

Dr. Delbruck intimates that the most important development is that "our investigations have given a new interpretation to the views developed by Buchner, that in the life of yeast we must differentiate *protoplasma*—the seat of life—and *enzyme*—the working constituent (*Arbeitstoffe*)—of the organism. Their prosecution has now developed facts which will be of importance to the fermentation industries and particularly to physiology. The theme is the struggle of the enzyme in the yeast cell."

The book has a value therefore beyond the boundaries of the industries named and while it should be found in the working libraries of all progressive technologists it will be found useful as a source of valuable suggestion to biologists and physiologists in their work.

W. McMURTRIE.

A LABORATORY MANUAL OF PHYSICS FOR USE IN HIGH SCHOOLS. BY HENRY CREW, PH.D. AND ROBERT A. TATNALL. New York: The Macmillan Company. 1902. xii + 234 pp. Price, 90 cents, *net*.

The authors have certainly succeeded in producing a very commendable book. The experiments have been carefully selected with a view "to illustrate the first principles of physics as simply as possible," and the directions for their performance are so clear and to the point that much teaching energy is saved. Several new experiments are given as substitutes for the classical ones or to illustrate points hitherto somewhat neglected in elementary physics. The number of experiments is sufficient to admit of some latitude of choice, and by means of references the work in the laboratory is brought into close correlation with seven of the best text-books on elementary physics. There are three appendixes, the first being an interesting reprint from a paper by Robert Boyle on "A New Essay Instrument, etc.," published in 1675, the second giving advice as to the selection of a galvanometer, and the third containing various physical constants.

C. E. LINEBARGER.

PLATTNER'S MANUAL OF QUALITATIVE AND QUANTITATIVE ANALYSIS WITH THE BLOWPIPE. Translated by HENRY B. CORNWALL, E.M., Ph.D., assisted by JOHN H. CASWELL, A.M. Eighth edition revised after the sixth German edition, by PROF. FRIEDRICH KOLBECK. Illustrated with 87 wood cuts. New York: D. Van Nostrand Company. 8vo. Cloth. Price, \$4.00.

All students of blowpipe analysis will be pleased to have this latest edition of Plattner's classic work in their libraries, especially