

## Publications Received.

**M**OSSES with a Hand-lens and Microscope by A. J. Grout, Ph. D.  
The O. T. Louis, Co., New York.

Now that Plant Ecology has taken its place as an essential part of Botany it is important that the lower plants found in the various formations should be studied as well as the higher forms. Hitherto we have had no book by which the ecologist could readily identify the Mosses—a group which have a prominent place in many associations, but Dr. Grout has now supplied this need.

In this volume about 300 species are described, among this number being all the common and some of the rarer Mosses of the eastern United States and eastern Canada. Excellent keys to the families, sub-families genera and species are given.

In the first portion of the book the subjects of Classification and Nomenclature, Collection and Preservation of Mosses, and Methods of Manipulation are treated and the Life History and Structure of the Moss Plant is fully discussed and excellently illustrated.

The structure of mosses differs so greatly from that of the higher plants that a host of new terms confront the neophyte in moss-study, but the full and well-illustrated glossary removes the difficulty.

The illustrations are extremely numerous and excellent in every way.

This volume is a quarto of 416 pages and is printed in large clear type on fine coated paper.

A. B. K.

**M**OSSES with a Hand-lens, by Dr. A. J. Grout. Second Edition.  
The O. T. Louis, Co., New York.

For those who wish to study the Mosses, but have only a hand-lens as equipment, this book is indispensable. It contains keys to the families, the genera and the species of the common mosses of eastern North America. Each species is described and the majority of them are illustrated. This book also contains keys to, and descriptions and cuts of, 54 common Liverworts. The sections devoted to the method of examining mosses, their collection and preservation and on life history and structure are excellent. Thirteen pages are devoted to a well-illustrated glossary.