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M. I. T. CO-OPERATIVE.
OME time ago we received a communication from Mrs. Ormiston Chant in regard to our attitude upon the subject of vivisection. Unfortunately, however, it was too long for publication, and we express our regret at not being able to present it to our readers. It elaborated the principles set forth by the anti-vivisectionists, and reprobated vivisection under all circumstances. We desire to thank Mrs. Chant for her interest, and hope that we may be again favored in the future.

WE notice in one of our exchanges a suggestion to the Senior Class as to the nature of a memorial to be left by the graduating students. In this line we suggest to '96 that a most desirable and welcome gift, one that would be a constant reminder of the energy and ability of this class, would be a set of chairs and a table for the platform of Hunting ton Hall. Long have the wooden seats been in service, but it is now high time to replace them by something more worthy of the surroundings, and in no way could this be accomplished more fittingly than by such a memorial gift.

WE take this opportunity to thank those who from time to time have so generously contributed to our columns. The fact that there has been during the past few weeks a manifestation of increased interest in The Tech, on the part both of Faculty and students, is a great source of encouragement to the Editors, and it leads them to feel, in spite of the limited amount of time which they are able to devote to the work, that with a continuance of this co-operation the several departments of the college may yet be more thoroughly covered.

TECHNOLOGY has reason to be proud of the showing of her relay team at Philadelphia. One of its most promising runners was on the sick list, and a victory under the circumstances is very gratifying. The race was a hard one, and it was not till the end of the last relay that the Crimson and Gray went to the front.

This occasion was the first Intercollegiate Relay Meet ever held, but it promises to be by no means the last. Twenty-eight colleges and twenty-six preparatory schools were represented, and almost six thousand spectators witnessed the contest. The track was in perfect condition, and most of the events were closely contested and exciting.
The race for the championship of America was won by Harvard. Yale came in a close second on each lap, and Georgetown was a dangerous third; Pennsylvania did not make a very good showing, and was left fifty yards behind at the finish. The victorious team was: W. H. Vincent, H. H. Fish, J. L. Bremer, and E. Hollister.

The five-mile relay race teams consisted of five men apiece. Yale and Pennsylvania were the only contestants, and U. of P. won through the fine running of Orton on the last lap. The first three Yale men were close seconds, and the fourth man, Lewis, passed his rival and finished fifty yards ahead. Orton made this distance up and won the race.

Worcester Polytechnic, Union College, and Amherst were Technology's opponents in one of the most closely contested events of the day. Amherst led in the first relay, with Union second, and Gray, M. I. T., third. Pugh ran second for Technology, and the men maintained the same positions. The third Amherst man, however, was badly beaten by all his three rivals, and Captain Cummings went up to second, with Union in the lead. Stebbins in the last four ran a very pretty race, and took the lead in the last lap, winning the event by a close margin.

Other winners of races were Western Pennsylvania University, Pennsylvania State College, College of City of New York, Lafayette, and Swarthmore.

Pennsylvania deserves great credit for the management of the affair, which proved in every way an emphatic success.

PARKER REED McLAUTHLIN.

It was with a sense of personal loss that I learned of the death of Parker McLauthlin. When he entered the Institute, only seven months ago, I felt a peculiar satisfaction, because from the start he bade fair to fill the place among Institute men left suddenly vacant, in 1892, by the untimely death of his brother, George Vincent McLauthlin, the "honor man" of the class of 1888. When the younger man chose Biology for his profession, and thus further followed in the footsteps of his brilliant brother, I rejoiced yet more. And when in the brief and rare talks I had with the younger McLauthlin I saw the same keenness of intellect, the same enthusiasm, the same sensitive conscientiousness, which had made the elder so distinguished, so successful, and so much loved by us all, I felt that the fates which had robbed us were making what amends they could.

And now we are once more called upon to mourn. By an insidious fever the younger, also, is slain. I find it difficult to describe the heavy loss which I myself feel; or to measure the blow which has fallen on the Institute and the class of '99. It is true that our sorrow is but trifling compared to that of those who knew him best. But yet from the sum of that uprightness, ability, and faithfulness, which should characterize every Institute Student body, and every association of Institute men, we must henceforward deduct much which would have come to us, and have come to abide, from men like the brothers McLauthlin.

They are now "become a name" and a splendid memory which shall be cherished in the noblest annals of the Institute. And of the younger, as was said of the elder, while we mourn we say:—

"Young Lycidas is dead!
—Dead ere his prime,
And hath not left his peer!"

W. T. S.

Calendar.

Thursday, April 30th: Glee Club Concert at Y. M. C. A. Meeting of Geological Society at 4.15 P. M., in Room 14, Rogers.

Friday, May 1st: Meeting of Deutscher Verein.

Saturday, May 2d: Meeting of Y. M. C. A.

Tuesday, May 5th: Meeting of Biological Club, at 12 M. in Room 14, Rogers.

Wednesday, May 6th: Ninety-eight Baseball Team vs. Groton School at Groton.
An Interrupted Idyl.

UPPER SULLOWAY, May 3.

DEAR HARRY: Here I am at last, rusticated! They have sent me way up into New Hampshire, where I can't possibly get into mischief, and next Monday old Browne is coming to tutor me in that cursed Greek. Pleasant prospect, isn't it?

However, things aren't quite so bad as they seem. Yesterday, half an hour after I came, I was wandering about, and swearing at my luck, and wondering when I should ever see a billiard table again. All at once I heard an entrancing squeak, and behold, there was a dainty damsel, with a Worth frock and a pink parasol, besieged in the corner of a pasture by a cow. I vaulted the fence, drove off the ferocious dragon, and rescued the distressed maiden. We walked home together, and I found she is staying at the farmhouse next to our shanty. Harry, I'm gone entirely. She is, without exception, the most—well, you know all about that. I have written three triolets and a rondeau about her already. I couldn't find out who she is, or what she is doing here, but that only adds a taste of mystery to the affair which pleases me. Isn't it like a novel?

Always yours,
GEORGE ANDREWS.

PARADISE, May 5.

DEAR OLD MAN: She is entrancing! I met her, by chance (?), yesterday morning, and last night I went over and sat on the porch steps in the clear moonlight, and rhapsodized to any extent; she listened to everything with only that pleased little laugh women have when they like what you say. Oh, Harry, your old chum is a gone coon, I'm afraid. Even if she were not as charming as she is, I cannot draw back now. I am not vain, but it is quite obvious that she cares for me. Will you send me up a dozen shirts and some neck-ties? I didn't bring anything up, but I must dress decently now.

It's such an infernal nuisance that Browne is coming up to-morrow! However, he's probably mortally afraid of a woman, the old pedant. He won't bother us much.

Yours, in Benedict's mood,
GEORGE.

UPPER SULLOWAY, May 6.

MY DEAR HARRY: Professor Browne arrived to-day. The lady of whom I have written you was at the station to meet him, and flew into his arms as he got off the train. He turned to me and said, "My dear Mr. Andrews, let me present you to my wife, whom I sent on ahead to gain much needed rest." Mrs. Browne simply looked at me with that little laugh I spoke of before. From which it appears that the Japan and Oolong is on.

Yours truly,
GEORGE ANDREWS.

ON READING THE EXPLOITS OF BRIGADIER GERARD.

Love-tryst at morning, battle at noon,
Kiss of maiden and kiss of sword;
Both are dear to the bold dragoon,
Danger his darling and love his lord.

Jena, Marengo, Austerlitz,
Prussia, Italy, where you will,
Forward the emperor's eagle flits,
Forward, and ever he followeth still.

Fourteen kingdoms he swaggers through,
Spanish, Austrian, why should he care;
Viennese sword-thrusts are close and true,
Spanish women are very fair.

What is his heaven? a dashing fray;
What his damnation? to be afraid.
God or goddess, what has he, pray?
Only the emperor and a maid.

Health to his comrades, death to his foes,
Such is his creed that he holds secure;
All the Te Deum he wants or knows,
"Vive l'empereur! Vive l'amour!"

Name of a name! but those were days
Honor was everything, death was naught;
Bury your comrade and go your ways,
Soon forgetting and soon forgot.

—Univ. of Chicago Weekly.
Theses.

COURSE II.

Ames, B.—Test of a Seventy-five Horse Power Rotary Engine.
Ashton, G. F., and Gardner, H.—Experimental Study of the Variation in the Density of Steel under Stress.
Atkins, E. C., with Smith, F. H., Course X.—Study of Flue Gases.
Bowie, A. J., with Litchfield, P. W., Course X.—Test of a Fifty Horse Power Gas Engine.
Brooks, J. T., and Waterman, H. A.—Duty Test of the Metropolitan Sewage Station at West Medford.
Colman, W. H., and Longren, J. E.—Test of a Twelve Hundred Horse Power Battery of Stirling Boilers at the Waltham Bleachery.
Harrington, J., with Conant, F. M., Course X.—Study of the Stretch of Cotton Cloth under Load.
Hartwell, H. B.—Tests of a Mogul Locomotive on the Fitchburg R. R.
Merrell, I. S.—Efficiency Test of a Coal Conveyor Plant.
Scovel, J. C.—Determination of the Loss of Strength due to Various Methods of Fastening Rope.
Taylor, W. B.—Tensile Strength of Spruce Across the Grain.
Thompson, A. W., and Young, C. H.—Study of Some of the Properties of Wood Rim Fly-Wheels.
Wells, A. J.—Study of the Pressure of Moving Air on Various Surfaces.

COURSE VI.

Andrew, W. C., and Wayne, J. L.—Variation of Insulation Resistance.
Beaman, D. W., and Breed, L. B.—Sprague Railway Motor.
Coolidge, W. D., and Dickinson, L. D.—The Variation of Hysteresis with Temperature.
Crane, S. D., and Hardy, R. S.—Method of Analyzing Alternating Current Waves.
Daniels, N. H., Jr., and Hollis, W. M.—Electric Car Test.
Hall, W. G., and Jones, T. I.—Test on the Engines and Dynamos in Boston Public Library.
Hurd, B., and Morrill, G. L.—Test of an Electric Crane.
Lawrence, C. E., and Underhill, A. P.—Quarter-phase Plant at Fitchburg.
Manahan, J. H., and Mansfield, E. S.—Test on Direct-driven Multipolar Dynamos, Connected to Fifteen Hundred Horse Power (if possible).
Pauly, K. A.—Study of the Temperature Error of Bridge Coils.
Rutherford, N. F.—Effects of Inductance and Capacity in Alternating Current Circuits.

The '98 Base Ball Team easily defeated Hopkinson's School, on Tuesday of last week, by a score of 14 to 0. Delano's pitching was very effective, and '98's batting was, on the whole, satisfactory.
Messrs. Lyman and Ingalls, Course VI., are making a series of tests of a Lundell motor.

A test of the new Pumping Station of the Metropolitan Sewerage System in West Medford is being carried on.

Messrs. Baldwin and Stearns are at Waltham making an efficiency test of the Waltham Gas Light Co.'s Electric plant.

Messrs. Lawrence and Underhill have just completed a very successful test of the Simon's Manufacturing Co.'s Electric plant at Fitchburg.

An interesting talk was delivered on Saturday last, by General Secretary Mehaffey, before the Y. M. C. A. Mr. Mehaffey treated especially of matters pertaining to student life.

The Deutscher Verein will hold an important meeting to-morrow afternoon in Room II. Mr. Blachstein is to speak, and Mr. von Holst to give a one-act farce comedy, "Ein flotter Student," which promises much amusement.

The committee in charge of the Competitive Drill has opened a poster competition. The first prize will be five dollars, and the second three tickets. All posters should be left at the Cage, for W. H. Corse, as soon as possible.

Messrs. Owen and Wood have just finished testing a large Sturtevant blower, and are at present testing a No. 6 Sturtevant noiseless blower, for cupola furnaces and forges. It runs at about 2,100 revolutions per minute, and gives a pressure of about 0.5 pounds per square inch.

Robert D. Farquhar, Course IV., who graduated with the class of '95, has just been admitted to the Ecole des Beaux Arts, Paris. In the examination Mr. Farquhar ranked fifth out of three hundred and fifty applicants. He has entered the atelier Pascal, from which Professor Despradelie graduated.

The mentions of the Sophomore architectual problem have been made. The problem was that of the facade of an important municipal building, with plan and section. The following received the mentions: Firsts—Davis, Schroeder, G. Stevens and Mathews; seconds—Coombs, Tucker, Conklin and De Golyer; thirds—Heathman, Hubbard, Little, Allen, Tallmadge, Smith. The designs were favorably commented on as a whole.

The Annual Dinner of the Southern Club was held Tuesday, April 21st, at the Thordike. Mr. F. P. Blake presided as toastmaster, and the programme was as follows: "The Southern Woman," Mr. W. G. Wall; "The South of To-day," Mr. H. P. Browne; "Our Graduating Members," Mr. W. R. Bonycastle; address by President W. H. Keith; "Policy of the Club," H. M. Keyes. During the evening a number of musical selections were rendered by Messrs. Vogt, Portner, and Muhlhauser.

The following is a list of the men who took honors in the recent Beaux Arts competition at New York, together with the name of the college or architectural club represented by each: Class A, Club House,—A. H. Spahr, Medal, M. I. T.; H. W. Chamberlaine, first mention, unanimous, M. I. T.; C. A. Neff, first mention, Masqueray; P. R. Allen, second mention, unanimous, Masqueray; C. Burrell, second mention, Masqueray; C. F. Neff, second mention, U. of P.; J. E. Hill, second mention, U. of P.; J. Dole, second mention, Flogg. Class B, Theater,—R. W. Porter, first mention, unanimous, M. I. T.; H. W. Dyer, second mention, unanimous, M. I. T.
The Society of Arts held a meeting on the evening of Thursday, April 23d. Maj. W. H. Livermore was the speaker. His subject was, "The Arts and Sciences of the Twentieth Century." He believes the next century is to witness a great development along the line of comprehensive charts and crystallized handbooks of information. Maj. Livermore anticipates "systematic co-operation" in all the sciences and arts. This will enable students and those engaged in professional research to utilize more easily and effectively the results obtained by others; paving the way therefore for a more advanced specialization in all branches than has been possible as yet. He looks to the Massachusetts Institute of Technology as one of the pioneers in this advancement.

The Senior students of the Engineering Laboratory have recently completed a very successful test of the pumping plant of the Chestnut Hill Reservoir, under the direction of Professor Miller and his assistants. The test lasted from 8.45 A. M., April 15, until 10.10 April 16. The men served in watches of from eight to eleven hours, and Professor Miller worked thirty consecutive hours in connection with the test. The results as yet have not been worked out, but the indications are that the boiler test will be about five per cent ahead, while that of the engine will be about one-tenth per cent behind the corresponding tests of last year. The great interest which the test aroused outside of the Institute was shown by the large number of visitors, among whom were a number of prominent engineers, who visited the station during the test, arriving at all hours of the day, from early in the morning until midnight. Arrangements are now being made for the test of the Charlestown Power House of the West End Street Railway, which will probably take place in a few days, and most of the apparatus from Chestnut Hill has been sent there.

Cornell has started a bicycle military company.

The Amherst astronomical expedition which is going to Japan, to take observations of a total eclipse of the sun in August, has sailed.

Since 1879, twenty-one College Christian Association buildings have been erected in the United States and Canada, at an aggregate cost of $438,000.

Harvard has recently received a gift of $100,000 to found a chair in Comparative Pathology. Harvard will be the only college in America so endowed.

The Williams College students were surprised lately by the appearance of a humorous and poignant paper containing grinds on the various organizations and students.

Special numbers of several college papers have made their appearance lately. The Illini of the University of Illinois devoted its last edition to the Y. M. C. A. The Northwestern of Chicago has given the "co-eds" an opportunity to show their skill at editing, and the production is a woman's number.

It was with great pleasure that a report from Arequipa was received at the Harvard Observatory, stating that the Bruce photographic telescope, the most powerful of its kind in the world, had arrived in safety. This telescope was sent to Peru some time ago and considerable anxiety has been felt as to its safe arrival, as it is rather a dangerous voyage from here to Arequipa.
The results of the Beaux Arts Competition are gratifying indeed, though there appears to be a certain sameness about the proceedings which is to be regretted. Perhaps it would be well to allow some man not hailing from our own hallowed precincts to attain a little glory for the sake of keeping up the interest. However, our Course IV. friends are probably content, as also is the urbane knight of the curling, ebon locks. The successful competitors themselves are hailed with almost that far-reaching adulation which, as is well known, rewards among us the efforts of aspirants in the athletic field. Let all embryo draughtsmen fix their eyes upon such triumphs as these in the future, when Freshman Chemistry and Sophomore Physics have been left behind and medals and mentions shall be within their grasp.

The merry Thesis is in full sway. The Lounger himself has, for certain reasons, not undertaken one of these interesting labors in person, but he watches with interest and admiration the efforts of his more fortunate fellows. He has, indeed, assisted in several important tests on which slight collations, accompanied by the frothing goblet, were disposed of. At this season of the year when a man appears with red and weary eyes and a general air of goneness about him, the charitable do not wink and grin and surmise evil things, but merely say, “He was on a boiler-test last night.” And, indeed, if you asked him he would probably say that he had been. The chemist, meanwhile, is weighing and measuring industriously to find out whether meta-para-chlor-sulpho-azo-dibenzol-pheno-acetylic acid has really the formula indicated by its name. The Biologist is seen to steal softly round to the Oak Grove Farm and purchase a yeast-cake (what an expense the materials for thesis work must be to the Institute!) in which he can go a-hunt-

The Lark.
Jim Sureshot found a rope one day,
And picked it up, of course;
It happened that the other end
Was fastened to a horse.
Next day the cowboys found a rope
And hitched it round a limb;
It happened that the other end
Was fastened onto Jim.

—Smith College Monthly.

HOPES AND FEARS.
She loves me;
Her brown eyes glow with soft love-light,
These lips, these hands, my welcome show.
A moment,—then the lashes fail
Lest I, too well, this secret know
She loves me.

She loves me not;
She is but playing with my heart.
Those sparkling eyes, that cheek aglow
May shine with trust, grow warm with love.
But not for me; they bring me woe:
She loves me not.

She loves me;
The tantalizing little witch,
Her sweet smile drives away despair.
By Jove! I'll leave before this mood
Has vanished too, for now I'd swear
She loves me.

—Tenn. Univ. Magazine.

NARCISSUS.
Narcissus, weary with the chase,
Stopped at a crystal well to drink;
And bending o'er the mossy brink,
Saw in its depths a shining face.

A fairer nymph ne'er left in spray
A fountain's basin deep and cool;
Nor sported in a woodland pool,
To tempt the traveler from his way.

Narcissus gazed in rapt delight,
Then softly spoke a tender name,
And listened—but no answer came
From the sweet, silent water sprite.

Impatient, now, Narcissus tries
To hold her in a loving clasp,
But swiftly she evades his grasp
And vanishes before his eyes.

Through little waves that melt away,
Again the nymph's fair face appears,
But heed she not her lover's tears,
And shuns the hand that bids her stay.

Unhappy lover! thus he dies,
Pursuing still the wayward elf,
The first that ever loved himself,
Believing it was otherwise.

—College Folio.

THE STAR.
In that black curtain that enfolds the night,
While still the light
Twinkles and flashes from countless orbs,
There was one tiny star scarce even seen,
In glitt'ring sheen,
That loved one night a fleecy cloud,
But not aloud
Could it speak its love, yet in brighter robes
It bravely made effort the ador'd one to gain,
With might and main.

But the thin, fleecy cloud floated fast by,
Impell'd by the wind who knows not love;
A moment the cloud hid the star from my eye,
And I know not what happened at that meeting above,
But scarce past was the cloud when a quick line of light
Told that one more had failed of those lamps of light.

—Brunonian.

Our housetop rook, a pet of pa's,
One day made much ado;
We asked him why, he said his caws
Was that the chimney flue.

—University Chronicle.
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