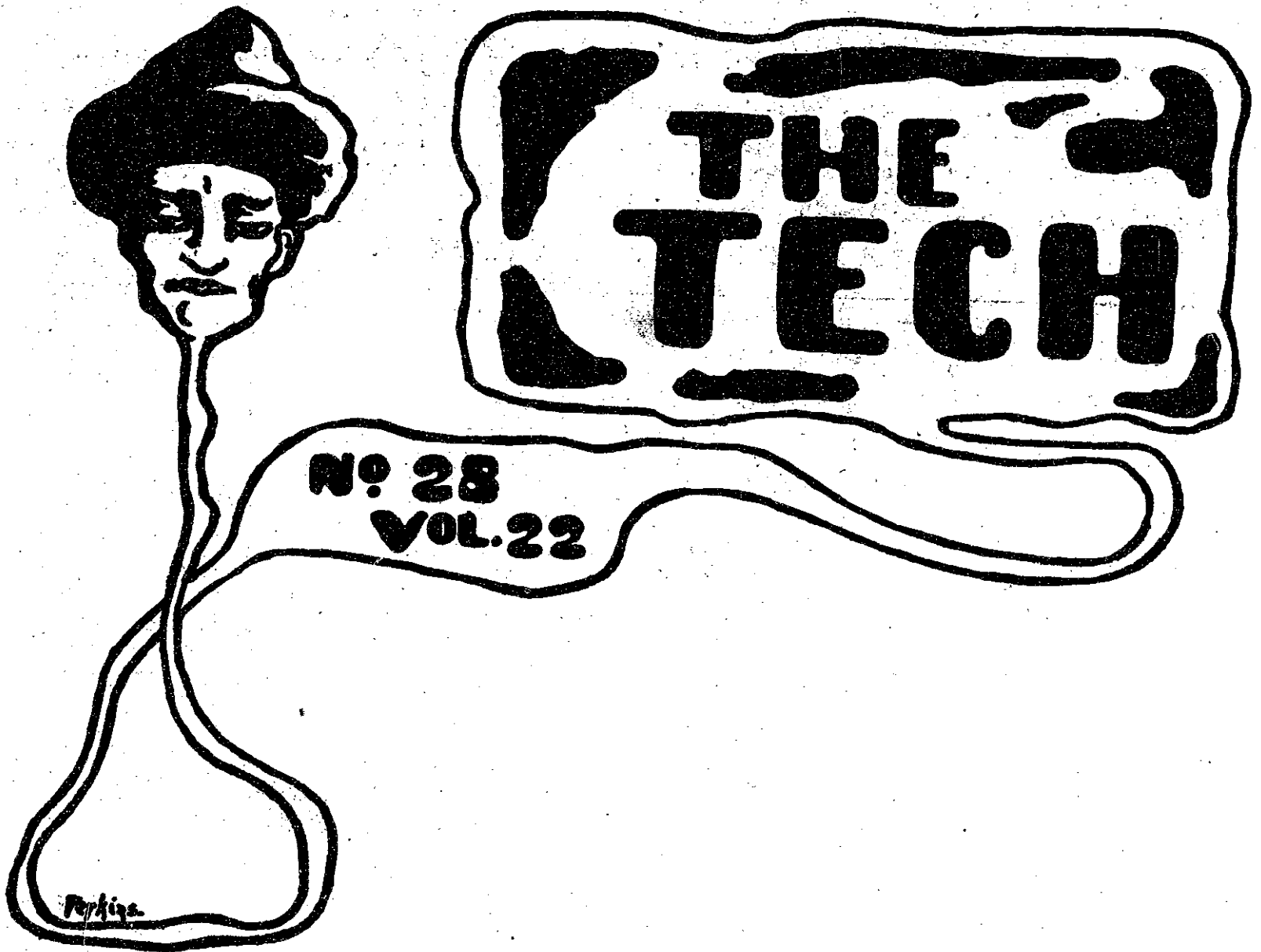


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THE TECH

VOL. XXII.

BOSTON, MAY 14, 1903.

NO. 28.

THE TECH

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

ROLAND B. PENDERGAST, 1904, *Editor-in-Chief*.
GRAFTON B. PERKINS, 1905, *Assistant Editor-in-Chief*.
RICHARD O. MARSH, 1905, *Secretary*.
J. A. FREMMER, 1904.
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J. DANIELS, 1905.
N. LOMBARD, 1905.
H. E. DARLING, 1906.
W. R. GREELEY, 1902, *Art Editor*.
C. H. GRAESSER, 1905, *Alumni Editor*.

WALDSO TURNER, 1905, *Business Manager*.
C. W. JOHNSTON, 1905, { *Assistant Business Managers*.
M. AHUMADA, Jr. 1906.

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OFFICE HOURS:

Editor-in-Chief Monday, 10-11 A.M.
Business Manager Wednesday, 11-12 A.M.

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.

All communications with the Alumni Department should be addressed to the Alumni Editor.

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"YOUR PETITION HAS NOT BEEN GRANTED."

ALTHOUGH the petition to the Senior Class to have the final examinations in the fourth year abolished met with defeat, still the effort was not entirely in vain, for probably it has been somewhat instrumental in the omission of certain examinations which have previously been given at this time of the year, and in the shortening of others. The petition was refused not on the ground of the inadvisability of discontinuing these final examinations, but because the matter is too late to be considered this year, as the courses had been planned and the work and marks graded, with the understanding that the conditions would be as usual.

The petition was made by the Senior Class only, but nevertheless expressed the general opinion of the undergraduates; so we hope the Faculty will consider this, and next year take some seasonable action on the matter.

The students, on their part, should remember that the Institute has an excellent reputation for turning out competent men, and the diplomas have a corresponding value. It is the duty of the Faculty to guard these and to take no action which will depreciate either, so that whatever decision is finally reached will undoubtedly be best for both the Institute and the students.

"A WORD TO THE WISE."

WE sincerely regret that in our last issue the supply was not equal to the demand. We estimated the cash sales would be double what they averaged during the month preceding the Junior Week issue, but the estimate was too low. We feel, however, the blame lies not with THE TECH, but with the large number of students who buy copies only now and then. It is almost impossible to predict what the cash sales will be for any number. The policy is to try to have the supply slightly in excess of the demand, but, as the cost of each paper considerably exceeds five cents, the Board cannot afford to greatly overestimate that demand. The remedy for these shortages lies in increasing the proportion of subscribers, and we hope that next year every one will take advantage of the large discount which will be offered to subscribers.

The Dual Meet with Dartmouth.

Tech has every reason to feel proud of and grateful to her Track Team for their victory at Hanover last Saturday.

The meet was one of our hardest-fought and most important in recent years, and the score, 94 to 71, shows the result in itself.

The team was given quite a send-off at North Station on Friday afternoon and about half past ten in the evening arrived at Hanover and after a promptly served supper turned in for the night. In the morning they were very cordially received; in fact, there seemed to be a concerted effort on the part of the Dartmouth men to make the stay at Hanover a pleasant one.

Major Briggs and H. S. Baker arrived Saturday afternoon about two o'clock to serve as judges for the M. I. T. team. At two-thirty the events commenced. The day was an ideal one for the games, though the men felt the effects of the hard ride the night before and almost every one on the team complained of feeling "dull and dumpish." The field is very picturesquely situated, having a fine background of hills and wooded mountains.

As the events progressed several surprises were sprung on both sides. In the high hurdles, usually considered our weakest event, $\frac{1}{5}$ of a second was clipped off the old Technology record of $16\frac{3}{5}$ seconds by Emerson in the trials and Ovington in the finals. Lindsly established another new Technology record in the hammer-throw, making 118 feet, while for Dartmouth, V. M. Place established a new record of 39 feet $5\frac{1}{4}$ inches in the shot-put. It is a significant fact that, although our men did not win in the quarter or two-mile runs, they pushed their opponents into making new records for themselves. The time of the quarter was lowered from $51\frac{4}{5}$ to $50\frac{2}{5}$ seconds, while that of the two-mile was lowered $\frac{2}{5}$ of a second. In the half-mile Wilson and Nichols were badly jockeyed by their opponents, but nevertheless secured second and third respectively, while Lewers, upon whom Dartmouth depended to win, only secured fourth, and Thrall surprised even his own men by coming in first. The time lacked $\frac{3}{5}$ of a second of equalling Dartmouth's record. In the bicycle race, Terrien, who won a place at Worcester last year, made a special play for Tsuruta and

kept him pocketed during the entire race.

The time was exceptionally slow, due to the excessive jockeying, and developed into a mere sprint for the finish, when Eastham got clear from the bunch and finished first. On the whole, considering the loss of J. W. Williams, who was laid up with a strained tendon, and the inconveniences necessary to such a trip, the meet could hardly have been more gratifying to Tech. It is the universal opinion of all who made the trip that Dartmouth outdid herself in entertaining our men, and the hope of all is that the dual meet with her be a permanent custom in Tech athletics.

The summary :

100-yard dash—S. L. Swasey, Dartmouth, first; R. S. Franklin, M. I. T., second; C. Lang, M. I. T., third; S. W. Warner, Dartmouth, fourth. Time $10\frac{2}{5}$ seconds.

1-mile run—C. A. Campbell, Dartmouth, first; W. F. Jenkins, M. I. T., second; S. H. Buckingham, third; H. Johnson, Dartmouth, fourth. Time, 4 minutes, $46\frac{1}{5}$ seconds.

120-yard hurdles—E. L. Ovington, M. I. T., first; R. D. Emerson, M. I. T., second; C. R. Haynes, M. I. T., third; R. W. Neal, Dartmouth, fourth. Time, $16\frac{3}{5}$ seconds. New Tech record.

440-yard dash—S. L. Swasey, Dartmouth, first; Le B. Turner, M. I. T., second; M. A. Coe, M. I. T., third; S. P. Warner, Dartmouth, fourth. Time, $50\frac{2}{5}$ seconds.

880-yard run—H. D. Thrall, Dartmouth, first; E. L. Wilson, M. I. T., second; R. P. Nichols, M. I. T., third; R. E. Lewers, Dartmouth, fourth. Time, 2 minutes, $3\frac{2}{5}$ seconds.

220-yard dash—R. S. Franklin, M. I. T., first; H. L. Williams, M. I. T., second; S. P. Warner, Dartmouth, third; D. L. Jackson, Dartmouth, fourth. Time, $23\frac{1}{5}$ seconds.

2-mile bicycle—B. C. Eastham, M. I. T., first; W. H. Watson, Dartmouth, second; P. G. Favor, Dartmouth, third; E. Brennan, Dartmouth, fourth. Time, 6 minutes, 17 seconds.

Running high jump—G. A. Curtis and R. D. Farrington, M. I. T., tied for first; M. W. Bullock and J. E. Griffin, both of Dartmouth, tied for third. Height, 5 feet $6\frac{1}{2}$ inches.

Shot-put—V. M. Place, Dartmouth, first; L. G. Morrill, M. I. T., second; D. C. Colesworthy, Dartmouth, third; A. H. Jeffries, Dartmouth, fourth. Distance, 39 feet $5\frac{1}{4}$ inches.

Throwing 16-pound hammer—B. E. Lindsly, M. I. T., first; V. M. Place, Dartmouth, second; W. J. Knapp, M. I. T., third; J. W. Gage, Dartmouth, fourth. Distance, 118 feet. New Tech record.

Pole vault—G. A. Curtis, M. I. T., first; F. B. Hasen, Dartmouth, second; R. D. Farrington and M. Mackie, M. I. T., tied for third. Height, 10 feet $6\frac{1}{2}$ inches. New Tech record.

Running broad jump—C. Lang, M. I. T., first; R. S. Franklin, M. I. T., second; H. W. Bullock, Dartmouth, third; H. M. Hobart, Dartmouth, fourth. Distance, 21 feet 2 inches.

Throwing discus—L. G. Morrill, M. I. T., first; V. M. Place, Dartmouth, second; A. H. Jeffries, Dartmouth, third; C. Lang, M. I. T., fourth. Distance, 105 feet 7 inches.

Two-mile run—C. A. Campbell, Dartmouth, first; F. B. Riley, M. I. T., second; E. F. Jenkins, M. I. T., third; G. A. Casey, M. I. T., fourth. Time, 10 minutes $21\frac{1}{5}$ seconds.

220-yard hurdles—J. H. Neulle, Dartmouth, first; E. L. Ovington, M. I. T., second; C. R. Haynes, M. I. T., third; W. P. Emery, Dartmouth, fourth. Time, $26\frac{1}{5}$ seconds.

Naval Architectural Society Dinner.

The annual dinner of the Naval Architectural Society was held on Friday evening, May 8, at the Technology Club.

The guests of the evening were Professor Peabody, Captain Hovgaard, Mr. Rand and Mr. W. K. Fairburn, superintendent of the Eastern Shipbuilding Company.

Mr. Hilken, toastmaster, presented Professor Peabody as the first speaker of the evening. Professor Peabody was followed by Mr. Fairburn, who gave an excellent account of the construction of the ships "Minnesota" and "Dakota."

Captain Hovgaard and Mr. Rand followed with a few words — for our future welfare.

The dinner was excellent, and without doubt it was one of the pleasantest events the Naval Architectural Society has ever had.

Baseball.

SOPHOMORES, 11. FRESHMEN, 4.

The Sophomore ball tossers had the better of last Saturday by the above score. The game was closely contested up to the ninth inning when 1905, by a combination of missplays and timely batting, scored six runs. The Sophomores played a steady game with the exception of Dissel, who had an off-day, though excelling with the stick.

The Freshmen played very erratically and showed at times absolute lack of team play. Winne made a very pretty catch of a hot liner and by fast out-field work Cutter and Thomas two men were cut off at third after long hits. Gregson was batted out of the box in the fifth and Lalley, who succeeded him allowed but two hits. Wyman pitched a very unsteady game, but at times was effective.

1905 scored in the first on two hits and a very wild pitch; in the seventh on a sacrifice combined with errors, and in the eighth and

ninth on free passes and missplays, together with a two-bagger and a triple.

1906 scored three in the fifth on two hits, a base on balls and untimely errors, and in the eighth on more errors and a sacrifice.

1905.	AB.	Hits.	P.	O.	A.	E.
Dissel, 3b.	6	3	1	0	0	4
Dean, Capt. ss.	5	2	0	0	0	0
Hill, 1b.	6	2	10	0	0	0
Wells, c.	5	2	6	3	0	0
Smith, l. f.	5	0	1	0	0	0
Steinberger, 2b.	5	0	3	4	0	0
Gardner, c. f.	3	0	0	0	0	0
Bartlett, c. f.	3	0	0	0	0	0
Fick, r. f.	4	0	0	0	0	0
Wilcox, r. f.	0	0	0	0	0	0
Gregson, p.	2	0	1	2	0	0
Lalley, p.	4	0	1	6	2	0
	48	9	23	15	6	0

1906.	AB.	Hits.	P.	O.	A.	E.
Streeter, 3b.	4	0	3	1	2	0
Redding, c.	4	1	11	0	1	0
Lampie, l. f.	4	0	0	0	0	0
Winne, 2b.	4	1	3	3	1	0
Wyman, p.	4	0	5	1	2	0
Davis, 1b.	4	0	1	10	2	0
Carr, ss.	3	1	1	1	1	0
Poole, ss.	0	0	0	1	0	0
Thomas, c. f.	4	1	2	1	1	0
Cutter, r. f.	4	1	0	1	0	0
	35	5	26	19	10	0

Earned runs, 1905, 2; 2 base hits, Dean, Winne; 3 base hits, Dissel, Wells; double plays, Steinberger, Dean; bases on balls, off Gregson, 2; off Wyman, 3; struck out by Gregson 2; by Lalley 4; by Wyman 8; passed balls, Wells 2; wild pitches, Wyman 1; time of game 1 h. 50 m. Umpire, Adams.

Batteries:

1905 Gregson, Lalley, Wells.
1906 Wyman, Redding.

1906, 14. TUFTS MED., 6.

The chief interest in the 1906 game on Monday centered in the humorist who (mis)called balls and strikes, three of Tufts runs being presents from him. The Freshmen scored almost at will and fielded satisfactorily, though still weak in team play.

	Runs	Hits	Errors
M. I. T., 1906,	14	14	3
Tufts Med.	6	9	13

Batteries:
1906, Walter, Burr.
Tufts, Carlson, Candage.

PROVISIONAL.

Schedule of Annual Examinations, 1903.

Subject to Correction by Bulletin.

Last exercises will be held as follows: Fourth and Third years, Saturday, May 23; Second year, Wednesday, May 27; First year, Friday, May 29.

MONDAY, MAY 26.

Year.	Subject.	Examiner.	Hour.
4	Hydraulics*	Porter	9 A.M.

TUESDAY, MAY 26.

4	Contemp. Lit.	Bates	9 A.M.
4	Hydraulic Motors	Porter	9 A.M.
4	Mining Engineering	Richards	9 A.M.
4	Structures	Swain	9 A.M.
4	Teleph. Engineering	Hayes	10.30 A.M.
4	Telephony	Cross	9 A.M.
4	Theoretical Biology	Bigelow	9 A.M.
4	Theory of Warship Des.	Hovgaard	9 A.M.
4	Theoretical Chemistry*	Noyes	2 P.M.
3, 4	Business Law	Albers	3.30 P.M.
3, 4	Pol. Econ. & Indust. Hist.	Dewey	2 P.M.
3	Theory of Warship Des.	Hovgaard	9 A.M.

WEDNESDAY, MAY 27.

4	Econ. of Corporations	Dewey	9 A.M.
4	Gas. Anal.†	Gill	2 P.M.
4	Hydraulic Engineering	Porter	9 A.M.
4	Structures*	Swain	9 A.M.
3, 4	Hist. of Ind.	Dewey	9 A.M.
3, 4	Ind. Elect.*	Cross	2 P.M.
3	Telegraph*	Derr	3.30 P.M.
3	Applied Mech. I., XI.*	Sondericker	2 P.M.
3	Diff. Equations*	Osborne	9 A.M.
3	Diff. Equa (brief)*	Bartlett	9 A.M.
3	Steam Engineering	Peabody, Miller,	9 A.M.
3	Surveying	Robbins	9 A.M.

THURSDAY, MAY 28.

4	Alt. Cur. Prac.	Puffer	9 A.M.
4	Metallurgy III.*	Hofman	9 A.M.
4	Metallurgy of Iron*	Hofman	2 P.M.
4	Naval Architecture	Peabody	9 A.M.
4	Org. Prep. & Reactions*	Norris	2 P.M.
4	San. Sci. & P. H.	Sedgwick	2 P.M.
4	Steam Engineering	Peabody	9 A.M.
3	Applied Mechanics	Lanza, Sondericker	9 A.M.
3	Sanitation of Ships	Sedgwick	9 A.M.

FRIDAY, MAY 29.

4	Applied Mechanics	Lanza, Fuller	9 A.M.
4	Bridge Design	Swain	9 A.M.
3, 4	Chem. Equil and Ther. & El. Chem.	Noyes, Whitney	9 A.M.
3	Arch. History	Homer	9 A.M.
3	Bacteriology	Prescott	2 P.M.
3	Naval Architectural	Peabody	9 A.M.
3	R.R. Engineering*	Allen	9 A.M.
3	Surveying Insts. (II.)	Robbins	2 P.M.
2, 3	Organic Chemistry†	Norris	9 A.M.
2	Arch. History	Homer	2 P.M.
2	Descriptive Geometry*	Faunce	2 P.M.
2	Physics	Cross, Wendell	9 A.M.

MONDAY, JUNE 1.

Year.	Subject.	Examiner.	Hour.
4	Applied Mechanics*	Lanza	2 P.M.
4	Bridge Design*	Swain	9 A.M.
4	History of Chemistry	Norris	2 A.M.
4	History of Philosophy	Robinson	9 A.M.
4	Metallurgy	Hofman	9 A.M.
3, 4 G	European Civ. and Art.	Sumner	2 P.M.
3, 4	Heating and Ventilation	Woodbridge	9 A.M.
3	Comparative Anatomy	Weyssse	2 P.M.
3	Highway Engineering	Robbins	9 A.M.
3	Indust. Chemistry	Thorp	9 A.M.
3	Mining Engineering	Richards	9 A.M.
2, 3	English Literature	Bates	9 A.M.
2	Physical Meas.	Goodwin	2 P.M.
2	Qual. Anal. XI.	Moore, Hall	2 P.M.
1	U. S. History	Currier	2 P.M.

TUESDAY, JUNE 2.

4	Dynamo Design	Derr	9 A.M.
4	Heating and Ventilation	Woodbridge	9 A.M.
4	Locomotive Engineering	Lanza	9 A.M.
4	Marine Engineering	Peabody	9 A.M.
4	Mill Engineering	Schwamb	9 P.M.
4	Organic Chemistry	Mulliken	9 A.M.
4	R.R. Engineering	Allen	9 A.M.
4	Sociol. Desc.	Baldwin	9 A.M.
3, 4	Political Economy*	Dewey	2 P.M.
3	Elect. Meas. Inst.	Laws	9 A.M.
3	Structures	Swain	9 A.M.
2	Botany	Prescott	9 A.M.
2	Crypt, Botany	Prescott	2 P.M.
2	Int. Calculus	Bartlett	9 A.M.
1	Desc. Geom. (102)	Faunce	9 A.M.

WEDNESDAY, JUNE 3.

4	Comp. Physiology	Hough	9 A.M.
4	Dyn. of Machines*	Lanza, Merrill	2 P.M.
4	Hydraulic Machinery	Porter	9 A.M.
4	Machine Design*	Schwamb	9 A.M.
4	Organic Chemistry*	Mulliken	9 A.M.
3	Railroad Engineering	Allen	9 A.M.
3	Structural Design	Lawrence	9 A.M.
2, 3	Theoret. Ch. V., VIII.	Noyes	9 A.M.
2	Mach. Tools & Cot. Mach.	Merrill	9 A.M.
1	Zoölogy	Weyssse	2 P.M.
1	Algebra*	Wells	9 A.M.
1	Military Science*	Baird	9 A.M.

THURSDAY, JUNE 4.

4	Elect. Meas. Inst.*	Laws	9 A.M.
4	Municipal San	Sedgwick	9 A.M.
3	Applied Geology	Crosby	9 A.M.
3	Geol. Str.*	Crosby	2 P.M.
3	Perspective	Lawrence	9 A.M.
3	Theo. Elect. and Per Cur.	Clifford	9 A.M.
2, 3	Qual. Anal.*	Moore, Hall	9 A.M.
2, 3	European History*	Currier	2 P.M.
2	Biology	Sedgwick	2 P.M.
2	Mineralogy	Winslow	2 P.M.
2	Physics*	Warren	2 P.M.
2	Physics*	Cross	9 A.M.
1	Mechanical Drawing*	Wendell	9 A.M.
1	Military Science	Faunce	9 A.M.
1	Military Science	Baird	2 P.M.

FRIDAY, JUNE 5.

Year.	Subject.	Examiner.	Hour.
3	Diff. Equa.	Woods	9 A.M.
3	Theoret. Elect.*	Clifford	9 A.M.
2	History of England	Sumner	2 P.M.
2	Theoret. Electricity	Clifford	9 A.M.
2, 3, 4	Theo. Chem. III., VII., X., XIII.	Whitney	9 A.M.
1, 2	Industrial Microscopy	Winslow	2 P.M.
1	Chemistry*	Talbot	9 A.M.
1	Materials	Chandler	9 A.M.

SATURDAY, JUNE 6.

3	A., W., and F. Anal.†	Mrs. Richards Woodman	9 A.M.
3	Assaying†	Lodge	2 P.M.
3	Anal. Mechanics	Lanza	9 A.M.
3	Dynamo Elect. Mach.*	H. W. Smith	9 A.M.
3	Physics*	Clifford	2 P.M.
3	Valve Gears*	Peabody Miller	9 A.M.
2, 3	English Literature*	Bates	9 A.M.
2	Diff. Calculus*	Bartlett	2 P.M.
1	Analytic Geometry	Bailey	9 A.M.
1	Trigonometry*	Bailey	2 P.M.

Special and Condition Examinations. Conflicts.

All special and "condition" examinations granted by the Faculty are to be taken at this time, unless otherwise specifically authorized. Students desiring such examinations (not on this schedule) and those having *two examinations on the same day*, also *candidates for graduation* having examinations scheduled later than Wednesday, June 3, should hand in *one of these schedules checked for all their examinations not later than Thursday, May 21*. New assignments will be sent by mail to such students on Saturday, May 23. None can be arranged later.

Reports will be mailed June 15 to students of age and to the parents or guardians of others. None can be given out verbally. Requests for duplicates will be received *with addresses* until May 27.

Summer Courses. Students whose plans for the summer make it important that the question of taking summer courses be decided before the annual reports are issued, may leave applications at the Registrar's office for provisional notification of standing in particular subjects.

For the Faculty Committee on Examinations,

WALTER HUMPHREYS, Registrar.

* For conditioned students only.

† Regular and condition examinations.

Tuition and Fees for Next Year.

It having been found that the requirement of a bond from students to secure payment of tuition and other charges has worked a hardship in some cases, and is at best unsatisfac-

tory, it has been decided to abolish this regulation and in its place to ask the students to make deposits as follows: for the first year, \$10; for higher years in chemical laboratories, \$50; in mining laboratory, \$15 each year, and to make payment of both tuition and deposit on or before November 1 or March 1. There being no bond, it becomes necessary to insist upon payment in accordance with the circular, viz.: strictly in advance. Notice is sent out at this time that all may come prepared to comply with the regulation at the opening of the next term. While the catalogue has always stated that tuition was payable in advance, the rule has not been strictly adhered to, and it is to apprise the students that hereafter the rule will be enforced that this circular is sent out so far in advance. Of course, any unexpended balance of deposit will be returned at the end of the year.

The administration believes that the new plan will be found much more satisfactory to all concerned. Upon compliance with the regulation as above, the bonds already filed will be returned.

CALENDAR.

THURSDAY, MAY 14.

1 P.M. WISCONSIN CLUB MEETING in Room 26, Rogers.

FRIDAY, MAY 15.

8 P.M. CHEMICAL SOCIETY "SMOKER" at Tech Union. Election of officers for 1903-1904.

8 P.M. TECH UNION MEETING of Chemical Society. Papers on Summer School trip. Thesis Work. Annual election of officers.

SATURDAY, MAY 16.

3 P.M. SOPHOMORE-FRESHMAN BASEBALL at American League Grounds. Second game of the series.

FRIDAY, MAY 22.

12 M. SENIOR PORTFOLIO ISSUED, Roger's Corridor.
7 P.M. WALKER CLUB Annual Dinner at Tech Union.

Review of Songbook.

The Tech Songbook has been so long talked of and is so much needed that it is a great pleasure to state it is already in such shape as to warrant a review. The editorship of the book has been intrusted to Mr. Frederic Field Bullard, the well-known composer, who was a member of the Class of '87. Mr. Bullard has taken hold of the matter in a most energetic way, with the result that Technology will soon have a Songbook, distinctly Tech — one which reflects the life and spirit of Institute men. The book will be appropriately dedicated to one who has not only done much to make it a necessity, but also to make it a reality — President Pritchett.

While all the songs are not yet completed, those which are shown show that the book will compare favorably with other college songbooks. In all, there will probably be about fifty songs, of which three-fifths will have either the words or music, or both, by Tech men. A very good idea of the nature of the book can be obtained from the following extracts from the "Contents":

"Prexy for Aye!" "Take Me Back to Tech." "On Rogers' Steps." "The Tech Push." "Tech Forever." "Years Ago." "Blankity-Blank." "Hearse Horse." "Faith to Win." "Teddy Freshman." "Simmons College." "A Song to Physics." "Mariar! Mariar!" "Janitor John." "A Son (?) of the M. I. T." "The Moon and I."

Some of these pieces are from Alumni, some from students, and many from *Techniques*. Mr. Bullard has been a most liberal contributor, both in respect to words and music.

"Take Me back to Tech" (words by I. W. Litchfield, '85, to the tune of "Solomon Levi"), has an admirable snap and dash to it. The chorus runs:

"Take me back on a special train,
To the glorious Institute,
I yearn for the inspiration of
A Technological toot.

I'd shun the physical, quizzical Prof.
And Chapel and all that;
But how I'd love again to go
On a scientific bat!"

Another example of this style is "Teddy Freshman," the refrain for which is:

"Now all you little Freshmen
That come to the M. I. T.,
The vital question is, how far
They'll pull your L. E. G.,
And for how many spondulacks
They'll get your I. O. U.
But I'll bet you a brick
You are mighty sick
Of the business P. D. Q."

They are not all in that light vein. Some of the pieces, dealing with the deeper, more sincere side of our life, are excellent musical gems. "On Rogers' Steps," by T. W. Estabrook, '05, is such a piece and one which promises to be very popular.

". . . hours and troubles smoked away,
With merry comrades near.

[Refrain:]

On Rogers' steps: what happy memories cheer us,
Of college chums and friendships made to last.
Years come and go, but still they'll seem as near us,
As when we sat on Rogers' steps in the golden, glorious past.

It is an excellent songbook and will without doubt meet with the most hearty approval. The intention was to publish it by the first of June, but as there are a number of songs which have not yet been received, it will not be possible to place the book on sale until the last of June.

In order that the students may order the book before leaving for the vacation, a few dummies, as samples, will be made ready before the close of school. The price of the book will be marked at \$1.25, but will sell for \$1.00.

"The Financial Report of the Show" is much better in reality than on the posters.

Annual Architectural Society Dinner.

The annual dinner of the Architectural Society was held on Thursday evening, May 7, at Fellner's "Old Elm," on Bedford street. Some forty-five members of the Society sat down to a very informal, but eminently satisfactory repast. At the conclusion of dinner a piano was discovered and Matteossian quickly seated thereat; Luquer brought out his violin, and the two together discoursed sweet music for many minutes, responding to repeated encores. Wilson sang a coon song in his own inimitable way and Lang did stunts on the banjo.

The next thing on the program was Figyelmessy. Is it necessary to say more? What vast resources of entertainment are called to mind by that one word! Surely no one will be more greatly missed from such gatherings as this, in future days, than the unreplaceable "Figgy," with his card tricks, his shadow pictures, his German duelling, his unnameable stunts of all descriptions. Matteossian played again, and then, "a bowling contest" was the cry. So the entire Society adjourned to Chauncy street, where the balls rolled merrily for an hour or more, resulting in a victory for '03.

Interscholastic Drill.

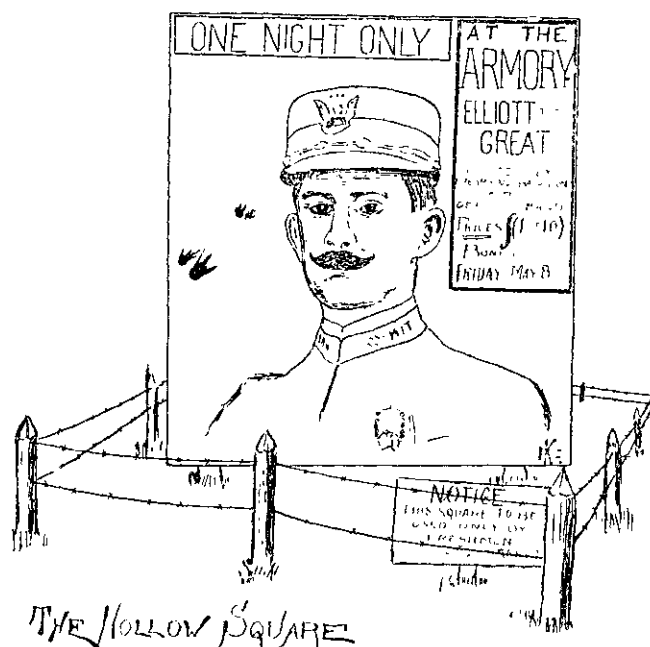
The cup put up by the Freshman Battalion for State High School companies was competed for last Friday evening by thirty men from most of the important High Schools outside of Boston. The drill commenced at 7.30 with a squad composed of all competitors. This squad was twice cut down and the winner picked from the final squad. The drilling was almost wholly on the regular manual, and no catch commands were tried. H. M. Southworth of Wakefield won the first prize, and the other Wakefield man, R. T. Emerson, got fifth place. E. J. Hall of Medford re-

ceived second, and H. W. Hurwitz and D. Bradley of Gloucester were third and fourth, respectively.

Between the squads and after the competitive drill the Freshman Battalion gave an exhibition drill. Companies A, C, E and F were present, and Company E escorted the colors.

The prizes were then awarded to the contestants. The judges were Capt. F. F. Cutting, 5th Regiment, M. V. M.; Capt. J. H. Smyth, 1st Heavy Artillery, M. V. M.; Lieut. N. P. Cormack, 1st Heavy Artillery, M. V. M. About 250 guests were present, including a number of the first year professors and instructors. The Dean distributed the prizes.

The marksmanship medals for the season were distributed to winners. Colonel Elliott, Captains Barry and Foster, and Private Webster received first-class, while Captain Keleher, Lieutenant Tucker and Corporal Hurt got second. Corporal Nash would have received a prize had he been in the competition, for he had the best scores.



Exeter Club Dinner.

The last Exeter Club Dinner for the year was held at the Union on the evening of May 8. A business meeting was first held at which it was voted to drop the idea of a ball game with the Andover Club. The officers for 1903-1904 were then elected. They are: P. E. Hinkley, '05, president; H. M. Nabstedt, '05, first vice-president; B. N. White, '05, second vice-president, and F. J. Fraser, secretary and treasurer.

After the business meeting, dinner was served. Regrets were received from Professor Richards, but Charles Welbourne, Harvard, '05, life secretary of Exeter, 1901, was present as a guest. He spoke on the relations between Exeter men at Tech to those at Harvard. Currier, '03, Cross, '03, and Porter, '04, also spoke, President Hinkley acting as toastmaster.

1905 Electoral Committee.

The men elected to the 1905 *Technique* Electoral Committee were: A. J. Amberg, C. R. Boggs, F. M. Carhart, J. Daniels, F. S. Elliott, T. Green, W. Green, T. E. Jewett, C. W. Johnston, G. B. Jones, J. McC. Lambie, N. Lombard, R. H. W. Lord, G. D'W. Marcy, R. O. Marsh, W. D. B. Motter, G. B. Perkins, W. J. Sneeringer, E. T. Steel, S. T. Strickland, W. Tufts, Le B. Turner, R. N. Turner, W. Turner and M. F. Wheeler (Miss.)

The first regular meeting was held Friday, May 8, with Pres. R. N. Turner in the chair. J. Daniels was elected temporary secretary and a constitution was submitted and adopted. The most radical change in this constitution from those of previous committees is that *four* associate editors are to be chosen instead of *three*, as heretofore. The committee was addressed by H. S. Morse, '03, and W. E. Hadley and C. L. Homer, '04, who gave some advice on the conducting of business. After the adoption of the constitution, Waldso Turner and R. O. Marsh were elected chair-

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The second meeting was devoted to the nomination of the associate editors. After the nominations were closed the candidates in turn were requested to leave the room, while for five minutes their good and bad qualities were freely discussed. The election of associate editors was held on Tuesday. G. B. Perkins, G. B. Jones and William Green were elected, but twelve ballots did not result in the election of the fourth man. Realizing the futility of further balloting, the election was postponed and the candidates for business managers were nominated. The discussion of these candidates and their election was held over until the next meeting on Wednesday.

Freshman Class Meeting.

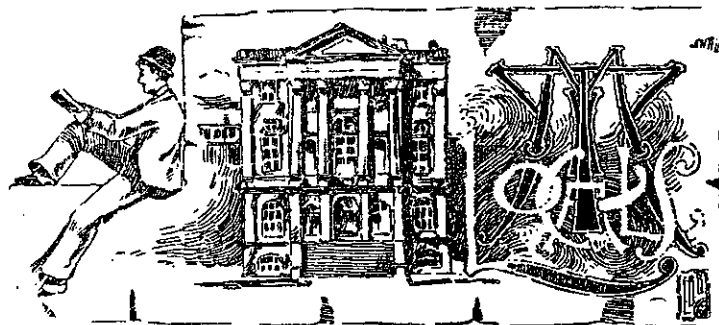
The purpose of the Freshman Class Meeting Saturday was to levy an assessment. The treasury is practically empty, and there are debts of \$75 and further obligations of \$55 to be met. A motion for a 50-cent assessment was finally carried.

W. R. Cronin of the Institute Committee was present and spoke to the Class of the necessity and desirability of a new Trophy Cup for interclass contests. The three other classes have made an appropriation of \$25, and the Freshmen have made a similar appropriation, to be paid when all present bills are cancelled.

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The 1903 Class Meeting held Monday was mainly to discuss the question of whether the Class should graduate in frock coats or not. It was decided to recommend to the Class Day Committee that business suits be worn by them and by the marshals.

Mr. Cheney of the 1903 *Technique* reviewed its history. About 200 copies still remain and should be disposed of. It is proposed to sell Class members copies for \$1 each, with the Senior Portfolio.



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All men who were in "Show" and desire their skirts, shoes, etc., please call at Union and take them away.

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The Institute Committee requests all students to submit new yells, one of which could be suitably chosen as an official "Tech" yell. Leave all such yells at Box 33, "Cage," before noon, Monday, May 18.

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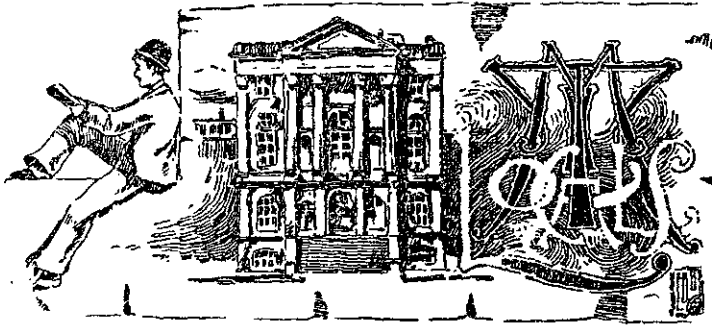
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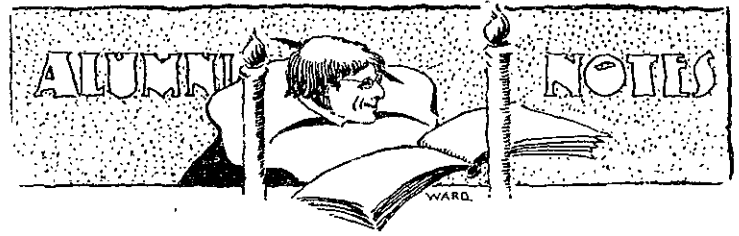
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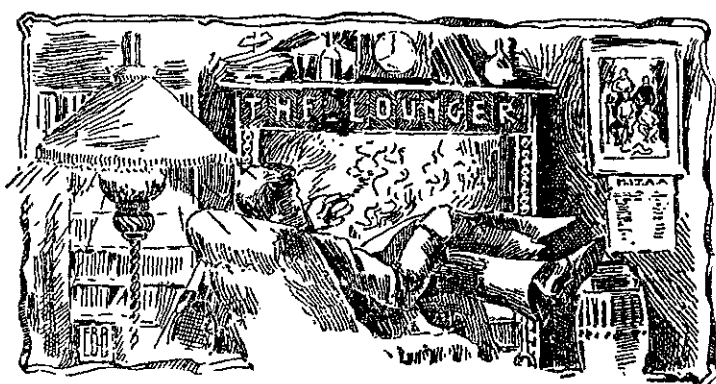
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Any one who expects THE LOUNGER to be in a merry mood in the same number that contains the annual exams is either a — or a —. Fill in the blanks, address the envelope to yourself, stamp it, and then forget to mail it. Then turn your toes in, put on your head a long conical-shaped headgear, tear the envelope open, read what you have written in the blanks, and see if everything doesn't agree. At this time of the year THE LOUNGER wishes he were about anything from a popcorn ball to a Scandinavian pup, so as to have no exams to worry over, study for, contend with, and fall down on. Exams are a necessary evil; without them we would not commit to memory half so many formulas, and without them the Faculty would be deprived of one of its keenest enjoyments. Exams may be roughly divided into the classes "gas" exams and "formula" exams. Included in the first of these two classes are Military Science, United States History, European History, and, to a less degree, Political Economy. To pass these subjects you need a slight acquaintance with them, your English must not be altogether too paralytic and must walk without crutches, you must artfully work in some red-white-and-blue patriotism, you must use as many as possible of the pet phrases of your lecturer, and you also need a fountain pen. Your understanding the subject would not necessarily hinder you. In the "formula" class of exams come the Mathematics and the Physics, and most of the other technical examinations. For these you must learn as many formulas as you have time for. Committing formulas to memory is of inestimable benefit in an exam. Say, for instance, you have learned thirty formulas in a certain subject. On the exam you find a problem to do which contains three known and one unknown quantity. The chances are that of your thirty formulas only one contains the same number of quantities appropriately lettered. Write it at the top of the page and substitute. On the other hand, suppose you have to prove one of the formulas. Write it at the bottom of the page and work upward. Another method is to work from both ends towards the middle and thus get a check on the work. If the worst comes to the worst, and you are absolutely stuck so that you cannot go ahead, select

a few formulas, and write them sideways in the book. Write them lightly, as if for your own use only, and include also any little diagrams you may happen to think of. The effect of these formulas carelessly strewn through the book is good, and will make the examiner think that you went so deep down into the root of matters that you never came up. Given a lever of formulas, a fulcrum of "gas," and a man of tact to work them, you can lift any exam on earth. But keep on studying for your own benefit.

TECH SHOW 1903.

"A Scientific King."

FINANCIAL STATEMENT (PROVISIONAL).

		RECEIPTS.	EXPENSES.
TICKETS		\$2,482.00	
PROGRAM.			
Advertising	\$505.00		
Printing	\$149.00		
Half-tones	36.00	185.00	
Balance			320.00
POSTER			
Sales	\$150.35		
Lithographing	162.74		
Design	25.00		
Commission on sales	12.45	200.19	
Deficit			\$ 49.84
SCORE			
Sales	\$306.00		
Printing	180.00		
Design	12.00		
Commission on sales	10.35	202.35	
Balance			103.65
Coaching			325.00
Theatre			474.06
Costumes			386.00
Insurance			7.37
Wigs and make-up			90.00
Postage			67.80
Dinner			72.05
Accompanying			60.00
Music copying and orchestration			50.00
Typewriting			53.67
Miscellaneous printing			46.00
Miscellaneous receipts, discounts, interests, etc.		2.99	
Miscellaneous expenses			123.78
Profit			1,103.07
		\$2,908.64	\$2,908.64

The following comparison of the item "Tickets" for last year and this, shows that the students themselves have, by their patronage, greatly aided the increased profits.

Profit Tech Show 1903	\$1,103.07	
Profit Tech Show 1902	491.30	
Increase in profit of 1903 over 1902		\$611.77
Ticket sale 1903	\$2,482.00	
Ticket sale 1902	1,947.00	
Increase in ticket sale of 1903 over 1902		\$535.00