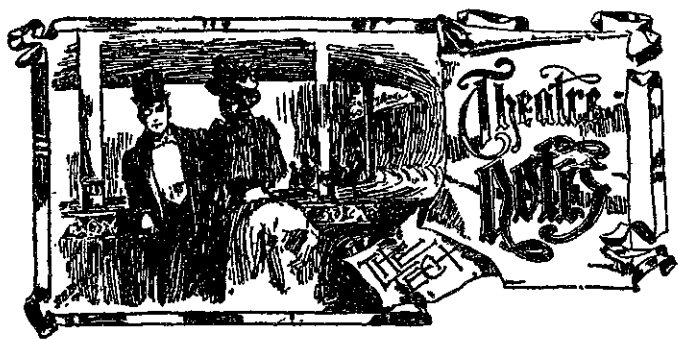
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Week beginning April 20, 1896.

Boston Theatre.—The appearance of Loie Fuller at the Boston Theatre, April 20th, is of rare interest to the Boston public, and this American woman will undoubtedly receive a hearty welcome. Her tour has been a veritable triumph, and she stands to-day without a peer in her line. All the brilliant novelties will be seen, including the rainbow dance.

Park Theatre.—“The Midnight Bell,” Chas. Hoyt's popular comedy, will be presented next week at the Park Theatre. The cast is exceptionally fine, headed by the popular comedian, Digby Bell, and his popular and accomplished wife, Laura Joyce Bell.

Hollis Street Theatre.—Miss Ada Rehan is having a brilliant engagement at the Hollis. Society is ever ready to do her honor, and her new

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play has been most enthusiastically received. As “The Countess Gucki” Miss Rehan is simply fascinating, and has scored another great success. Nothing but praise can be given her for her realistic impersonation. Saturday night comes the rare treat of seeing Miss Rehan in “The School for Scandal,” to be followed next week by a number of Shakespearean plays.

Boston Museum.—“The Wizard of the Nile” is holding crowds spellbound at the Boston Museum. The scene of the opera is laid in Egypt, and Cleopatra and other historical characters contribute their share to the merrymaking. Mr. Frank Daniels, in the leading role, is magnificently supported. Special matinee Monday (Patriots' Day).

Tremont Theatre.—Henry Irving and Ellen Terry will be most cordially welcomed at the Tremont Theatre on April 20th, when their limited engagement of one week begins. “The Merchant of Venice” and “Macbeth” will be given; also, “A Story of Waterloo,” by Conan Doyle; “Don Quixote,” by W. G. Willis; and “Godefroi” and “Yolande,” the latter from the pen of Henry Irving's youngest son.

Castle Square Theatre.—By special request of the frequenters of Castle Square Theatre, “Faust” is to be given for one week, beginning April 20th. This has been one of their proudest presentations.

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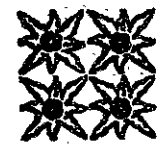
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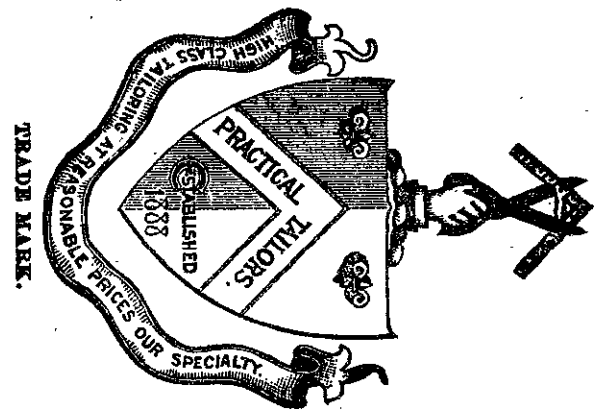
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