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PRICE THREE CENTS

CIVIL ENGINEERS WIN EASY FIRST IN INTER-COURSE RUN.

HOWLAND APPROACHES RECORD.

Many Courses Combined. High Wind Makes Hard Running. MacKenzie A Good Second.

Course I won the intercourse cross country race Saturday afternoon with ease, scoring only 20 points to the 29 scored by the team made up of Courses V, VI, and X. Only ten courses were represented and before the start four teams were formed, Courses I and XI, Course II, Courses V, VI, and X, and Courses III, IV, VIII, and XII being the teams.

Howland led off at a fast clip with Stephenson, Batchelder and MacCarthy following in order. There was a high wind quartering for most of the distance. All of the men finished but Niles 1911.

Howland came close to his old record of 24m 23s made against Harvard, doing the distance Saturday in 25m 23s.

After the race the 1911 cross country men who are to run in the class race elected J. D. MacKenzie, captain.

The summary:—

1. H. H. Howland 1908, I 25m 23s
2. J. D. MacKenzie 1911, XII 26m 10 4-5s
3. J. F. MacCarthy 1909, I 26m 20 4-5s
4. J. N. Stephenson 1909, X 26m 21 3-5s
5. C. P. Eldred 1911, VI 26m 58s
6. C. L. Batchelder 1909, I 27m 9 4-5s
7. R. Ellis 1909, VIII 27m 32 3-5s
8. L. O. Mills 1910, VI 28m 14-5s
9. B. C. Huber 1910, III 28m 34s
10. H. L. Pearl 1910, I 28m 42s
11. E. S. Russell 1910, II 28m 53s
12. H. G. A. Black 1910, VI 29m 8s
13. C. E. De Witt 1911, II 29m 9s
14. C. Jones 1910, II 29m 40s
15. G. H. Magee, II 30m 15s
16. A. R. Knipp 1909, VI 32m 19s
17. J. A. Bigelow 1911, IV 32m 40s
18. H. F. Foster 1909, XI 32m 41 3-5s

Won by team of Courses I and XI, 20 points; team of Courses V, VI, and X, 29 points, second; team of Courses II, IV, VIII and XII, 35 points, third; Course III, 53 points, fourth.

SOPHS DOWN SENIORS.

Took Only Six Innings to Down Veterans—Score 10 to 5.

In a six inning game the sophomores easily defeated the seniors by the score of 10 to 5 at the Field last Saturday. The wind was very strong and proved a great obstacle to the players. The sophomore team was made up of Billings ss, O'Hearn 2, Greene 1, Dillon 3, Jones cf, Nichols c, Horn p, Adams rf, and Harrison lf. The seniors who played were Van Inwegen p, Pierce lf, Boylston rf, Williams c, Bridgman p, Myers 1, Stanley 2, Barton ss, Daley cf, and Schneider 3 (captain). D. Bowman 1908, umpired the game.

HIBBARD NAMES EMERSON 1890.

Mayor Hibbard tendered to Guy O. Emerson 1890, Saturday, the position of superintendent of streets declined by Harrison P. Eddy, consulting engineer of the Finance Commission. It is understood that Mr. Emerson will accept, and if so his name will be sent to the board of aldermen on Monday.

Mr. Emerson was a special in Course I while at the Institute, and for several years was employed by the Boston Transit Commission. Under Mayor Hart's last administration he served as deputy superintendent of sewers. Since 1901 Mr. Emerson has been in the employ of the interior department of the United States government, in charge of the irrigation and reclamation work in Wyoming. Last fall he completed there the second longest finished tunnel in the world, the Corbett tunnel, which carries water for irrigation purposes under the mountains. He is a member of the government civil service board for the State of Wyoming.

PRETTY GIRLS IN CAST AND CHORUSES OF SHOW.

BELDEN EXCELS AS USUAL.

Large Number of Applications For Seats Received.

"Fine feathers make fine birds" and the cast and chorus of the chorus are fine birds when they get on their costumes. The universal verdict of all who have seen the pictures is that this year's chorus is the prettiest that the Show has ever had. Belden, as "Helen Sealyle" is better than ever, and will make a hit in his songs. Jacobs and Herold, too, are "queens" and are good singers.

There are a number of good choruses this year, the policemen, surveyors, nursemaids, dancers, besides the reg-



C. J. BELDEN 1909.
As "Helen Sealyle" in Tech Show.

ular bevy of college girls and men. There are many dances, both by principals and chorus. Malcolm,atching, and Kennison have a dance in connection with their trio which is a winner, and Hield is even better than he was last year. Schofield, who was in "The Freshman," has a part which seems to fit him, while the minor parts are well cast, and the dialects are good.

About 1800 seats for the Boston performances have been applied for, and about sixty for Northampton. Most of those who applied for Northampton seats, however, prefer to go up earlier than the cast and come down later, although the reason for this is not known.

Y. M. C. A. BALLOTS OUT.

Ballots for the officers to serve the Technology Y. M. C. A. next year are out today. The nominating committee presents the following names: For president, T. H. Atherton, Jr.; for vice-president, M. M. Davis 1909 and B. S. Bouebrake 1909; for secretary, R. E. Doane 1909 and A. E. Thornley 1909; for treasurer, Russell Mack 1910 and G. N. Brooks 1909. Anyone who has paid his dues and does not receive a ballot today should get it from Mr. Brock in Engineering B any afternoon. Persons who wish to become members may be enrolled by paying the annual dues of \$1.50 to J. N. Stephenson 1909 or to Mr. Brock. The ballots will be due at the weekly meeting in Trinity Church Library Thursday at 1.30 P. M.

GYM TEAM PERFORMS EXCEPTIONALLY WELL.

BOXING A FEATURE.

Courtney Swings Lighted Indian Clubs in the Dark.

Good performances were the rule at the exhibition of the Gym team Friday night. The gymnastic work was surprisingly good but the running of the meet itself was very poor. The events went off slowly and did not seem to have been at all carefully arranged beforehand.

The stunts on the parallel bars and the horizontal were the best exhibitions of gymnastic skill. In these events Schobinger, Darrow, Howell and Gott did the best work. Smith did some very excellent work over the parallels. Carey was the star on the side horse.

The swinging in the dark of lighted Indian clubs was a very popular feature of the program. It was done very cleverly by B. F. Courtney 1910.

The biggest success from a humorous point of view was a blindfold boxing match between G. Schobinger 1908 and F. A. Burton 1910. There were also three-round bouts between Snyder and Gott, Billings and Broyer, and Rockwell and Hurley. There was a fencing match between R. Gallegos and Altamirano. Wrestling was done by Gilkison and Jenkins, and Coleman and Jenkins.

The make-up of the team was H. R. Howell 1910, (captain); H. S. Smith 1911, G. Schobinger 1908, B. Darrow 1910, H. S. Gott 1910, B. F. Courtney 1910, N. L. Coleman 1909, M. Collin 1911, C. W. Wilson 1910, R. L. Carey 1909, E. Kloberg 1908, H. Sargent 1911.

The officials were: Boxing referee, W. M. Van Valkenburgh 1908; wrestling referee, W. Towne; timer, H. H. Bennett 1909.

STEPHENSON CAPTAIN.

Last Friday's meeting of the Hare and Hounds Club resulted in the election of J. N. Stephenson 1909 chase-captain, and C. P. Eldred 1911 as assistant chase-captain.

These offices correspond to those of secretary and treasurer. Eleven men attended the meeting. Captain Ellis expressed the desire to hear from the men who contemplate running in the freshman-sophomore cross-country race on April 25, in which numerals will be awarded.

COURSE II HAS STARTED.

Thesis Work Going Well. One Big Test Reported.

Several noteworthy tests of power stations will be carried out this year by the seniors in the mechanical engineering department as subjects for thesis work. The only one so far reported is that being carried on by Carl H. Bangs and S. F. Kedy which has for a title "Economy Tests of a 2000 Kilowatt Curtis Turbine at the Quincy Power Station of the Old Colony Street Railway."

In this course F. K. Belcher and Samuel H. Daddow are studying the carburation in automobile engines. Both men have long been interested in automobile work, each has run and owned machines, taking the matter up from the practical as well as the theoretical side.

Philip C. Brown has taken up a mathematical study of concrete beams, making a study for the proper formulas and calculations for reinforced concrete. The only other investigation so far reported is that being carried on by H. L. Carter and C. N. Cochrane on the friction losses in the rubber hose as used in vacuum cleaners. The Institute has a very complete outfit for this investigation.

SPINDLE AND LOOM OF CIVILIZATION.

IS MECHANICAL ENGINEERING.

J. P. Tolman 1868 Tells Engineers To Be Dictionary of Facts.

J. P. Tolman 1868 gave a talk on "Insurance" at the annual dinner of the Mechanical Engineering Society at the Copley Square Hotel Friday evening.

The other speakers were Professors Lanza, Schwamb, Haven, and Peabody. In introducing Prof. Lanza, S. M. Daddow 1908, toastmaster, said that when Prof. Lanza wrote his notes on whirling axes only he and the Lord knew what it was all about; and that when he tackled the theory of elasticity the Lord had to drop out.

Concerning mechanical engineering, Mr. Tolman said:—"Mechanical engineering has to do with the fashioning of material things for man's use. It is the spindle and power loom of civilization and is based on observation and discussion. Make yourself a dictionary of facts. Do not spend too much time in sighing for more outside activities. Remember you are having the benefit of a lot of experience, gathered together to meet the case of the general student rather than the individual."

Prof. Lanza explained how the faculty committee on appointments tried to supply capable students with positions after graduations, and also stated that times of depression would not affect a good student greatly in getting a position.

Prof. Schwamb spoke on the importance of taking a long look ahead in engineering design, and Prof. Peabody advised having an avocation as well as a vocation, urging the policy of "work while you work, play while you play."

WILD WEST AT TECHNOLOGY CLUB.

Mr. Seth K. Humphrey will give a smoke talk on "Western Experiences" on the tenth evening of the season at the Technology Club Tuesday. He will present an account of the opening of the Cherokee strip, Kansas cyclones, and a real "Wild West" show in Indian Territory, with many slides.

PROF. SWAIN SAYS REBUILD.

Professor George F. Swain, head of the civil engineering department, has been called in by the Essex county commissioners as expert on the old "chain bridge" that connects Newburyport and Amesbury, and has given advice in the commissioner's report which advocates very great repair or a new structure.

ADDITIONS MADE TO COLLECTIONS.

Mineralogical and Petrographical Specimens Received.

During the past year, the mineralogical and petrographical collections in the geological department have received many specimens, collected in part by members of the instructing staff and in part gifts from graduates and friends of the Institute.

A fine suite of specimens, illustrating the minerals and ores of Cobalt and Butte, is perhaps the most important of these additions. Over two tons of specimens have been received.

Such gifts are encouraging to the department, for they indicate a real interest on the part of graduates and friends, and not only make unnecessary the purchase of materials from dealers at an exorbitant figure, but furnish specimens better adapted for use in the practical instruction of mining students.

It is hoped by the department that in the future the graduates and friends of the Institute will contribute even more generously than in the past.

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