

Lichens

Lichens, An Illustrated Guide, second edition

dobson 43.75

by Frank Dobson

About 700 British lichens are included, with a description, notes on habitat and tolerance of pollution, results of spot tests, and a distribution map for each. Color photographs and line drawings of microscopic features accompany most descriptions. Also provided are an illustrated guide to the basic lichen forms and a tabulated guide to the genera of each form, key to species of each genus. 430 pages, 5 1/2 x 8 5/8, Richmond, 2001; new edition.

Lichen Biology

licbio 31.50

by Thomas H. Nash, III

This volume provides an up-to-date account of these fascinating organisms, beginning with anatomical, morphological, and physiological aspects. It emphasizes the ecophysiology of lichens and their role in carbon and nitrogen fixation, as well as in mineral cycling in general. It then provides an overview of lichen biogeography and systematics in the light of modern perspectives in evolution, and summarizes the chemistry of the unique secondary metabolites produced by lichens. Chapters on systematics, phylogeny, and classification and on Lichens as indicators of air pollution are included; 320 pages, 104 halftones, 45 line drawings, 15 tables, paper, Cambridge University Press, 1995.

Lichens of California

lichca 18.00

by Mason E. Hale, Jr. and Mariette Cole

The appearance, habitats, and ranges of over 350 species of lichens in California are included. Contains color illustrations of 48 species, with numerous other depicted in black and white. Also provides general comments on the structure, chemistry, and ecology of lichens, as well as range maps, glossary and bibliography; 254 pages, 43/4 x 8, color, b. & w. illus., U. California Press, 1989.

Lichens of North America.

lichna 69.75

by Irwin M. Brodo, Sylvia Duran Sharnoff, and Stephen Sharnoff, with selected drawings by Susan Laurie-Bourque. Foreword by Peter Raven

The book focuses on 805 foliose, fruticose, and crustose lichens (the latter rarely included in popular guidebooks) and presents information on another 700 species in the keys or notes; special attention is given to species endemic to North America. A comprehensive introduction discusses the biology, structure, uses, and ecological significance of lichens and is illustrated with 90 additional color photos and many line drawings. English names are provided for most species, and the book also includes a glossary that explains technical terms. 828 pp. 821 b/w + 927 color illus. Cloth. ISBN 08249-5 Yale University Press. 2001.

Macrolichens of the Northern Rocky Mountains

macrol 25.00

by Bruce McCune and Trevor Goward

The northern Rockies is one of the few regions remaining in the United States with a nearly intact lichen flora. As an area relatively untouched by air pollution, it offers one of the best opportunities to study effects of our degrading global air quality. Lichen studies are also useful in monitoring local changes in air quality. Furthermore, there is much to learn about the ecology of lichens in natural ecosystems, and our area provides more of these than any other area in the conterminous United States. As such it is imperative that we learn not only which species grow in the area, but something of their distribution and abundance. It is hoped that this manual will facilitate studies by both newcomers and old hands in lichenology, by providing an up-to-date, easy-to-use guide to the macrolichens; 208 pages, 6 x 9, MRP, 1995.

Macrolichens of the Pacific Northwest

lichpnw 29.75

by Bruce McCune and Linda Geiser, Photographs by Sylvia and Stephen Sharnoff, Drawings by Alexander Mikulin.

This spectacularly photographed guide includes keys to 458 species of lichens from Alaska to Mexico, and as far east as South Dakota. Descriptions, keys, habitat, range, substrate, sensitivity to air pollution, and an illustrated glossary make this an excellent introduction guide. 200 color photos, b/w illustrations, 386 pp, 5.5" x 8.5".

Oregon State University Press. 1997.

Niebla and Vermilacinia (Ramalinaceae) from California and Baja California. Sida, Botanical Miscellany Number 14.

niebla 51.00

by Richard W. Spjut.

This publication presents a detailed taxonomic treatment of 71 species in two related lichen genera of Ramalinaceae found along the Pacific Coast of North America. Many of the species are conspicuous among the landscape vegetation of the Pacific coastal deserts, constituting 70% or more of the ground cover in some areas, but also growing luxuriantly on shrubs and trees. Color photographs are presented for most species as seen in their natural habitat in Baja California, Mexico. The treatment includes an introduction on the history of the generic classification, climate, vegetation, and photogeography of the California regions, followed by a discussion of characters employed in taxonomic keys and descriptions; 225 pages, 7 x10, 4 maps, 52 illustrations, 126 b/w photographs, 60 color photographs, Paper, Botanical Research Institute of Texas, 1997.

Naturalists's Handbook Series: 19. Pollution monitoring with lichens

pollut 20.00

by D. H. S. Richardson

Paperback; Published by Richmond Publishing Company

Understanding Lichens

underl 24.75

by George Baron

Published in conjunction with The South London Botanical Institute and endorsed by the British Lichen Society, this fully comprehensive book takes the reader from the most basic description of what a lichen is through a complete description of the thallus (lichen body) including growth forms, reproduction and dispersal, lichen physiology, habitat and communities. It also covers amateur fieldwork, how to choose a microscope, the uses of lichens and a comprehensive guide to botanical classification of lichens from Kingdom down to form. There is a comprehensive bibliography and information on field courses and further study. There are specially written articles on 'Churchyard Lichens' by Tom Chester and 'Woodland and Parkland Lichens' by Jeremy Gray. The scientific editors are Frank S. Dobson and Jeremy Gray. 1999. 96 Pages, 5 3/4 x 8 1/4"; 49 b/w illustrations; 35 line drawings. Richmond Publishing Company.

Slime Molds

The Myxomycetes of Britain and Ireland: An Identification Handbook.

myxoei 70.75

by Bruce Ing

The introductory chapters cover life history, structure, ecology and distribution, how to find and collect material, bark culture techniques, microscopic examination and herbarium storage. The main section of the book is devoted to identification and includes keys, descriptions and illustrations showing the diagnostic features. In the account for each species are notes on differences from other species, reference to other published illustrations, comments on ecology and distribution and useful tips on collection and identification. No previous knowledge of the group is required and the book includes all those species of true myxomycetes, plus one ceratiomyxomycete and one acrasian, known to have occurred in Great Britain and Ireland. There are over 500 line illustrations, a useful bibliography and a comprehensive index. 1999. 394 pp. Richmond Publishing Company.