COLUMBUS DAY RACES

Yesterday afternoon the following entries were announced. The T. C. A. took the first practice row: Todt, W. Whitmore, MacRea, 2; MacRea, 3; Lee, stroke, and Candy, coxswain. At present the object of the club is to enter as many men as possible in the Columbus Day races, which will be held next Monday afternoon. So far several men have reported at the Boat House and taken the first practice row: Todt, 1; MacRea, 2; MacRea, 3; Lee, stroke, and Candy, coxswain. At present the object of the club is to enter as many men as possible in the Columbus Day races, which will be held next Monday afternoon. So far several men have reported at the Boat House and

FRISHMAN TUG-OF-WAR

Place of Practice Announced—Cage.

Manager Wood wishes to announce that practice for the Freshman tug-of-war team will be held at 5 o'clock every day. Today it will be held at the Oval. Thursday the practice will be back at the Boat House. The club has taken the Gym and Friday at the Oval against the Engineers. The club is on the lookout for regular and hard workers and will pay attention to those who meet the requirements.

Number one for the Athletics.

MEMORIAL PRESENTED TO THE INSTITUTE

Given in Memory of Dr. Jacob Biglow, M.I., a Founder of Technology.

The latest gift to the Institute of Technology is a bust of Dr. Jacob Biglow, M.I., presented by his grandson, Dr. William S. Biglow, of this city.

The chief interest of this to Tech students is that this bust was one of the Bostonians who gave encouragement and financial aid to Professor Rogers in the establishment of this Institute. Born in 1819, Dr. Biglow early became noted as a physician, a teacher of medicine and a student of natural science. In 1860 he delivered the inaugural address at Harvard University. As early as 1850 he began to call public attention to the relations of the arts to the giving of a course of lectures on the subject. Twenty-five years later when Professor Rogers came to Boston filled with the idea of a technical school he found in Dr. Biglow a ready sympathizer and enthusiastic supporter. Dr. Biglow became one of the first four vice-presidents of the Technology Corporation elected in the first meeting held May 6, 1868. This position he held until two years before his death which took place in 1880. Dr. Biglow was the author of a number of scientific works, but the chief interest of Technology students in him is the fact that the founding of Technology was a large measure due to him.

The bust, which is of marble, is to be placed in the library, together with those of Rogers, Mr. C. P. Perkins and Dr. Walker.

CALENDAR

Wednesday, October 8, 1913.

4.00—Tug-of-War—Oval.

4.00—Time limit on application for boat races.

4.30—Musical Clubs’ Meeting—Union.

8.00—Electrical Engineering Society—Union.

Thursday, October 9, 1913.

10.00—Student Advertising—Union.

11.00—Senior Nomination—Union.

12.30—T. C. A. Talk—Union.

12.30—Tug-of-War—Gym.

12.30—Musical Clubs’ Meeting—Union.

4.30—Freshman Tug-of-War—Gym.

4.00—COSMOPOLITAN CLUB RECEPTION FRIDAY Many Interesting Entertainments Provided—Foreign Men Invited To Come.

There will be a reception of all foreign students by the Cosmopolitan Club Friday night at 7.45 in the Union. The reception will be conducted as an informal supper in order that it can be a real get-together meeting and everyone may feel at home. The purpose and aim of the club will be explained and the activities in which it enters will be fully discussed. Songs and an entertainment will also assist greatly in making a very pleasant evening.

The officers of the club have assembled several of the Technology professors to talk on subjects which shall be of interest to the men from the various countries represented. Inside the club there is much talent, and men from all parts of the world will entertain in a manner characteristic of their own nation. The Chinese members have amused and perplexed the crowd with their skillful oriental handicraft performances on many occasions.

The Cosmopolitan Club is one of the foremost activities at Technology, and as an activity which every foreign student wishes to do well to join, it has one call on men from nearly every country of the world. The advantages of such contact are invaluable. The club extends a cordial invitation for the reception Friday night to all the foreign students at the Institute.

MUSICAL CLUBS MEETING

Talk On This Year’s Work Today at 4.30 In Union.

The talk which is given to the M. I. T. Combined Musical Clubs for the benefit of the old members, and enlightenment of the new men who expect to join, will be held at 4.20 this afternoon in the Union. The preliminary program for the coming year will be outlined, the rather extensive trips, which the Musical Clubs expect to make this year being discussed.

The mandolin and banjo trials will be held Thursday afternoon at 4.15 in the Union. Anyone who knows how to produce a noise on an instrument affixed to the banjo or mandolin is welcome. It is also hoped that a large number of candidates will be on hand for the Glee Club trials to be held in the Union on Friday at the same hour. President Taylor and General Manager Satisfactory desire to have the Clubs as large as possible; as it is believed that better results are then possible.

SENIOR NOMINATIONS

Nominations for the Senior Class Officers are due October 11 at 1.00 P. M. The offices to be filled are those of President, Vice-President, Secretary, Treasurer, Executive Committee (two), Institute Committee (two), Athletic Association (two). The papers must be signed by at least two members of the class who have paid their dues. The Election Committee desires to have at least two nominees for each office.

Nine Sophomores are reported as the total number of candidates for tug-of-war teams.
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ENGINEERING AND
SCIENTIFIC NOTES

Cassier's Engineering Monthly for September contains a very interesting account of a gigantic power plant under construction at Keokuk, Iowa. This plant is located at the foot of the Des Moines Rapids, where the energy of a very large body of water falling a moderate distance of from 30 to 40 feet is to be converted into 200,000 horse-power of electrical energy. In order to make possible the utilization of the entire flow of the Mississippi, a dam over 4,500 feet long has been constructed perpendicular to the line of flow, and adjacent to this is perhaps the largest power house in the world, measuring 1,800 by 322 feet. The power is developed from the falling water in turbines of the well-known Francis type which have a capacity of 10,000 H.P. each. These machines are driven at a moderate speed and are built on the “reaction” pattern which has proven more efficient in the existing conditions than the “impulse” turbines which operate so well with a small body of water having a large head. Coupled directly with the turbines are the great generator machines some 31 feet in height. The distribution of this energy once it is generated presents in itself a difficult engineering problem. The nearest large city is St. Louis, 144 miles away, and the energy is to be transmitted thence at a potential of 110,000 volts along wires supported by steel structural towers. Here is a step towards conservation and a powerful attempt to harness the forces of nature. To quote, “The mighty Mississippi River is to be harnessed to the machinery and devices of civilization just as truly as ever a work horse was harnessed to pull a plow or wagon.”

The article is illustrated by several excellent photographs and drawings.

ANTIMONY A BY-PRODUCT

While no antimony was produced in the United States last year from domestic ore, a considerable quantity was saved in the form of antimonial lead and scrap lead with which are produced in quantities of antimonial alloys are recovered from secondary sources, such as scrap bearing and type metal, solder, and antimonial lead dressers, from antimonial lead of high domestic and foreign origin but smelted in the United States, according to figures compiled by the U.S. Geological Survey, 1,949 short tons of antimony were produced, while from old alloys, scrap, dust, etc., 2,598 short tons of antimony were recovered.

Frank Kausly is expecting the first Freshman relay team of recent years.

A few interesting brushes are beginning to appear on the track.

STUDENTS

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FOUND ARTICLES

Articles enumerated below have been found. Owners of same may obtain them at the office of the Student Bldgs. and Power, 26 Trinity Place.

3. Two grey rain coats.
4. Dress suit case.
5. Leather bag.
6. Roll of paper.
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8. Umbrella.
10. Rain coat.
12. Class pin.

Signed A. S. Smith,

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FOUND—A paper referring to the Virginia Military Institute was picked up on the street and is now at the Bursar's office, where owner can obtain same.

FOUND—A gold signet ring October 2d, corner of Dartmouth and Boylston streets. Owner may have same by proving ownership. Apply at THE TECH office.


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BACK BAY BRANCH

MAIN OFFICE, 33 State Street

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The reception given yesterday evening by the Walker Club and Technology Clubs to over thirty other clubs at the Institute was attended by at least a hundred guests, besides about fifty of the club members. At 8:30 E. L. Snow, president of the Walker Club, opened the evening with a short address of welcome and explained the nature and purpose of the Walker Club. He then introduced Professor C. W. Doten, vice-president of the Technology Club, who gave a short talk, setting forth the advantages of the club and extended a cordial invitation to the new men to join.

Dean Barton was then called upon for a short address, which was received with the usual enthusiasm, after which Professor Arlo Bates then spoke at slightly greater length and with his usual humor. The men then adjourned to the dining room to partake of some light refreshments and to get acquainted.

WRESTLING SQUAD

Freshmen Should Come Out For Practice At Once.

The Institute Wrestling Team is again looking forward to another season as successful as last year. A large number of last year's team is back and several of the substitutes also. The men are already practicing every afternoon at the Gym from 4 to 6. The Freshmen this year will not be allowed to substitute wrestling for gym work unless they make good or show interest. Smythe-Martin, the wrestling team manager, advises all Freshmen who intend to substitute wrestling for gym work to come out at the present time so that their chances of remaining on the squad at the present time so that their chances of remaining on the squad will be better.

The Varsity schedule has not been arranged as yet, owing to the fact that the other teams and clubs have not started to make up theirs.

FACULTY NOTICES

All commissioned officers and volunteers for commissioned offices in the Cadet corps will meet Wednesday at 3 P. M. in South Armory for instruction.

E. T. Cole, Major U. S. A., acted as chairman of the meeting, and called for reports from the following corporations:

1. The Corps of Cadets;
2. The Class of Engineering;
3. The Class of Civil Engineering;
4. The Class of Electrical Engineering;
5. The Class of Mechanical Engineering;
6. The Class of Chemical Engineering;
7. The Class of Mining Engineering;
8. The Class of Agricultural Engineering;
9. The Class of Architecture;
10. The Class of Architecture and Landscape Architecture;
11. The Class of Landscape Architecture;
12. The Class of Landscape Architecture and Horticulture;
13. The Class of Horticulture;
14. The Class of Forestry;
15. The Class of Forestry and Wildlife Management;
16. The Class of Wildlife Management;
17. The Class of Environmental Science;
18. The Class of Environmental Science and Policy;
19. The Class of Environmental Science and Policy and Urban Planning;
20. The Class of Environmental Science and Policy and Urban Planning and Community Development.

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