The Last of a Series of An Interesting Course of Lectures About Chemistry

Dr. Whitney gives Lecture on Electric Furnace

To bring out the idea that science and the arts are making steady progress, and that even in our old examples of it, he quoted the practical application of very elementary principles. At first there were more scoffers at the electric furnace than there were investigators of it, but enough of this pessimism to correlate its form is today a practical success. In referring to such scoffers Dr. Whitney said, "If you have an idea do not be scared by the pessimism of those days. The same stage in a scheme or an idea is to progress what the head of a steel bar suddenly heated externally, electricity is the best agent. In all such cases then, electric heating outdistances all other kinds of heating its high output. Furthermore, by electric heating, we can adjust the temperature, but we can get the heat equally distributed. After pointing out these advantages of electric heating, he pointed out other ways to describe the different types of electric heating, the alloys being employed. The simplest electric furnace is one of the resistance type. To use this we must have a material which will stand the high temperature, will not oxidize, and will have a high resistance. Platinum is too expensive for ordinary purposes, and therefore the different kinds of high-resistance alloys have been developed. These are alloys of steel with chromium, tantalum, or titanium. Such alloys are used almost exclusively by the General Electric Co. for making electric fuses and breakers.

The Electric Furnace is being described, next, makes it possible to attain a temperature of 3500 degrees C, which is necessary to use in certain circumstances. If we want an advantage of heating by coal, it may neverthe-

BRONZE TR展开 ld SCENES IN THE
Tropical Scene Illustrated In Brilliant Green And Yellow

On Saturday, April 2, the second annual exhibition of the Boston Architectural Club will be held at the club house. This is a most important exhibit of practically all of the largest colleges having architectural schools, will be represented. The colleges which will have exhibits are Columbia, Harvard, Cornell, Pennsylvania, Carnegie Institute and the Mass. Institute of Technology.

Last year the exhibition was also held here in Boston at the Club, but it is the opinion of those who have participated that this place is specially adapted to the exhibition. It is a more interesting idea, as it gives these colleges the advantages of having the work from the other colleges to study, and just what other college students are doing.

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TECH SHOW POSTER APPEARS MONDAY

LARGE ARCHITECTURAL EXHIBITION TO BE HELD

All Of The Larger Colleges Will Be Well Represented

The Arena

It is about time that the Truck men visited Tech Field. Very few men have been out for prac-er, they think the greatly improved condition of the Truck Field this spring. As many as the first year men are most abundant, and they promise revenge for that out-door truck defeat.

Incidentally, 1912-13 need not be over until April 24 ought to be well worth going to. The Soplis have something on, but the Freshmen are a capable lot, and are practiced with a zest that looks bad for '12.

The "light" men are practicing with shell, hammer, and discus in the Field near Lowell, afternoons. 1913 has a likely looking bunch out now. Sampson who did so well in the quarter mile indoors, seems to be in good trim for the intercollegiates in May and for the New England Intercollegiates slated for the last year, is working regularly and shows up well for the early season.

George Croft, is out for the 110 yard hurdles and looks faster than ever.

Cheapside, who scored in the New England Intercollegiates slated for the last year, is working regularly and shows up well for the early season.

Watkins hasn't practiced yet, but he claims when he does he will make a hit.

More fellows should follow the hare and hounds run on Friday night, and any remnants of sport, are easy enough for the most modest runners.

Next year's basketball should be top

COUPLE VISSUE

The course VIII of the Tech will be published early next week. Watch The Tech as it will be announced just when it will arrive.

By Monday evening all of the students, freshmen, sophomores, juniors and seniors, will be deep in the social whirl preparing for the inevitable suffocation of filling out local application for seats for the participants of Tech Show 1910. Ever since the application blanks were first started there have always been a number of men who seemed to think that every application was to be covered with writing. This year the management has endeavored to head off any inducements which may incline the curb. "Do not write in the blank," they say.

Each man will receive an application blank; a list of necessary materials and "Amount." These should be filled in neatly, as the tickets are wanted, the number wanted, and the total cost; 15 or 30, $1.00, 15 or 30, $1.00, etc.

In the left-hand corner, boxed in, will be found, "Upper, Lower, Change Day," or the "Number, Day and Amount." These should be filled in neatly, as the tickets are wanted, the number wanted, and the total cost; 15 or 32, $1.00, 15 or 30, $1.00, etc.

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