

- NORONHA, A., VICENTE, M., SILBERSCHMIDT, K.: Observações sobre a germinação de sementes de *Cucumis anguria* L. — Ci. Cult. **23** : 321—322, 1971.
- OKAGAMI, N., KAWAI, M.: Dormancy of *Dioscorea*. Gibberellin induced inhibition or promotion in seed germination of *D. tokoro* and *D. tenuipes* in relation to light quality. — Plant Physiol. **60** : 360—362, 1977.
- STADEN, J. VAN, WAREING, P. F.: The effect of light on endogenous cytokinins levels in seeds of *Rumex obtusifolius*. — Planta **104** : 126—133, 1972.
- TOOLE, V. K.: Light and temperature control of germination in *Agropyron smithii* seeds. — Plant Cell Physiol. **17** : 1263—1272, 1976.

BOOK REVIEWS

SCHÜTT, P., KOCH, W.: ALLGEMEINE BOTANIK FÜR FORSTWIRTE. Ein Leitfaden für Studium und Praxis. Pareys Studentexte 17. — Verlag Paul Parey, Hamburg—Berlin 1978. 265 pp. 165 figs., 7 tables. Softcover DM 39.—.

The textbook deals in a rather classical way with the basic information on most fields of general botany, comprising morphology, cytology, anatomy and histology, breeding secondary metabolism (written by J. Schuck) and physiology as well as ecophysiology. Special emphasis is put on processes and structures most significant for forest trees and most interesting for forest theory and practice. The book also yields the necessary biochemical and biophysical background to the processes which are necessarily discussed in more detail. In spite of its limited extent it provides a rich selection of knowledge and undoubtedly will serve as a well-balanced review and an indispensable source of ideas and explanations not only to foresters.

B. SLÁVÍK (*Praha*)

DODD, J. D.: COURSE BOOK IN GENERAL BOTANY. Illustrations by K. T. O'Sullivan and the author. — The Iowa State University Press, Ames, 1977. Pp. XXXIV + 259. \$ 15.00.

This book was written as a textbook for one term course of botany with the aim to stimulate student's interest in this subject but without overwhelming him with a mass of details.

The "Introduction" (page I—XXXIV) is intended only as a review for refreshing the knowledge of those students who had a considerable time lapse between taking course of general biology with lectures on plant cell and the onset of the present course of general botany. The following five chapters summarize basic knowledge on structure, development and functioning of different tissues and organs of green plants. The first chapter is devoted to leaf as a main organ of gas exchange between plant and surrounding atmosphere, the second chapters deals with plant tissues, their structures and development in different plant organs and plant types, the third chapter describes morphological variations of different plant organs. The fourth and fifth chapters deal with reproduction of lower and higher green plants, respectively. Chapter 6 is about green algae, and chapter 7 deals with the evolution of green plants. The next two chapters devoted to fungi and bacteria concentrate on pathogenic organisms. The last but one chapter deals with non-green algae as an important component of sea flora with a large primary production of organic matter and oxygen. Chapter 11 acquaints the students with the basis for classification of plant kingdom.

The book is very clearly written, contains many figures, photographs and tables and for this merit should be recommended to students who need basic knowledge of botany.

JARMILA SOLÁROVÁ (*Praha*)