

FRESHMEN MAKE SERIES A TIE WITH SOPHOMORES.

WIN SECOND GAME 13-9.

Third and Deciding Game in Class
Championship Comes Off Monday.

Having decisively defeated the Sophomores on Monday at the Field, the Freshmen are now again in the running for the championship of the series.

The game at the start looked like a second victory for 1910. Cowee was was touched for five hits in the first three innings, and two runs resulted. In the third inning, however, the Fresh-

A dinner for churchmen in the Institute, and two runs resulted. men bunched hits and tallied three runs. After this 1911 was in the lead throughout the game, and were in danger only in the fifth inning when hitting by O'Hearn and Horne with an error by Coville brought the score to 6-5 in their favor.

Both pitchers were woefully weak; 16 hits were made off Hurley and 9 off Cowee. For 1911 McLoughlin accepted six chances without an error, and Odell and Johnson played steady games. O'Hearn and Horne shone for 1910.

The final game will be played off Monday afternoon at the Field

	A.B.	B.H.	P.O.	A.	E.
McLoughlin, c. f.	6	1	5	1	0
Odell, 1	5	2	10	0	0
Parker, s. s.	5	1	2	2	1
Johnson, 3	5	3	0	2	1
O'Neil, 2	5	1	3	2	1
Coville, l. f.	5	1	1	0	1
DeFlorez, l. f.	5	2	1	0	0
Cowee, p.	4	3	1	3	4
Williams, c.	3	1	3	1	0

43 15 26* 11 8

*O'Neil out, hit by batted ball.

	A.B.	B.H.	P.O.	A.	E.
Billings, r. f.	4	0	0	0	0
Dillon, s. s.	4	1	1	2	2
O'Hearn, c.	4	2	9	1	2
Horne, 3	3	3	0	2	0
C. Jonts, c. f.	3	0	3	0	1
Greene, 1	1	0	1	0	0

R. Jones, l. f.	3	1	2	0	2
Osborne, 2	3	2	2	0	1
Hurley, p.	3	0	1	0	0
Waller, 1	2	0	5	0	1
Everett, 3	1	0	0	1	0
Harrison, r. f.	0	0	0	0	0

31 9 24 6 9

Innings	1	2	3	4	5	6	7	8	9
1911	0	0	3	3	1	2	3	1	0-13
1910	1	0	1	0	3	1	0	0	3-9

Runs—Billings 2, Dillon, O'Hearn 3, Horne, Hurley, McLoughlin 2, Odell, Parker, Johnson, Coville, Cowee 3, Williams 2. Two-base hits—Johnson, McLoughlin, Dillon. Three-base hits—O'Neil, Horne. Sacrifice hits—Odell, Parker, Billings, Horne. First base on balls—off Cowee 1, off Hurley 2. Struck out—by Cowee 3, by Hurley 8. Passed ball—O'Hearn. Wild pitches—Cowee 2. Time—1 h. 45 m. Umpire—McAleer.

MANY INTERESTING THESES BY MECHANICAL SENIORS.

TURBINES INVESTIGATED.

Valuable Data Gathered and Good
Experience Gained.

Numerous subjects of wide interest are being investigated by the seniors in Course II. Among the big tests run are those on the 2000 k. w. Curtis Turbine at Quincy Power Station, a producer gas engine plant at Lawrence, a 500 k. w. Curtis Turbine at Beverly, and a turbine plant at Amoskeag Mills.

The theses follow:

H. E. Allen and G. T. Glover, "The Effect of Moisture in Air Brake Distributing Valves."

R. C. Angell, and J. M. Taubot, "An Investigation of Running Balance at High Rotative Speeds on a Hydro-extractor."

R. A. Angus and H. R. Callaway, "Comparative Coal Tests Using Forced and Natural Drafts."

C. H. Bangs and S. F. Kedy, "Economy Tests of a 2000 k. w. Curtis Turbine at Quincy Point Power Station of Old Colony Street Railway Co."

J. S. Barnes and J. H. Dennydy.

"Test on Chrome-tan Belting and Investigation of the Variation of the Sum of the Tensions."

F. K. Belcher and S. H. Doddow, "Carburation in Automobile Engines."

H. W. Blackburn and C. A. Edmonds, "Test on a Producer Gas Engine Plant."

F. M. Bond and P. R. Powell, "Determination of the Coefficient of the Trapezoidal Weir of Gippoletti."

K. C. Boush and I. M. Guilford, "Investigation of the Plow of Air through a Venturi Meter."

J. C. Brooks and A. A. Longley, "The Efficiency and Losses in a Hydro-electric Power Plant."

F. C. Brown, "A Study for Proper Formulas and Calculations for Reinforced Concrete Beams."

J. M. Burch, Jr., and W. E. Caldwell, "Investigation of the Starret Air Lift Pump."

H. L. Carter and C. N. Cochrane, "Investigation of the Friction Losses in the Rubber Hose as used with Vacuum Cleaner."

B. W. Cary and J. S. Sando, "Variation of Capacity with Different Heads and Speed of Centrifugal Pump at Metropolitan Sewerage Station, East Boston."

L. P. Cassino and C. A. Hall, "Efficiency Test of a 500 k. w. Curtis Turbine at the United Shoe Machinery Company, Beverly, Mass."

D. W. Clark and F. J. Friedman, "Investigation of the Steam Economy of a Woolen Mill."

L. A. Clark and C. H. Spiehler, "The Protection of Steam Heated Surfaces against Heat Losses."

L. Coffin and H. S. Eames, "Investigation of the Stillness of Steam Pipe Bends."

A. S. Cohen, "Friction of the Chapman Double Ball Bearings."

R. C. Collins and B. S. Leslie, "A Turbine Plant Test at the Amoskeag Mills."

H. C. Faxon and B. R. Hall, "Efficiency Test on Producer Plant."

J. T. Gallagher and H. C. Lord, "Tests on Cutting Speed of Lathe Tools."

B. L. Gimson, "Design of a Heating System for the Senate Office Building at Washington, D. C."

J. E. Hale, "Artificial Humidification and Tests on its Production in Textile Industries."

C. E. Hanson, "An Investigation of the Heating and Ventilating Plant of the Harvard University Medical School."

CROSS COUNTRY MEN GET CUP FOR ANNUAL RACE.

PRESENTED AT DINNER.

Numerals of Winning Class to be Engraved
on Trophy Each Year.

The new cross-country cup which will be competed for annually by the freshman and sophomore teams was presented to the Institute at the cross country dinner on Wednesday night by R. H. Hunter 1902 on behalf of the alumni. The cup was purchased from the proceeds of subscriptions from the former cross country men of the Institute and some of the undergraduates.

The cup is a large Tobin bronze trophy, standing 18 inches high. The bronze was taken from the hull of the "Columbia" when that famous racing craft was dismantled. On one side is a large cTe in raised letters, on the other small raised shields prove a pleasant contrast to the plain engraving. The 1911 numerals are already engraved on the first shield.

Major Frank H. Briggs 1881 accepted the cup on behalf of the Institute. He spoke of the change in athletics during the past twenty years, and called particular attention to the growing importance which was being placed on inter-mural competition in athletics at Technology.

Karl D. Fernstrom 1910 outlined some plans for next year's cross country work, and Coach Kanaly gave a plan of training to be followed by men expecting to come out for the team next fall. Captain Ridsdale Ellis 1909 acted as toastmaster.

INSTRUCTOR WINS \$300 PRIZE.

Ross Turner, instructor in Water Color in the architectural department, recently won in New York the William T. Evans prize of \$300 with his picture "The Dawn," which was adjudged to be the most meritorious water color in the current exhibition of the American Water Color Society.

Hotel Westminster

COPLEY SQUARE BOSTON



CHARLES A. GLEASON

C. NORRIS WHITING