

DARTMOUTH WINS BY 2-3 OF A POINT FROM BOWDOIN

Result Undecided Until Last Event--Colbath of Bowdoin, Holman of Dartmouth And Roberts of Amherst High-Point Winners--Tech Makes Poor Showing

Events	D.	Bo.	Wes.	A.	W.	M.L.T.	Vt.	Me.	W.P.I.	Br.	Tu.	Tr.	C.	H.C.
100-Yard Dash	1	0	3	7	0	0	0	0	0	0	0	0	0	0
220-Yard Dash	0	0	7	1	0	3	0	0	0	0	0	0	0	0
440-Yard Run	0	0	2	5	3	1	0	0	0	0	0	0	0	0
880-Yard Run	5	0	0	0	1	3	0	2	0	0	0	0	0	0
Mile Run	0	5	0	0	1	0	0	5	0	0	0	0	0	0
Two-Mile Run	0	5	0	0	1	3	0	0	0	2	0	0	0	0
120-Yard Hurdles	0	0	5	0	3	2	0	0	0	1	0	0	0	0
220-Yard Hurdles	0	5	0	3	0	0	2	0	0	1	0	0	0	0
High Jump	5	3-4	3-4	0	0	3	0	0	0	3-4	0	0	3-4	0
Broad Jump	1	2	0	3	0	0	5	0	0	0	0	0	0	0
Pole Vault	8	1-3	0	1-3	0	0	0	0	0	0	0	2	1-3	0
Shot Put	2	0	1	0	3	0	0	0	5	0	0	0	0	0
Hammer Throw	3	8	0	0	0	0	0	0	0	0	0	0	0	0
Discus Throw	1	0	5	0	2	0	0	0	0	0	3	0	0	0
Totals	263-4	261-12	23	191-3	17	12	7	7	5	4-3-4	3	2	11-12	0

Dartmouth won the championship in the New England intercollegiate track meet at Tech Field Saturday afternoon, with the score of 26 3-4 points, a margin of two-thirds of a point over Bowdoin. Before the last event, the discus throw, Bowdoin led by one-third of a point; Bowdoin had no men in this event, while Dartmouth had only one, Lovejoy. By taking fourth place, counting one point, Lovejoy gave the victory to the Hanover team.

Close to Dartmouth with 26 3-4 point came Bowdoin with 26 1-12. Wesleyan scored 23, Amherst 19 1-3, Williams 17, Tech 12, Vermont 7, Maine 7, Worcester Polytechnic 5, Brown 4 3-4, Tufts 3, Trinity 2, and Colby 1 1-12. Holy Cross failed to score. Dartmouth's score was the result of her work in the field events, where the Green showed up strong, taking 20 3-4 points. Bowdoin took three firsts on the track, and one in the field event. Several other places in these events added to their score. Wesleyan showed up better than was expected and captured three firsts, one second, two thirds, and a fourth.

At the end of Friday's preliminary work it was evident that Dartmouth would be among the leaders in the finals. Seventeen Hanover men qualified, nearly twice as many as any other college. The other colleges scored as follows: Williams 9, Wesleyan 8, Bowdoin 7, Tech 5, Amherst 5, Brown 4, Maine 3, Colby 3, Vermont 2, Worcester Polytech 2, Holy Cross, Tufts and Trinity each one. Technology's men proved somewhat of a disappointment. W. D. Allen 1911, failed to qualify in the pole vault, P. W. Dalrymple 1912, did not qualify in the high jump, and J. L. Bray 1912 failed in the hammer throw. W. C. Salisbury 1911, qualified in the 220-yd. dash and in the quarter mile. P. D. White 1911 won his heat from Baxter of Dartmouth. W. J. Pearl 1910 took his first heat in the high hurdles from Marble of Brown. O. V. Chamberlain 1911, barely qualified in the discus throw.

Weather conditions on Saturday were of the worst, and the track, although in better shape than on Friday, was much against fast times. However, three of the Tech field track records were by the board. Baxter of Dartmouth lowered the track record in the half-mile to 2m. 1 3-5s.; Colbath of Bowdoin did the mile in 4m. 27 3-5s. and the two-mile in 9m. 56 1-5s., both being new track records. Holdman of Dartmouth established a new N. E. I. A. A. record in the pole vault of 11 ft. 8 1-2 in. Colbath of Bowdoin, the winner of both the mile and the two-mile runs, Holdman of Dartmouth, who now holds the N. E. I. A. A. pole vault record, and Roberts of Amherst, the greatest point winner, were the stars of the meet.

DASHES.

All of the best men remained for the finals of the 100-yd. dash. Sherman of Dartmouth did not start. Either Roberts of Amherst or Robson of Wesleyan was expected to win the event. McKenney of Bowdoin, Russell of Dartmouth, Snow of Williams and Baldwin of Amherst also started. The men all started with the crack of the gun, but

Roberts and Robson soon pulled slightly ahead, the Amherst man placing first with Robson at his shoulder. Baldwin was third, and Russell was awarded fourth place. The time was 10 2-5 sec.

In the final of the furlong dash, Salisbury of Tech started in the rear with Robson of Wesleyan, Baldwin of Amherst, Wood of Wesleyan, Russell of Dartmouth and Hartigan of Brown, ahead of him. He seemed to be out of the running, but in the last fifteen yards, he came up with a rush and the whole six men were nearly even, Salisbury throwing himself forward into second place at the tape. Robson was awarded first place, Wood of Wesleyan was third, and Baldwin of Amherst was fourth man. Robson finished in 22 4-sec.

DISTANCE RUNS.

Salisbury of Tech started out in the quarter in the lead with Young of Amherst, Lester of Wesleyan, McKenna of Holy Cross and Palmer of Dartmouth close at his heels. He kept in this place past the turn, but in the finish sprint Young, Lester, and Wood passed him. Young won in 51 seconds from Lester who was about a yard behind him. Wood was third and Salisbury fourth.

Baxter of Dartmouth and White of Technology were looked upon as the chief contenders in the half-mile. In the preliminary heat, White just beat out Baxter for first place. In the final, White had the pole, and soon darted to the front, doing the quarter mile in 59 seconds. Baxter was holding himself back during the first lap, but after passing the quarter, he came to the lead with a rush, passed White and crossed the tape a winner by 10 yards. White came second, with a good lead over Fortier of Maine. Campbell of Williams landed in the fourth position. Baxter's time was 2 minutes, 1 3-5 sec.

From a crowded field L. O. Mills 1911 of Technology sprang into the lead in the mile run. For half the race, Mills was doing the pacing with Colbath of Bowdoin and Harmon and Hicks of Maine following close behind. After the third lap, the Maine men jumped ahead leaving Mills way behind. Colbath beat out Harmon by 20 yards in 4 minutes 27 3-5 seconds. Hicks captured third after a tussle with Newton of Williams who landed fourth.

H. G. Watkins 1912 was expected to give Colbath of Bowdoin a battle for first place in the two-mile run. Colbath had won first in the mile run about three-quarters of an hour before this and his followers feared that he would be unable to make the premier place in the long distance event. Watkins lead the field for six laps. The other Tech runners, the Ferry brothers, were out of the contest after the half mile had been passed. Colbath was directly behind Watkins with Greene of Brown at his shoulder. On the sixth lap, Colbath attempted to pass Watkins but Watkins fought back hard and retained his place but toward the last half of the final lap, Colbath with tremendous speed and power, forced Watkins to give up his place. Colbath came down the

finish with fine style and broke the tape 9 min. 56 1-5 seconds after the start. Watkins was easily second with Greene of Brown third, and Simson of Williams fourth.

HURDLES.

Fish of Williams, Wendell of Wesleyan, Marble of Brown, and Pead of Tech made up a fast quartette in the high hurdles. Wendell got away in good shape and by clearing his hurdles better than the other contestants he made better time, finishing first in 16 2-5 seconds. Fish of Williams just managed to place ahead of Pead and Marble came in fourth.

After the semi-finals in the low hurdles, there was left for the final race. Edwards of Bowdoin, Gutterman of Vermont, Roberts of Amherst and Marble of Brown. Roberts and Gutterman lead up to the last hurdle while Edwards of Bowdoin was a few feet behind. On the dash for the tape, Edward pulled ahead and won the event by inches from Roberts. Gutterman was third and Marble fourth. The time was 25 3-5 seconds.

FIELD EVENTS.

But for the work of Holdman in the pole vault and the jumping of Gutterman, the Vermont star, the field events were without any special features. Clough of Worcester Polytech proved the winner in the shotput and Bowdoin took the most points in the hammer throw from Dartmouth who expected that the Marden brothers would place high. By beating Chamberlain of Tech by about three inches in the discus, Lovejoy of Dartmouth gave the Green the point needed to throw the victory from Bowdoin to the Hanover college.

100-YARD DASH.

First heat--Won by E. M. Roberts, Amherst; J. H. McKenney, Bowdoin, second. Time 10 2-5s.

Second heat--Won by E. Baldwin, Amherst; J. S. Russell, Dartmouth, second. Time 10 2-5s.

Third heat--Won by R. V. Snow, Williams; J. R. Pinkett, Amherst, second. Time 10 2-5 se.

Fourth heat--Won by W. E. Robson, Wesleyan; J. P. Hartigan, Brown, second. Time 10 2-5 s.

Heat for second men--Won by J. S. Russell, Dartmouth; J. H. McKenney, Bowdoin, second. Time 10 3-5s.

Final heat--Won by E. M. Roberts, Amherst; W. E. Robson, Wesleyan, second; E. Baldwin, Amherst, third; J. S. Russell, Dartmouth, fourth. Time 10 2-5s.

220-YARD DASH.

First heat--Won by Salisbury, Tech; Russell, Dartmouth, second. Time 23s.

Second heat--Won by Baldwin, Amherst; Wood, Wesleyan, second. Time 22 4-5s.

Third heat--Won by Robson, Wesleyan; Hartigan, Brown, second. Time 23s.

Final heat--Won by W. E. Robson, Wesleyan; W. C. Salisbury, second; L. R. Wood of Wesleyan, third; E. Baldwin, Amherst, fourth. Time 22 4-5s.

(Continued on page 85.)

THE INSTITUTE TRAINING

(Continued from page 81.)

rice of learning the principles in class or lecture room, for the doubtful advantages of more detailed information. As President Walker said, engineers should be "strengthened by the mastery of principles, more than by the acquisition of information, with temperaments chastened to the true union of conservatism and enterprise by study of the best examples from practice."

From now on the courses divide. The "professional" work is emphasized. Now it is that the individuality of the man is developed. After having been given the principles he is left to his own devices in their application in the class room. The responsibility is put right up to the man and he must develop the nerve to go ahead with the courage of his convictions.

One of the most notable things about the professional work at the Institute is that it cannot be characterized as boy's work with toy miniatures. Instead of that, life size realities are at the disposal of the student. The full sized brick arch experiments are illustrations of this point. Conditions are made as much like those found in the world as they can be within the limitations of space and circumstance.

Still the importance of the principle over the detail must be emphasized. President Walker said the Institute trains by "subordinating the acquisition of the knacks of a trade and mere technical device to the study of principles." This study is largely confined to the recitation or lecture room and is, wherever possible, made to precede the laboratory.

The final accomplishment of the training at the Institute as outlined above is not that engineers or architects or scientists will be turned out but that men will be started on the road toward becoming engineers, architects or scientists. The students are trained in the broad principles. The Institute recognizes that its graduates have but begun their work. To become worthy of the name, to be recognized by the professions as really worthy to bear the title, is the crowning achievement of years of earnest endeavor and self-sacrificing study. The four or five years spent here serve but to start the man upon his career. He is given the proper attitude towards his profession; he is made familiar with the great principles of art and science which are to become the foundation of his professional knowledge and development. He is given facility in the processes that he must use in the expression of his imagination and his thoughts, and is familiarized with the sciences and their applications by which his creations will be made realities. He is taught the logic and reasonableness of all true endeavor, and his taste, his powers of discrimination between good and bad are developed.

This is the ideal toward which the Institute aims. Its success depends much upon the attitude of the student. It is a process not only of instruction but of development; and not only of imparting knowledge but of education in its broadest sense.

COLLEGE PAPER MEN MEET

Last Friday at 11 A. M., representatives from ten New England College papers met at the Hotel Westminster. The price of issues, circulation, alumni notes, general news, dramatic criticisms, the editorial page, and methods of Board elections were all discussed and notes compared. After this discussion, the representatives adjourned to lunch, where the officers for the coming year were elected as follows: R. H. Ranger, M. J. T., president; Miss Kelly, Wellesley, vice-president; Mr. George, Amherst, secretary-treasurer.

The Tech was represented D. N. Frazier and R. H. Ranger.

CAMP OSSIAUKEE.

Mr. Gideon and Mr. Breed of the Drawing Dept. announce the second season of their summer camp for boys on Lake Winnepesaukee, N. H.

Besides the usual camp sports, several forms of manual training and drawing are taught--the boys being required to engage in some occupation for about two hours each morning. Considerable attention is given to nature study. Each department of the camp is in charge of an expert.