thesis, transpiration, absorption by roots, movement of sap, etc., are given, together with mention of their inter-relation where it seems necessary. Subjects of evident practical importance, such as pruning, pollination and fertilization of flowers, seed production, seed germination and seed testing, and the propagation of plants, are all given space in this condensed and yet comprehensive and easily understandable book. A chapter is even devoted to "Weeds."

The water, temperature, light, and nutrient relations of plants are also discussed adequately. For example, under nutrient relations, plants are divided into two groups, independent and dependent, the basis for the division being whether they possess chlorophyll or not. Consideration is given to assimilation, digestion, translocation, as well as to the enzymes involved in these processes. The subject of the soil, its fertility and its bacterial content, is not forgotten, and several pages as well as a very complete diagram are devoted to the nitrogen cycle. The part played by the different mineral elements is not overlooked.

A brief explanation of the botanical classification and nomenclature of plants is likewise included, and several chapters are devoted to a discussion of the lower forms of plant life, such as the algae and the fungi. Numerous half-tones and well labelled diagrams and sketches are scattered through the book adding greatly to its value. (L. R. H.)

AGRONOMIC AFFAIRS

TWELFTH ANNUAL MEETING OF WESTERN SECTION OF SOCIETY

The twelfth annual conference of agronomists from the western states met at Davis and Berkeley, California, from June 19 to 21. The attendance was good with a full program of papers and lively discussions throughout the meetings. Roll call showed the states to be represented as follows: Arizona, 1; Idaho, 1; Montana 1; Nevada, 1; Oregon, 4; Utah, 2; Washington, 8; California, 20; and U. S. Dept. of Agriculture, Washington, D. C., 3. Visiting agriculturists were present as follows: Burma, 1; India, 1 and New Zealand, 1.

PROGRAM

DAVIS, JUNE 19

I. Address of welcome, Dr. W. L. Howard, Director University Farm, Davis, Calif.

II. Response, J. W. Gilmore, President of Western Section of American Society of Agronomy, University Farm, Davis, Calif.

III. Roll Call.

IV. Secretary's report of 1927 meeting at Moro, Oregon, V. H. Florell.

V. Agronomic Problems in California, B. A. Madson, Associate Agronomist in Charge, University of California, Davis, Calif.