
In this new text, designed for a one-semester course, the author has two goals: (1) to present the fundamental principles of plant physiology, and (2) to focus attention on the manner in which plant physiology affects everyday life. Other authors have found it difficult to attain the first objective in larger texts; the superficial treatment which many principles receive here is therefore unavoidable. Chapters three, four, and part of five present a hasty survey of the physics and chemistry considered pertinent to plant physiology. Sometimes a concept is spelled out in great detail, viz. p. 16 where rigorous proof is presented to convince the student that $95 \times 0.17 = 95 \times 17$.

More frequently, however, it is assumed that the student has a profound understanding of difficult concepts which are discussed in highly condensed fashion, viz. references to quantum theory and the law of photochemical equivalence in the chapter on photosynthesis. There are frequent digressions into general botany, history of biology, ecology, soil science, and economic botany. Teachers who like to include such digressions in lecture will find a store of them here. As a textbook of Plant Physiology it seems inadequate.

JACOB VERDUIN


This directory lists the names, in English and French with official abbreviations, addresses, and pertinent information concerning some 250 international scientific organizations.

F.W.F.


This bulletin includes a description of the sequence of rocks in Coshocton County, particularly with reference to their economic utilization. It includes a large, folded geologic map of the county. Copies may be obtained from the Div. of Geol. Survey, 106 Orton Hall, Ohio State University, Columbus 10, Ohio.

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