

**THE
TECH**

MACNAUGHTON

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Vol. XXII No. 18
March 5, '03

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THE TECH

VOL. XXII.

BOSTON, MARCH 5, 1903.

NO 18.

THE TECH

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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.

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IX. DISCONTINUED.

FROM the current issues of the President's Report and the Annual Catalogue we learn that the general course, Course IX., will not be open to students entering in the future. The Executive Committee of the Corporation must have had strong reasons for discontinuing it, for although it is not a purely scientific course, and has not appealed to a large number of students, still it is not by any means the smallest

course, and it has had a helpful influence toward the other courses. The change does not seem in harmony with the recent efforts to emphasize the relation of man to mankind. The Faculty have, we are told, always deplored the lack of general and broadening studies presented at the Institute. In view of this, the removal of the one course which presents any large field for these studies seems somewhat inconsistent on the part of the Corporation.

ANNUAL CATALOGUE.

THE Annual Catalogue for 1902-1903, which is just out, embodies a number of changes. The new form and classification of the *Subject Schedule*, which will be appreciated by all, is the most prominent improvement.

The *Register of Graduates* has also received a decided renovation, greatly cutting down the required space and improving the appearance. A comparison of the *Courses of Instruction* in the various departments in this and last year's catalogues shows some marked deviations which should be carefully studied by the students of these various courses. The Schedule of Subjects in three Graduate Courses is presented for the first time in this year's issue; namely, Architecture, Chemistry and Naval Architecture.

The most striking announcement, however, is a little footnote under Course IX. — General Studies: "This course is given only for students entering before 1902," which is in accordance with the vote of the Executive Committee of the Corporation to discontinue this course.

The Pittsburg Association Banquet to Dr. Pritchett.

Dr. Pritchett arrived in Pittsburg on the morning of Feb. 17 and was met by Mr. Rice, the President of the Pittsburg M. I. T. Association, and Mr. Ely, a member of the Executive Committee. The party visited some of the interesting manufactories about the city, and in the evening an informal dinner was tendered Dr. Pritchett, all of the officers of the Association being present. The next morning Dr. Pritchett accompanied Professor Wardsworth of the Observatory to the workshops of Professor Brashear.

In the evening the formal dinner was held at Hotel Henry. Among the guests were Dr. W. J. Holland, curator of the Carnegie Museum, Mr. W. N. Frew of the Committee of the Carnegie Technical Institute, and Mr. Julien Kennedy, the leading engineer of Pittsburg. Mr. Andrew Carnegie sent his regrets in a letter very complimentary to Dr. Pritchett, one sentence being: "It is difficult to imagine a higher position for the Doctor than he now occupies, and yet if there should be one in the country, mark my words, he will get there."

In President Rice's speech, the fact that about 125 Tech men were in the neighborhood of Pittsburg at present, accounted for the goodly number of members of the Association present.

Professor Brashear spoke of his twenty-two years most cordial friendship with Dr. Pritchett, and quoted from a letter from Mr. Tittman, who has succeeded Dr. Pritchett on the Coast and Geodetic Survey, telling of the Doctor's work while superintendent of that work.

President Pritchett's talk followed, being a review of Institute affairs, including comments on the moving plan, on the size of the classes—the entering class for next year being about 600—and of the administrative

changes and of the new applied electricity laboratory. In concluding he asked all to rise to a silent toast to Dr. John Daniel Runkle.

The officers of the Association for this year are: President, Calvin W. Rice, '90; Vice-President, Perry H. Thomas, '93; Secretary and Treasurer, Howard K. Jones, '96; Executive Committee, Francis S. Viele, '91, Morris Knowles, '91, and Sumner B. Ely, '92.

Northwestern Alumni Association.

The Northwestern Association, Massachusetts Institute of Technology, held their annual banquet at Kingsley's, Chicago, Saturday, Feb. 21. There were sixty-two alumni present, some coming from as far east as Ohio and others from as far west as Anaconda, Mont., and Denver, Col. President Pritchett was the guest of the evening, and gave a very able talk on the "Effect of Applied Science on America's Progress." "The struggle," he said, "for industrial supremacy lies between America and Germany, and I am not sure that America is in the lead.

"The hope of America in the future of the struggle lies in the growth of technical training," he continued. "It is not sufficient to train our high-class engineers. We are succeeding well in that. We must go further, and give the artisan, the mechanic and the laborer the advantage of this technical training.

"Germany since 1870 has outdistanced England in the struggle for the world's trade by training commercial travelers in the technique of their work. This training has been given also to citizens in other branches of industry. Germany was the birthplace and nursery of technical training for the individual. The United States took Germany's system and transplanted it. Germany is watching us, and seizing every new and progressive idea which we inject into the work

here. We must watch Germany as well, and make use of German ideas."

Prof. George H. Hale, '90, director of Yerkes Observatory, stated very clearly, reasons for moving the Institute buildings to new and more commodious quarters, and a unanimous vote was taken by the Association to heartily endorse this movement. Dr. Pritchett also gave a brief review of the current affairs at the Institute. A telegram was read from Mr. James J. Hill, stating that owing to sickness he was unable to be present.

The following officers were elected: President, S. Sturges, '87; Vice-President, Dr. Mortimer Frank, '97; Secretary-Treasurer, V. R. Lansingh, '98; Executive Committee, E. H. Hoxley, '95, R. K. Sheppard, '95, and Durand Churchill, '98.

Second Meeting of Chemical Society.

The second regular meeting of the Chemical Society was held at the Union Monday night, about forty members being present. A short business meeting was first held, at which an amendment to the Constitution admitting graduate students to membership was adopted. Several honorary members were elected, and a committee to prepare shingles was proposed.

Following this, Dr. Norris spoke on "Chemistry as Applied to Photography," after prefacing his talk with a few useful suggestions as to subjects on which the student might prepare and read papers before the Society. He first told of the preparation of the plate, of the composition and sensitization of the emulsion and of the reactions which take place. He said, however, that the change which is effected on exposure lately has been shown to be rather a change in the physical division of the silver salts than an actual chemical change. The Ferrous Oxalate and the organic developers and their reactions were explained, and after touching on the

various intensifiers and reducers and on the many printing papers, the Doctor answered questions by his audience. Refreshments followed, and then Dr. Burns spoke on "Catalysm." He described some of the typical reactions and in some cases showed their use to manufacturers and others, and told of the investigations of Professor Crafts and other chemists along this line. Dr. Burns also opened a rather informal debate on the comparative merits of the physico-chemists and the pure chemists, and the two factions were soon engaged in argument, Dr. Norris inducing Dr. Moore to take up the cudgels for the newer branch of the science. As is usual, the evening closed with songs around the piano.

The Chess Club.

The new Chess Club at Tech is a fact. At a meeting held in 22 Rogers last Saturday, Hill, '04, was elected temporary chairman, and a letter from Andover was read, asking for a tournament. Permission has been obtained to use the Union every Saturday afternoon, and meetings will be held there regularly at that time. The next meeting will be in 22 Rogers next Friday, at 1 P.M.

Electrical Engineering Society.

Very little business was transacted at the meeting of the Electrical Engineering Society last Monday. The chairman of the Excursion Committee reported that an excursion was contemplated for the next Saturday, the time and place to be announced later by bulletin. It was voted to hold a joint meeting with the A. I. E. E. this month, preferably the 19th, and also a Smoker some time in the near future. Those desiring shingles of the Society are advised to consult Mr. Gilker at once.

The President's Report.

The annual report of the President and Treasurer of the Institute has just been issued from the office, and it is full of good reading. Dr. Pritchett has given a very interesting statement of the progress of the Institute during the past year, and of the problems that the Institute must consider in coming years.

Of special interest to the student is the President's consideration of the need of a new location of the college, in order to provide for the growing number of students. During the past three years the number of students has increased thirty-five per cent, and the total enrollment at the beginning of the year was sixteen hundred and eight. No limitation of the number of students either by placing an arbitrary limit on the entering students or by making the tuition fees excessively high would be desirable, although a more careful supervision of the entrance examination papers would be desirable. Dr. Pritchett continues by stating the arguments for and against a relocation of the Institute, and states his own view of the necessity and advisability of removing to larger and possibly more attractive quarters. His ideas for establishing a school where a simple, democratic and attractive college life may be found, are very interesting to the college man. We can do no better than quote from the report:

"Over and above all other things, I believe the time has come, particularly in New England, when institutions of learning should set before the eyes of students their own ideals of a wholesome, democratic and simple college life. Any student of the conditions of American college life can but be alarmed at the increasing sum which is required to send a boy through college; and it is time that some institution should deliberately set itself to work to solve the problem of setting forth a college life that should give to the poor student the opportunity of economical living, and at the same time the opportunity of social intercourse with his fellows. College life has been set at such a pace that the poor student is practically barred from participation in social life, unless he be, perhaps, an athlete, and finds his expenses met by his athletic abilities, a state of affairs not wholly desirable. To my thinking there is no better problem to which the Institute can devote itself than to that of furnishing to its students such facilities as will make the student life economical and simple, yet attractive to rich and poor alike.

"Should the Institute adopt a plan of removal, I hope that it may undertake to deal with this problem; and in order to do so, a system of dormitories or

student houses would need to be erected upon the new site. To accomplish the end in view, these dormitories or student houses must be maintained in a different way and upon a different principle from those ordinarily adopted. They must not be counted on as a source of revenue, but must be used to furnish the best means of living at little more than cost. I would suggest as an experimental plan some such arrangement as the following: two quadrangles, consisting of four buildings each, each quadrangle accommodating approximately five hundred students, the lower floor of each building to be devoted to sitting-rooms and dining-rooms, and the upper floors to bedrooms and occasional suites for those who desire more expensive quarters. I should call these houses rather than dormitories, as they will in their essential features be more akin to the English University Houses than to the American dormitories. Each house would form a union, its students meeting in the dining-hall and for social intercourse. The entire group of houses would be lighted and heated by a central power plant, in which would be located the central kitchen, a refrigerator plant and a laundry. With such a plant I believe we might successfully undertake to solve the problem of the economical housing and feeding of students."

There is, however, one point in the report with which we can hardly agree. In the first sentence, under "Gymnastics" Dr. Pritchett says: "The gymnasium maintained by the Institute, while not of the most modern construction, affords, nevertheless, full opportunities for exercise." Few classes are expected to do good and earnest work while track men are practising for their events, and when classes are done, the men go to the shower-baths only to find them crowded with men and the hot-water supply wholly exhausted. This is not the student idea of "full opportunities for exercise." However, the Tech Show will greatly relieve the congestion for this term.

A feature of great interest to the students is to be found under the head of "State Aid to Higher Education," and consists of a comparison of the two colleges: the University of Michigan and Tech. For the year 1901-02 the Michigan College had a registration of 3,509 students. Of these, 2,052 being from the State of Michigan, each paid a tuition fee of from \$30 to \$35, the remaining students paying \$10 more. The entire student body paid into the University treasury fees to the amount of \$148,515. During the same year \$235,000 was paid by the Tech students. The State of Michigan made up this difference in cost. This contribution of \$450,000

would be equivalent to an endowment of \$11,000,000 if the interest were computed at 4 per cent.

The most important advance in the work of the Institute during the past year has been the foundation of the Graduate School of Engineering Research. We quote again from the report:

"While this addition to the work of the Institute is intended as a fitting crown to its structure, and while its purpose is to hold up before our students the idea of a higher professional life and the hope of direct contributions to the world's knowledge, it is also to be remembered that this step is a necessary one in our competition with the technical schools of other countries. The events of the past five years have served to draw attention most sharply to the connection between commercial and industrial advance and commercial and industrial education. . . .

"The time has come when the Institute must be not only a teaching body, but it must as well lay the foundations for a school of investigation in the physical sciences. To do this it must establish the conditions which foster that quiet spirit of research upon which all advance and all discovery rest."

An interesting feature of the reports from the various departments is their almost universal expression of the need for more room and greater laboratory facilities. It is also stated that Course IX. in General Studies has been discontinued.

We can recommend the entire report to the careful perusal of the students.

Sophomore Appropriations.

The Class of '05 held a class meeting in 22 Walker, Monday, March 2. Mr. George B. Jones was elected First Vice-President, to take the place of H. W. Kenway, who has been absent from the Institute on account of illness. Messrs. J. P. Barnes and T. W. Estabrook were elected to the Song-book Committee. The following appropriations were made: \$5 for care of Trophy Room, \$12 for the insertion in *Technique*, \$72 for sweaters for football team, and \$10 for decorating the Union. The suggestion of the Advisory Council to purchase a victory banner was voted down. The decision as to the baseball team was laid on the table for one week.

The Tech Show.

Rehearsals for the Tech Show will come regularly hereafter on the following days: Monday and Thursday for the chorus and Tuesday and Friday for the ballet. Principals will in general have rehearsals on same day with chorus. Every man is urged to be regular in attendance, as failure may cause dismissal. It is important that men chosen for certain places in the chorus or ballet remember their assignments, and thus save time and confusion. Observance of these simple rules will greatly facilitate matters both for the members and for the management. The name of the Show is "A Scientific King." This year's poster will be by Bird, who has done similar work in past years for the Tech Show and *Technique*. The management this year is as follows: M. L. Emerson, '04, General Manager; R. A. Wentworth, '04, Business Manager; R. O. Marsh, '05, Assistant Business Manager; W. W. Cronin, '04, Stage Manager, and I. C. Thomas, '05, Assistant Stage Manager.

Gymnasium Athletic Contest.

The 40-yard low hurdles were run off at the Gymnasium Tuesday afternoon. Some of the runners showed that we have promising material for track work. Indeed, it is hoped that these contests will develop such material. The final heat was won by C. R. Haynes, '04, E. L. Ovington, '04, and H. H. Needham, '04. Points were given as follows: 5 for first, 4 for second, 3 for third, 2 for fourth and 1 for fifth place in the trial heats. In the final heat the points were awarded as follows: 5 for first, 3 for second and 1 for third. The scores up to date are as follows: R. O. Adams, '06, 116; C. R. Haynes, '04, 104; J. C. Baker, '04, 99½; H. H. Needham, '04, 93½; D. D. Mohler, '06, 91½.

Andover vs. Tech Basket-ball.

The basket-ball team played the Phillips Andover team at Andover last Saturday, and were defeated by a score of 19 to 12. The teams were very evenly matched, Tech showing an improvement over previous games. Although Tech was in the lead until the last few minutes of play, lack of training and endurance rendered them incompetent to withstand the onslaught of the opponents in their final rally, when Andover scored four goals from the floor and a goal from a free try. Thompson of Andover put up the best game, and Captain Libbey did very creditable work for Tech. The summary :

ANDOVER	M I T
Humphrey rf.....	lb Clay
Kinney rf	
Schildmiller (capt) lf.....	rb Schontal
	rb Goldthwait
Thompson c.....	c Coey
Dewitt rb.....	lf Bartlett
Cushman lb.....	rf Libbey (capt)

Goals from floor, Thompson 6, Schildmiller 2, Dewitt, Libbey 2, Coey 2, Clay. Goals from fouls, Kinney, Libbey 2. Referee, Clough. Umpire, Streeter. Timer, Chase. Time, 20m halves.

Mechanical Engineering Society.

Over fifty members were present at the last meeting of the Mechanical Engineering Society, Wednesday, Feb. 25. Mr. Thomas G. Richards, '94, gave an interesting talk on "Rubber," illustrated by about twenty slides and a number of specimens of "biscuits," "fleeces," hose, woven hose, moulded rubber goods, etc. The attendance was cut down by the trip taken by the "Mill Engineering" Seniors, who had spent the entire day at Lawrence, and many were too tired to attend. A number of graduates and professors were present, among whom were Professors Lanza and Schwamb. The attention of the Sophomores of Courses II. and X. is called

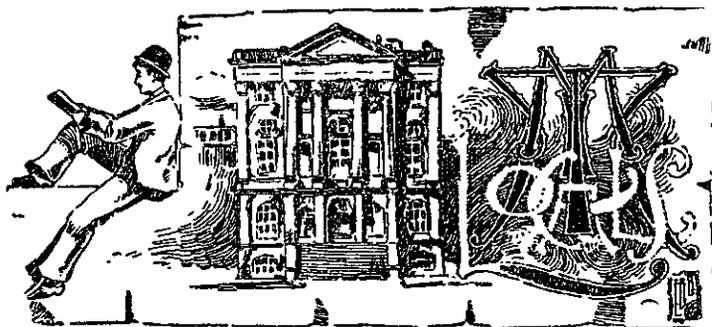
to the fact that they are eligible for membership, only a few '05 men having as yet been proposed for membership.

Wednesday evening, March 11, Mr. John A. Stevens will address the Mechanical Engineering Society on "Marine Engine-room Experiences." Mr. Stevens is at present chief engineer for the Merrimack Mills, Lowell. He is a member of the American Society of Mechanical Engineers as well as of the Society of Naval Architects and Marine Engineers. Mr. Stevens has served in the capacity of chief engineer on some transatlantic vessels, and has had some interesting experiences on the same. The Mechanical Engineering Society has invited members of the Naval Architectural Society to be present at this lecture.

Book Review.

Dr. Davis R. Dewey has published a book entitled, "Financial History of the United States." It is one of the American Citizens Series, and is issued this week from the press of Longman, Green & Co. It is a history of the country's struggles with monetary problems. Beginning with Colonial Finance we are taken through the Revolution and the Confederacy, the Establishment of a National System, Problems of Reorganization after the War, and later through the Civil War Period, and the perplexing legislation connected with Tariff, Loans, Taxation, Banking and the Silver Question. There are many charts, and each chapter has a very complete bibliography.

While numerous books have been written on separate phases of monetary art, this book holds the field alone in being a clear and orderly presentation of the entire field of national finance. We are proud that this work should go forth from Tech, and we wish for it a long, useful and honored career.



The Musical Clubs gave a concert before Old Belfry Club at Lexington on the evening of Feb. 26.

The competition for the cover design of the 1904 *Technique* was won by I. P. Lord, '04. There were four other competitors for the prize.

The following appointments have been made in the Cadet Battalion:

Corporals.—Co. B, H. V. O. Coes, W. N. Oliver, W. Smith.

On Tuesday last the regular annual election of officers of the M. I. T. Y. M. C. A. took place after the weekly meeting. The following were elected: President, A. W. Bartlett, '04; Vice-President, R. N. Whitcomb, '05; Secretary, J. R. Sanborne, '04; Treasurer, A. W. Richards, '04.

There were 47 men at the Student Dinner last Saturday night. B. Blum, '04, presided. The usual good-fellowship prevailed, and songs and stories were always in order. The quality of the dinner still continues to draw expressions of approval, and everyone wonders how Mr. Derby can possibly make both ends meet.

Office hours of Dean: 9.30 to 11 A.M., 1 to 2 P.M., 4 to 5 P.M., except Monday and Saturday; Monday, 1 to 2 P.M., 4 to 5 P.M.; Saturday no regular hours.

Office hours of Secretary: From 9 to 10 daily, except Wednesdays and Fridays, and usually from 2 to 2.30, except Saturdays.

Office hours of Registrar and Recorder: 9 to 10 A.M., 1.30 to 2.30 P.M., except Saturdays.

Friday, Feb. 27, the Class of '03 held a meeting in Room 11, Engineering B. It was voted to authorize the present class officers to arrange for the election of the Class Day Committee and the Class Day Officers. Mr. Taylor moved that no caps and gowns be worn at Commencement, and the motion was carried. Messrs. G. B. Wood, J. T. Cheney and J. W. Welsh were elected a committee to arrange for a dinner for the Senior Class.

The following officers of the Cross-country Association were elected Tuesday, March 3: President, A. J. Sweet, '04; Captain, E. H. Lorenz, '05; Chase Captain, A. M. Holcombe, '04; Secretary, C. R. Haynes, '04; Manager, F. B. Riley, '05.

The first *Technique* poster has appeared on the bulletin. It is a very acceptable pen-and-ink drawing of a judge in wig and robes.

Dinner of the Exeter Club.

On Thursday, Feb. 26, the Exeter Club held a dinner at the Union. At 6.30 about twenty men, comprising nearly the whole club, sat down, having with them as guests Recorder Wells and Mr. George, an old Exeter man. During and after the four-course dinner P. E. Hinckley, acting as toastmaster, called on Mr. George, who spoke in an interesting manner, and Mr. Wells, whose funny stories pleased the members immensely. Twing, '03, spoke and Scales, '06, declaimed several popular pieces, one being a selection from "The Merchant of Venice." After dinner the members sang some of the old favorites, including many of the Exeter songs, among them "Old Exeter," written by Bigelow, the Harvard Freshman who was run over and killed in Cambridge not long ago. At about 9.30 the party broke up, after an evening enjoyed by all present.

CALENDAR.

THURSDAY, MARCH 5.

- 4.15 P.M. TECH SHOW REHEARSAL for the Chorus at Tech Union.
- 7 P.M. 1904 DINNER at Tech Union. Tickets 75 cents. It is hoped that all members who can will be present.

FRIDAY, MARCH 6.

- 1 P.M. CHESS CLUB MEETING in Rogers 22.
- 4.15 P.M. TECH SHOW REHEARSAL for the Ballet at the Union.
- 6.30 P.M. WALKER CLUB DINNER at the Tech Union. After the dinner the club will hear a lecture on "Australia," to be illustrated by lantern slides.

SATURDAY, MARCH 7.

- P.M. ELECTRICAL ENGINEERING SOCIETY EXCURSION. For particulars watch for the Society's notices.
- 6.30 P.M. STUDENT DINNER at Tech Union. Tickets 25 cents.

MONDAY, MARCH 9.

- 4 P.M. MR. ODIN ROBERTS will address Course VI. Seniors on "Patents and Patentable Inventions," in Room 28, Lowell.
- 4.15 P.M. TECH SHOW REHEARSAL for the Chorus at Tech Union.

TUESDAY, MARCH 10.

- 4.10 P.M. Y. M. C. A. MEETING at Room 11, Pierce. Rev. W. W. Bustard, a graduate of Brown, will speak on the subject "The Athletics of Virtue."
- 4.15 P.M. TECH SHOW REHEARSAL for the Ballet at Tech Union.

WEDNESDAY, MARCH 11.

- 4 P.M. MR. ODIN ROBERTS will address Course VI. Seniors on "Patents and Patentable Inventions," in Room 28, Lowell.
- 8 P.M. MECHANICAL ENGINEERING SOCIETY meeting at Tech Union. Address on "Marine Engine-room Experiences," by Mr. John A. Stevens.
- 8 P.M. BASKET BALL; M. I. T. vs. Haverhill Y. M. C. A. at Haverhill Y. M. C. A. Gym.

THURSDAY, MARCH 12.

- 4.15 P.M. TECH SHOW REHEARSAL for the Chorus at Tech Union.



'84. Augustus H. Gill, V., has been elected President of the Northeastern section of the American Chemical Society.

'87. Sidney Williams, I., is now manager of G. B. Markle & Co.'s mines near Hazelton, Pa.

'88. L. A. Ferguson is now second Vice-President of the Chicago Edison and Commonwealth Companies.

'90. William B. Poland, I., is now superintendent of the Indiana Division of the Baltimore & Ohio Southwestern Railroad at Cincinnati.

'93. Albert L. Goetzmann is division superintendent of the Chicago & Northwestern Railroad at Winona, Minn.

'93. Herbert A. Houghton is mechanical draughtsman-at-large in the office of the Chief of Ordnance, United States Army, Washington, D. C.

'95. Azel Ames, Jr., I., has lately been appointed signal engineer of the Boston & Albany Railroad.

'97. A. K. Downes, I., is with the Weber Railway Joint Manufacturing Company in New York City and Boston.

'97. David D. Field, Jr., is in Geneva, Switzerland, engaged with his father in the consolidation of all tram lines there.

'97. David Schwartz is a chemist of the Southern Cotton Oil Company at New Orleans, La.

'02. R. V. Brown, X., is instructor in Freshman Chemistry at the Institute.

Tech, 45—Tufts, 21.

The Dual-Meet with Tufts last night was a decided success. Tech not only won out by a satisfactory margin, the final score by points being 45 to 21, but won the relay, brought out some new men, and showed an interest in athletics often lacking here and encouraging to the future of the team. Over three hundred spectators packed the Gym to its seating capacity, including many of the Faculty, ladies, students, and about one hundred Tufts men. The Tech supporters filled the western side of the Gym and part of the other, while Tufts had most of the eastern side; but though outnumbered two to one, the Tufts contingent set an example for concerted cheering that required all Homer's enthusiasm and complimentary remarks to produce an equally good showing on our part.

The events were run off in good order under good management, for which Coach Mahan is to be credited, as well as for the good showing and condition of the team under his charge. Here Tech made up in point-winning what she lacked in cheering, getting six firsts out of seven events, and three of the six second places in the point-counting events.

The first event was the 40-yard dash, and was run off in two heats. Williams, '06, Tech, won the first heat from Murphy of Tufts by a yard lead, while Van Ameringe, '06, and Lang, '04, both of Tech, ran a dead heat in the second. In the final, the men finished but inches apart, with Williams of Tech first, Murphy of Tufts second, Van Ameringe and Lang third and fourth. Time, $4\frac{4}{5}$ seconds.

In the high jump, three men from each college entered. The first Tufts man fell out at 5' 3", the second at 5' 5", Tech's first man at 5' 6", and Tufts' last man at 5' 6 $\frac{3}{4}$ ", leaving Emerson of Tech, '05, to win from Curtiss, '04, with a jump of 5' 7 $\frac{1}{2}$ ". Nason of Tufts and Farrington of Tech were third and fourth.

In the shot-put the farthest put, 37' 3", made by Kennard of Tufts, was thrown out on a foul, and Morrill of Tech, '05, won with a put of 37'. Kennard and Harpin of Tufts were second and third, and Lindsley of Tech, '05, fourth.

The 40-yard low hurdles, like the dash, was run off in two heats. Emerson won the first heat from Ovington, both of Tech, while Murphy of Tufts won the second from Van Ameringe of Tech. In the final Murphy got off with the start all his own way, and won by a yard from Emerson. Van Ameringe and Ovington finished third and fourth. Time, $5\frac{1}{5}$ seconds.

The potato race—eleven potatoes two yards apart—was also run in heats. Ovington of Tech won the first heat from Nason of Tufts by fifteen yards. Lomass of Tufts won the second from Kendall of Tech by five yards. The final was very close until the last stretch between Ovington and Lomass, when Ovington spurred ahead by five yards. Nason and Kendall were third and fourth. Time, $52\frac{4}{5}$ seconds.

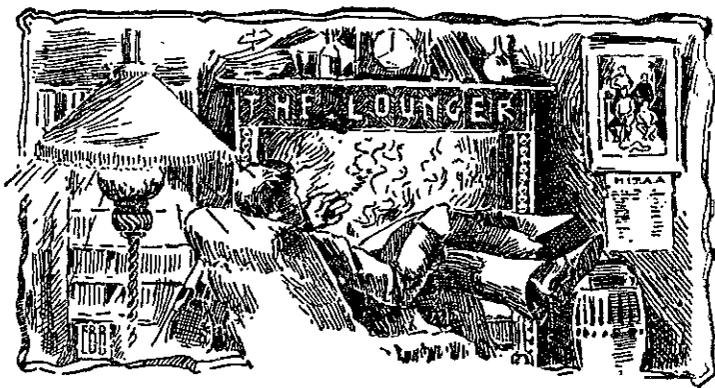
The pole vault was the best athletic event of the evening. The bar was raised three and six inches at a time, and at 9' 9" all the Tufts men had dropped out, while all the Tech men remained in the game. Eastman next failed at ten feet, while Curtiss and Mackie, who both cleared that height, attempted 10' 6", failed three times, were then too tired for either to clear 10' 3", and finally had to call it a tie. Honors were divided, though Mackie won the toss and prize. Mullen was the Tufts man to get fourth place.

The military relay race, eleven men on a side, dashes forty yards, was the final event. Williams for Tech opened up a lead of two yards on the first lap, Tufts lost fifteen yards on the second by dropping the pennant, and each successive lap increased the gap until Tech won by a lap and a half, or sixty yards.

For Tech the new men deserving credit for their showing are Mackie, Ovington, Van Ameringe and Farrington. Of the old men, Curtiss, Emerson, Williams and Morrill did their usual fine work. For Tufts, Murphy, Kennard, Nason and Lomass did the best.

Below is a schedule of points :

EVENTS.	TECH.	TUFTS.
40-yard Dash	8	3
High Jump	9	2
Hurdles	6	5
Shot-Put	6	5
Pole Vault	10	1
Potato Race	6	1
Totals	45	21



The question seems to hang upon "suspenders." Unless there is a bad break, it would appear that the question must continue to hang. The dictionary says, "Suspender, one who or that which (1) upholds, or (2) holds up." In the case of President's suspenders, THE LOUNGER would cite Mark Hanna as an example of (1) and any ordinary highway robber as (2). Although the brand under discussion does not seem to suit an ex-president, it cannot be disputed that the effect of the suspenders is bracing. There is, however, a greater than the President's suspender: that is, Jack Ketch,— he who was the King's Suspender. (Now, gentle peruser of this amorphous column, between you and THE LOUNGER, and whoever may be eavesdropping, an enterprising man could rapidly rise to untold wealth by selling this idea to some undubbed suspender, "Jack Ketch, the King's Suspender, Trade Mark." Don't say anything about it, will you?)

THE LOUNGER remarked recently that the secret of strength lay in the principle of unity. Proceeding logically from this premise, it readily becomes apparent that the sole cementive force in the Institute must be none other than that very influence which alone tends to hold together the varying interests of Tech. An investigation into the character and origin of this force reveals to the philosopher many interesting phenomena. At first blush he is inclined to the opinion that the corps of instruction may have somewhat to do with the unity of purpose of our Alma Mater. By a painstaking and thorough examination of evidence, however, the philosopher, that is, THE LOUNGER, becomes convinced that:

WHEREAS, It is the general verdict of all students (1) that Professor A calls Professor B an imbecile, and that Professor B says, "Never mind what Professor A tells you; he doesn't know what he's talking about." (2) That Professor C complains that you are not allowing enough time for — ed — ics, and when told that you have to spend part of your evening in studying — man, — nch, — sics, — cal — omy, — lus, — try, — ess, — aw, and — ish — ure, replies: "You must manage to cut down on these things and give me more

of your time. My subject is more important"; and that the instructor in each one of these many subjects is correspondingly loyal to his own particular course. (3) That Professor D compares Professor L to the "janitor," and Mr. B avails himself of his prerogative as instructor in — to throw mud at each and all of his fellow teachers, without ceremony, and to explain to his pupils how Professor This, That and the Other is only a fake after all. (4) That Mr. E runs his class ten minutes over the hour Tuesday, thus robbing Mr. F of some of his precious time, a transgression which is quickly punished by Mr. F, who seeks retribution by a similar offence upon Mr. E on Wednesday. (5) That your petition to take Mr. G's course in — tics is granted, and when Mr. G refuses to give the course, it is *you* that are declared guilty, and forced to expiate by subjecting yourself to thirty more stripes from the dreaded "red-tape." And,

WHEREAS, These sundry testimonies are substantiated and verified, be it

RESOLVED, That the only binding element calculated to preserve the Institute from disintegration and disruption, is the calm, philosophic, long-suffering and kind, patient and unappreciated student. And

WHEREAS, The aforesaid creature of humility and endurance, insufficient in worldly wisdom and in keen discretion, is guided and piloted through the many C's, and preserved and rescued from the sundry snares and toils which constantly beset and threaten his innocent feet, and

WHEREAS, In all other conceivable difficulties and entanglements he is constantly protected and solicitously cared for by the fostering wisdom and the omniloquent pen of no less a power than Our Alma Mater's Prince Consort himself,— the infallible, THE LOUNGER,— be it therefore

RESOLVED, That, in its ultimate analysis, the faithful anchor, which has so often wafted our ship of M. I. T. on to victory, the mainspring, so to speak, that has ever soothed her troubled breast, the guiding hand which has never ceased to open her eyes to what is good and expedient, the mighty anvil upon which have been shaped the fairest flowers of this conservatory of knowledge; in sum, the leaven which has entered into the souls of her sons, to add weight to their reputations and to spur their ambitions and ideals to remain steadfast and immovable as Time itself, the *ne plus ultra* to which the preservation and glory of the Massachusetts Institute of Technology must always be attributed, is, as ever, THE LOUNGER.

"You nasty, horrid, mean papa,"

Cried little Mary Jane,

"If you don't let me go to church

I'll crack your silly brain."