

THE TECH

DAILY

VOL. XXIX. NO. 61.

BOSTON, MASS., THURSDAY, DECEMBER 9, 1909

PRICE ONE CENT

PROGRAM OF SPORTS FOR COMING WINTER

Five Branches From Which To Choose--A Chance For Everyone

There are five different sports which the Institute is to be represented this winter. In order that every man may know just what the opportunities in this line are, The Tech has prepared a list of these sports with a short summary of the outlook and condition of each at the present time.



HAROLD D. BILLINGS 1910
Manager of Hockey team

Hockey

Scarcity of ice will oblige the hockey team to practice in the gymnasium, but winter is here and ice must come.

The new rink will soon be ready and is to be used by the Tech team.

Manager Billings has arranged an especially attractive schedule and there will be many good trips.

Track

Practice for track men will be held on Monday, Tuesday and Thursday afternoons, 4.15-5.30 and on Saturday afternoons from 2.30-5.00. When possible the men will do distance work on the board track on the oval Monday afternoons.

Coach Kanaly wants every man who is going to run in the intercollegiate meet in the spring to get his preliminary experience in indoor track work this winter and desires that every man begin now.

Training for indoor track work will begin, Monday, Dec. 13, and new men have a chance to make their letters and numerals in the meets this winter. These opportunities will come in the B. A. A. meet Feb. 12, in the Lawrence Light Guard meet, and in the N. Y. A. C. meet. At all three meets Technology is always represented by a relay team. Men will be needed to take the places of Capt. Gram and Jack Moses of last year's team. Opportunities to win numerals will be given in the indoor class meet.

Basket Ball

Much interest has been shown in basket ball this year and Technology will be represented by a strong team. There is a large squad of twenty-five members and with five veterans back, the team ought to be one of the first in New England. Besides the varsity squad there are the two underclass teams

(Continued on page 3.)

WORK IN MINING DEPT.-- NEW TEXT BOOK USED

Work Of Professor Richards-- Investigation On Bone- Ash Cupels

The appearance of the second two volumes on ore dressing has proved to be of considerable importance to the students in the Mining Department this year.

Another important feature of the work of the department is an investigation of the breaking of bone-ash cupels.

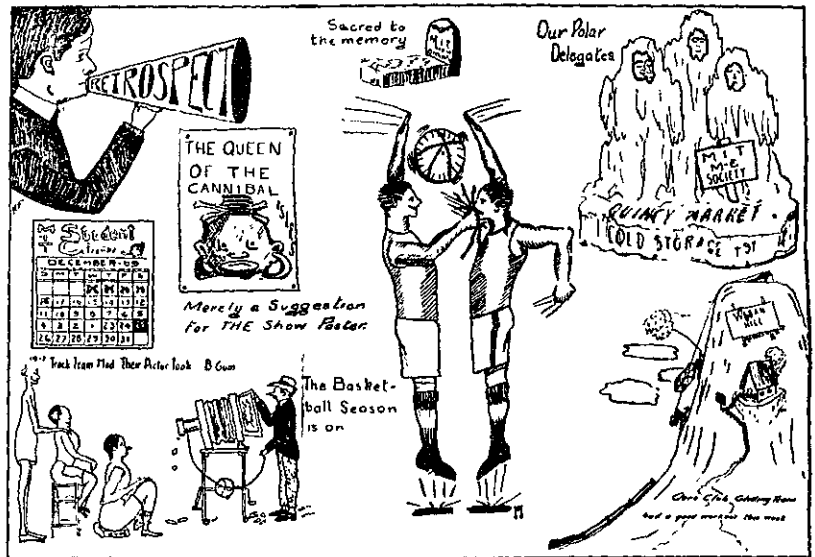
Volumes III and IV of Ore Dressing by Prof. Robert H. Richards appeared in September of this year. These supplement volumes I and II which were issued in 1903 and they show the advances that have been made in the art during the past six years. This work is recognized as the standard treatise on ore dressing. It represents a vast amount of work; two assistants have been continuously engaged in connection with its preparation during the past three years and at times other assistants have been required. For class use a condensation of these four volumes (total number of pages 2052) has been made in the form of a textbook designed particularly to be used in teaching and also available for men who wish a reference book of ore dressing which would give them the main principles and not go into too much detail.

This book is already in use by the present senior class in ore dressing. It is the culmination of the preparation of notes for the ore dressing class. For several years lithographed notes were used which gave illustrations of machines and processes. These contained no text and were incomplete for students' use in that respect. During the past six years a number of the students have used volumes I and II of Ore Dressing for a reference book in connection with their lectures, but the ground covered by these two volumes is too extensive to make them satisfactory for class-room purposes. The textbook now seems to fill the need very nicely. Its operation will be watched with much interest. The criticism is sometimes made that if students have a reference book which covers the lectures it leads to an inclination to neglect the lecture work and not pay full attention, since the student feels that he can recover by cramming the book at the end of the term.

The assaying department has been making an extended investigation of the cause of cracking of bone-ash cupels. A large number of experiments have been tried in the past and Prof. Bugbee now announces that he believes the problem to be solved. This cracking of cupels is particularly aggravating in assaying work owing to the fact that where a crack appears a little globule of silver may be lost in the crack and the whole assay spoiled.

Prof. H. O. Hofman is spending a couple of days in Washington on professional work.

The Aero Club of Amherst has scheduled two lectures for the month of December. Hudson Maxim, inventor of the Maxim gun and smokless powder, will talk on "The Warfare of the Future," and Mason A. Arnold, a world famous balloon pilot will give a lecture on "The Navigation of the Air," which will be illustrated by moving pictures.



SPECIAL COURSE I ISSUE OUT SATURDAY

Articles Of Value And Interest By Professors And Graduates

"What Course shall I take?" In order to enable everyone to be better able to answer this question, the graduates as well as the members of the different courses have been asked to assist the Tech in the publication of special issues on these courses. This coming Saturday the first of these, the Civil Engineering special, will be published. The following Saturday the Mechanical Engineering issue will appear.

In the first issue the subjects treated will be, what the course stands for at present, what opportunities it offers, the kind of life a civil engineer leads, how the course at the Institute trains for this life, and what is left for the life-work to develop.

Besides the articles from the graduates and professors on this phase of the work, there will be a history of some of the past graduates with the work they are now doing, the work of members of the department and pictures of them.

Some of the special articles are as follows:—a history of the department by Professor Allen, the field of Civil Engineering by Professor Spofford, articles on Sanitary and on Hydraulic Engineering by Professor Porter, Railroad Engineering by Professor Allen, the movement for a permanent Summer Camp of Civil Engineering by Professor Robbins and other articles along these lines.

MILITARY DRILL NOTES

A representative from Oliver Ditson & Co., has looked over the band instruments and has made an estimate for repairing them. This means that the band is soon to play in public.

Beginning January 3, 1910, the Monday and Friday drills will begin at two o'clock instead of at ten minutes past three as heretofore.

The officers will receive their sabres as soon as Bursar Rand appropriates the necessary money.

LACK OF INTEREST IN PROM. ELECTIONS

Polls Close At Four Today-- Few Juniors Have Voted Yet

To-night, at four o'clock, the committee who are to make all arrangements for the 1911 "Junior Prom" will have been decided.

The success of the Prom, which is by far the biggest social event of the Institute year, depends largely on the junior class as a whole, primarily in the selection of a good committee, and secondly in encouraging a large attendance.

Next term will be time enough for the support in the latter respect, but not so in the former—the Prom Committee must be selected by four o'clock to-night!

In order to obtain the best possible results, every member of the junior class must vote. So far only a few have done so, but let us hope that the rest of them will have enough spirit to visit the polls before four o'clock to-night.

PHYSICAL SOCIETY

Dr. George E. Hale, director of the Mount Wilson Observatory and graduate of the Institute, has consented to give a short talk before the Physical Society on recent work carried on at the observatory. Dr. Hale expects to be in the city for two days only, and, in consequence of this fact, Dr. Falk, who was the speaker announced for today, has kindly consented to give his talk on next Thursday, Dec. 16th. The meeting will be held as usual at 4.30 and will be in Room 22, Walker.

CALENDAR.

Thursday, December 9.

4:00 Junior Prom. Election Closes.
4:30 Physical Society, 20 Walker.

Friday, December 10.

1:00 1910 Class Meeting in H. H.
4:00 Basket Ball Practice.
4:00 Wireless Meeting, 11 B
6:30 Junior Class Dinner.
7:00 Phillips Exeter Dinner, American House.
8:00 Friday evening Entertainment.