we have a catalogue of 465 species of plants occurring in Licking County, Ohio. Mr. H. L. Jones, the author, gives a list of the herbaria consulted, a short sketch of the county geology, and other facts. Among them are the times of flowering of the plants, and we note that in November 44 species bloom, in December 11, in January 14, in February 8, in March 17, and up to July 530. Thus no month of the year is without some color.

JOSEPH F. JAMES


In the rapid extension of agricultural chemistry and scientific agriculture, a vast amount of tabular matter has been prepared, thousands of analyses have been made, and yet the results are neither satisfactory nor proportional to the work done. Professor Whitney has recently placed the position very clearly in saying, "There has been no satisfactory interpretation as yet of much of the work which has been done on the chemical composition of soils and plants, and the results of plat experiments have in most cases been very conflicting and uncertain." In this country the government experiment stations are issuing bulletin after bulletin of valuable and interesting reading; but even they, with all their superior advantages, have, as yet, fallen far short of their purpose.

In the pre-eminent position held by Dr. Haldane in this field and in the slighting of "condition," which latter feature forms a prominent part in the opening chapters of "An Introductory Manual for Sugar Growers," by Mr. Francis Watts, government chemist at Antigua, W. I., the first half of this interesting little book may be perused with profit by agriculturists the world over presenting as it does a remarkably clear and intelligible dissertation on the elements of agricultural chemistry, treating first of soils, then of plant life and plant food, and finally of manures and fertilizers. The remainder of the work is devoted exclusively to the sugar industry, beginning with the planting and cutting of

INSECTS AND INSECTICIDES.

A PRACTICAL MANUAL,
Concerning Noxious Insects and the Methods of Preventing their Injuries.

By CLARENCE M. WEEDE,
Professor of Entomology and Zoology, New Hampshire State College.

WHAT IS SAID ABOUT IT.
"I think that you have gotten together a very useful and valuable little book."—Dr. C. V. Riley, U. S. Entomologist, Washington, D. C.
"It is excellent."—James Fletcher, Dominion Entomologist, Ottawa, Canada.
"I am well pleased with it."—Dr. F. M. Hexemer, Editor American Agriculturist, New York.
"It seems to me a good selection of the matter which every farmer and fruit grower ought to have at his immediate command."—Prof. S. A. Forbes, State Entomologist of Illinois, Champaign, Ill.
"A good book, and it is needed."—Prof. L. H. Bailey, Cornell University.
"It is one of the best books of the kind I have ever seen."—J. Freeman Hickam, Agriculturist, Ohio Experiment Station, Columbus, Ohio.
"I shall gladly recommend it."—Prof. A. J. Cook, Michigan Agricultural College.

Price, 81.25.

Sent postpaid on any address on receipt of price.

N. D. C. HODGES, 874 Broadway, New York.