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PRICE THREE CENTS

CROSS COUNTRY PRACTICE BEGINS

Easy Runs Will Be Taken Every Week From Gymnasium

NEW DISTANCE RACE

Spring Handicap to be Held Over Technology Course—Many Old Men Back

Cross country work for the present spring season is to be taken up immediately in real earnest. Light training for the distance and cross country men will begin at the Gym Saturday afternoon at 3 P. M., and from then on light work will be done on two or three days of each week.

The plan of Coach Kanley is to develop any latent running ability at the Institute and every man, whether he has ever run before or not has been requested to report on Saturday. The distance will be very short and run at an easy jog. As soon as the ground is in good shape the weekly Hare and Hound runs will be resumed but at present the runs will start from the Gym.

In order to give the men as much actual experience in the running of races as possible three cross country races will be held this spring. The first of the runs, the annual Inter-course run comes on April 3. The second will be run two weeks later. It will be called the Spring Handicap cross country race and after this year it will become an annual event. It is to be run over the Technology course.

The third of these contests, the 1912-1911 cross country run will come on April 24 and will be held under the same rules as prevailed last year. Any number of men can compete but only the first six from each class will score. The first six men of the winning class receive class numerals.

Work for the weight men will start as soon as the snow leaves the ground on the field in front of the Lowell building as in previous years. Their work will come on Tuesdays and Thursdays so as not to interfere with the cross country work which will be on Mondays, Wednesdays and Saturdays.

Special training for the relay men and track men who will run in the dual meet with Brown and at the Intercollegiates will start at the field on March 15. The meet with Brown is at Providence this year and comes on May 8. The N. E. I. A. A. falls on May 21 and 22; the I. C. A. A. comes one week later.

SEMINARS TO BE HELD

Prof. Walker and Dr. Lewis to Hold Chemical Discussion

Professor C. H. Walker is to give a seminar during the coming term on Chemical Engineering, giving special consideration to the principles on which the more important mechanical operations involved in the chemical manufacturing industries depend, such as drying and filtration by centrifugal force, together with a study of the types of apparatus available for such operations, and the kind of work for which each is best adapted. The design and construction of chemical plants are considered with special reference to the chemical resistance of the materials employed. The discussions are held at 8 o'clock Friday mornings, beginning Feb. 19.

Dr. W. K. Lewis is to give a seminar on "Problems in Industrial Chemistry, considered from the point of view of the Phase Rule." The course is intended to show students how theoretical knowledge can be supplied to the solution of problems in industrial work and consists of informal discussions. The seminar is given Wed. mornings at 8 A. M., beginning Feb. 17.

PROFESSORS BREED AND ALLEN SPEAK

Expert Testimony the Topic of Addresses at C. E. Society

RESOLUTIONS PREPARED

In Memory of Paul H. Block a Member of Society—Large Number Present

Before 87 members of the Civil Engineering Society Wednesday evening Professors Breed and Allen of the civil engineering department spoke on expert testimony and some of their experiences on the witness stand.

The meeting opened with the reading of a resolution in memory of Paul H. Block 1909, who died December 4, 1908. After more or less routine work had been done, a committee was appointed to take charge of the society's heading in Technique 1910.

Professor Breed then took the floor. He began by saying that every engineer would sooner or later be called upon either to testify in court or to prepare plans and data for his superior to use in law work. He then described the court room as it is usually arranged, and the procedure up to the time when the engineer as an expert is called to the stand. Witnesses are divided into two classes, ordinary and expert. The former remain outside the rail, and in general testify to facts only, usually those of which they know from the perception of their senses. The latter testify to scientific facts and give their opinion freely. An expert is a man who has made special study of the subject under consideration, with or without practical experience, or has had opportunities for observation of it in his personal practice. Any man is considered an expert in his own line of work, and may be in allied lines. Expert evidence is usually necessary for the jury to decide any question not a matter of common knowledge.

From this he went on to speak of the testimony itself. He advised that the witness should know as well as possible both the case and the court, and that he should keep close control of himself. Experts may often be divided into two classes, honest and dishonest, but as he said, the latter are usually short lived and in engineering especially it is advisable in a business way as well as morally to stick to the facts and be as nearly as possible a dictionary of the subject under discussion just as the judge is of the law. If a man feels that he cannot truthfully support the side that calls him in, he should resign from it before the case gets to court. He has a right to expect an expert's fee for his work, as it requires careful preparation.

In preparation of the case, all the facts should be carefully considered, and the witness should form his opinion only after discussing them with the attorney who has called him in. Always use the original notes in court, and be sure of all figures presented. Test the tape used in filed work. Above all things make the testimony simple so the jurymen can understand it. They are much more likely to be impressed by something simple which they understand thoroughly than by any amount of scientific truth told in long technical words that they have never heard before. Photographs, plans and sometimes even models are likely to be very useful aids, both in preparation and on the stand. The ability to write a good report is indispensable.

Testimony should always be as concise and clear as possible, consistent with completeness, and each statement should answer the question asked and nothing else. The witness should not feel afraid to give facts adverse to his side, as a jury will always give more attention to a man who is frank and open than to one who seems inclined to

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INSTITUTE FIVE TO MEET DARTMOUTH

Basketball Contest With the Hanover Team Expected To Be Close

1911 TO PLAY 1912

Second Game of Class Series Will Be Played Between Halves of Varsity Game

Technology and Dartmouth will meet in basketball for the second time this season in the Garrison St. gym at 8 o'clock. With one victory over the green scored on the Hanover floor by the small margin of four points, the Tech five will be up against a harder proposition than they encountered in the first game of their season. The score was 26 to 22 on Dec. 12, most of the points being scored in the first half. Six goals from fouls by Captain P. M. Wentworth of Tech against two by Brady of Dartmouth were enough to give a victory to the red and grey, the number of baskets from the floor scored by each team being the same.

T. Avery, Dartmouth's star left guard will probably play an important part in the game tonight, while Brady's eye for baskets has improved as the season progressed.

T. B. Parker, center for M. I. T. and one of the best men at shooting baskets now playing varsity basketball, has lost some of the snappiness exhibited in his first games; hard rubs in several consecutive games have begun to show their effects on the Institute star. Captain P. M. Wentworth, 1909 and C. R. Lord, 1910 are in excellent form for the coming contest.

The following men will play tonight. TECHNOLOGY: Wentworth 1909 lg.; Bennis 1912, Taite r.g.; Parker 1911, c.; Lord 1910, l.f.; Hargraves 1910, r.f.

DARTMOUTH: Brady, l.f.; Buck, r.f.; Gibson, Hedge, c.; Avery, lg.; Mullen, r.g.

In the second game of the Technology class basketball, championship series 1911 will meet 1912, between the halves of the varsity team's game with Dartmouth.

With one victory over the entering class, the sophomores will play with a crippled team, two of their men being ill. Livingston will be unable to enter the game, and it is doubtful whether Stevens is well enough to last for any time in the contest which promises to be one of the closest on record. C. H. Harrington and D. F. O'Neill, star full-back on the class football team will fill the vacatee positions.

The Freshman five will be strengthened by the addition of A. F. Kenrick substitute on the varsity team, and both Ruby and Stone are in prime condition.

1911, Schatz, r.f.; Williams, l.f.; O'Neill, l.f.; Harrington, c.; MacPherson, r.b.; Metcalf, l.b.

1912, Stone, l.b.; Cherry, r.b.; Kenrick, r.b.; Ruby, c.; Albee, l.f.; Farwell, r.f.; Riddell, r.f.

1910 CLASS PICTURE

Attention is called to the fact that every member of the class of 1910 is expected on Roger's steps at one o'clock today so that a picture of the entire class can be taken for the Technique. This is the only chance that the class will have to get their pictures taken in a group as a class of the Institute so that it is up to everyone to be there and to be there on time.

\$5.00 PRIZE OFFERED

The Musical Clubs offer \$500 (five dollars) for the best Musical Clubs Drawing. This is to be a full page drawing for Technique and is to head the Association of Musical Clubs section. The competition will close Tuesday, February 23rd. This should be ample time as Monday is a holiday.

DEMOCRACY TOPIC OF DR. FLEISCHER

Will Address Gathering in Union This Evening At Eight

SEDGWICK NEXT WEEK

Students Requested to be Careful About the Refreshments By Committee

Rabbi Fleischer of Temple Israel will speak at the Union night entertainment tonight at 7.45. His subject will be "Democracy". Dr. Fleischer is well known as a lecturer in Boston. Last year he delivered a very valuable and interesting address to the Architectural Society on Jewish architecture. His public-spiritedness is shown by the eminent manner in which he has served the city as a member of the school committee.

As usual, a large attendance will be expected by the management and will be provided for. However, if the first men to enter the refreshment room insist on taking twice the number of sandwiches coming to them for the nominal sum charged, there will be a scarcity of eatables when the other fellows get in. This plan of "pay your money and take your choice" has been somewhat abused.

Prof. W. T. Sedgwick will speak next week, probably on public health and sanitation.

E. H. S. CLUB DINES

Last night in the small dining-room of the Union thirty English High School graduates sat down to dinner. They had as their guests of honor James A. Beatley and Charles P. Lebon, both masters at the English High.

Harold L. Lang 1909 acted as toast-master and called the meeting to order. The meeting was enlivened by the singing of songs between the speeches and business. Mr. Beatley was the first speaker introduced by Lang and he kept the E. H. S. men convulsed in laughter by an imitation of Mr. Dooley. Mr. Lebon, the next speaker introduced, after a few slaps at the preceding speaker, told about a few of the things for which the United States is in debt to France.

The next speaker Sidney A. Malcolm 1909 brought to light the fact that the book of the show has been written by an E. H. S. man, also that the business manager is a graduate of the same school, that lyrics and music have been written by E. H. S. men and that the Blue and Blue is also well represented among the principals and chorus.

After Malcolm's talk the club proceeded to ballot for officers, electing the following men:—Pres., Sidney A. Malcolm 1909; V. Pres., Harold L. Lang 1909; Sec.-Treas., Carl J. Sittinger 1910; Executive Committee:—J. Devlin 1911 and H. D. Kemp 1912.

The pictures of ancient and modern brickwork on exhibition in the Department of Architecture were presented by Messrs. Fiske and Co., Inc., New York. The exhibit consists of pictures of 16th century brickwork in Persia, and bricks in use in ancient Rome, with examples of the modern use of bricks in the construction of residences and of business buildings.

CALENDAR

Friday, Feb. 19.

- 1:00 P. M. Junior Class picture on Rogers steps.
- 7:00 P. M. Musical Clubs at North Station.
- 8:00 P. M. Friday Evening Entertainment in Union.
- 8:00 P. M. Dartmouth vs. Tech at Gym.
- 8:00 P. M. Military Ball at Howe Hall.