OLD EXAMS (Continued from Page Four)

silver acetate is about 8 grams in a liter of water, while sodium acetate is twice as much as its own weight of water. Predict and explain what would occur if a considerable quantity of sodium acetate were dissolved in a liter of saturated solution of silver acetate.

1. What would happen if anything would be observed, and write reactions in water upon a solution of sodium iodide why not?

2. Name experiments which you could do in each of the following cases: (1) when HI is heated to 400 degrees in a sealed tube; (2) when HCl (gaseous) is heated to 460 degrees in a sealed tube; (3) when perchloric anhydride is added to water; (4) when a mixture of hydrogen chloride gas and air is passed through a tube, heated to 460 degrees and containing clay balls saturated with copper sulphate.

3. How many magnesium nitride would be prepared? How does it react with water, and what type of chemical change does the resulting reaction belong to?

4. Inorganic Chemistry B. Name experiments which you have performed which illustrate each of three important types of chemical change. Write reactions so far as possible.

5. Carbon tetrachloride containing pure carbon is heated, and oxygen is passed through the tube. The resulting carbon dioxide is absorbed by caustic potash. From the following data, calculate a value for the equivalent weight of carbon.

6. In what important respect does a concentrated solution of a weak acid differ from a dilute solution of a strong acid? Name two ways in which the two differ. 

RELAY TRIALS (Continued from Page One)

along strong the past week and should be getting right up to form by Saturday night. He is in without any doubt the fastest starter on any relay team in New England, and with fair team should get the jump on the first man and either the Harvard or Dartmouth teams.

Nothing happened slightly in the first trials over the full distance, but came back strong last Saturday, and will prove fully as good an anchor man as his brother. His time was the fastest of any of the men taking the trial, and his speed, together with his rangy build, will make him one of the strongest relay men in the college ranks.

Colleary and Bold are both big men and just about as fast as the men who ran on last year's team. Colleary is one of the best all round athletes in New England and is a former N. R. I. C. A. A. broad jump champion. He is a strong finisher and will probably be run third man as a member of the 360 team in 1915, and made second fastest time in the trials.

Harvard will avoid against Teck practically the same team which set up the world's record of 3 minutes 2 seconds running against the B. A. A. A. A. at the schoolboy games last year, Barron being the only member of the team lost by graduation. From the present indications, Capper, Bingham, Middle and Nixon will run for the Crimson.

In a trial last week Bingham went through the 390 in 47 seconds, one fifth faster than the record for the track made by Capper last year. Judging the men by last year's performance, Harvard will have the fastest college relay in the country, but will be pushed to their limit to beat the team which Technology will send to the mark.

In addition to the Harvard race, the Institute will meet Holy Cross at the Irish-American meet, Dartmouth, the H. A. A. and Georgetown at Hartford. Negotiations are on at present to provide an opponent for the team in the Providence Armory meet, the best indoor sprints which any management has ever arranged.

MUSICAL CLUBS (Continued from Page One)

Monday, Feb. 1, at Montclair, N. J.
Wednesday, Feb. 3, at Washington, D. C.
Thursday, Feb. 4, at Butler, Pa.
Sunday, Feb. 7, at Ephrata, N. Y.
Saturday, Feb. 6, at Northampton and Springfield.

The men are to be entertained by various alumni and fraternity in the cities visited. At many of the places where concerts are given, dances and receptions are to be held afternoons. Saturday a concert will be given in the afternoon at Northampton and in the evening at Springfield.

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