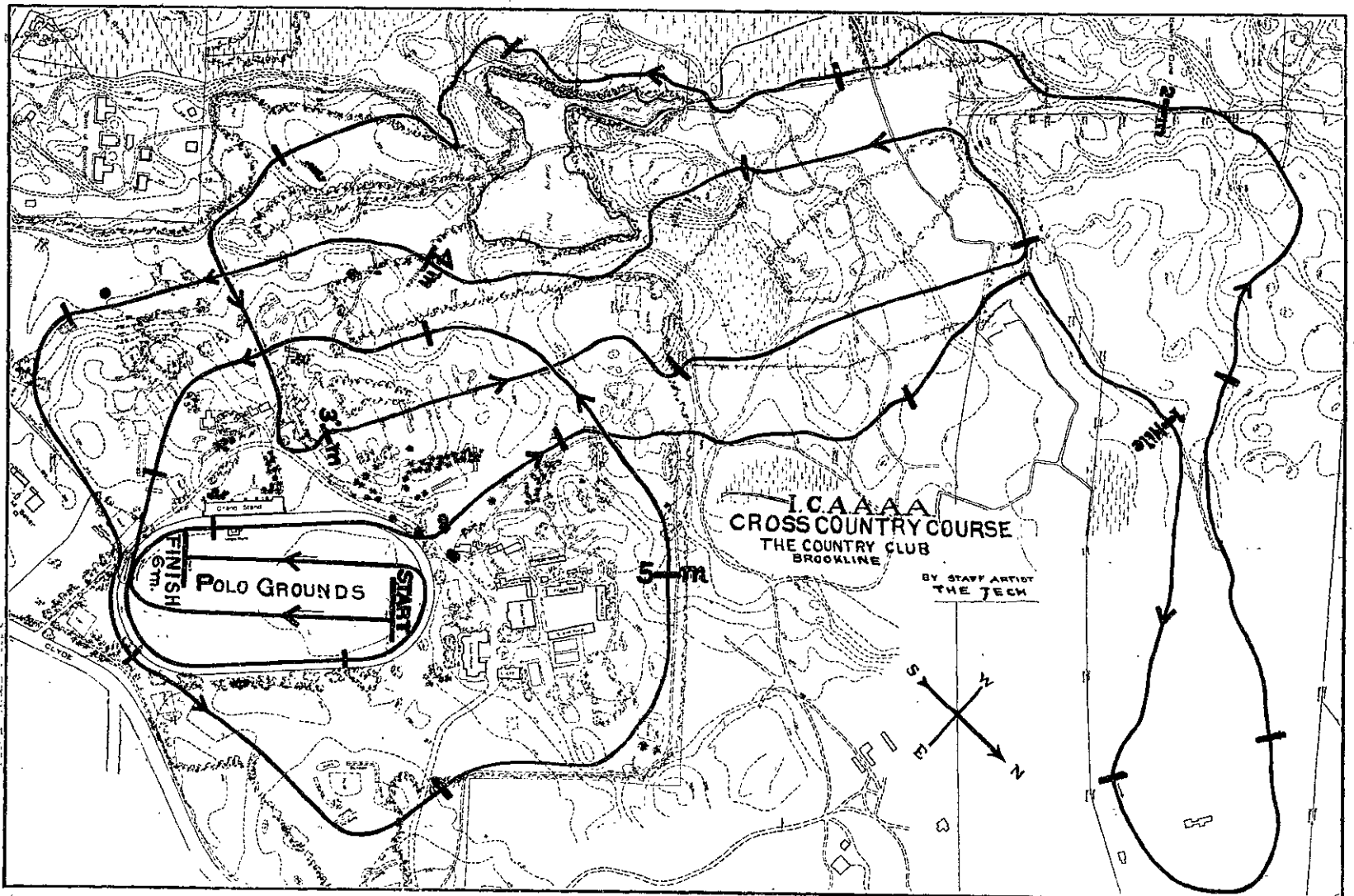


THE TECH

VOL. XXXI. NO. 50

BOSTON, MASS., THURSDAY, NOVEMBER 23, 1911

PRICE TWO CENTS



GLEE CLUB WILL GIVE CONCERT AT MEDFIELD

First Concert of the Year Will Put Finishing Touches On Club.

The Glee Club will give an informal concert at Medfield on the evening of November 24th. This is the first concert of the year and it will give the Glee Club an excellent opportunity to put the finishing touches on their work before the winter concert.

The program which will be presented follows:

Glee Club—"The Song of the Cannibal" Scott

Quartet—Robinson, Swenson, Doremus, Wallman.

Reader—Harry Briggs.

Glee Club—"Nellie Was a Lady."

Solo—Ralph H. Doble.

Glee Club—"The Cardinal and the Gray."

Reader.

Solo—Kenneth C. Robinson.

Glee Club—"Take Me Back To Tech."

Reader.

Quartet—"Massa's in the Cold, Cold Ground."

Solo—Ralph N. Doble.

Reader.

Glee Club—"Stein Song."

(Continued to Page 3.)

MODEL COURSE FOR INTERCOLLEGIATES

Both Contestants and Spectators Favored by Brookline Course.

The I. C. A. A. A. cross-country race, which will be held Saturday morning over the new course in Brookline, is the present centre of attraction in college athletics, and practically all of the most prominent Eastern colleges will be represented. Each college will have several men in the race. Only five of them, however, will count, and as eleven schools have signified their intention of entering a team, seventy-seven men will line up at the western end of the Brookline Country Club Polo grounds, and at the crack of the starter's gun will sprint across the open field for the track. Striking the track, they will take a sharp turn to the right and follow the course in front of the grand stand and leave the field at the extreme western corner.

Taking a course to the west, the men will follow the bridle path, through the woods, to a point three-quarters of a mile from the start, where a sharp turn north brings them out on the golf links. The run here is in the open, circling around the hill in the centre of the links. At the mile and a half mark there is a steep drop of about twenty feet, and then for a quarter of a mile in the open till they again strike the bridle path. A long turn over numerous low hills and they are now running in a southeasterly direction.

The course here for two miles is

(Continued to Page 3.)

NEW COURSE IN FRESHMAN ENGLISH

Elementary Logic Tried as a Stimulus to Original Thinking.

In order to counteract the tendency of modern preparatory schools to encourage habits of memorizing rather than thinking, the English Department has changed the Freshman English Course. A half term of elementary but rather stiff logic begins the course. This is combined with written work and is intended primarily to stimulate in the student the faculty of realizing with exactness the force of each expression which he uses, of estimating the value of words, and above all, of reasoning independently.

The results of the experiment seem so good to the department that it is making an effort to obtain an extension of time so that the course may be expanded. The cultivation of the logical faculty is so closely connected with all technical education that the course is of general application and value. "It has the advantage, moreover," said Professor Arlo Bates, "of taking the student out of any rut into which he may have fallen in the fitting school, and of giving him a new start. Since his success in the course depends chiefly on the acuteness with which he uses his reasoning powers, it helps to put him in the right attitude toward all the work which the Institute requires of him."

Too bad that the B. A. A. team played the game so rough. It will hurt the team to have Stucklen out with a bandaged face.

THANKSGIVING DINNER PLANS ARE BOOMING

The Best Dinner Ever Served at The Union Is Promised—Social Evening to Follow.

Announcement appeared in the editorial column of Wednesday's TECH of the Thanksgiving dinner at the Union for fellows stranded in town here over the holiday. In undertaking this project the T. C. A. seizes a great opportunity to do a useful service in the Institute, and will push the scheme for all it is worth if only the fellows for whom it is to be given lend their best efforts to making the dinner a success.

More definite announcement of plans can now be given than appeared in the previous notice. It has been decided to charge fifty cents for the tickets, and for this price a regular "almost-as-good-as-home" dinner can be secured. Mr. Colton, who is thoroughly in sympathy with the plan, hints of turkey, fresh vegetables of all kinds and complexions, at least seventeen varieties of pie, ice cream and many delectable extras thrown in. If

(Continued to Page 4.)

CALENDAR.

Thursday, November 23.
1.00 P. M.—1913 Class Meeting—Huntington Hall.
2.00—1915 Class Ballots Due at the Cage.
4.00—1914 Basketball—Gym.
8.00 P. M.—Mining Society—11-B.
Friday, November 24.
8.00 P. M.—Musical Clubs' Concert—Medfield.

THE TECH

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THURSDAY, NOV. 23, 1911

IN CHARGE OF FRIDAY ISSUE.

EDITOR—Cary, C. A., 1912.
 Associates—Graham, L. H., 1914; Munn, P. J., 1915; Somerby, F. S., 1914.

THE TECH takes great pleasure in announcing the election of Alexander Joseph Pastene, 1913, to the Managing Board.

It seems most important that the members of the Hockey Team should train as well as the members and candidates for the other athletic teams. The new men trying for positions seem to realize that it is for their advantage to keep in the best possible condition. But, why should the men who have their positions assured be allowed to "use the weed" and make other breaches of training to the detriment of the chances of the team as a whole?

We hope that the Captain and Coach will get together and lay out a system of training to be followed as far as possible and eliminate smoking from the allowed privileges to all members and candidates for the Hockey Team.

M. E. SOCIETY MEETING.

Mr. I. E. Moulthrop Will Speak About Boiler Plant Design.

The Mechanical Engineering Society has an important meeting today at 4.15, in Room 11, Engineering B. Those members in good standing will vote on a treasurer. Professor Emeritus, Gaetano Lanza, who as honorary chairman represents this branch in the American Society of Mechanical Engineers, has resigned, recommending Professor E. F. Miller for the place. The office is to be filled by appointment by the president of the A. S. M. E.

Besides this the society is to hear a lecture by Mr. I. E. Moulthrop on "Power Plant and Boiler House Design." This lecture will be of direct application in the Senior second term work in Course II. Power plants with their boiler rooms on the upper floors will be discussed, and the handling of ashes and fuel explained. The use and advantages of mechanical stokers, as compared with the use of hand stoking, will be discussed in detail.

TECH MAN MARRIED.

On October 14, 1911, Claude Osgood Brown, 1908, Course I, was married to Miss Mamie E. Hanson at Manila, P. I. Mr. Brown is the Assistant Engineer of the Irrigation Division, Bureau of Public Works, at Manila, P. I.

MOVEMENT TO REVIVE ENGLISH HIGH CLUB

English High School Men Come to Life After Two Years' Quiescence.

Yesterday afternoon a meeting of men from the English High School took place in the Union. It was called for the purpose of reorganizing the E. H. S. Club, which has been dropped for about a year and a half. The Freshmen recently expressed their desire to re-form the club and get things going again. As their class has a large representation from the High School, there is no reason why the club should not be carried along, since in the past the Freshmen have had to bear the brunt of the work in the club.

Yesterday quite a number showed up, but not as many were present as should have been. Those who did attend were told by a member of the previous club about the doings while he was in his first two years at the Institute. The club thrived real well during that time, many good meetings and a successful dinner being held. In spite of these good times the club dwindled out, all interest seeming to die. From evidence given this was caused by the fact that the responsibility was left to one man, or perhaps a couple, who could not hold it. Everyone must help the club along by doing what he can.

It was decided yesterday to elect a temporary chairman, who should appoint two men to serve with him on a committee. This committee is to make every effort to have the upper classmen who are from E. H. S. turn out to the next meeting, which is to be held in the Union next Wednesday at 1.30 o'clock. C. L. Smith was elected temporary chairman. J. McGrath and J. M. Livermore were appointed as the other members of the committee.

At the meeting next week it is hoped that more can be done toward getting the club in good running condition, and that for this purpose a large number of graduates will turn out.

COMMUNICATION.

To the Editor of THE TECH:

The Treasurer of the T. C. A. has sent out eighty letters to men who subscribed some amount last year and did not pay it. So far he has received the enormous sum of twenty-five cents in answer to these letters. Of this amount sixteen cents went to envelopes in which the letters were sent. All honor to the man who saved the Association from bankruptcy! Why is it that Tech men are "so backward in coming forward?"

We are not finding any fault with the men who did not pay last year. But now the Association is active; it needs money; seventy-five men pledged some; why don't they pay it? If each man paid twenty-five cents we would have \$20 (less the 16 cents paid out; see above). That's easy. If some of the seventy-nine paid more than 25 cents—well, that's too much for a man who is not a mathematician; but if the men all come around and pay up we'll guarantee to keep the account straight. The treasurer is pretty good at arithmetic.

L. R. Talbot,
 Secretary T. C. A.

INSTITUTE COMMITTEE.

The meeting of the Institute Committee, which was scheduled to be held yesterday afternoon, has been postponed until next Monday, at 4.30 P. M. At this meeting those men who are elected to represent the Freshman class in the Committee will be present for the first time and meet the other members.

Penn has a couple of good men who should place about three places better than ten if they are fit.

Velvet

THE SMOOTHEST TOBACCO

OVER the hills with dog and Velvet is companionship indeed!

Velvet, famous as the finest leaf from old Kentucky—aged by time—the only make-sure process. The leaf hangs in the old warehouse for over 2 years—gradually changing from green to mellow—then you get the smooth, full flavored, good tasting smoke that the southern planters themselves like. Never a bite in such tobacco.

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Full 2 ounce tins

Special Announcement.

Due to the removal of my Boston store to 336 Washington Street, I am offering a discount of 20 per cent. on all orders received from now on until the middle of December—a great opportunity for any one who appreciates good clothes. All my woolsens are of foreign texture.

Style and workmanship guaranteed of the best.

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EUROPEAN AND AMERICAN PLANS

HERBERT H. BARNES, Proprietor.

I. C. A. A. A.

(Continued from Page 1.)

the hardest part of the run. The flags lead them through swamps, over hills, and through dense woods, bordering the curling pond. Again, at the two and seven-eighths mile mark the course takes another turn and goes in a northerly direction to the three-mile mark, where the spectators in the grand stand can get a clear view of the runners.

Turning, the course follows the general direction of the first three-quarter mile till it strikes the first turning point, but now takes an opposite direction and runs for a short distance south, sweeping around to the skating pond over a steep hill.

Just beyond the four-mile mark the course crosses itself and sweeps down to the polo grounds once more. At this point the spectators can follow the runners for over a quarter of a mile, when they again disappear into the woods, a mile and a quarter from the finish.

Making a large circle and crossing itself three times, the course comes back to the polo grounds, entering the field at a point east of the grand stand and finishing in front of the stand after one lap of a half mile on the track.

The course is much better from both the spectators' point of view and the runners' standpoint than any of the previous intercollegiate courses. The course gives a great variety of topography to the runners, and is soft and grassy. As the spectators will be able to see the contestants three times during the run, the monotony of waiting, which is usually the case in long distance running, will be eliminated entirely.

UNION COMMITTEE.

The meeting of the Union Dining Room Committee, which was to be held in the Bursar's office yesterday, at 4.30 o'clock, has been postponed to next Wednesday, November 29.

The Committee is gratified by the fact that no complaints as to the food or service have been received recently.

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Recognized as one of Boston's best hotels. Suited to the requirements of tourists—and the best class of business men and their families.

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Single Rooms	1.50, 2.00, 2.50
with Bath	2.00 to 4.00
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with Bath	3.50 to 5.00
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THE CHOCOLATES
THAT ARE DIFFERENT

FOR SALE AT THE UNION

KOMMERS' DINNER TO BE JOVIAL AFFAIR

Manager Woehling Will Outline Plans For This Year's Tech Show.

On Saturday evening, December 2d, at 6:30 o'clock, the sixth annual Tech Show Kommers' dinner will be held in the Union dining room. Toastmaster Woehling has been assured that several of the old show men will be on hand to furnish entertainment, and it is rumored that some of the "chorus girls" will appear in ballet costume.

The primary object of the Tech Show Kommers is to give the new men at the Institute an idea of just what Tech Show is and what they can do to make it successful. Tech Show is given entirely by Tech men and it must depend upon Tech men for its support. This is the only Show dinner of the year which is open to men of all classes at the Institute, and it is bound to bring together one of the most jovial crowds in the history of the Union. Those who have attended any of the former Show dinners will need no urging to be present. Tickets are on sale at the "Cage" and by the members of the Show management.

General Manager Woehling will outline the general policy of the Show

TECH SHOW



SIMON PURE BRASS
Hollis St. Theatre
Matinees April 26 and 29

and the managers of the several departments will give an outline of the work of their respective departments. The dinner will be very informal. Several good speakers have been secured who will give the men short talks on the relations of the Show to the Institute and to the alumni.

Several of the "stars" of former shows will give interesting accounts of their experiences with Tech Shows and the advice of these experienced men will be of great value to new men and to those who expect to enter the competitions for cast and chorus, which are to be held later.

After the dinner the fellows will adjourn to the living-room upstairs, where they will gather round the piano and make the Union ring with cheers and songs of all varieties. Some of the "hits" of former shows will be repeated by ex-showmen in costume, and a rousing good time is assured to all.

Men who are expecting to come out for Tech Show are urged to get their tickets at once at the Cage, so that satisfactory arrangements can be made in the dining-room. Saturday evening, December 2d, should be reserved by every Tech man as the night on which he is going to attend the Tech Show Kommers' dinner.

WANTED—Dress suit to fit a man 5 ft. 11 in. high. Address H. P. Vieth, 4 Cotton street, Roslindale. Tel. Rich. 2430. (50-7t)

DR. O. P. GIFFORD IS T. C. A. SPEAKER TODAY

"The City Without a Church" to Be Noted Orator's Subject.

The T. C. A. is expecting another record crowd this noon at 1.30, in the Union, when Dr. O. P. Gifford is to speak on the subject, "The City Without a Church." Dr. Gifford is well known not only in this city, but also in others as a remarkable orator and maker of epigrams. He has decidedly original ways of putting things and is sure to say some things that Tech men want to remember. The T. C. A. is extremely fortunate in having secured Dr. Gifford, for he is backed up not only by his well-known reputation, but with the recommendation from men of high standing, including Dr. Merlin, last Thursday's speaker, as a man most fit to talk to college men.

The T. C. A. talks have gradually increased in popularity since the beginning of the year, as shown by the interest taken in them and the growing attendance. Those who are responsible for the coming of so renowned a speaker hope that the Union will be crowded with men to give him a good reception.

MINING SOCIETY.

Prof. Stoughton Will Give An Illustrated Lecture.

Professor Stoughton will give a lecture at the meeting of the Mining Engineering Society to be held this evening.

Professor Stoughton has quite an impressive history in Yale's department of metallurgy, he has written a very successful text-book on "The Metallurgy of Iron and Steel," and has recently resigned from his position as an educator and taken up a professional career. His lecture will be on the iron and steel industry, illustrated by lantern slides. He will also give several interesting personal anecdotes. At the end of the meeting characteristic miners' refreshments will be served. The meeting will be held in Room 11, Engineering B. Everyone is cordially invited.

GLEE CLUBS.

(Continued from Page 1.)

In addition to the songs which appear in this program the club has a number of remarkably good selections with which they will surprise us at the winter concert. From all of the reports that have been received the annual winter concert is going to be the best that has ever been given.

After the musical program is completed a dance will be held until 1 o'clock. Poole's Orchestra will play the dance music, and arrangements have been made so that refreshments can be served to the guests during the intermission.

Preliminary tickets are now on sale for the winter concert, to be held on December 15th, and they may be obtained from members of the Musical Clubs. These tickets are to be exchanged for reserved seats at the Union after December 7th. Get your tickets now before they are all sold. This concert is always a popular one.

JUNIORS WILL MEET.

Since the 1913 Class meeting today comes at the close of the Pol. Econ. lecture, at 1 o'clock, and most of the Juniors are scheduled for the lecture, there should be a good attendance. The meeting, as before stated, is to consider a constitutional amendment, so that the Athletic Association members shall also become ex-officio members of the Executive Committee of the class.

Hereafter all gym cuts must be made up.

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offers the Inspiring Dramatic Spectacle
A MODERN MORALITY PLAY
BY WALTER BROWN
EVERY-WOMAN
Her Pilgrimage in quest of Love
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Ensemble of 200 people

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"The End of the Bridge"
Prices: 15c, 25c, 50c, 75c, \$1.
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33 SAINT BOTOLPH ST., BOSTON
Ticket: 7 Breakfasts, 7 Luncheons and 7 Dinners, \$4.50. 14-Meal Ticket: 7 Dinners, 7 Breakfasts or Luncheons, \$3.50. Breakfasts, 10 to 30c. Luncheons, 25c. Dinners, 40c. 7 Dinners, \$2.50. 7 Lunches, \$1.50. We make a specialty of catering to Tech Students.

"THE LITTLE PLACE
"ROUND THE CORNER"
Copley Lunch
QUICK SERVICE

CREW PRACTICE DELAYED
It was expected that rowing machines could be installed in the gymnasium for practice today, but these have been delayed, and consequently there will be no meeting of the crew this afternoon. Regular attendance will not be required until after Christmas.

"ZARIFFE"
Private Monogram CIGARETTES
100 for \$2.00
Gold, Cork, Straw or Plain Tips. Natural fragrance, mildness and satisfying qualities
SAMPLE THEM IN THE UPPER TECH OFFICE
A. T. GIBSON, Agent

COES & STODDER
Desirable Shoes for Students
10 TO 14 SCHOOL ST.

Classified Advertisements and Notices

COURSE II CHANGES.
Mill Engineering and Industrial Management Outlined.

Professor Miller announces a more detailed outline of changes to take place in Course II. There are three principal additions to be made, including Mill Engineering, Industrial Management and a course in Refrigeration. In the Mill Engineering course, mill and factory design will be dealt with, fire protection and building material discussed. Following this lectures will be given on heating and ventilating such buildings, air-washing and moistening. Propulsive machinery of the ship and locomotive will also be taken up.

Professor Park will have charge of the course in Industrial Management, which will include the relations of various departments of an industrial establishment for economy of manufacture and a study of the staff and department organizations.

The course in Refrigeration will be in charge of Professor Berry. It is practically a new subject in its completeness and relations to other courses. It will comprise a study of refrigerating machines and systems, types of insulating substances for warehouses, ice plants, etc., also the manufacture of ice and the liquefaction of oxygen and nitrogen for commercial purposes.

THANKSGIVING DINNER.
(Continued from Page 1.)
there are enough to justify the outlay there will even be souvenir menu cards.

Following the dinner the men will gather in the living room of the Union for a social time. All the standard amusements will be in order, and also it is hoped that there will be enough interest shown to get up a little program. All sorts of stunts, story-telling, music, or any original tricks are in order, and the co-operation of those present is all that is needed to make the occasion outshine any Hook Night program ever dreamed of. At any rate, a comfortable loaf about the open fire when everyone is blessing the ability of Mr. Colton to satisfy the cravings of the inner man will be much pleasanter than to warm one's nose over the proverbial grindstone.

The only way that this project can be started is for everyone who will find this a welcome way to spend Thanksgiving to make known his name to a member of the committee before Friday night. See personally or leave your name at the Cage or T. C. A. office for Rudolph H. Fox, Charles A. Cary, or Secretary L. R. Talbot.

HERRICK, COMLEY SQUARE
Choice Seats for all Theatres
Phone B. B. 2328
Key Number Connecting Five Phones (1-11)

GENTLEMEN—I call to your attention that I will pay more for cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow Street, or telephone Cambridge, Mass. 302.

JEWISH RECEPTION.
All out-of-town Jewish Gentlemen who would be interested in attending a reception and dance on next Monday evening are asked to leave their names and addresses at the Cage for W. S. ...

6.6 MEN PER INSTRUCTOR.
Table Shows Comparison of Students and Faculties.

There recently appeared a comparison of vital statistics of the Institute and other State supported schools. They show the number of students allotted to each instructor, and have tabulated eighty-one schools and colleges. The average of all is 10.5 men to each instructor. The Institute is far below this, there being only 6.6 students per instructor. While the cost per unit hour is undoubtedly less in the colleges above the average of 10.5, than in the others, it is also notable that the best of the colleges have less than that average.

A few of the more interesting are tabulated below:
Colorado School of Mines...18.7
University of California...12.9
University of Illinois... 8.4
University of Maine... 9.2
Mass. Institute of Tech... 6.6
Mass. Agricultural College... 8.5
University of Michigan...15.
Cornell University... 6.6
University of Wisconsin... 7.9
The highest in the whole list is the University of Minnesota, which has 26.1 students per instructor, while at the other end appear the State Agricultural College (of Colorado), and the South Dakota State School of Mines, each having 3+. In the list there are only ten colleges with a less average than Tech.

ONE BUNCH OF KEYS LOST. Return to Cage. (50-5t)

"All Work and No Play Makes Jack a Dull Boy"

The Trinity Court Bowling Alleys
Offers Tech men an admirable and convenient source of recreation. Directly opposite the Tech Union on Stuart St.
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