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G. W. Martin & C. J. Alexopoulos & M. L. Farr, *The genera of Myxomycetes*. (University of Iowa Press, Iowa City. 1983.) Pp. XI + 102, 41 Col. Pls. Price: US \$ 35.-.

The present work represents an abridged, updated version of the Martin & Alexopoulos monograph 'The Myxomycetes' of 1969, omitting all taxonomic information on sub-generic taxa of the text. The introductory chapters are supplemented by the results of investigations since 1969. In the taxonomic part three families and two genera, described as new since 1969, are accepted. The 41 coloured plates, representing 367 species of Myxomycetes, are the same as those of the monograph. Typography and binding are up to the same high standard.

S. Nilson (Editor) (Authors: A. Käärik, J. Keller, E. Kiffer, J. Perreau & O. Reisinger). *Atlas of airborne fungal spores in Europe*. (Springer Verlag, Heidelberg. 1983.) Pp. 139, 10 Text-figs., 87 Pls. Price: US \$ 55.20.

After a short introduction, dealing with methods, terminology and life cycles, the main part of this atlas consists of 87 plates with short descriptions of the spores or conidia illustrated. Each plate is devoted to a single species and shows at least a scanning electron micrograph (SEM), usually also a light micrograph, and in a few cases even a transmission electron micrograph (TEM) of a thin section or a carbon replica of airborne fungal spores or conidia. Many of the spores are illustrated here with SEM or TEM for the first time. The choice of species is such that the morphology and the ultrastructure of spores from most major taxonomic groups of fungi (incl. Myxomycota) are represented.

It is a valuable source of information for those who are studying the dispersal of fungal spores in the air, like airobiologists, phytopathologists, medical mycologists, or allergologists.

P. Heinemann & J. Rammeloo. *Gyrodontaceae p.o. (Boletineae)*. (Flore illustrée des champignons d'Afrique centrale 10. Jardin Botanique National de Belgique, Meise. 1983.) Pp. 26, 23 Text-figs., 1 Black and white Pl., 3 Col. Pls. Price: B. Frs. 550.-.

Another fascicle of this well-known illustrated flora of the fungi of central Africa, successor of the 'Flore iconographique des Champignons du Congo'.

Keys and full descriptions are given to the central African representatives of the Gyrodontaceae (minus *Phlebopus*, treated already in fascicle 7 of the same work), viz. *Gyrodon* (6 spp.), *Pseudogyrodon* (1 sp.), *Gyroporus* (3 spp.), *Rubinoboletus* (7 spp.), and *Setogyroporus* (1 sp.). Seven of the species included are pictured in colour; microscopic characters are illustrated in the text-figures, and on the black & white plate.

An English key to all central African members of the Gyrodontaceae is added.

W. Jülich. *Die Nichtblätterpilze, Gallertpilze und Bauchpilze. Aphyllophorales, Heterobasidiomycetes, Gastromycetes*. (Kleine Kryptogamenflora. Band IIb/1. Fischer Verlag: Stuttgart. 1984.) Pp. IX + 626, 175 Text-figs. Price: DM 88.-.

This flora covers the European taxa of Aphyllophorales, hymenomycetous Heterobasidiomycetes, and Gastromycetes. Keys to all genera and species are provided together with special, easier keys to the more common taxa of the larger or difficult genera. Macro- and microscopical characters are described. Additional information is given on the substrate, the type of woodrot, and the distribution of the fungi within Europe (using country codes).

The flora deals with almost 1600 species and includes furthermore about 2000 synonyms mainly based on European material. Relevant literature is cited in the general part and also under the genera. References to good illustrations of the species are included.