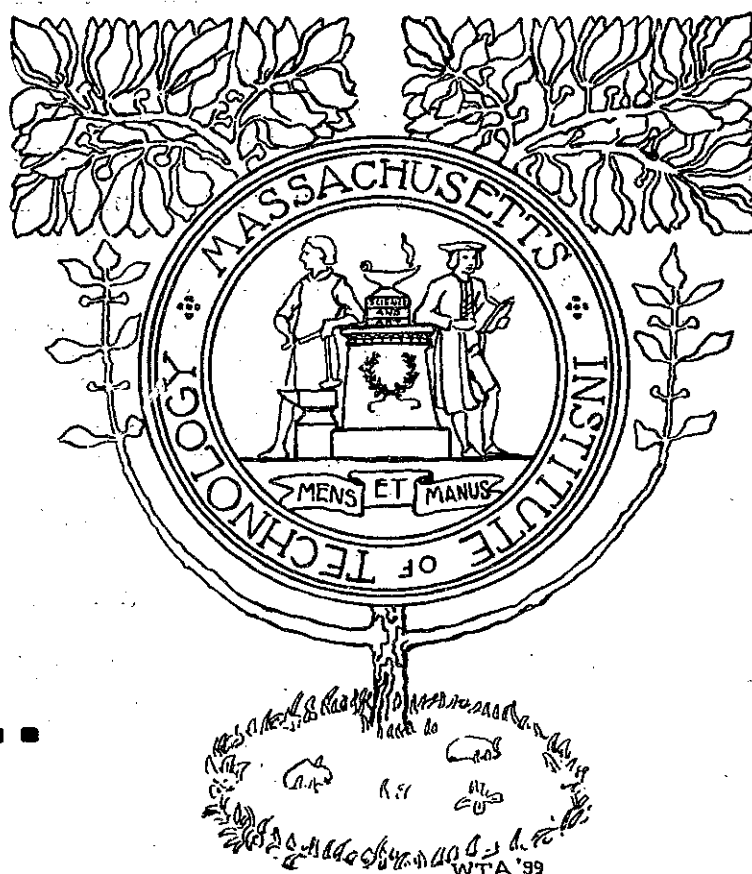


THE TECH



VOL.
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NO.
5.

NOV. 1,

1900.

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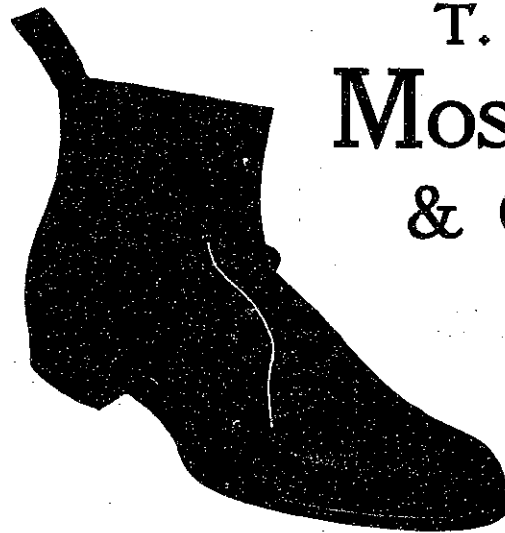
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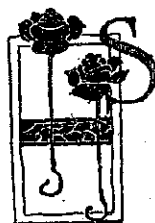
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TWO incidents occurred last week which though nothing extraordinary at first glance, give to many hope and assurance of the continuance and increase of athletic interest at the Institute. The old saying, "There is nothing new under the sun," was rudely shattered last Friday afternoon when President Pritchett was an interested spectator during the 'varsity practice. His interest in the game and in athletics generally also led him to be present at the Tech-Tufts game on Saturday,

and his praise of the team and of their clean game is one of the most powerful incentives Tech can possibly have. There is not a case on record, and it would surely have been recorded had such occurred, when a president of Technology has publicly shown his interest and approval of football by his presence at practice and at a game. Such a move surely must impress the student body and be a big factor in increasing the support by the students of the Football team, and indeed, of athletics in general.



ELDOM in the history of the Institute has such an inspiring event as the inauguration of President Pritchett with the subsequent student parade in his honor, been introduced into the life of the Tech student.

Never in the annals of Technology has there been as much so-called college spirit and enthusiasm displayed on the part of the undergraduates. The close student has begun to realize that there exists a feeling of loyalty, hitherto dormant, which has been overshadowed by that of purely personal attainment. True, each one of us is here with a definite end in view, but let us not, in our pursuit of that end be so completely blinded as to lose sight of the broader and more loyal conception of the existence of a college spirit.

May the enthusiasm which has been aroused continue to grow, that in the future we may never sink to that state of inactivity, concerning Institute affairs, which has been so characteristic of the past.

The Republican Parade.

The Intercollegiate Republican Parade of last Tuesday evening was quite as successful on the part of Tech as the inauguration serenade of last week, though in numbers there was a great deficiency. About five hundred of the fellows turned out and were provided with torches and caps and gowns of the Tech colors at the Gym. The formation was made at about seven-thirty and headed by a band and three tally-ho parties. The line of march was taken up along Exeter, past President Pritchett's home and on up to Massachusetts Avenue and Marlborough Street, where a halt was made to wait for the Harvard contingent. After considerable delay the crimson-gowned republicans appeared and the two sections were united and passed up Massachusetts Avenue, down Huntington, through the business district to Park Square and up Columbus Avenue, crossing through Berkeley to Boylston, where the Tech fellows were disbanded.

At this point the men started on a run towards the Harvard division which had halted in front of the Walker Building. Without much warning the foremost Tech men rushed into the rear of Harvard's large band and a free scrimmage soon held full sway. Resenting the audacity of the crimson delegation in singing "Fair Harvard" almost on Rogers' steps, the Tech men quickly grouped thereon and proved a most efficient guard.

Trouble had been expected at Park Square and a solid phalanx of police kept the two bodies apart there. The scope of the strategists, however, did not extend to Copley Square or all trouble would have been avoided. With the two bands in such proximity, however, nothing could stop the rush which came. Torches were extinguished and the handles used as clubs. With a yell the Tech men started for Walker steps and the Harvard men who stood in the way changed their minds and decided not to stay.

Trophies were eagerly sought and many are today hanging in Tech men's rooms.

While this rush was going on others were in action in the Square. Harvard men who tried to board cars were carried along from Trinity, across the flower beds and back again, every man clutching his cap and gown as a drowning man a straw.

The police soon appeared again, however, about one hundred and twenty-five in number, and showed little hesitancy in using their heavy clubs. It was Wednesday morning before the Square assumed its accustomed dignity.

It was expected that five hundred Tufts men would also take part in the parade, besides a battalion from Boston University. Tufts voted early in the day to give it up and the Boston University men did not appear.

Carriages, barges and automobiles broke the monotony of the line. Tech, '98, was well represented by ten or fifteen loyal rooters in a large automobile. Course V. had a large wagon and apparently was enjoying itself hugely.

One band was not enough for Tech, the music not being heard at the end of the Junior section. This kept the marching below the standard set at the Inauguration Serenade, although the Marshals were most efficient in holding the formation.

The marshals and aides were as follows: Chief Marshal, A. W. Rowe, '01; Mounted Aides, L. S. Cates, '02, C. H. Shivers, '01.

Seniors:—E. F. Lawrence, aide; W. C. Appleton, F. W. Puckey, W. G. Holford, and H. C. Marcus, marshals.

Juniors:—G. T. Seabury, aide; H. Y. Currey, F. Gannett, C. A. Sawyer, Jr., and J. C. Fruit, marshals.

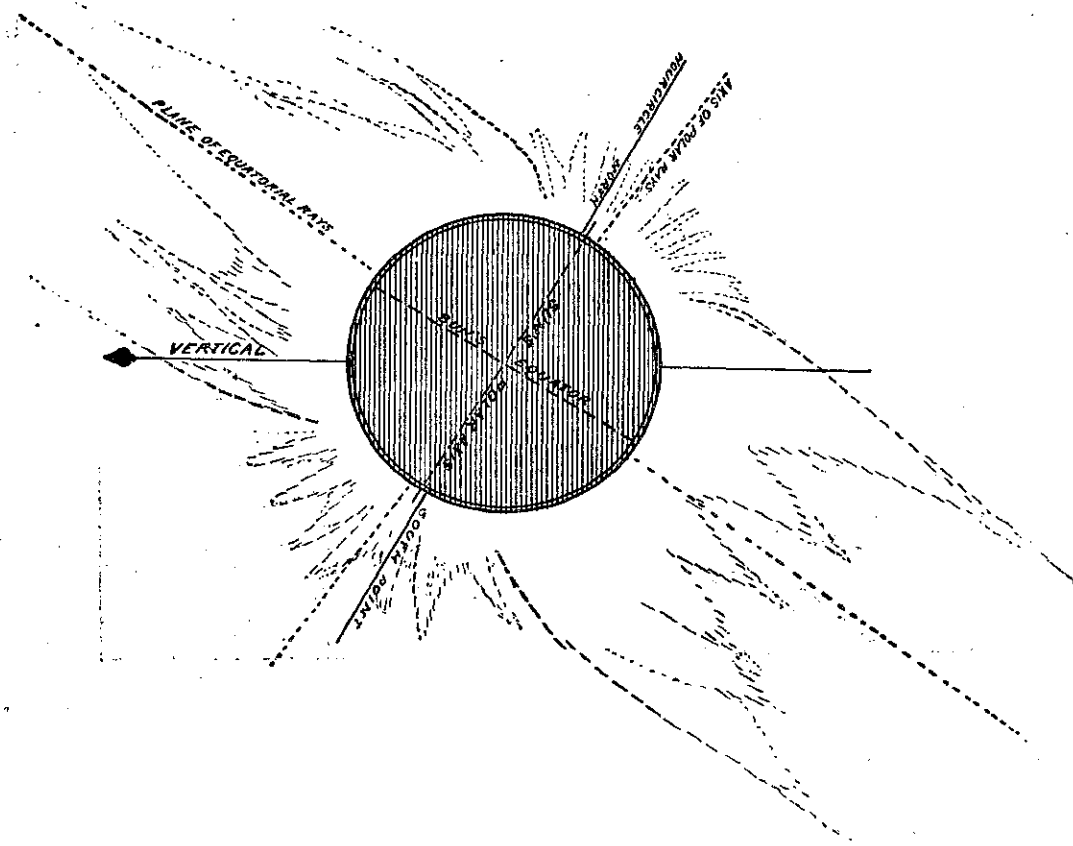
Sophomores:—P. R. Parker, C. J. Mackintosh, V. R. Nettleton, and H. T. Winchester, marshals.

Freshmen:—R. T. Sullivan, F. Crary, H. W. Goddard, and F. W. Crowell, marshals.

Apparatus used at the Recent Solar Eclipse.

As the Massachusetts Institute of Technology is strictly a school of applied science, the study of astronomy has never occupied a prominent place in its curriculum; it has, however, been taught in an elementary way and also with reference to certain applications in other departments of scientific work. It was probably a surprise to most of our students, last spring, to learn that the Insti-

the Metropolitan Park Reservation of Middlesex Fells. It has been visited and the instruments used by all students, in the fourth year of the civil engineering course, electing the subjects of Geodesy and Astronomy, but the number electing these studies is not large, and outside of this small number of students little is known either of the observatory or its work. It is for this reason that it has seemed not out of place to give a brief account in



COMPOSITE DRAWING OF THE ECLIPSE.

tute possessed apparatus suitable for any sort of investigation in connection with a solar eclipse.

A few years ago the Corporation of the Institute made an appropriation for the building and equipping of a small geodetic observatory to be used in giving instruction in that branch of astronomy that enters into the work of the geodetic surveyor, namely the determination of latitude, time and longitude. The observatory is located on one of the hills in

THE TECH of the apparatus taken to Georgia last May by members of the Institute eclipse party.

A complete record of the observations appears in the current number of the *Technology Quarterly*, and a journal of the trip has already been printed in the *Technology Review*, but it is the intention here to explain simply how it was that we happened to go and how we had the courage to think that we could do anything when we arrived.

The writer is not aware that there was any precedent for such an expedition in Technology's history, but this is easily explained. There has not been since 1869 a total eclipse of the sun visible at points so easily accessible from Boston, and it has only been within a year that there has existed a fund available for scientific research.

Last winter the Corporation appropriated a sum of money to send a party to make time observations in connection with the eclipse of May 28, 1900. The exact determination of the times of apparent contact between the disks of the sun and the moon, and the

The selection of Washington, Georgia, as the station was a happy one, and by the gathering of other scientific parties at this point, the usefulness of the time measurements was extended and a pleasant interchange of services was brought about.

To find the latitude we used a portable astronomical transit with a two and a half-inch objective carrying a micrometer eyepiece and a very delicate level. The determination was made by measuring by means of the micrometer the differences in the zenith distances of stars culminating north and south (Talcott's Method).



VIEW OF OBSERVATION STATION.

astronomical location of the point of observation are essential parts of almost all the investigations made during the period of a total eclipse. The most perfect appliances for the study of the physical structure of the sun, of its photosphere and corona might fail utterly, if the latitude and longitude of the observing station were in doubt or if there were any uncertainty about the time.

The instructors in Geodetic Surveying were familiar with these problems, and this work was placed in their charge. Fortunately they were enabled to enlist other Institute men, and the field of observation was not limited to time determinations.

To find the local sidereal time we used the same transit instrument in conjunction with a break circuit sidereal chronometer and a chronograph.

For longitude work we availed ourselves of a time signal received telegraphically from the astronomical clock in Washington, D. C.

A very solid brick pier had to be built for the support of the transit, and all the instruments were protected from the weather by a small shed provided with shutters for giving a clear field of view in the plane of the meridian.

The observations of the four contacts were made by means of two equatorially mounted

telescopes one of five and one of three inches aperture. These at the time were obtained by loan from the firm of Alvan Clark & Sons, but since the return of the party the five-inch equatorial has been purchased by the Institute and is now a part of the permanent Astro-



SOME OF THE APPARATUS.

nomical equipment. The observer with the larger equatorial recorded his observations by means of an electrical key directly on the revolving chronograph, the observer with the smaller instrument used stop watches compared before and after the observations with the chronometers.

All these observations were successful, and the success was due to the trained hand and eye, and to the delicacy of the instruments used. The observers were Prof. A. G. Robbins and Mr. G. L. Hosmer. Without fine weather, however, no amount of skill or multiplication of instruments could have prevented the whole affair from being a failure. It is this taking of chances that gives a certain fascination to eclipse work; this, and the intense concentration of effort into a single moment of time make these investigations unique in the field of astronomical research.

The transit station was connected by telephone with the nearest Western Union Telegraph Office, and during the morning of the eclipse and directly after the moment of totality, a cable message was sent from our station by Mr. Douglas of the Flagstaff Arizona Observatory to Prof. Percival Lowell

in Tripoli, Africa, who was there waiting the approach of the moon's shadow. It is interesting to note that this cablegram was received in Tripoli, ten minutes after the message left the lips of the sender in Washington, Ga., anticipating the arrival of the shadow by two hours and thirty minutes.

By far the most interesting thing accomplished by the "Tech" party as it finally proved was the photographing of the corona. The credit of this work rests entirely with Mr. Harrison W. Smith of the Physical Department. The camera devised by him was original in several features. It carried a telescopic lens of three inches aperture having a focal length of forty-three inches. The camera was firmly attached to posts driven into the ground, and it was made to follow the movement of the sun during the period of totality by means of a single screw attached to one end of the camera. This screw was operated through a series of gear wheels so arranged that by turning a crank by hand at the rate of a half turn to the second, the image of the sun was kept at a



PROF. DANA P. BARTLETT.

fixed spot on the plate. By this device the danger of vibration incidental to equatorially mounted cameras was avoided and Mr. Smith was able to make six successful negatives during the eighty-six seconds of totality. The times of exposure of the plates varied from

five seconds to twenty seconds, thus enabling different portions of the corona to be brought out with distinctness. The five seconds exposure giving the greatest amount of detail near the edge of the moon, and the twenty seconds showing the greatest extension of the outer rays. All the photographs are good for some especial feature; the one of ten seconds exposure makes the most satisfactory general picture, and photogravure reproductions of this plate have been published.

A set of observations was made by Prof. Dana P. Bartlett with the magnetometer, an instrument for measuring the intensity of magnetic force and also very small changes in the declination of the magnetic needle. These observations have proved very interesting from the purely scientific standpoint. Before last May, very little consideration had been given to the effect of a solar eclipse on the magnetic forces surrounding the earth. At this eclipse, however, Professor Bauer, of the United States Coast & Geodetic Survey, had six parties observing these effects at six different places along the track of the moon's shadow. Quite independently of these parties and in fact without the knowledge of their existence, the Institute party made careful measurements of the changes in declination of the magnetic needle during the whole period of the eclipse.

At first, a hurried inspection of the notes revealed nothing of interest, and the report that no disturbance was observed was given out. On reducing the observations, however, and plotting the curve of changes on a large scale, a decided variation from the regular daily curve was evident, and this variation was so connected with the moments of totality that its relation to this phenomenon could not be ignored. If our observation had been an isolated one it would not have meant much, but since the reports from Professor Bauer show that a similar disturbance was noted by every one of his observers, it seems that we

had the privilege of taking part in the confirmation of a new fact in eclipse research.

It needs only the mention of the sketching appliances to complete the list of apparatus used by the Institute party.

It was thought desirable to add sketching of the corona to our programme and a stand was built to facilitate and increase the accuracy of this hasty work. A board was nailed to the top of posts so that it should be nearly on a level with the eyes of the sketchers. The board was slightly inclined and on it were tacked cards already supplied with a black disk to represent the moon, with vertical and horizontal lines and concentric circles to aid in the estimations of directions and distances. To the upper edge of the board were attached vertical and horizontal wires; these were placed in front of the sketchers and their intersection could be made to appear over the centre of the moon. Four sketches were made of the different quadrants and two of the entire corona during totality. For these drawings we are indebted, in part at least, to the ladies of Washington, Ga. All the sketchers practised several times before the day of the eclipse drawing imaginary coronas to the count of the allotted seconds. The results justified the preparation.

When this list of apparatus is compared with the elaborate outfits used at other stations along the eclipse track, it certainly does not seem large but such as it was it proved quite efficient and the experience was certainly of value to the participants.

ALFRED E. BURTON.

THE TECH is able to reproduce the illustrations in this article through the courtesy of the *Technology Quarterly*.

The Board of Editors proposes making a Book Review a feature of THE TECH. Works of interest to Tech men will be brought to their attention.



W. Roger Greeley, '02, has been elected to the vacancy on the 1902 *Technique* Board caused by the illness of R. Van B. Blaisdell, '02.

Horace Baker, champion of the Western Intercollegiate A. A. in the one-mile run, entered Tech this year from Northwestern University.

The Architectural Society will start its social side for the year with a Bohemian Dinner to be given Thursday evening, November 8th.

President Pritchett was tendered a reception by the St. Botolph Club last Saturday, to which the Faculty was invited. This was the closing event of Inauguration Week.

A. E. Lombard, '02, has resigned from his position as Business Manager of THE TECH to take up his duties as Business Manager of 1902 *Technique*. A. S. More, '02, has been elected Business Manager of THE TECH to fill the vacancy.

Book Review.

"The Religion of a Gentleman," by Chas. F. Dole, author of "The American Citizen." 16mo, cloth, g. t. \$1.00. T. Y. Crowell & Co., N. Y.

Young men are shy of feeble and sentimental "goodness." The author presents the subject in an entirely new and most interesting light. The book is one that a college man, taking up, will read to the end, and feel refreshed and invigorated by the reading.

The Fall Meet.

The annual fall handicap games were held on the afternoon of the twentieth at the Charlesbank gymnasium. Two events however, the discus and short put, were decided the following Tuesday. While the attendance was small, excellent weather and good time made the meet a successful one. As usual, the two lower classes carried off the majority of the honors, yet the Sophomore class surprised everyone by winning the meet so easily.

Among the athletes individually, H. T. Winchester '03 distinguished himself by winning 22 points for his class, a very large percentage of honors for one man.

G. B. Manson '03 finished first in a prettily run and closely contested half-mile run.

H. F. Peaslee '03 proved his superiority as a long-distance runner, by capturing first in the mile and second in the two-mile run.

The summary of points for the fall inter-class championship follows:

	1901	1902	1903	1904
100-yard dash	0	1	3	5
220-yard dash	0	1	0	8
440-yard dash	0	8	0	1
880-yard run	0	3	6	0
One-mile run	0	0	6	3
Two-mile run	5	1	3	0
Shot-put	4	0	5	0
Running high jump	3	0	6	0
Running broad jump	1	0	3	5
Pole vault	1	0	3	5
Discus	6	.	3	.
Hammer throw	1	.	8	.
Totals	21	14	46	27

The summary of the games:

100-yard dash — First heat won by Crowell '04, H. T. Winchester '03 second. Time 10½s. Second heat won by F. D. Avery '02. W. C. Avery '03 second. Time 11s. Final heat won by Crowell '04 (5 yds.), H. T. Winchester '03 (3 yds.), second F. D. Avery '02 (4½ yds.) third. Time 10½s.

220-yard dash — Final heat won by Crowell '04, 10 yds.; Boggs '04, 8 yds., second; F. D. Avery '02, 10 yds., third. Time 25½s.

440-yard dash — Won by W. H. Williston

'02, 6 yds.; F. B. Galahan '02, 15 yds., second; Swinson '04, 20 yds., third. Time 56½s.

880-yard run — Won by G. B. Manson '03, 40 yds.; W. H. Williston '02, scratch, second; B. A. Shaw '03, 40 yds., third. Time 2m. 17s.

One-mile run — Won by H. F. Peaslee '03, 100 yds.; Worcester '04, 15 yds., second; Robertson '03, 100 yds., third. Time 4m. 53s.

Two-mile run — Won by C. M. Deardon '01, scratch; H. F. Peaslee '03, 140 yards, second; F. H. Hunter '02, 130 yds., third. Time 11m. 13s.

Putting 16-pound shot — Won by H. T. Winchester '03, distance 35 ft. 7¼ in., scratch; F. K. Baxter '01, 35 ft. 4¼ in., 4 ft., second; H. P. McDonald '01, 32 ft. 9 in., scratch, third.

Running high jump — Won by H. T. Winchester '03, height 5 ft. 5½ in. (5 in.); F. K. Baxter '01, 5 ft. 1 in. (scratch), second G. R. Spaulding '03, 4 ft. 9½ in. (7 in.), third.

Running broad jump — Won by A. M. Reed '04, distance 20 ft. 3 in. (2 ft.); H. T. Winchester '03, 20 ft. 1 in. (1 ft. 6 in.), second; F. K. Baxter '01, 19 ft. 10 in. (scratch), third.

Pole vault — Won by Sherrell '04, height 10 ft. 2 in. (8 in.); G. R. Spaulding '03, 9 ft. 9 in. (1 ft.), second; F. K. Baxter '01, 9 ft. 7 in. (scratch), third.

Discus — Won by C. P. Fleming '01, 101 ft. 2 in. (6 ft. 6 in.); second, H. T. Winchester '03, 99 ft. 10 in. (scratch); third, Crowell '01, 96 ft. 6 in. (6 ft. 6 in.).

Hammer throw — Won by R. M. Field '03, 77 ft. 5 in.; second, H. T. Winchester '03, 66 ft. 4 in.; third, R. W. Bailey '01, 59 ft. 5 in.

Calendar.

Friday, November 2nd. — The regular Tech Y. M. C. A. Meeting, Room 11, Rogers Building, 4.10 P. M. H. Phinny, '02, Leader. Lecture to Civil Engineering Society on Metropolitan Sewer System, by L. H. Bigelow, '01, Room 49, Engineering A, at 4.15 P. M.

Saturday, November 3rd. — Civil Engineering Society will visit New High Level Sewerage System; train leaves South Terminal Station at 2 P. M.; fare \$.09.

Sunday, November 4th. — Regular meeting at Tech Y. M. C. A. Student House, 566 Massachusetts Ave., 4 P. M.

Tufts o — M. I. T. o.

When Dr. Pritchett walked on the field at Tufts Oval last Saturday, the thirty Tech rooters, who accompanied the team gave a rousing cheer. His presence at the game no doubt encouraged the men to play their hardest and thus saved the game for Technology.

In the first half the play was mostly in Tech's and in the second, in Tuft's territory. Twice Tufts by end runs came within ten yards of scoring, but Tech would hold their opponents for downs and Metcalfe kicked the ball out of danger. Tech's line played beautifully, and not once did a Tuft's man gain his distance through centre. Metcalfe by excellent tackling stopped many end runs which might have resulted in touchdowns.

For M. I. T., Hooker, Metcalfe, Dillon and Pope, undoubtedly played the best game, but the line men deserve especial mention for the perfect defensive work they showed. Laws unfortunately sustained a fractured wrist and will probably not be able to play again during the season. It was Smith's first game, and barring a little nervousness, which was to be expected, he ran the team well and played his position creditably. In fact Maxson has an able substitute.

Tufts kicked off and after several exchanges of punts Knight tried for a goal from the thirty-yard line but failed. Tech then kicked off from her twenty-five yard line and Tufts began to work the ends. Runs of from ten to twenty yards brought the ball to Tech's five-yard line, but Tech held for downs and Metcalfe punted the ball out of danger. Tufts again played the ends and had reached the ten-yard line when time was called. With the first half ended her chance of scoring, for in the second half the ball was almost always in her territory. Pope's sixty-five yard run for a touchdown, which was not allowed, being the feature.

M. I. T.

Crocker, l. e.
 French, Heckman, l. t.
 Laws, Holnagle, l. g.
 Hunter, c.
 Hamilton, r. g.
 Roberts, r. t.
 Chubb, Hooker, r. e.
 Smith, Maxon, q. b.
 Pope, l. h. b.
 Dillon, Wilson, r. h. b.
 Metcalfe, f. b.

TUFTS.

P. Butler, r. e.
 Lamb, r. t.
 Pierce, r. g.
 T. Butler, c.
 Marshall, l. g.
 Collins, l. t.
 Plunkett, l. e.
 Ray, q. b.
 Perkins, Smith, r. h. b.
 Flagg, l. h. b.
 Knight, f. b.

Score: M. I. T. o. Tufts o. Umpire, Mr. Wardwell, B. A. A. Referee, Mr. Stroud, Tufts. Linemen, Coolidge and Moore. Time twenty-minute halves.

P. G. L. HILKEN.

The Cane Spree.

Many Cane Days in past years have resulted in a tie, one class winning the football game and the other the Cane Rush, and although no one has prevented Freshmen at the Institute from carrying canes, the question whether they had a right to do so or not, has at least in such cases been left undecided. Everyone will admit that an even draw is generally unsatisfactory. As evidence of this fact, the recent game with Tufts might be cited. So, to prevent a tie in future, it is proposed to add a so-called Cane Spree, as third event to the two, which have until now constituted the battle royal between the two lower classes.

The Cane Spree could take place immediately after the football game and could be followed by the usual Cane Rush. At Princeton, Cornell, Lehigh, Stevens and several other colleges, the Cane Spree has been in vogue for years, and is continually growing in favor. Six contestants, three from each class are necessary, and they are paired off according to their weight, the light-weight opponents weighing under 140 pounds, the middle weights between 140 and 160, and

the heavy weights anything over the last figure.

Each pair of contestants is given a hickory cane of ordinary size, and upon a signal from the referee the struggle for possession begins. Of course only fair means are allowed to be used by each man in the attempt to wrest the cane from his opponent — all slugging being barred and an umpire being appointed for each pair who shall, in the event of any unnecessarily rough methods being used by an opponent, declare the contest forfeited to the other.

The Cane Spree being an open contest, foul play can be easily guarded against. The contestant who wrests the cane from his opponent is winner of his individual contest and the class, whose representatives win two of the individual contests wins the Cane Spree.

A Cane Spree is one of the most exciting contests imaginable, and arouses far more interest than the Cane Rush, which is nothing more than an amusing general scrimmage. As the question is of most vital interest to the members of the lower classes — Manager Hilken asked their Presidents to appoint committees to meet him and discuss the advisability of having a Cane Spree this year. Mr. Briggs, the chairman of the Advisory Council on Athletics looks with favor on the proposal, and if the committees decide to adopt it, the Football Association will furnish practice canes, so that candidates can get into condition by the fifteenth of November.

1903 Football.

The Sophomores played their first game of football with Cambridge High, Friday, October 19th, at Charles River Park.

Although all the candidates were given a trial yet the team succeeded in scoring three touchdowns and were on the 5-yard line when time was called. Cambridge made their only score on a 50-yard run after a fumble. Score, '03, 18; Cambridge High, 6.

Football Notes.

Manager Hilken is negotiating for a game with Tufts to be played in Boston about the middle of November.

In Saturday's game Metcalfe '04 showed his ability to play the back field as well as bucking the line and backing.

Smith '04 played a very good game at Tufts last Saturday, considering it was his first game. With experience he ought to be an excellent quarter-back for next year's varsity.

The 'varsity played Worcester Tech on the south end grounds yesterday afternoon. A full description of the game will be given next Thursday.

It is probable that the Penn rooters on Soldiers' Field, Saturday, will be reinforced by the University Band. In '98 the band came up and covered itself with glory.

Harvard is working on the "guards back." Lewis has brought in his new ideas which worked so well two years ago in stopping the formation. He has the men start at the crack of a pistol, believing that the Penn. formation can be stopped by quick starting.

The Harvard line-up for Saturday is a matter of great comment among Harvard men now. The two ends, Hallowell and Campbell are settled. Daly will play quarter, Lawrence, right tackle, and Lee left guard. The other positions are still undetermined.

The most satisfactory explanation of Columbia's good showing against Yale both this and last year, is that Sanford, being an old Yale man, thoroughly understands the Yale style of attack and has drilled his men in the best methods to meet it. This is borne out by the fact that in the first half of Saturday's game, when Yale held to her old style of play, Columbia kept the lead, while the Blue won out in the last half when the Pennsylvania formations were used.

McCloskey of the Penn team is fast earning the reputation of being one of the best centres of the country. Coach Woodruff and Captain Hare praised him after the Chicago game, saying that Overfield could not have done better.

It looks as though the Western championship would fall to one of the three old rivals — Chicago, Wisconsin or Michigan — with the odds in favor of Wisconsin. All of these teams are at present below their usual standard.

On the occasion of the Harvard-Yale football game at New Haven on Saturday, November 24th, the New York, New Haven & Hartford Railroad will run a special express train of coaches from South Terminal Station, Boston, at 8.20 a. m., Back Bay Station at 8.24 a. m., for New Haven, returning from New Haven after the game.

Tickets for the round trip, at \$4.00, will be on sale by Leavitt and Pierce, Cambridge, and at office No. 3 Old State House, Boston, South Terminal Station and Back Bay Station, on and after November 14th.

Hare and Hounds Run.

In spite of the bad weather fourteen men turned out for the Hare and Hounds Run last Saturday. Barring the "juicy" footing the run was very enjoyable. The trail was a circuit of over five miles about West Roxbury and Highlands, at one place going well up the side of Bellevue Hill. Haynes, '04 and Worcester, '04 were the hares. Captain Pember was first hound in with Peaslee, '03 and Proudfoot, '04 next.

Next Saturday the Club will run from its old rendezvous at Newton Center.

The Freshman are coming out in good numbers this year and are making an excellent showing. Especially Drew, Gould, Worcester, Haynes, Proudfoot, Porter, and Baker.

Communications.

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

TO THE EDITORS OF THE TECH:

DEAR SIRs:—The last issue of THE TECH contained an editorial, which is apt to cause the alumni and undergraduates to form an erroneous opinion regarding the relations existing between the Athletic and Foot Ball Associations of the Institute. These associations have, I think, always worked together harmoniously until two weeks ago, when, unfortunately, a few members of the Executive Committee of the Athletic Association, contrary to the wishes of its President, Manager and Secretary, insisted upon having the games on October 20th, although they were fully aware of the fact that the Stevens game had been scheduled for that date. On hearing that the Athletic Association was considering October 20th as a possible date for the games, I saw Mr. Briggs, Chairman of the Advisory Council on Athletics, and laid the case before him.

He decided against holding the games on the same day with a home foot ball game, but upon the receipt of a letter to that effect from Mr. Briggs, certain members of the Athletic Association told him that the games were to be held at the Riverside Recreation grounds and that few men, excepting the contestants, would go so far out of town, when they could see the foot ball team play at home.

Mr. Briggs, although much opposed to having the two events on the same day, consented as he supposed that the games were to be contested at Riverside and that all arrangements had been completed—but the Recreation grounds could not be used and the Charles Bank gymnasium was chosen instead.

The fact that the place was not decided upon until the very day before the one on which the games were to be held, shows, I think, that no arrangements had been made in advance and that the games might easily have been postponed for one week.

Even supposing that the Athletic games had no effect on the attendance at the Foot Ball contest, such conflicts cast little credit on Athletic management at the Institute and, with you, I hope that the Advisory Council will at its next meeting pass a law preventing such an occurrence in the future.

P. G. L. HILKEN,

Pres. F. B. A.



'73. Frank W. Very, V., has been appointed special agent to the United States Weather Bureau at Rock Point, Md.

'75. Wilfred Lewis, II., is now President and Engineer of the Tabor Manufacturing Company, Philadelphia, Pa.

'77. Frederick W. Wood, III., is President of the Maryland Still Company and has been instrumental in developing the plant at Sparrow's Point, Md., to its present condition.

'81. Dr. John Duff, V., is recognized as one of Charlestown's leading physicians.

'82. George W. Mansfield, III., is manager of the delivery department of the New England Electric Vehicle Transportation Company, Boston.

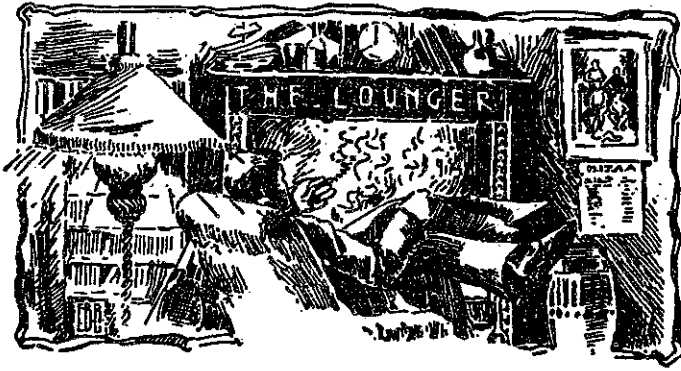
'83. George F. Shepley, IV., is a member of the Board of Architects in charge of the design and construction of the buildings for the Pan-American Exposition to be held at Buffalo during the summer of 1901.

'97. Augustus C. Lamb X., is at Chapin & Gould's Fine Writing Paper Mills, in Huntington, Mass.

'99. F. A. Watkins, II., is taking a special course in Electrical Engineering at the Institute.

'99. H. W. Goldthwaite, II., is with the Edison Portland Cement Co., at Orange, N. J.

'99. A. A. Holden, IX., has been appointed to the submastership in the High School at Woonsocket, R. I., leaving his present position in the Chelsea High School.



THE LOUNGER lights a fresh cigar, having eschewed his old briar for something more nearly suited to his dignity in these days of rush and excitement. As he reviews the events of the five weeks just completed he cannot but feel that the Institute has waked to a new life, a life well worth the living. How the events have piled upon one another in the near past, each crowding the preceding one! Aye, verily it seems as though the Fountain of Youth had been let loose in our midst and we had all drunk deep of it, forgetting all our woes, and incidentally dates and formulæ, in our mad desire to live while we live, for we shall be a long time dead.

THE LOUNGER is hugely pleased to think that he has discovered a new use to which referees can be put. Ages ago when THE LOUNGER was debating within himself as to whether he should become the mascot of THE TECH or not, he used to be aware that in kids' schools it was always highly desirable to have your own referee at a football game,—that is, if you wanted to win that game. When THE LOUNGER reached the lofty and venerable halls of Tech, however, he naturally concluded that all such childlike tricks should be laid aside and supposed that such was the case in all colleges till he was so unhappy as to visit Tufts last week. There he saw a team, having perhaps, an attack of big head from holding Dartmouth down to a low score, which finding it had run up against more than it could handle was forced to accept an official's kind aid, till THE LOUNGER stood in great doubt as to whether Tech had n't actually scored a touchdown for the opposite side.

THE LOUNGER hereby issues the following edict: No man in running clothes or bathing suits will be allowed in the lunch room from this day on. He hopes that he will be taken seriously when he deplores the habit which is becoming entirely too common at Tech, that of wearing sweaters or any old thing to recitations and even to lunch. THE LOUNGER will admit that in the mad rush to supply the demand

for the daily paper the Board has been getting out he has frequently been called upon to forego the use of suspenders or a button or so, but he does try to adjust his makeup so that his friends will not feel uncomfortable in his presence.

From the aspect of political affairs at present, THE LOUNGER feels constrained to inquire what was the object of Tech's too enthusiastic Democrats in forming their much talked of Democratic Club. That club started in with much talk and issued statements to the effect that an innumerable multitude of students attended its meeting, of whom about three-quarters were Republicans and now THE LOUNGER learns on first hand authority that the majority of the club joined in the McKinley and Sound Money Parade on Tuesday last.

News came to THE LOUNGER some few days ago that an industrious band of Freshmen had propagated a novel feature in that gentle organization known as the Battalion and THE LOUNGER extends his congratulations to the originators of the master idea of a Military Band. In those palmy days when THE LOUNGER was wont to gather with two or three other musicians of extraordinary calibre on Wednesday afternoons, and, in the sacred precincts of the practising room, play cold hands for the stimulant, a drum corp was all that was thought necessary. But now we have the Freshman Military Band rising Phoenix-like from that other simple institution, and a Band organized on a tremendous scale of splendor. As for its charitable aspect in opening the way for so many members of the battalion to become musicians, the institutors have done much towards the perpetuation on a larger scale, of this historic snap. Thanks should accordingly be distributed.

It seemed almost too sad an occurrence to believe, that so shortly after the hilarious enthusiasm of last week, with the parade following the inauguration, that the judicious Faculty should propel against Courses IV., III. and VI., the "Applied" with its \$5.60 and all other attendant evils. But such harshness is the case and under this malign influence which has settled down like a wet horse-blanket over the above courses, THE LOUNGER can now and then remember the first five weeks spent in Acadian simplicity without any disturbing visions of "Applied." And then, gradually, like to the defeated candidate smothered in the gentle snowdrift of white ballots of the successful gentleman, THE LOUNGER is numbly overwhelmed by the real condition of affairs and returns to the seclusion of his own mind and the pages of the "Applied."



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Week Commencing November 5, 1900.

Hollis Street Theatre. — Francis Wilson with an entirely new company is presenting his latest and most successful comic opera, "The Monks of Malabar." The book is by Cheever Goodwin and the score by Ludwig Englander. The play affords much opportunity for the display of Mr. Wilson's grotesque humor and the piece bids fair to make a success in Boston.

Boston Theatre. — Victor Herbert and Henry B. Smith's latest production, "The Viceroy," is being given by The Bostonians. The Bostonians are too well known in the field of musical opera to need any introduction whatever, and when it is heard that "The Viceroy" has the same virile and lyrical lilt of "The Serenade," its success is assured.

Tremont Theatre. — This is the last week of Mrs. Fisk's engagement in "Becky Sharp." The play has been given before crowded audiences since its arrival and this enthusiastic reception will continue till the end of the engagement. It is a play that Mrs.

Fiske has made remarkable and one that should certainly not be missed.

Castle Square Theatre. — A new attraction will be offered this week in "Arrah-Na-Pogue." It is a well written play and in the hands of the regular Castle Square company should prove a success.

Boston Museum. — Andrew Mack, the singing comedian, is presenting the new melodrama, "The Rebel." The play has had a long run in London and New York and has proved its popularity. It is handsomely mounted and the cast includes many well-known names. The play will run for two weeks.

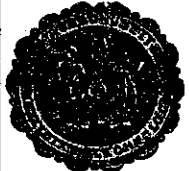
Keith's Theatre. — The usual variety of high class attractions is headed, this week, by Robert Hilliard who is to appear in his dramatization of R. H. Davis' charming story, "Her First Appearance," and which he has renamed "The Littlest Girl." Of perhaps as much interest in another way is Prince Ismael, the Indian wonder-worker. The other features are all excellent in their ways.

Columbia Theatre. — Tonight will usher in another week of crowded audiences to see the reigning favorite, "The Cadet Girl." The cast is composed of many well-known and well-liked stars, including Dan Daly, William Cameron, George Shiller, Charles Dox, Adele Richie and Toby Claud. The music is light, catchy and charming, and the whole production extremely pleasing.

Boston Music Hall. — The program this week includes Fred V. Bowers, the popular song writer, Harry Watson and Company who will present the funny one-act farce "The Two Flats," Hugh Stanton, in the comedietta "For Reform," and thirteen other features. The performance is fully high-grade in every respect and is one which will be followed with much interest.

Park Theatre. — "Lost River" by the author of "Blue Jeans" is having a well deserved success. It is a romance of Indiana rural life. The staging is excellent.

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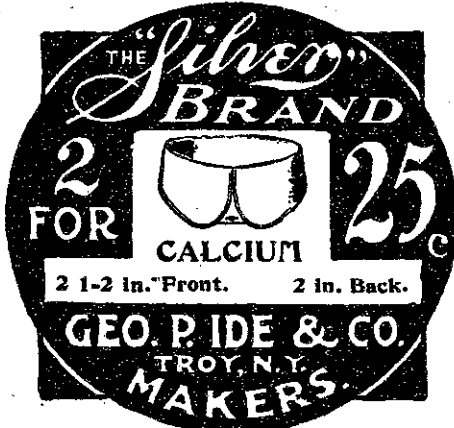
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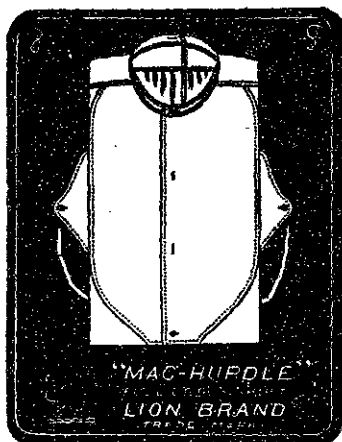
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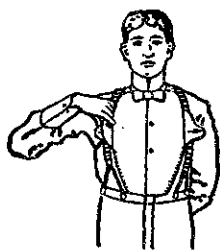
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OF ALL DESCRIPTIONS.

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Browning, King & Co.,

Clothiers and Outfitters

700 Washington Street,
BOSTON

Are now prepared to show

FALL NOVELTIES IN CUSTOM DEPARTMENT

at their well known popular prices —

Suits to order, \$16.00 and up

Overcoats to order, \$15.00 and up

Trousers to order, \$ 5.00 and up

Raglans to order, \$18.00 and up

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are just about as good as custom and
prices are just a little less.

In both lines of goods we claim
"NO CLOTHING FITS LIKE OURS."

Everything in Furnishings and Hats

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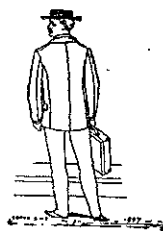
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Evening Dress and Tuxedo Suits

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The Best Grade Hats and Furnishings at Popular Prices.

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