

# THE TECH

VOL. XXXI. NO. 160

BOSTON, MASS., FRIDAY, MAY 3, 1912

PRICE TWO CENTS

## FORECAST OF DUAL MEET WITH BROWN

Compared Times Prove That the Meet Will Not Be a Walk-over as Before.

Tech meets Brown in the first dual meet at the Field in three years tomorrow afternoon, at 2.30 o'clock. Brown's team has been wonderfully increased by new men, and the present team has shown up well in the various meets that it has entered, several times breaking former records. On the other hand, Coach Kanaly has had his men grinding the cinders for many weeks, and the team is practically as good as the one that defeated the Providence team last year. Taking these new conditions into account, Tech has its match in the visitors, and the fight for honors will make the meet a record one.

The dashes will furnish the best races of the day. The times made by the fastest men of both teams are almost identical. Wilkins, '14, will have to run his best race in order to lead Fred Burns, '15, of Brown, across the tape in the hundred and the twenty-yard dashes. Wilson, '14, will race for the next place with Holding of Brown, who was second to Wilson in the meet last year.

Guething should lead Miles, Brown's best quarter-miler, in the 440 and the second place could be placed for Thompson, '13. The race for third should be a pretty one between Matthews and Mahoney.

The half and the mile will afford a hot contest between the distance men. Bylund, '13, will fight it out with Larry Hall in the 880, and the fight will be a bitter one, though Bylund should win if former and recent times are worth reference. The mile is awarded by many to Taber of Brown, the crack distance man, as he has done the four laps in 4 minutes 25 seconds, but Germain, '13, has cut many a slice off his time and will force Taber to run his best race. Waterman, of Brown, should win the two-mile easily, though Ferry, '12, winner of last year's race, is in excellent condition and will push Waterman close to a record.

In the hurdles, the two teams are most evenly matched. Huff, '14, and Curtis, '15, are the equal of Marble and Cross, and both have made better times than either of these men. Munch, '13, is not to be left out of consideration in these contests as he has done better than any of the others.

The field events are almost all with the Brown men. The exceptions include the high jump and the hammer throw. Captain Dalrymple is easily the peer of the Tech men and should have no trouble in defeating Brown's best man, Bartlett. In the other (Continued on Page 3.)

## BIOLOGICAL SOCIETY.

Annual Meeting and Dinner to Be Held in Technology Club.

The Biological Society will hold its annual banquet at the Technology Club next Monday night at 6.30 o'clock. The society is fortunate in securing Professor George C. Whipple of Harvard, who will speak of his experiences in Pittsburgh and Milwaukee in sewer construction. An excellent menu is offered, and this fact, in addition to having Professor Whipple as speaker, will undoubtedly attract a large number of men.

## PROF. JACKSON GIVES ELECTRICALS DINNER

J. J. Carty, Chief Engineer of the American Tel. and Tel. Co. Speaks.

"Help yourself," was the order of things at the Electrical Engineering Society dinner last night in the Union, where Steward Colton had prepared an exceedingly tasty supper. The food was set out on tables and the men went around with their plates and were helped to what they wished. A large punch bowl held a prominent place on the centre of the table, and it was a noticeable fact that the cups were frequently brought back to be replenished.

After the supper the names of the officers for 1912-1913 were announced. They are as follows: President, Robert H. Wood, Jr.; Vice-President, F. C. Weiss; Secretary, C. J. McCarthy; Treasurer, W. A. Ready.

With a short introduction touching upon the engineering life of the speaker of the evening, Mr. J. J. Carty, chief engineer of the American Telephone and Telegraph Company, was introduced.

Mr. Carty started out by saying that the duties of the engineering staff of the Telephone Company was to standardize the apparatus of the entire system, including piling, wiring and office equipment. In order to standardize all apparatus it is necessary to standardize first the operation of the machinery and the use of office equipment.

Affiliated with the American Telephone and Telegraph Company there is the A. D. T. Company, the Western Union and the Western Electric Company. The Telephone Company proper has 4,774,000 stations, and 2,158,000 stations directly connected with it, besides 687,000,000 of the A. D. T. Company, 138,000,000 of the Western Electric Company, making a total of 847,000,000 stations. There are 2,747,000 miles of wire in use and 10,146,000 miles of cable. If the lead cable were spread out it would cover an area of over 2,000 acres. The poles, set side by side, would be enough to fence the entire New England States. There are 34,000 miles of conduit underground, 15,000 miles (Continued on Page 2.)

## ENGLISH PRIZES

Amounting to \$2000 Are Offered to College Men.

Another opportunity is offered next year to college students to compete for prizes that amount to \$2000. The announcement comes from the University of Chicago through Professor J. Laurence Laughlin, who is the chairman of the committee in charge of the contest.

The announcement is made early in the year so that competitors can work on their thesis during the holidays, and so not have it in the way when college opens in the fall. Some of the subjects suggested this year are: "Agricultural Education," "A Lumber Policy for the United States," "The Effect of the Industrial Awakening of Asia upon the Economic Development of the West," and so forth. These subjects are ones that technically educated men ought to be able to discuss easily, and so Tech men have as good a chance to win out as men in the more literary schools.

Further information may be obtained from Professor Laughlin.

## PROPOSE FEDERATION OF WIRELESS CLUBS

Plan to Unite College Societies Finds Favor Here—Club Sends Delegates.

The scope of the work that the Wireless Society is doing in listing amateur stations promises to be greatly increased next Monday night. Two of the officers of the society attended a meeting of the representatives of amateur clubs held Wednesday night at Harvard. They wished to see whether the Harvard Club would unite its list with that being prepared here.

At this meeting it was proposed that the M. I. T. club, the Tufts club, the Harvard club, and the New England Wireless Association join forces. The Association has been influential in the past in securing a reasonable protection of the interests of amateurs. Its membership is made up of men older than most of those of the college societies. To effect the consolidation, the clubs are to send delegates to a meeting to be held at Young's Hotel Monday night, at 7.45 o'clock. The society here will send H. B. Richmond, '14, J. H. Ellis, '12, and H. A. Affel, '14.

If the Federation is formed it is planned to have it put out the list of amateur stations, for it will be better able to do so than would any one of its chapters alone. It will approach the question of wireless legislation from a new and more reasonable viewpoint. Instead of opposing every attempt at restraint the Federation will propose laws that will consider the needs of the amateur as well as those of the governmental stations. The members of the M. I. T. society feel that any proposal should first pass through the hands of an authority like Dr. Pender.

The membership in this Federation will be limited in much the same way as is that of the American Association of Electrical Engineers. It will receive no financial support from the societies, but only from its members. The clubs will retain their individuality to as great an extent as possible. In time it may be possible to extend the chapters to the high school and town clubs that are rather numerous in New England. The Federation will be able to have well known speakers to address its monthly meetings.

The plans for this Federation, as far as they have been made at the present time, have met with the approval of Dr. Pender, the Faculty adviser of the club.

## DOCENT SERVICE.

Museum of Fine Arts to Conduct Interesting Talks.

On Sunday, May 5th, the Museum of Fine Arts will hold a Sunday Docent service, which is free to all. "Christ in Art" is to be the subject of the Rev. W. H. Van Allan, D. D., in Lecture Hall, at 2.30 P. M., at which several illustrated slides of paintings in the Museum collection are to be used.

In the Department of Classical Art, Assistant Professor Henry L. Seaver will speak on "Heracles," in the Archaic Room, at 3.30 P. M. As these services have always proved exceedingly interesting, it would be valuable time spent if any Tech men who could attend would do so.

## T. C. A. ELECTIONS IN UNION AT FIVE

Clarence W. Brett Renominated For the Presidency Next Year.

This afternoon the polls will be open for the election of the officers of the Technology Christian Association until the close of its annual business meeting, which will convene in the two small rooms of the Union at 5 o'clock.

Until 5 o'clock all ballots should be left at the Cage addressed to the T. C. A. After the meeting opens, if there is any further balloting, the votes will be accepted by the chairman. Nomination blanks were received for President, Vice-President and Treasurer, as follows: For President, Clarence W. Brett; for Vice-President, Roswell F. Barratt, and two for Treasurer, Ralph B. Kennard. Blanks are left on the ballots under each office so that it will be possible for a voter to fill in the name of a member for whom he may wish to vote, though no nomination paper was filled for the man. Brett, '13, is at present the head of the Association, having held the President's office since the resignation of Gerald M. Keith, in January. He is also a nominee in the Civil Engineering Society for secretary of that organization. Barratt, '14, has been the Publicity man of the Association this year, and is a member of the Cabinet. Kennard, '13, has been very active in the Clarendon Street Church work for some time, now being the secretary of the Sunday school there. Mattson, '13, who is the other nominee for Treasurer, is at present the class treasurer of 1913.

Beside the election there will be considerable other business to come before the Association, as was outlined in the circular letter sent to the members last week by Secretary Talbot, and it is hoped by the Cabinet that the full membership will attend. Remember to be in the small room of the Union at 5 o'clock today, or if that is not possible, at least cast your ballot before then.

Yesterday afternoon Dr. and Mrs. Spear gave a tea at Trinity Court.

We will be interested to hear that at least one Tech man has found an opponent in tennis.

Princeton is a close contender with Brown for the college baseball championship.

The New England Amateur Rowing Association will arrange for a regatta on the Charles on July Fourth.

## THE WEATHER.

### UNSETTLED.

Forecast for Boston and vicinity: Friday unsettled; light to moderate variable winds.

## CALENDAR.

In Charge of S. H. Taylor, 1914.

Thursday, May 2.

1.30—T. C. A. Talk by Rev. O. C. Mark—Union.

7.00—Prof. Jackson's Dinner to E. E. Society—Union.

Friday, May 3.

5.00—T. C. A. Annual Meeting—Small Room in Union.

# THE TECH

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FRIDAY, MAY 3, 1912

## IN CHARGE OF ISSUES.

Saturday Editor—R. F. Barratt, 1914.  
Assistant—T. W. Burkhardt, 1915.

## BACK TO EARTH.

In the back corners of everyone's mind linger gleeful recollections of youthful escapades. The multitude of times that our freshly scrubbed faces adorned the family pew at church has indeed left its impression, but far more vividly we remember the Sundays when we availed ourselves of the unpreparedness of the worthy neighbors to forego church in favor of an apple-stealing raid, and enjoyed the fruit all the more for the flavoring of ministerial thunder. In even such a manner we fear the undergraduates have despoiled themselves under our care, therefore we see that a little treatment of facts in the concrete needs to take the place of abstract sermons.

We trust the Institute is not hopelessly lost, but certain elements are well on the way toward an untimely end. Why has a single match not yet been played in the Spring Tennis Tournament? Why has but one man entered the competition for the du Pont cup?

Every Tech man likes to say that the Institute is "big." What does he mean? To be "big" in the true sense an institution must be many-sided, developed in many directions; it must give opportunity for interests of every character to find expression. When in sixteen hundred men there cannot be found enough interest to run off a single match of a tennis tournament, by which the members of the Tech Varsity team are chosen, nor to arouse the slightest competition for the premier athletic honor of the Institute, it surely is a question if undergraduate activities can show the essentials of "bigness."

Therefore, before we can endure peaceably any more ill-considered claims regarding the Institute's qualifications in that direction, we must see a radical change in the conduct of certain interests that are in the habit of exhibiting the same symptoms as the two grievances forming immediate cause of these remarks.

The Tech-Brown meet tomorrow will evidently be a very close and exciting one that should draw a big crowd if anything here ever will.

Brown is trusting Bartlett for ten points.

## LAST T. C. A. SPEAKER OF YEAR YESTERDAY

Dr. Mark Addresses Large Audience on "Survival of Ethically Fittest."

The last of the course of Thursday noon lectures which have been conducted by the Technology Christian Association this year was delivered by Rev. C. E. Mark, pastor of the East Boston Bethel. Dr. Mark spoke upon the subject, "The Survival of the Ethically Fittest."

The treatment of the subject was interesting but not conclusive. Several examples were given of the survival of the physically fittest and others were cited to show the wages of sin upon the physical being. The relation of the ethical to the material was, however, slighted.

Rev. Mr. Mark referred briefly to the Titanic disaster in speaking of J. Bruce Ismay. He believes that the people and the press of the United States have not given the White Star manager a square deal. He is legally innocent, for the ship carried the required life saving devices and boats; neither is he morally at fault if he considered the Titanic unsinkable," said the speaker. He cited this example to show that Mr. Ismay's survival was in no way an exception to the theory, "The Survival of the Ethically Fittest."

The meeting was well attended and it was announced that a course of talks similar to that which the T. C. A. has so successfully conducted this year will be given next season.

## E. E. DINNER.

(Continued from Page 1.)

of underground cable, 465,000 miles of submarine cable, 294,000 miles of pole lines, and 12,240,000 poles. The valuation of the entire system is something over \$687,000,000.

Up to this time all telegraph poles have been made of timber, chestnut being almost universally used, but there is a possibility that reinforced concrete may be used in the future, although at present the timber is much more economical in regards to durability, if not in initial cost.

The ideal and the dream of the engineers of the company is to secure universal service, that is, for a man to be able to be in Boston and after a reasonable time waiting for connections, be able to talk to a person in San Francisco. The best that can be done in that direction now is to talk between New York and Denver. There is to be a decided gain, soon, however, as by the time the Panama Canal opens the system is to be such that one can communicate from New York to San Francisco, and then it ought only to be a comparatively short step to extend this so that a line of communication may be opened between Boston and the Pacific Coast.

Mr. Carty said: "In the course of twenty years or so there will probably be a population in the United States of close onto 130,000,000, and if that is the case there will be about 28,000,000 telephone stations. It can then be seen that even should the growth of the company stop at the above named figures, which is not at all likely, there will be continuous work for the engineers as the entire plant must be renewed at constant intervals.

"The last word that I wish to leave with you men is to emphasize the remark of the president of the company, who in an address before the engineers told them that one of the greatest assets that an engineer can have is to be acquainted with the study of ethics and business law, and that if success is to be attained the mind must be broadened by the acquaintance with subjects outside of a purely professional nature."

The Architectural Interscholastic competition drawings have been moved on to Columbia this week.

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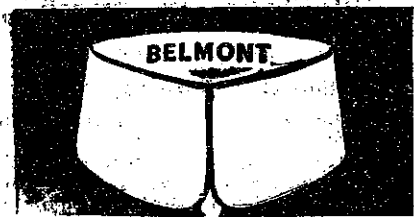
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**TENNIS SEASON IS LAGGING BADLY HERE**

No Matches Reported Played in Either Tournament This Spring.

The tennis season has been unusually slow in starting this year, and the two doubles matches which were left over from last year have not yet been played. The matches played last year resulted in a victory for Goodell and Barratt over Holmes and Roberts, with scores of 6-4, 10-12 and 6-2. The first set of doubles with MacLeod and Freeman against Fisher and Woodward have not been played yet, and until this is played off the tournament cannot be decided.

The singles which were to have been begun several days ago have also been forgotten. The results of all matches played should be left at the Cage for C. R. Woodward or W. N. Holmes.

**SOPHS VS. WALTHAM.**

Latter Has Undefeated Team But Former Expect to Win.

Saturday the Sophs will play the Waltham High School on the latter's grounds. Waltham has one of the few undefeated teams in the State. On Monday they defeated Lawrence Academy, 1 to 0, in a twelve-inning game, in which the pitching of Cobb of Waltham was the feature, and on Saturday they defeated Tufts Second, whom the Freshmen play this week, by a score of 8 to 6.

Against this strong team the Sophs will present the same lineup that they used last Saturday against Dorchester High, by whom they were defeated, 4 to 3. The loss of this game was due chiefly to the wildness of the infielders in throwing to first base, but this fault has been remedied during the past week, and Manager Gardiner expects that the infield will give a good account of itself against Waltham.

Swift, who pitched a fine game against Dorchester, will also pitch against Waltham. In his last game he showed no signs of the wildness which characterized his work earlier in the year, and if he pitches as well on Saturday it will be only necessary for the team to do a little strong hitting in order to win.

The batting order will probably be as follows: Comber, second; Gardiner, short; Page, center; Storke, catcher; Hughes, right; Stewart, first; Bryant, third; Hardy, left; Swift, pitcher.

**TRACK FORECAST.**

(Continued from Page 1.)  
event there will be a close decision. Metcalf, holder of the Tech record, should win over Bartlett, who won the event against W. P. I. last week.

In the discus throw Tech has no equal of Bartlett, who broke the New England intercollegiate record in the same meet. McLeod and Burwell will fight for second honors. The broad jump offers considerable contention. Sheppard, '12, will push Miles for first place, and McLeod and Little will pair off for second honors. The shot-put goes to Brown as there is no one who can equal Bartlett's putting. Second and third places, however, should fall to Tech.

The pole vault will probably be the weakest event of the afternoon, though interesting competition may result. Neither team has a good vaulter, though Greenleaf and Mangan have been doing fairly well, and McLaughlin is by far the best of the visiting squad.

How many Tech men make use of their chances to hear about the interesting things of the Art Museum at the Sunday afternoon lectures there?

All T. C. A. members out today for the elections.

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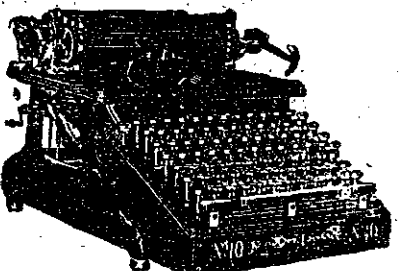
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**TECH TYPEWRITING BUREAU**  
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**Printype OLIVER Typewriter**

The Only Writing Machine in the World That Successfully TYPE-WRITES PRINT.

**17 Cents a Day!**

The Printype Oliver Typewriter which has crowded ten years of typewriter progress into the space of months, is now offered to the public for 17 Cents a Day!

—Offered at the same price as an ordinary typewriter—payable in pennies!

The commanding importance of the Printype is everywhere conceded.

For who does not see what it means to make the world's vast volume of typewritten matter as readable as books or magazines! The Printype Oliver Typewriter is equipped with Beautiful Book Type, such as is used on the world's printing presses.

Printype is distinguished by marvelous clearness and beauty. It does away with all strain on eyesight which the old-style outline type imposes. Printype puts life and style and character into typewritten correspondence. It makes every letter, every numeral, every character "as plain as print."

The complete story of Printype has never before been told. Here it is:

**The Real Story of Printype**

The idea from which "Printype" sprung resulted from the success of our type experts in equipping a typewriter used in our offices to write the "The Oliver Typewriter" in our famous trade-

mark type just as the name appears on the outside of the machines and in all Oliver publicity.

The beautiful appearance and the marvelous clearness of the reproduction of our "ebony" trade-mark type, disclosed the possibilities of equipping The Oliver Typewriter to write the entire English language in shaded letters!

We worked for years on the plan and finally succeeded in producing, for exclusive use on the Oliver Typewriter, the wonderful shaded letters and numerals known to the world as "Printype."

**The Public's Verdict**

That the public is overwhelmingly in favor of Printype is impressively shown by this fact:

Already over 75 per cent of our entire output of Oliver Typewriters are "Printypes."

The public is demanding Printype in preference to the old style type.

Within a year, at the present rate, 90 per cent of our total sales will be "Printypes."

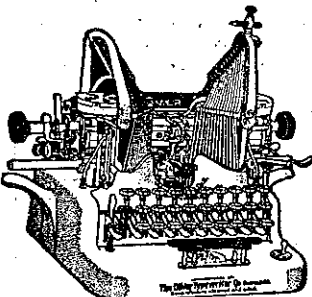
Thus The Oliver Typewriter, which first successfully introduced visible writing, is again to the fore with another revolutionary improvement—Printype, the type that prints print!

**To Corporations:** The Oliver Typewriter is used extensively by great concerns in all sections of the world. Our "17-cents-a-day" Plan is designed to help that large class of typewriter buyers who want the same typewriter that serves the great corporations, but prefer the easy system of purchase. The masses want The Oliver Typewriter because it stands the test of the largest corporations.

**Meet "Printype"—You'll Like Its Looks**

Ask for Specimen Letter and "17-Cents-a-Day" Plan.

Make the acquaintance of Printype, the reigning favorite of Typewriterdom. Ask for a letter written on The Printype Oliver Typewriter, which will introduce you to this beautiful new type. We will also be pleased to forward the "17-Cents-a-Day" Plan on request. Address Sales Department,



**The Oliver Typewriter Company**  
Oliver Typewriter Bldg., Chicago