Typical Theses.

COURSE XI.

[An Investigation of the Sewage Discharge from Moon Island and its influence on the waters of Boston Harbor. By E. P. Osgood.]

It is proposed to study by bacteriological, and to some extent by chemical methods, the fate of the sewage daily discharged at Moon Island, and to investigate its effects, if any, upon the character of the waters of the harbor and vicinity.

The method of procedure will be to take samples, first of the sewage as it flows from the outfall and then from various points near and remote in the harbor. These samples will be examined bacteriologically and chemically, the number and character of the bacteria being carefully considered.

It is hoped also to make some examination of the muds at different points by microscopic methods such as have been used by English experts in their study of the pollution of the river Thames.

Another question that may come up is the effect of cold salt water on the bacteria of fresh and relatively warm sewage. The briny character of sea water may have some such effect upon sewage bacteria as it has upon fresh-water fishes. The low temperature is pretty certain to have a powerful effect, for it is well known that "warm-blooded" bacteria, such as inhabit the human intestine, cannot thrive at a low temperature.

A local question to be considered is the alleged pollution of the shores near Moon Island. There is said to have been some complaint from Quincy and other places on this score and the justice of these complaints will be investigated.

Some study will probably also have to be made of the normal bacterial condition of ordinary sea-water, of which but little is known; and this may involve trips to points as distant as Boston Light, or the Light Ship, or even Provincetown.

The thesis deals with a novel and difficult subject and it is puzzling to attempt to tell in advance all of the steps which may have to be taken.

The Baseball Outlook.

NINETY-NINE has about twenty-five candidates out practicing under the direction of Captain Lane Johnson. The following men are trying for the battery: for pitcher, H. M. Keys, R. G. Holabird, and T. P. Robinson; for catcher, G. A. Pennock, G. M. Gale, G. I. Copp, and F. L. H. Kimball. The following schedule has been arranged by the manager, W. O. Adams, who has also secured the use of the B. A. A. Oval for team practice.

- April 13, Somerville High, at Somerville.
- April 17, Brookline High, at Brookline.
- April 19, Arlington High, at Arlington.
- April 24, South Framingham.
- April 29, Tufts College, Second Nine.
- May 1, Williston Seminary, at Easthampton.
- May 18, Class game with M. L. T., '00.

The management is in correspondence with Brown, '99, Thayer Academy, and several other schools with whom games will probably be arranged.

The Freshmen feel very confident of a successful season. Some fifteen or twenty men are already in the field. C. B. Cotting, who captains the team, was last year captain of the Newton High School nine. The management is in the hands of J. W. Paget, captain of last fall's football team. The candidates for pitcher are M. H. Whitehouse, Captain Cotting, M. Silverman, and W. E. Rabbeth; for catcher, C. M. Leonard and H. D. Learned. The following games have been arranged:

- April 10, Brookline High
- April 14, Roxbury Latin
- April 16, Adams Academy
- April 21, Newton High
- April 29, Tufts Freshmen
- May 1, Bridgewater Normal
- May 5, Groton High
- May 10, Harvard Freshmen
- May 12, Thayer Academy
- May 15, Brown Freshmen
- May 18, Class game, M. L. T., '99
- May 22, Dean Academy