

PRACTICAL BACTERIOLOGY.

A Text-Book of Bacteriology for Students and Practitioners of Medicine by Philip Hanson Hiss, Jr., M.D., Professor of Bacteriology, College of Physicians and Surgeons, Columbia University, New York City, and Hans Zinsser, M.D., Associate Professor in Charge of Bacteriology, Leland Stanford University, Palo Alto, California. With one hundred and fifty-six illustrations in the Text, some of which are colored. New York and London: D. Appleton and Company. Price, \$3.75. 1910, Toronto: D. T. McAtosh & Co.

The science of bacteria is a young one and yet one of the most important. It has important bearings in the medical, sanitary, agricultural, and industrial worlds. The study of bacteria plays an important part in the arts and sciences as well as in medicine. This book gives a clear exposition of what bacteria are and what they are responsible for. The first section of the book takes up the general biology of bacteria and the technique of bacteriological study. This is a scientific section and deals with the life habits of bacteria and how to cultivate and study them. It is a good laboratory guide. The second section discusses infection and immunity. Here the practical side comes well to the front. This portion of the book is intensely interesting to the physician who sees much of infection in general and wishes to know the processes that take place. The sections deal with infection, defensive factors, toxins, autotoxins, lysins, precipitins, agglutinins, sera, phagocytosis, poisons, anaphylaxis, etc. The third section takes up the known pathogenic micro-organisms and the diseases they cause. The fourth section discusses infectious diseases of unknown origin as rabies, smallpox, poliomyelitis, yellow fever, etc. The last section deals with bacteria in the air, soil, water, and milk. The book contains a veritable storehouse of information on bacteria. It is well printed, bound and illustrated. We can speak highly of this work.

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