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SOPHOMORE RELAY WORK PROGRESSING.

ALL BUT TWO MEMBERS OUT.

Stewart Has Been Elected Captain, While Reynolds is Again Manager.

Considerable progress has been made by the Sophomore Relay Team. All but two members of last year's team have already reported for practice and many new men are showing up. The two who are not running this year are Popé, who has left the Institute, and Mills, who is prevented from doing any track work on account of his heart.

At a meeting of the team, Frank D. Stewart was reelected captain for the year. Stewart prepared for Tech at St. John's School, at Manlius, N. Y., where he ran on the track team for two years, working especially on the sprints and low hurdles and on Field Day last year he ran a fine race for 1910. He has already assumed direction of the team,



BERGEN REYNOLDS.

Bergen Reynolds was some time ago elected manager to serve again in the office he filled so satisfactorily last year. At present he is considering the advisability of engaging for coach of the team Hugh McGrath, who trained the team last season. McGrath was tentatively engaged last year before the plan of having the Tech coach train the team was evolved.

Fernstrom, the former captain of the team has been working at the Field since the early part of the season, and from all indications should be able to cover a two-twenty even better than last year. Captain Stewart is not yet in condition, but should be so soon. At times he shows very good speed, and is the kind that can be depended on.

Kalbach, Gould, and Waldo made fast time in the race last year and should easily be able to duplicate the performance. Potter and Brown have good strength to last them for the furlong distance. Lockett and Drew are fast men, but find the distance a little long.

Both John Avery and F. B. Avery have plenty of strength and cover the two-twenty without trouble. Wilson has been running very well this season.

Among the new candidates for the team, Hall seems to be the most promising of all. His work up to the present time has been especially good. Magee, although handicapped by inexperience and lack of strength, has been working hard and is developing well. Stuart is showing good speed and Elmer Jacobs is doing well in the daily practice.

Last Wednesday the candidates were divided into two teams which ran a race made up of relays about 150 yards in length. Those taking part in this race were Stewart, Kalbach, Potter, Gould, Waldo, Cummings, J. Avery, R. C. Jacobs, E. Jacobs, Magee, Lockett, Adler, and Hall.

COUNCIL AGAINST OPEN BALLOT.

ATHLETIC ASSOCIATION CHANGED.

Nominations Must Be Signed by Ten Men.

At the meeting of the Athletic Association last Friday the proposed plan of reducing the size of the Association was unanimously adopted. There was no opposition shown.

The Advisory Council at its meeting in the evening failed to approve the plan of open ballot election and decided on the regular method of election. This calls for nominations signed by ten men. Each class will hold its own elections.

The Senior Class will hold its nominations open until Wednesday at four o'clock in order to include the A. A. in its general elections. The announcement of the nominations from the other classes will be made in the next issue of THE TECH.

Five men are to be elected from each class to serve for a term of one year. These men are supposed to be especially fitted for the association by reason of their connection with or interest in athletics. The Advisory Council decided that much better men would be chosen by the method of regular nomination.

1908 NOMINATIONS IN.

Large Number of Men Up.

The Senior Class announces the following nominations for class officers:

For President: L. B. Hedge, G. T. Glover, H. A. Rapely, E. T. Williams. For Vice-President: J. S. Barnes, E. T. Williams, J. T. Tobin, C. Boylston. For Secretary: J. T. Tobin, R. B. Weiler. For Treasurer: B. L. Gimson, D. Bowman. For Institute Com.: M. E. Allen, J. S. Barnes, W. R. Heilman, T. W. Orr. For Executive Com.: W. A. Barton, J. R. Dennedy, S. Daddow, R. Munoz.

The nominating committee has extended the period in which nominations may be returned in, to 4.00 P. M. on Wednesday. Nominations for the Athletic Association must be signed by ten men and should be left at the cage, or handed to one of the following men: M. E. Allen, G. T. Glover, W. R. Heilman or H. R. Callaway.

SPIRITED DEBATE IN CIVIC CLUB.

Unusually Interesting Discussion at First Meeting.

Great interest marked the first meeting of the Civic Club in 16 Rogers Friday. The debate was on the question of compulsory arbitration between labor and capital in case of a dispute. The decision being in favor of the appointment of such a commission.

The next meeting will be held Nov. 1. The subject for debate, "Resolved that the United States Should Permanently Retain the Philippine Islands," promises to be interesting in view of Secretary Taft's presence at the recent opening of the first Philippine Parliament.

CALIFORNIA MEN MEET

Arrange For Dinner in Near Future.

The following men of the California Club met in 42 Rogers Friday noon to revise that society:

L. C. Hampton, '08, chairman; M. K. Weill, '09; H. L. Sherman, '09; M. Belcher, '11; H. O. Jenkins, '09; D. H. Maxwell, '08; W. C. Taylor, '08; and W. D. Reed, '08.

Hampton, '08, was authorized to make arrangements for a dinner at which time the club is to be formally organized. He was authorized to collect the sum of "four bits" from each member of the club, to defray the expenses of the dinner.

DEMAND FOR MINERS TOO GREAT.

NO MEN BACK FOR GRADUATE WORK.

Summer School in Mining Had a Long Trip.

The demand for graduates of the Department is such that none of the class of '07 have returned for graduate work, all of last year's assistants have left, and a large number of applications for men to go into practical work and teaching remain unfilled.

Frederick A. Grant, from Dalhousie University, Halifax, N. S., and A. T. Heywood, '06, who has been working for a year in the Registrar's office, have been appointed assistants. Mr. Heywood has been in New York for a short time, studying metallography. R. C. Reed has been advanced from assistant to instructor.

Two graduates of the Polytechnic Schools of Aix-la-Chapelle and Berlin, Germany, are coming to the Institute this winter to do advance work in metallurgy.

Two new pulsators have been acquired. One is for classifying ores according to their settling powers in water, the other for concentrating ores. Prof. Hofman has installed a new gas furnace, constructed by Prof. Friedrich of the Freiberg School of Mines.

The summer school, in charge of Prof. Hofman, was held this year in Maryland, Pennsylvania, and New Jersey. Among the places visited were the steel works of the Maryland Steel Company, the steel works of the Pennsylvania Steel Company, and the concentrating works of the latter company at Lebanon, Pa., the steel plant at Bethlehem, Pa., a cement plant in the Lenigh Valley, an anthracite mine and breaker, and a zinc plant of the New Jersey Zinc Company.

In New Jersey the Atha Steel Casting works and the Balbach Silver Lead Plant were visited; in New York, the Raritan Copper Works, and the Nichols Copper Company.

Owing to the demand for men to go into practical work during the summer vacation, and owing to the great expense of the course, only seven men took the trip. Since the close of the school, June 25, Prof. Hofman has been working on his new book on "Metallurgy."

Prof. Richards spent six weeks in the White Mountains during the earlier part of the summer preparing an additional volume to his work on "Ore Dressing." During the latter part of the summer he travelled through Montana, Colorado, Utah, and Missouri, gathering information to be used in this book.

WELLESLEY PROVES POPULAR.

Many Enjoy the Beauties of the Course.

That Wellesley is still popular was amply proved by the large and happy crowd that turned out for the Hare and Hounds chase there on Saturday.

Howland '08 and Ferris '08 laid a fine eight-mile course. Batchelder '09 and Ames '08 found the bags.

The first six men in were Clapp '08, MacCreadie '11, Batchelder '09, Miles '11, Ames '08, and Gimson '08. C. R. Haynes '04, who won his "T" in the hurdles at Worcester, having seen the notice of the run in THE TECH, came out to run with the men.

The squad had a special car on the return trip. They entertained the passengers with Tech songs and cheers.

All candidates for the Cross Country team are wanted Monday at the Field for a short run. The trials for the team to run against Harvard will take place over the regular course Wednesday. For these trials the squad will leave Back Bay Station at 3.22 for Highland, rain or shine.

1909 AND 1911 PLAY TIE GAME.

GOOD WORK BY BOTH TEAMS.

Many Open Plays Used.

In a game of football replete with open plays 1909 tied 1911 at the Field Saturday afternoon, with a score of 5-5. It was a hard played and interesting game even if very raw football was shown in many of the formations.

Both sides made full use of the forward pass and inside kick, sometimes quite successfully.

1909 made quite general use of the tandem play that they developed last year. Considering the lack of practice the kicking in the game was admirable.

The Freshmen, crippled by the loss of five of their best men, showed the makings of a very strong team. The Juniors, in spite of their lack of practice, played very accurate football.

Pree, Williams, de Floriez, VanTassel and O'Neill played the best games for 1911, and Coupal's management of the team showed marked improvement. Sharp, Heard and Eaton excelled for 1909.

Pree opened the game by kicking off to 1909. Critchett received the ball on the 30-yard line and advanced it five yards. By a succession of line plunges the Juniors made gains of ten yards at a time, bringing the ball to their opponent's 30-yard line. 1911 held on the fifteen-yard line and secured the ball. They then tried a forward pass, which was fumbled. The ball was secured by Heard, who carried it over for a touchdown. He failed to kick a goal. Score—5-0.

The rest of the half was taken up by a punting contest, and time was called with the ball in the Junior's possession on the fifteen-yard line.

Eaton opened the second half by kicking off to O'Neill, who ran the ball back twelve yards. There then followed a double exchange of punts by Pree and Heard, resulting in no gain by either side.

The ball was then exchanged three times on some open plays. Pree then punted, and the ball was then recovered by Coupal for 1911 on their own five-yard line.

By an end play Williams carried the ball over for a touchdown. The attempt to punt out failed. Score 5-5.

Three minutes of the half remained and was taken up by punting. Time was called with the ball in the possession of 1911 on their own 25-yard line. Final score 5-5.

The line-up:

1909	1911
Daws, l.e.	r.e., Williams
Bennett, l.t.	r.t., O'Neill
Pope, l.g.	r.g., VanTassel (capt.)
Dows, c.	c., Doble
Critchett, r.g.	l.g., Hutchins
Cook, r.t.	l.t., Proctor
Campbell, r.e.	l.e., Smith (deFloriez)
Sharp, q.b.	q.p., Coupal
Heard (capt.) l.h.b.	r.h.b., Dresser
Moses, r.h.b.	l.h.b., Spaulding
Eaton, f.b.	f.b., Pree
Score -- 5-5.	Touchdowns, Heard,
Williams.	Referee, W. D. Everett.
Time, 2.15 minute halves.	Timekeeper,
Billings.	

SAUL IS PRESIDENT.

Returns of 1910 Elections.

In the elections of the 1910 class officers the results were: President, Tom W. Saul; Vice-President, Harold Lockett; Secretary, Curtis C. Webb, and Treasurer, William H. Duffield. The 1910 members of the Institute Committee will be B. Reynolds and Phillip D. Terry, while the two members of the board of directors will be Carl C. Dudley and Ralph Torrey.