
The Natural Landscape and Natural History of the Athens State Hospital Grounds. *Frank M. Semans.* Issued by the Athens State Hospital, Athens, Ohio. 1955. 24 pp. mimeographed. Free Distribution.

The Athens State Hospital grounds have a reputation for natural beauty. The author of this bulletin has brought together material on the natural history of the area. Included are a report on the stratigraphic records of a rock cut, by Myron T. Sturgeon; a list of the woody plants, by William G. Gambill, Jr.; and a list of the vertebrates observed on the grounds, by Henri C. Seibert.

The bulletin will provide useful information for those interested in the natural history of Ohio.

EDWARD S. THOMAS

Microwave Spectroscopy. *C. H. Townes and A. L. Schawlow.* McGraw-Hill Book Company, Inc., New York. 1955. xviii+698 pp. \$12.50.

This volume is concerned primarily with the Microwave Spectroscopy of gases. The basic theory of atomic and molecular spectra is presented critically, systematically, and in the simplest way consistent with completeness. The material may be profitably read by anyone with an elementary knowledge of quantum mechanics and atomic physics. A rather complete account of the microwave techniques which are especially useful in microwave spectroscopy is included. Appendices give most of the tables and information needed in doing research.

This book should prove to be of major importance to students and research workers interested in microwave spectroscopy. It will serve as an excellent guide to anyone interested in doing research in this field, as well as an excellent text for anyone wishing to broaden his knowledge with respect to this important and relatively new field of physics.

FRED P. DICKEY.