

Hickey, M., King, C.: **The Cambridge Illustrated Glossary of Botanical Terms.** – Cambridge University Press, Cambridge 2000. ISBN 0 521 79080 8 or 0 521 79401 3 (paperback). GBP 52.50 (hard bound), GBP 18.95 (paperback).

Right and exact botanical terminology belongs the basic principles of not only scientific, but also all types of texts on the gardening and agricultural practice. The use of them is often not enough exact or even false. A good book helping to influence positively this situation is always welcome.

This publication represents a valuable source of information for anybody who intends to use right terms and precise one's own terminology. Authors respect all types of readers: side by side with a basic information about using simple lens in watching details of plant parts, there are exactly and precisely explained morphologic characters as well as taxonomic, physiological, and ecologic terms, from common to very specific ones.

The book can be looked at as a terminological manual

for students and professionals as well as for deeply interested amateur gardeners. First 12 pages include heading and didactically well selected basic graphical symbols used in botany, further selected general or numeric prefixes (amphi- or tri-, for instance) and important taxonomic and genetic suffixes (-ales, -ploid). This part includes also a survey of plant taxonomic ranks arranged in descending order.

The main glossary (over 2 400 terms) covers on 46 pages all mentioned directions of sciences concerning plants. To characterise morphologic terms and those where the words may not be sufficient, exact drawings on further 127 large format pages are added, divided into units according to form of plants parts or their function, as well as basic types of floral diagrams.

M. BLAŽEK (*Průhonice*)

Fernholz, L.T., Morgenthaler, S., Stahel, W. (ed.): **Statistics in Genetics and in the Environmental Sciences.** – Birkhäuser Verlag, Basel 2001. ISBN 3-7643-6575-7. 183 pp., SFR 98.00, DM 130.00, öS 949.00.

"Trends in Mathematics" is a series devoted to articles arising from lecture series and conferences dealing with various aspects of applied mathematics. This particular volume grew out of a workshop on statistics in the sciences (Monte Verità, Switzerland, 1999). The book consists of 12 separate scientific papers covering topics such as quantitative genetics, risk assesment of exposure to hazardeous materials, statistical modelling in atmospheric

chemistry, and many others. The book could serve as a source of information for statisticians who can find out what statistical methods are currently of interest in various branches of Life Sciences. On the other hand, the book will be less useful for researchers in genetics and environmetrics in general, as it requires rather high degree of expertise in probability and statistics.

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