

## BOOKS RECEIVED BY THE RIJKSHERBARIUM LIBRARY

T.E. Brandrud, H. Lindström, H. Marklund, J. Melot & S. Muskos. *Cortinarius Flora Photographica*, Vol. 3. (Cortinarius HB Svamp Konsult, Matfors, Sweden. 1994.) Pp. 37, 60 col. pls. Price: approx. DM 120 excl. postage.

The third volume of this Flora presents another set of 60 coloured plates and descriptions of *Cortinarius* in Europe. The text part contains an update taxonomic arrangement of the plates, Errata and addenda to vol. 1 and 2, references to literature, a glossary of terms, and a rather extensive parts devoted to nomenclature and typification of species and subspecific taxa as well as a reevaluation of sectional names. New taxa are validly published in an appendix, followed by references and an index to all three volumes. It is very satisfactory to see that the present series continues, and is able to maintain its very high standard.

M.J. Carlile & S.C. Watkinson. *The Fungi*. (Harcourt Brace Academic Press, Sidcup, Kent, UK. 1994.) Pp. 482, numerous illust. Price: £ 24.95.

The authors present with this textbook an overview of mycology for students and researchers. After an introduction, the authors give a concise overview of fungal diversity, in which they stick to a rather conservative classification of fungi, including also the cellular and plasmodial slime moulds, which, according to recent insights, better can be regarded as separate phyla or classes in the kingdom of protocista. Further chapters are devoted to fungal cells and vegetative growth, spore dormancy and dispersal, genetic variation and evolution, saprotrophs and ecosystems, parasites and mutualistic symbionts, fungi and biotechnology. Each chapter contains classified references. In an appendage the classification of the fungal kingdom is given.

R. Courtecuisse & B. Duhem. *Les Champignons de France. Guide encyclopédique*. (Ecléctis. 1994.) Pp. 448, 160 col. pls. Price: Ffr. 179 (pocket size), Ffr. 299 (A4 size).

This field guide is available in two different sizes: a pocket edition, that is handy to take into the field, and a large-sized edition, suitable for the library. All together 1751 species have been depicted on 160 coloured plates, mainly higher basidiomycetes (Agaricales and Gastromycetes) and a few Aphyllorphorales (30 spp.) and Ascomycetes (46 spp.). The illustrations are of high standard, and in many cases fairly representative for the species. One of the very good facets of this book is the relative completeness in many genera. For example, 164 species of *Russula* have been depicted, 100 *Lactarius*-species, 62 *Hygrocybe*-species etc. The species descriptions are short, and contain only the characteristic macroscopical features. Distribution data are given, as well as the red-list status of many species. The book also contains chapters on mycology, the system used, and extensive keys, in which not only the depicted species are treated, but in addition some 1300 other taxa, so the total number of species treated is around 3000. Unfortunately the keys use

macroscopical characters only, which inevitably makes identification difficult, if not impossible in many cases, and additional literature must be consulted. The species concept tends to be rather narrow, and in some cases several species are keyed out and depicted that according to recent monographs belong to one and the same taxon. Despite these small shortcomings, this field guide will prove to be one of the best available in the French language.

J. Ginns & M.N.L. Lefebvre. *Lignicolous Corticioid Fungi (Basidiomycota) of North America. Systematics, Distribution, and Ecology*. Mycological Memoir no. 19. (APS Press, St. Paul. USA. 1993.) Pp. 247. Price: US \$ 58.-.

This publication offers an extensive checklist of all corticioid fungi known from North America listed in alphabetical order according to genera. The nomenclature has been based on recent monographs. For each entry the accepted name is given, followed by the basionym, synonyms, distribution, hosts, ecology, culture characteristics and references. The introductory contains a table listing genera, families, and orders used in this work. With a remark from the authors that it still is an unstable system, due to continuing research in this fairly heterogeneous group of fungi. The list of references contains 659 entries. Two indexes, a genus species index and species index facilitate the use of this book, that is an indispensable reference guide for all workers in the group of fungi concerned.

G.S. de Hoog & J. Guarro (Eds.). *Atlas of clinical fungi*. (Centraalbureau voor Schimmelcultures, P.O. Box 273, 3740 AG Baarn, The Netherlands & Faculty of Medicine, University at Rovira i Virgili, Reus, Spain. 1995.) Pp. 720, numerous line-drawings and black-and-white photographs. Price: c. Dfl. 120.- excl. postage and handling.

The Atlas of clinical fungi is the result of a close cooperation between the Centraalbureau voor Schimmelcultures at Baarn, the Netherlands and the Medical Faculty of the University at Rovira i Virgili, Reus, Spain. It treats over 120 pathogenic fungi and 190 opportunistic fungi, including species causing animal mycoses. All taxa are described and illustrated with line-drawings and light and electron microscopic photographs. References to taxonomic and clinical literature is made and keys are provided to such groups as black yeasts, coelomycetes and pathogenic species of *Aspergillus*, *Fusarium*, *Penicillium*, and other genera. In addition, the atlas contains chapters on techniques of isolation, culture, and identification, and forms as such a complete manual for medical and veterinary fungi. It is highly recommended for all workers in these fields, as well as for teaching purposes. Order forms are available at the CBS.

S. Isaac, J.C. Frankland, R. Watling & A.J.S. Whalley (Eds.). *Aspects of tropical mycology*. (Cambridge University Press. 1993.) Pp. 324, numerous line-drawings, maps and black-and-white photographs. Price: £ 50.- (US \$ 89.95).

This publication contains the proceedings of a symposium held by the British Mycological Society at the University of Liverpool, April 1992. It is opened by an address by Prof.

E.J.H. Corner, entitled "I am part of what I have met", which is a most interesting introduction for the rest of the book, which brings together all major groups of fungi in the tropics, covering topics like ecology, taxonomy, experimental mycology, and industrial mycology. The bundle offers therefore a very important résumé of research done in the tropics, and will certainly stimulate those interested in this aspect of mycology.

W. Jülich (Ed.). *Colour atlas of Micromycetes, consignment one*. (Gustav Fischer Verlag, Stuttgart, Jena, New York. 1994.) Pp. 53, 112 col. pls. Price: DM 110.- (by continuation order on the whole series only).

This new series aims to give in the form of a loose-leaf edition in annual consignments of 100 pp. and 60 coloured plates a reference work for 'Micromycetes'. As such it claims to fill a gap in literature, since identification keys for this group of fungi are said to be widely available, but photographic illustrations of many taxa are seemingly lacking. This first part is devoted to a number of taxa in Myxomycetes, here considered to belong to the Micromycetes, which is disputable. The photographs are generally of good quality. Although in brackets the maker of the photographs is indicated, the editor fails to indicate reference to descriptions, material and literature, which makes the work less valuable than it claims to be. To the opinion of the reviewer, this kind of atlases only can be really valuable if the illustrations should refer to original descriptions and herbarium material *cq.* cultures, deposited in an official and accessible herbarium or culture collection. As such, the excellent publication of Neubert et al., 1993, discussed in *Persoonia* 15 (4) offers a much better reference book for Myxomycetes, combining excellent photography with keys, descriptions and references.

P.H. Kelderman. *Parasolzwammen van Zuid-Limburg, Nederland. Lepiota s.l. excl. Macrolepiota*. (Publicatiebureau Natuurhistorisch Genootschap van Zuid-Limburg, Groenstraat 106, 6074 EL Melick, The Netherlands. 1994.) Pp. 207, numerous line-drawings. Price: Dfl. 80.- incl. postage.

Mr Kelderman is an esteemed amateur mycologist, who is mainly working in the area of South Limburg, a region rich in Lepiotaceous fungi which grow in the sun-lit thermophilous forests on calcareous loam present in the area. Also the mining activities in the area created waste-heaps, which are now abandoned and partly covered with scattered trees, which provide habitats for rare species of *Lepiota* s.l. After the introductory chapters on the habitats and the methods used, 61 species, 6 varieties and 1 forma are treated in the genera *Lepiota*, *Melanophyllum*, *Cystolepiota*, *Sericeomyces*, *Leucocoprinus* and *Leucogagaricus*. All taxa are described in the form of lengthy descriptions and elaborate drawings of basidiocarps and relevant microscopical structures. Data are also given on ecology, distribution, and phenology. All species are keyed out in dichotomic keys, and at the end of the book distribution maps are given, a list of references, and an index to all treated taxa. The book is printed on recycled paper, which unfortunately lead to a poor reproduction of the beautifully designed illustrations. It is bound in hard-cover of good quality. Despite the Dutch language used, this book of high quality will certainly find its way in Europe to all (amateur) mycologists interested in this group of toadstools.

U. Kirschbaum & V. Wirth. *Flechten erkennen – Luftgüte bestimmen*. (Eugen Ulmer Verlag, Stuttgart. 1995.) Pp. 128, 74 col. figs., line-drawings and tables. Price: DM 19.80.

This guide to lichens is in fact an identification tool, with which the user is able to identify the epiphytic lichens used as bioindicators for mapping programs to estimate the degree of air pollution in certain areas. The booklet gives, after an introduction, chapters on the biology of lichens, methods for mapping lichens, collecting and identifying lichens, followed by identification keys and a descriptive part with very beautiful photographs of all taxa treated with descriptions and notes on ecology and sensibility for certain agents in the air. The book concludes with tables giving the colour reactions of all treated species with standard reagents.

M. Moser & W. Jülich. *Farbatlas der Basidiomyceten. Colour Atlas of Basidiomycetes, Lief. 12*. (Gustav Fischer Verlag, Stuttgart & New York. 1994.) Pp. 195, 60 pls. Price: DM. 92.-.

The twelfth issue of this loose-leaf atlas contains figures in colour of the genera *Polyporus*, *Boletus*, *Chroogomphus*, *Gomphidius*, *Hygrophoropsis*, *Leccinum*, *Tylopilus*, *Agaricus*, *Armillaria*, *Arrhenia*, *Camarophylloopsis*, *Camarophyllus*, *Campanella*, *Catathelasma*, *Clitocybe*, *Clitopilus*, *Conocybe*, *Coprinus*, *Cortinarius*, *Echinoderma*, *Entoloma*, *Fayodia*, *Haasiella*, *Hebeloma*, *Hygrocybe*, *Hygrophorus*, *Inocybe*, *Kuehneromyces*, *Laccaria*, *Lachnella*, *Lepiota*, *Leista*, *Leucoagaricus*, *Limacella*, *Lyophyllum*, *Macrolepiota*, *Marasmius*, *Mycena*, *Lactarius*, *Macowanites*, and *Russula*. The photographs are, as in all former issues of this rather useful series, of variable quality, some being very good, others rather poor.

R. Walleyn & J. Rammeloo. *The poisonous and useful fungi of Africa south of the Sahara*. (Scripta Botanica Belgica 10. 1994.) (National Botanic Garden of Belgium, Domein van Bouchout, B-1860 Meise.) Pp. 56. Price: BEF 370 postpaid.

This booklet is a compilation of literature on the toxicity, edibility, and miscellaneous uses by indigenous people, of the macrofungi in Africa south of the Sahara. As such it serves as a reference book and stimulant towards a better knowledge of poisonous African species and ethnomycology. Recommendations are given for future research, particularly considering the need of good revisions of important genera. The book contains two main parts, one treating the poisonous fungi, the second one useful fungi, including food, medicinal and religious purposes.

A. Zuccherelli. *I Funghi delle Pinete delle zone mediterranee*. (A. Longo, P.O. Box 431, 48100 Ravenna, Italy. 1994.) Pp. 377, 500 col. pls. Price: LIT 38,000.

This book, in the size of a field guide, offers an extensive source of information on the higher fungi that have been collected by the author and his collaborators during a ten-years period in the coastal pine forests of the Adriatic Sea near Ravenna. 500 species have been depicted in colour photographs of high quality, provided with short descriptions, all in Italian language. Many interesting Mediterranean taxa can be found in this book, which will therefore be of interest not only for those people living in the area, but also as a reference book for all mycologists interested in this group of fungi.