

THE TECH

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PRICE THREE CENTS

COLOR PHOTOGRAPHY.

Ives and Joby Processes Explained in Interesting Lecture by Prof. Derr.

Professor Derr gave the first lecture on Color Photography Friday afternoon. Through a mistake the lectures were posted as coming on Thursdays instead of Fridays and the attendance was slightly decreased on that account.

Professor Derr took up the indirect processes which are based upon the absorption of all the colors except those desired. The Ives and Joby processes are the most important of these and use as their three base colors red, green, and blue-violet. The great difficulty to be overcome is to get dyes of exactly the right shades for the base colors, and this is the only limitation in the excellence of the effects obtained.

In the Ives process glasses of these three colors are placed in a magic lantern and three duplicate photographic negatives are placed behind them. The lantern is then focussed so that the images coincide on the screen and a colored picture is obtained.

The Joby process makes use of a plate ruled successively in fine red, green, and blue-violet lines, and the colors are produced on the picture by means of these lines. One would think the effect would be very streaky but the lines are so fine that they blend together, thus giving the effect of combined colors.

Next Friday Professor Derr will lecture on the direct processes, of which those of Lippman and Wood are the most prominent. The lecture will be in 22 Walker at 4 P.M.

FROTHINGHAM TO SPEAK.

The Civic Club held a business meeting on Friday at 7 P.M. in 16 Rogers. The following men were elected to membership: Wells, '07, Bowen, '07, Hutchinson, '09. It was decided that Mr. Louis Frothingham should be invited to address the first Kommerz of the second term, which Kommerz will be given under the auspices of the Civic Club.

The president informed the men that the series of letters written by prominent men in the United States at the request of the Secretary of the Intercollegiate Civic League will probably begin in about a month. These letters will take a prominent place in the future meetings of the Civic Club, as they will be read at all meetings and then published in the various college papers. They will be entirely non-partisan in their character and while dealing with problems of a more or less social and political nature will be addressed to students in general.

Yale's basketball team has been playing a phenomenal game in the South and middle West. Here is its record: Dec. 19, Yale 27, Delaware College 11; Dec. 20, Yale 50, Baltimore Y. M. C. A. 4; Dec. 24, Yale 48, Birmingham A. C. 5; Dec. 25, Yale 21, Nashville A. C. 17; Dec. 26, Yale 31, Louisville Y. M. C. A. 19; Dec. 27, Yale 22, Missouri A. C. 19; Dec. 29, Yale 30, Kansas City A. A. 21.

EXCITING MEET PROMISED.

List of Entries for Interclass Meet Larger Than Ever Before.

Tomorrow evening there will be held at the Gym the biggest class event of the winter season, the Interclass Championship Indoor Meet. Although there has been but little time for training since the opening of the season, there has been a large number of men working this week, and the entry list is larger than in previous years.

As in the past five years, invitations to attend have been sent out to members of the Faculty and Corporation. Answers to these invitations have been received from nearly every recipient, many of them accepting. Governor Curtis Guild, who is a member of the Corporation ex-officio, regretted very deeply that he could not attend. This system of sending invitations has built up the plane of athletics at the Institute to a great degree and has in part been one of the greatest helps toward securing the Field and the new Gym for the athletic association.

The meet tomorrow evening promises to be not only well attended but also most exciting and sharply contested throughout. All of the old timers are entered, and a lot of fast new men have appeared on the list.

In the short sprint there will be Todd and Captain Richards of the veterans. The new men that will probably make a showing are Pope, '10, Fernstrom, '10; Moses, '09, and Schobinger, '08. In the quarter mile there will be Blackburn, '08, Moses, '09, and Pope, '10, who will probably be in the front at the tape. In the half mile Blackburn again appears as a likely man for first, but he will have to work for the first medal if Buckingham, '07, and Gimson, '08, run in the event. In the mile run is entered nearly the whole cross country squad with several of the older track men. This event promises to be the fastest yet seen in the Gym. The 40-yard hurdles will be a competition between a select few, all of the men entered being old hands.

The entry list at the time of going to press was:

35-yard dash—Richards, '07; Albro, '07; Keeney, '09; Gram, '09; Dickerman, '09; Richardson, '08; King, '09; Kollen, '10; Edmunds, '08; Moses, '09; Schobinger, '08; Pope, '10; Fernstrom, '10; Barnard, '10; Avery, '10; Todd, '08. 440-yard dash—Blackburn, '08; Keeney, '09; Edmunds, '08; Moses, '09; Pope, '10; Richards, '07; Barnard, '10. 880-yard dash—Blackburn, '08; Buckingham, '07; Gimson, '08; Frost, '09; Chapman, '08.

One mile run—Howland, '08; Batchelder, '08; Ellis, '09; Stephenson, '09; Udale, '07; Buckingham, '07; McGregor, '07; Young, '10.

40 yard high hurdles—Eaton, '07; Albro, '07; Rapelye, '08; Keeney, '09; Pope, '10.

High jump—Morrison, '08; Bennet, '09; Stuart, '10; Blackburn, '08; Rapelye, '08; Schobinger, '08; Elwell, '10.

Pole vault—Orr, '08; Schobinger, '08; Tetlow, '08; Bartlett, '10; Richardson, '08; Russell, '10.

16-pound shot—Critchett, '09; Kollen, '10; Morrison, '08; Allen, '08; Friedmann, '08; Sherman, '09; Schobinger, '08. Thurlow, '08; Drew, '10; Edmunds, '08.

The entry list will not be closed until the first call for the event on the evening of the Meet.

TO INVESTIGATE.

Sophomore Class to Take Up Matter of Theatre Committee Expenditures.

A special meeting of the Sophomore Class has been called for tomorrow at one o'clock in Huntington Hall. The matter of the expenditures of the Sophomore Theatre Committee will be taken up and investigated. Not only does the committee wish to vindicate itself but the class wishes to go to the bottom of the matter. Contradictory reports concerning the expenditures are being circulated among the members of the class, and the meeting promises to make a record for attendance.

ANNIVERSARY COMMEMORATED.

Saturday marked the tenth anniversary of the death of Gen. Francis Amasa Walker, president of the Institute from 1881 to 1897, and according to custom, the Walker Club decorated the bust of the former president in Rogers corridor with a large, handsome wreath. Francis Walker, throughout a life devoted to the welfare of humanity, distinguished himself as a soldier, economist and, statistician, and as President of the Institute, was much beloved by students and Faculty. By this simple custom is shown the great respect which is felt for the memory of the man.

GO TO THE MEET.

Even if you are a freshman and do not know what the Indoor Class Meet is, or not a member of the Faculty or Corporation and have not received a special invitation, you should make it a point to go to the championship contest tomorrow evening. It has been frequently rumored that there is a good deal of college spirit at the Institute, but this spirit has always shown itself in the form of yelling on certain occasions where the actual cost to the individual is little or nothing. The only way to show your true Tech and class spirit is to appear tomorrow evening at the Gym, either with a track suit under your arm ready for the fray, or with your largest and heaviest voice to encourage the representatives of your class. You will have a grand time and never regret that you went.

1910 INSTITUTE COMMITTEE.

Voting for the Freshmen members of the Institute Committee was carried on at the Cage on Saturday from 12 to 1. Only members of the class who had already paid their dues were allowed to vote, but the number of ballots cast was quite large. The result was the election of T. W. Saul and B. Reynolds. These two men, together with J. M. Fitzwater, will constitute the representation of the Freshman class on the committee.

THE BEST DISINFECTANTS.

Best natural disinfectant,	Sunshine
Best germ	Formaldehyde
Best physical	Soap
Best moral	Publicity

CALENDAR.

MONDAY, JANUARY 7.

1.00 P.M. Freshman Class Meeting in Huntington Hall.
1.10 P.M. Meeting of THE TECH Board in 30 Rogers.
4.00 P.M. Banjo Club Rehearsal in 33 Rogers.
4.00 P.M. Mandolin Club Rehearsal in 31 Rogers.
4.15 P.M. Glee Club Rehearsal at the Union.
7.30 P.M. Texas Club Meeting in 16 Rogers.

TUESDAY, JANUARY 8.

1.00 P.M. Sophomore Class Meeting in Huntington Hall.
1.00 P.M. Ohio Club Meeting in 26 Rogers.
7.15 P.M. Second Monthly Dinner of Boston Club of 1905 at the Technology Club.
8.00 P.M. Indoor Class Meet at the Gym.

WEDNESDAY, JANUARY 9.

6.30 P.M. Ohio Club Dinner at the Union.

FACULTY NOTICES.

First Year.—First year students are expected to take at the end of the present term all entrance examinations in which they have not already clear records, with the following exceptions:

1. Special students taking no work dependent on such entrance subjects. Such students if they desire to become regular may take remaining entrance examinations in June or September, this applying particularly to entrance French, German, and Physics.

2. Students who are now making up entrance French and German by taking the elementary course.

3. Students entitled to excuse from particular entrance conditions on the basis of good term work. This applies to conditions in entrance Algebra, English, French, German, and Plane Geometry, and students will be notified if excuse can be given.

NOTICES.

Boston Club of 1905.—The second monthly dinner of the Boston Club of 1905 will be held Tuesday, Jan. 8, at 7.15 P.M. at the Technology Club. All 1905 men expecting to attend will notify G. B. Perkins, 137 Columbus Avenue.

A. I. E. E.—A meeting of the Boston Branch of the American Institute of Electrical Engineers, will be held on Wednesday, Jan. 9, at eight o'clock in 6 Lowell. A paper on "The Regulation of Gas Engines" will be given by Dr. Charles E. Lucke, Consulting Engineer for the De La Vergne Machine Company. Non-members are cordially invited to attend the meetings.

Seniors.—All appointments for sittings for the Senior Portfolio pictures should be made before the middle of February at Notman's, 384 Boylston Street. Blanks which entitle Seniors to sittings without charge may be obtained from members of the Portfolio Committee. Senior information blanks have been distributed and should be filled out and returned to any member of the Committee or mailed to D. G. Robbins before the mid-year vacation.