and measurement of water, rainfall characteristics, an excellent discussion of drain tile characteristics, the drainage of irrigated lands, the drainage of peat and muck lands, the cost of drainage, and drainage administration and law. They select considerable material from their previous books, but include some important and valuable recent information on field measurements of soil permeability, and other practical information available previously only in separate bulletins or unpublished documents.

Soils men will be interested in the attention, although quite limited, that has been given to soil, its texture, structure, and permeability. Reference is made to the permeability classes, and the soil structural forms of the Soil Conservation Service. Some will be disappointed in the brief discussion accorded soil structure, and the failure to recognize class and grade as well as type of structural aggregate. It is regrettable that the authors failed to include the present day information on soil textural classes. For example, they describe the textural separates of the Bureau of Chemistry and Soils, which defined clay as consisting of particles smaller than 0.005 mm. in size. Inasmuch as the authors refer to the agricultural application of the soil textural separates, it would seem desirable to utilize the presently accepted particle size definitions in this field.

In the interest of simplicity, the authors include a right angle textural triangle in preference to the presently accepted USDA equilateral textural triangle. To most agriculturalists this will complicate rather than simplify the idea of soil textural classes, inasmuch as most agricultural students are now being introduced to the equilateral triangle.

The theoretical treatment of soil-water relationships is oversimplified, and has not included the more recent developments in the field. This is disappointing inasmuch as it would be desirable that even a simplified discussion on soil drainage should include some of the basic theories concerning the energy concept of soil water.

The book is well illustrated, and with only a few exceptions, the illustrations are fairly well up to date.

It is the feeling of this reviewer that the authors have made a contribution in attempting to compile a comprehensive book on the subject of agricultural drainage. In their attempt to "present a sound scientific treatment of drainage suitable as a text and as a reference guide for farmers and technical men in all phases of agriculture", they have maintained a simple, but sometimes inadequate, treatment of the subject.—O. W. Bidwell

MENTION

"The Accuracy of Soil Maps Prepared by Various Methods that Use Aerial Photograph Interpretation," article in PHOTOGRAMMETRIC ENGINEERING, 29:5 pp. 809-817 (1953), by James A. Pom-