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ELECTION OF FENCING MANAGER CAUSES LONG DISCUSSION.

MOSES 1909 FINALLY GETS POSITION.

Athletic Association has a Spirited Meeting as Result.

At the meeting of the Athletic Association Monday afternoon there was a lively discussion over the election of a fencing manager. A. L. Moses 1909, was finally elected to the position. L. Soule 1909, was elected assistant manager of the Cross Country Team.

The following members of the association were present:—Glover, Gimson, Lange, Moses, Whitaker, Avery, Fernstrom, Fitzherbert, Salisbury, Seligman, Van Tassel, Orr, McMurtrie, Wentworth, Whitmore, Loring, Fanning, Coffin, Turner, Kelley, Callaway, Ferris, Scharff, and Place.

President Glover brought up the question of having fines for absence and tardiness at meetings, making fifty cents for absence and half that amount for tardiness. On a motion of T. W. Orr this plan was adopted.

A letter from Schaffer 1909 in reference to his work in the competition for fencing manager last year was read. He said that he had understood all along that he was assistant manager of the team and that he was therefore entitled to the position of manager this year. He did not see how any competition for the position this year was in order.

Captain Loring of the Fencing Team said that Schaffer had told him that morning that he was no longer a candidate for the position and that he did not care to have his name proposed. In view of this fact Mr. Loring did not see how any discussion was in order. President Glover then said that he had just received notification that Schaffer was still a candidate.

The president then called upon Captain Loring for a statement of what Schaffer had done in the competition last year. Loring replied that everything had been expressed in the communication to THE TECH and that if there was a copy of that paper available it would explain everything.

The president said it would do just as well to have him tell about the work done by the candidate in question. No sooner had Mr. Loring started to speak than Mr. Place came in and Mr. Loring said that he would leave the speaking on that subject to him. The president, however, said that it would be just as well to have both the captain and manager. Loring said that Schaffer was unsatisfactory to the members of the team.

Manager Place spoke next and said that last year there had been only one candidate in the competition for assistant manager. This one man was Schaffer. He said that his work had been poor and that he had not done much of it. He had proven in many ways that he was not the man for the job, and it was held further that the team did not consider him a fit man to represent the Institute.

McMurtrie then said that the editorial that had appeared in THE TECH on the subject of a fencing manager had been so severely criticized that he felt there should be some explanation of the facts that had promoted it. As he understood it the story of the competition last year was as follows:—

Early in the season Schaffer had announced his intention of trying for the job of assistant manager and that two weeks later the captain of the team asked him if he still wanted to try for the position. He said that he did and he was told that the matter had been talked over by the captain and manager of the team and they had decided that he would do very well for the job and that he was therefore appointed assistant manager at least for the time being. He asked whether, if he filled the position for the year, it meant that he would be manager the following year and he was told that without a doubt he would get the election. During the year he worked hard and did a great

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RESEARCH WORK IS SERVICE TO MANKIND.

PROF. JAGGAR ADVANCES THIS REWARD FOR CAREFUL PLODDING EXPERIMENTATION.

Tech Grads Have Made Great Name in Geological Circles.

(By Prof. T. A. Jaggar, Jr.)

The Geological Department at the Institute of Technology fulfills three purposes: 1) the training in their third and fourth years of a group of men in the mining course who wish to be mining geologists as well as mining engineers; 2 the presentation of Geology to a large group of men in other courses, especially Civil Engineering, who need the subject as an accessory to their work as engineers; 3) the training of a very limited group of men as specialists in geology under what is known as course 12. It will be seen by this that the principal work of the Geological Department is that of an adjunct to the departments of Mining and of Civil Engineering. This is as it should be in a technical school, for geology by itself is not an engineering profession. It is true that a few men work their way each year into the



PROF. T. A. JAGGAR, JR.

federal and state geological surveys as geologists. These surveys are, however, largely economic in aims. It is better for the men and better for the government organizations in question if the previous training of candidates has been that of mining geologists, except in rare instances where a specialist in such subject as paleontology or petrography is required.

With these aims the Department of Geology at the Institute has during the last few years strengthened the courses in Geological Surveying, Petrography, and Economic Geology and especial stress has been laid upon practical work in the field. For three years the students of the geological option in Mining Engineering actually go into the field and see and map rocks of many different kinds. They bring the specimens to the laboratories where microscopical preparations are made, and they learn the names of the rocks and the laboratory methods of study. Practically the same methods are applied to the study of ores, and to such extent as is possible in New England, localities of economic interest are visited. All of the men are encouraged to go West in the summer and work in mines in any capacity within their scope.

The recent graduates in whom the Geological Department is most interested are those who took degrees in option 3 in Mining. These men have generally had graduation theses in geology. The demand for them as for all the graduates of our Mining Department known for his writings, as a teacher, as

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TEAM SENT OFF AS NEVER BEFORE.

200 MEN CHEER CROSS COUNTRY MEN AT STATION.

Eight Men Go Down to Princeton to Get Laurels for Tech.

With a rousing sendoff by over 200 undergraduates such as has not been surpassed in the history of sport at the Institute, the Cross Country Team left the Back Bay Station, Monday afternoon on its journey to the intercollegiate course at Princeton.

Led by Glover 1908, president of the Athletic Association, the crowd cheered from 5:30 o'clock until the train passed out of the station at 6:15. The team, each individual member, and Capt. Howland and Coach Kanaly were cheered again and again. "Dear Old M. I. T." "The Cardinal and the Gray" were sung and resung, and all joined in the singing of the "Stein Song" with bared heads.

As the team boarded the train, each man was greeted with an outburst, and as the train pulled from the station the crowd broke into one long, loud hurrah, and threw hats high in the air.

The eight men taken were H. H. Howland 1908, Captain; H. R. Callaway 1908, B. L. Gimson 1908, C. L. Batchelder 1908, R. Ellis 1909, J. N. Stephenson 1909, J. F. McCarthy 1909, and W. T. MacCreddie 1911. Manager R. W. Ferris 1908, and Coach Frank Kanaly accompanied the team.

Just before the train pulled out, Coach Kanaly said, "The fellows have been running so well together that either we're rotten or we're pretty good. We hope to do as well as last year."

OUT-OF-TOWN MEN WILL BE ENTERTAINED TOMORROW.

Prof. Morse Will Speak to Them at Technology Club.

Students of the Institute who cannot be at their own homes or those of friends on Thanksgiving evening, are cordially invited by the President to meet at the Technology Club, 63 Newbury St., at 7:45 P. M. Professor Edward S. Morse, an eminent scientist and an interesting speaker, will give an illustrated "Talk upon the Japanese." Light refreshments will be served after the talk.

Students wishing to attend are requested to apply at once at the Information Office for tickets of admission to the Technology Club.

INSTRUCTOR'S ELECT OFFICERS.

Dr. Blanchard is President of the Club.

At the last meeting of the Instructor's Club, the officers elected for the ensuing year were: president, Arthur A. Blanchard, Ph. D. of the Chemical Department; vice-president, Daniel F. Comstock, S. B. of the Physics Department; secretary and treasurer, Chauncey C. Batchelor, A. B., of the English Department; executive committee, Walter H. James S. B. of the Mechanical Engineering Department, and Ernest A. Mueller, A. M. of the Department of Mathematics.

THREE PRIZES FOR HANDICAP RACE.

Insignia Will Also be Awarded in Cross Country Run.

The annual handicap cross country race will be held over the eight mile course in West Roxbury on Saturday. Liberal handicaps are given, so that every man has an equal show. With the intercollegiate run coming Wednesday, the Cross Country Team will be out of Saturday's race. Every man who has been out on the hare and hound runs in condition for this race.

Three silver cups will be given as prizes, for first and second places, and for best time. The four men making the best times will be awarded the "C.T." The entry fee is 50 cents, including fares. Entries may be left at the Cage.

EIGHT ALUMNI ARE UP FOR CORPORATION.

THREE TO BE SELECTED FOR FIVE YEARS.

Alumni Association Also Announces Nominations of Class Officers.

In accordance with the by-laws of the Corporation of the Institute, the nominating committee of the Alumni Association has sent out ballots containing the names of eight nominees for term members of the Corporation. The names submitted are: James W. Rollins, Jr., 1878, Arthur Winslow 1881, Arthur D. Little 1885, Everett Morss 1885, Arthur T. Bradlee 1888, Gary N. Calkins 1890, Frederic H. Fay 1893, and J. Arnold Rockwell 1896.

Five of the eight are to be voted for, and the names of the five receiving the highest number of votes will be submitted to the Corporation at its March meeting. The Corporation will vote for three out of the five, and the three persons receiving the largest number of votes will be members of the Corporation for five years.

James W. Rollins, Jr. 1878, Course I, is now president of the Holbrook, Cabot and Rollins Corporation of Boston. Since his graduation he has been assistant engineer of the Mass. Central R.R., Union Pacific R.R., Old Colony R.R., N. Y., N. H. and H., and chief engineer of the Atlantic and Danville R.R. Adirondack R.R., and the Plymouth and Middleboro R.R. He is a member of the American Society of Civil Engineers and of the Boston Society of Civil Engineers.

Arthur Winslow 1881, Course III, is president of the United States and British Columbia, and the Liberty Bell Gold Mining Companies. He is the author of "Winslow's Stadia Tables"; is a member of the American Institute of Mining Engineers; was president of the Colorado Mine Operator's Association in 1902, and is a fellow of the Geological Society of America.

Arthur D. Little was a special student in Court V, and has been prominent as an expert chemist since his graduation. His present laboratory organization is one of the most complete in the country. He is joint author with R. B. Griffin of "Chemistry of Paper Making." He is a member of the American Chemical Society, Verein der Zellstoff und Papier Chemiker, and a fellow of the American Association for the Advancement of Science.

Everett Morss 1885, Course III, is now president of The Simplex Electrical Company of Boston. Mr. Morss was a member of the Walker Memorial Gymnasium Committee, chairman of the Income Fund Committee, and president of the Alumni Association in 1906 and 1907.

Arthur T. Bradlee 1888, Course II, became a partner in Harding, Whitman and Company in 1903. This company handles the entire output of twenty southern cotton mills and is sole agent for several large eastern worsted mills. Mr. Bradlee was vice-president of the Alumni Association in 1895; was one of the founders of the Technology Club and has been a member of the Council of the club since its foundation.

Gary N. Calkins, who is now delivering a series of eight lectures on protozoology before the Lowell Institute, was a graduate of Course IX in 1890. He is professor of protozoology at Columbia University, and is the author of "The Protozoa."

Frederic H. Fay 1893, Course I, is now assistant engineer in the Engineering Department of the City of Boston. He is a member of the American Society of Civil Engineers and of the Boston Society of Civil Engineers. He is a member of the Institute Income Fund Committee, and was vice-president of the Alumni Association in 1902.

J. Arnold Rockwell 1896, Course VII, is a practicing physician in Cambridge, Mass. He has been surgeon in several prominent hospitals, and is now on the visiting staff of physicians at the Massachusetts Homeopathic Hospital. He was one of the original members of the M. I. T. Advisory Council on Athletics, and

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