

# THE TECH

## DAILY

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PRICE ONE CENT

### THE "FAIR CO-ED" AT THE UNION AND FIELD

#### Miss Elsie Janis And Her Mother With Players To Attend Dinner

Field Day will surely be a great day this year, not alone in athletic events, nor in the humming of Buzz Wagons, for, although these will certainly make quite a stir and draw a big crowd, other things will happen. About noon, Friday, Nov. 5, all lines of traffic will lead to the Tech Union, because—Miss Elsie Janis is coming to dine—accepting this invitation as extended to her by the class of 1912. Although, not the birthday of 1912, there will be just twelve members of the company with Miss Janis, and her mother, who will also be present, thinks with this goodly protection, one "Fair Co-Ed" should be safe.

The Union will be gaily decorated in red and grey, and a round table will be spread at the center of the dining room, while on each side of this table places will be reserved for distinguished personages, on the left the leading men of the Institute, and at the right the managers, editors and board members of The Tech Daily will sit for inspection.

The dinner will start at 12 o'clock and the Tech orchestra will render an interesting list of selections.

The menu is as follows:

#### MENU.

Julienne Soup.  
Fried Filet of Sole, Tartar Sauce.  
Parisienne Potatoes.  
Roast Chicken, Giblet Sauce.  
Mashed Potatoes. Green Peas.  
Vanilla Ice Cream. Cake.  
Coffee.

Tickets will be thirty cents, and are now on sale by the Union committee, and also at lunch ticket counter in the dining room. Tables may be reserved until 12:15, Friday, by speaking to the steward.

After the dinner, Miss Janis and her friends are going to start traffic going again, this time for the Tech Field. She will have a private auto, but the members of the corps will go to the Field in the sophomore Buzz Wagon.

A request was made to have the Union as the headquarters for autos, instead of Rogers.

### CROSS-COUNTRY SURVEY

Credit for the surveying of the new six mile Technology Cross-country course should be given to Elmer Jacobs 1910, L. G. Fitzherbert 1911, and H. G. Watkins 1912. The laying out of the course required a great amount of time from the men, and the saving of money to the athletic committee, because of their enthusiasm and work, amounted to a large sum.

### NEW Y. M. C. A. BUILDING

When the committee on the new Y. M. C. A. building met at R. H. Stearns' last night, and the result of the two weeks campaign were read, a great cheer was given. As it slowly died away, the big bell in the steeple of the New Old South is reported to have rung with sympathetic vibration.

Here is the best part of it, The Tech Y. M. C. A. contributed \$381.00. Guess that small hand did go around!

### TECH SHOW FOR 1910 SOON TO BE ANNOUNCED

#### Great Variety Of Titles And Usual High Standard Promised

Monday was the last day to hand in books for the play of the Tech Show 1910, and the same number of books were entered as last year. Most of the manuscripts were read by the stage manager and have been forwarded to Coach Francis for him to judge. In the opinion of the stage manager, the books are up to the high standard set by former plays and the outlook for an excellent show is therefore especially good. The titles of the books vary greatly; there being a choice of names from "North Pole" to "Darkest Africa."

The envelope containing the name of the winning author will be opened at the big Show Kommer's dinner in the Union, on Nov. 20. The books which are not accepted will be left at the Cage after Nov. 20, together with the corresponding sealed envelope. Elaborate plans are being made to make this year's Kommer's the best ever given.

During the week following Field Day, the first call for candidates for the positions of assistant business managers of the Show will be made. There is an unusually good opportunity this year, and it is expected that a number of men will respond when the call is made. The work in this department consists of getting out the souvenir program, as well as the handling of all money. The experience gained is certainly worth the trouble of at least making an effort to obtain the position.

### "CONCERNING TECH"

#### Last Chance Of Undergraduates To Receive Copy of Book

It appears that the distribution of the undergraduates book, "Concerning the Institute," has not been completed. There are a number of men who have not yet received a copy, and it is the desire of the Institute committee that every undergraduate receive the book.

If every student who has not yet received a copy will drop a card in any of the Tech boxes, which may be found in all the Institute buildings, giving his name, class, and the object of the card, a copy will be left at the Cage for him.

This is the last chance that will be given to obtain the book, and since it is a very important and interesting work, every Tech man should pass in his name at the earliest moment.

Distributions will be by courses and will take place the following days:

Course I—Nov. 3—5th.  
Course II—Nov. 5—8th.  
Course III—Nov. 8—10th.  
Course IV—Nov. 10—15th.  
Course V—Nov. 15—17th.  
Course VI—Nov. 17—19th.  
Course VII—Nov. 19—22nd.  
Course VIII—Nov. 22—24th.  
Course IX—Nov. 24—26th.  
Course X—Nov. 26—29th.  
Course XI—Nov. 29—Dec. 1st.  
Course XII—Dec. 1—3rd.  
Course XIII—Dec. 3—6th.  
Course XIV—Dec. 6—8th.

Union, Hamilton and Colgate colleges have entered into a triangular debating league. Three debates are to be held on the same evening on the same question, each college furnishing an affirmative and a negative team.

### EXPECT CONTESTS TO BE CLOSE FIELD DAY

#### All Teams Hard At Work Putting On The Finishing Touches

Field day is only two days off, and all men are strenuously at work to produce the best teams the Institute has ever put out for a field day.

In the sophomore relay camp everything seems to be in good shape. The men are putting in most of their time in passing the flag, as this is the important part of relay work. The team is all picked and is made up as follows:

L. B. Walker, E. Mangan, H. G. Greenleaf, S. H. Seecyle, W. M. Gen, H. R. Fox, L. B. Duke, J. I. Murray, F. J. Shepard, V. W. Allen, S. E. Reedland, M. A. Oettinger. The substitutes are A. R. Freedman and J. J. Taylor.

The freshmen are likewise confident of victory. Yesterday afternoon they ran against a team of juniors, although the 1911 men cut corners, they were pushed hard by the underclassmen.

The freshman football team has shown up well against their various opponents and have nothing but joyful expectations for the outcome of Friday's game. The probable line-up will be as follows: Gans or Cabill, l.e.; Beebe l.t.; Gilisan or Gage, l.g.; Gustin, c.; Capen l.g.; Murdock l.t.; Block r.e.; Merrill or Weeks l.h.; Gath r.h.; Eichorn l.w.

The sophomore football team, although not showing up well in outside games, are still in a shape to make the freshmen hustle.

Many old men are back, and will duplicate their good work of last year. The men who will probably constitute the team are: Rolinsan l.e.; Whittlesey l.t.; Kebbon l.g.; Lawson c.; Kimball l.g.; Barnes s.t.; Taney r.e.; Eichel q.b.; McCasker l.h.; Raymond r.h.; Beale f.b.

The tug-of-war teams are also well along. The sophomores have a year's experience, and many of last year's men are pulling this year. The men have shown up well for practice during the last week, and a good hard fight will certainly result as far as this team is concerned.

The freshmen are taking advantage of the help given them by the juniors and are going to pull against the latter this afternoon. This will give them actual pulling against an experienced team, and will help to even them up with the sophomores' experience.

### TECHNOLOGY CHESS CLUB

The purposes of the Chess Club are to encourage the game of chess among the members of the Institute. To do this at the beginning of each year a house tournament is held, matches are played with other colleges and teams, and simultaneous matches with some such skilled player as Mr. Sussman or Mr. H. B. Daly of the Boston Chess Club. Any student at the Institute is eligible to membership. The dues are 25 cents a term with 25 cents initiation fee.

This year the members have been divided into three classes, according to their playing ability. Each class plays its tournament, and then the winners in each class plays the loser of the class above. In this way a fair estimate of the players' ability is ascertained.

### STUDENTS OPERATE GOLD STAMP MILL

#### Practical And Interesting Work Carried On By Men In Course III

Yesterday from eight-thirty in the morning until three in the afternoon, the stamp mill in the basement of Rogers was running. Prof. Richards was in charge and a gang of ten men worked under him. They were H. S. Arnold, R. L. Beales, R. A. Beckman, B. Bigelow, H. N. Crichton, R. F. Goodwin, R. S. Hopkins, T. T. Sun, B. S. Wohlgenute.

The work was so arranged that each of these ten men had a chance to work an hour in each of the various positions. The men in the order named were for the first half hour, weigher, inspector, runner of stamp mill, amalgamater, vanner inspector, helper on vanner, runner of vanner, number of motor, sketcher.

The gold ore used is from Nova Scotia and is worth about \$30 per ton. During the day's run about 300 kilos were used. The ore, which has previously been crushed, is first fed into the mill and with it about one grain of mercury is added about every twenty minutes. Water flows through continuously and washes the gold amalgam which has formed, through a screen. Most of the ore is too large to pass through and so remains in the mill. Some, however, also flows through the screen and with the gold amalgam is carried into a trough. This trough is lined with silver amalgam which takes up the mercury and gold and allows the other impurities to flow still farther. The gold deposited in the trough constitutes about 20 per cent. of the total product.

The impurities which flow farther are carried out on the vanner. This is a large belt, slightly inclined and traveling upward very slowly. Among other substances in the water which reaches the banner is a compound of gold, iron and sulphur. This is lighter than the remaining waste and by a vibrating motion of the belt is kept from being washed away and gradually travels toward the top of the incline where it is washed into a pan, here to be dried. The gold is then removed by roasting.

A great deal of the gold is, however, left in the mill, in fact, about 80 per cent. This has to be panned out and washed before it can be recovered. The gold is removed from the amalgam by the usual method of distillation.

After the run is over and the products have been obtained, they are weighed, sampled and assayed. The report of the laboratory will be given out on Saturday.

The stamp mill will be run on the following two Tuesdays, so that every member of the class may have the opportunity of seeing the way in which it is worked.

## Special Calendar

FRIDAY, NOVEMBER 5

12 M. Field Day Dinner at Union.  
2 P. M. 1912 vs. 1913 at Field.  
8 P. M. "Tech Night" at Colonial.