

to know that their old teacher, since retiring from professorial duties, has devoted a part of his well-earned leisure to literary pursuits. It is the wish of all that his helpful pen may be active for many years to come.

C. A. BROWNE.

**Kapillarchemie und Physiologie.** By DR. H. FREUNDLICH, Professor Extraordinary at the Technical High School of Braunschweig. Second enlarged edition. With five figures. Published by Theodor Steinkopff, Dresden and Leipzig, 1914. 48 pp. Price, 1 mark, 50 pfennigs.

This little monograph divides itself into two parts, into a first half which is a mere reprint of the first edition of Freundlich's essay, and a second part in which are inserted additional references and notes occasioned by the developments of chemistry during the past six years. Freundlich's essay furnishes an excellent introduction to the principles of colloid-chemistry and points out some of the many applications which may be made of it to biology, physiology, pharmacology and medicine. After a discussion of what colloids are and their general properties, Freundlich takes up their classification and the problem of adsorption as observed in colloid systems. Processes of swelling and of colloid precipitation are touched upon, after which are listed biochemical problems for the interpretation of which the principles of colloid-chemistry may be used to advantage. The pamphlet will serve, therefore, to introduce the beginner to the problems with which colloid-chemistry deals in its scientific and technical aspects. As Freundlich's contributions to colloid-chemistry are of first order his views may be looked upon as the expressions of an authority.

The second half of the monograph represents, essentially, a series of footnotes to the main text. While one is perfectly in sympathy with Freundlich's desire to maintain the unity of his original thesis and not to weaken his main argument by numerous explanatory paragraphs, the effect in the end is just what he wished to avoid, for the more dogmatically stated truths of the first part need constantly to be modified by reference to the addenda. It remains a serious question whether this might not better have been done by the author than by the reader.

MARTIN H. FISCHER.

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### CORRECTION.

The price of "F. Lohnis, Vorlesungen über landwirtschaftliche Bakteriologie," given on page 616 of the March JOURNAL as \$1.14, should have been Mk : 17.50.