

## MORE BOOKS ABOUT NEW ZEALAND BOTANY

This list includes titles additional to those printed in C.B.S.J. 31, 1996, pp. 77-82. With few exceptions that are a bit more technical, the books are popular, and able to be used readily by learner botanists, as well as the more experienced. A great advantage of many modern books is that they are well-illustrated. Most that are listed here concentrate on the flora and plant identities. A few are about vegetation and one or two include information about both plants and animals. Almost all of the titles post-date 1960; some are out of print and only available at second hand bookshops.

We are most grateful to Dr Murray Parsons of Landcare Research, Lincoln, who provided lists of many of the books described here, in the form of handouts that are available in the CHR herbarium. Next year we hope to provide a list of the more technical books, including some important older floras. Books covering ethnobotany and economically important, or otherwise useful, plants of New Zealand will also be included.

The present list is organized alphabetically, according to the authors' names. O.P. = out of print.

**Adams, N.M.** 1980. *Wildflowers in New Zealand*. Reed, Wellington. O.P.

Attractive water-colour paintings of the more attractive adventive species in our flora. More than 60 species are figured.

**Adams, N.M.** 1994. *Seaweeds of New Zealand: An Illustrated Guide*. Canterbury University Press, Christchurch.

A fine handbook to these beautiful plants illustrated by the author's paintings, with brief descriptions. Up to her highest standards.

**Adams, N.M.** 1997. *Common Seaweeds of New Zealand*. Canterbury University Press, Christchurch.

An abbreviated version of the 1994 volume, very useful for those who want to know the species seen most frequently.

**Atkinson, I.A.E.** 1981. *Vegetation Map of Tongariro National Park, North Island, New Zealand 1: 50 000*. National Parks Scientific Series No. 4. N.Z.D.S.I.R., Wellington. O.P.

Probably the finest, most detailed vegetation map to appear in this country. Accompanied by vegetation descriptions and thumbnail sketches of ecology, geology. See also Clarkson (1986).

**Baird, A.** 1992. *An Overview of Botanical Information and Recommendations for the Management of the Freshwater Reaches of the Avon and Heathcote Rivers*. Canterbury Conservancy, Department of Conservation Technical Reports Series 5.

A useful summary of what can be done to improve the management of waterways with suggestions for native planting.

**Beever, J., Allison, K.W., Child, J.** 1992. *The Mosses of New Zealand*. University of Otago Press, Dunedin. 2nd Edn.

Jessica Beever has prepared an up-to-date edition of this very useful book, which is easy to use, has a good key, and covers 75 of the commoner species (and representatives of most genera). A further 98 species are listed.

**Bishop, O.** 1990. *Wild Flowers of New Zealand*. Hodder & Stoughton, Auckland.

More than 400 species are covered (mainly introduced, some native). Some groups are more fully covered than others. Abundant small colour photographs by Nic Bishop.

**Bishop, O., Bishop, A.** 1994. *New Zealand Wild Flowers Handbook*. Hodder & Stoughton, Auckland.

More than 200 species of mainly introduced herbs (and a few woody plants) are described and illustrated with colour photos. Arranged according to flower/inflorescence shapes.

**Burrows, C.J.** (Ed.) 1997. *Cass: History and Science in the Cass District, Canterbury, N.Z.* Department of Botany, University of Canterbury.

The 21 chapters, each by specialists in the various subjects, cover history, geology, geomorphology, climate, soils, many aspects of botany and ecology and zoology. There are checklists of flora and fauna and lists of theses and publications.

**Burrows, C.J.** 1986. Botany of Arthurs Pass National Park, South Island, New Zealand. 1. History of botanical studies and checklist of the vascular flora. *New Zealand Journal of Botany* 24, 9-68.

This exception to the rule that books are being listed is included as it is the nearest thing to the National Parks series books, for Arthurs Pass. See Clarkson (1986).

**Chapman, V.J., Bell, C.A.** 1967. *Rotorua and Waikato Water Weeds*. Department of University Extension, University of Auckland, 76 pp. O.P.

A useful book describing the nastier weeds of the Waikato hydro-electricity storage lakes.

**Chinnock, R.J.** 1987. *Common Ferns and Fern Allies in New Zealand*. Reed Methuen, Auckland.

Abbreviated from Heath & Chinnock's *Ferns and Fern Allies of New Zealand* (1974). A total of 59 species is illustrated and described.

**Clarkson, B.D.** 1986. *Vegetation of Egmont National Park*. Parks Scientific Series No. 5. Science Information Publishing Centre, D.S.I.R. Wellington. O.P.

This (and three other titles - see Mark 1977; Wardle 1979; Wilson 1976) provides a fairly short, but very informative account of the vegetation and ecology, and a floristic list. An excellent series. See also Atkinson 1981, Burrows 1986.

**Cockayne, L.** 1967. *New Zealand Plants and Their Story*. 4th (Revised) Edition. Edited by E.J. Godley, Government Printer, Wellington. O.P.

This classic book was reprinted 33 years after the death of its author. Dr Godley did a meticulous job of providing up-to-date names for plants, new footnotes and index and some new photographs, but the text was changed very little.

**Coffey, B.T., Clayton, J.S.** 1988. *New Zealand Water Plants*. MAFTech, Ruakura, Hamilton, 65 pp.

The plants are systematically described and the colour photographs are very attractive. Many underwater shots. Native and introduced species are covered and there are very useful keys, arranged according to habitat.

**Crowe, A.** 1992. *Which Native Tree?* Penguin Books (Viking), Auckland. 64 pp.

Covers 46 species of native trees and 2 shrubs. Has clear illustrations and simple but effective keys. This, and the next three titles are organized similarly. There is a northern bias but this series would be very useful to start beginner botanists on the flora.

**Crowe, A.** 1994. *Which Native Forest Plant?* Penguin Books (Viking), Auckland. Herbs, shrubs and vines are covered. See above.

**Crowe, A.** 1994. *Which Native Fern?* Penguin Books (Viking), Auckland. See above.

**Crowe, A.** 1995. *Which Coastal Plant?* Penguin Books (Viking), Auckland.

Both native and introduced plants are included. See above.

**Dawson, J.** 1988. *Forest Vines to Snow Tussocks*. Victoria University Press, Wellington, 264 pp.

The book addresses the special character of New Zealand plants in their particular habitats. It is full of interesting points about them.

**Dawson, J., Lucas, R.** 1993. *Lifestyles of New Zealand Forest Plants*. Victoria University Press, Wellington.

Many interesting details about forest plants are discussed. The illustrations are clear and beautiful colour photographs.

**Dawson, J., Lucas, R.** 1996. *New Zealand Coast and Mountain Plants; Their Communities and Lifestyles*. Victoria University Press, Wellington.

Detailed treatment of some special habitats on the coasts and in the mountains, with attractive colour photos. Ranges from the Three Kings Is., to Chatham Is. and Subantarctic Is., as well as North and South Island mountains.

**Gaddum, M.** 1997. *New Zealand Plant Finder: where to Find Over 22,000 Plants*. David Bateman, Auckland.

Organized alphabetically, by generic name, this useful book covers mainly exotic garden cultivars and some native species, with reference to the nurseries where they can be obtained.

**Galloway, D.J.** 1992. *Checklist of New Zealand Lichens*. Department of Scientific and Industrial Research Land Resources Scientific Report No. 26, 1-58.

A full listing of the lichens, including name changes and new taxa up to that date.

**Healy, A.J.** (compiler) 1984. *Standard Common Names for Weeds in New Zealand*. New Zealand Weed and Pest Control Society, Hastings, New Zealand. 207 pp. (2nd, revised edition). O.P.

This list is very useful for all field botanists. It covers wild introduced plants, including those of field, fruit and vegetable crops. A few native plants are among those regarded as weeds.

**Horn, P.E., Hill, G.D.** 1984. *Notes for Plant Collectors*. Plant Science Department, Lincoln College, Canterbury (4th edn). 254 pp. O.P.

A detailed guide on how to handle and process plant specimens including mounting.

**Johnson, P.** 1986. *Wildflowers of Central Otago*. John McIndoe, Dunedin. O.P.

The plants of the Central Otago countryside, native and introduced, are well-described and depicted by colour photographs.

**Johnson, P.** 1997. *Pick of the Bunch: New Zealand Wildflowers*. Longacre Press, Dunedin. 184 pp.

A very nice book, attractively illustrated by colour photographs. It is a mix of native and introduced plants in family or habitat groups, ordered by the author's whimsy, with personal stories, spread throughout the country (with a bias towards the far south).

**Kelly, G.C.** 1972. *Scenic Reserves of Canterbury*. Biological Survey of Reserves, Report 2. Botany Division, D.S.I.R. O.P.

This description of Canterbury's 79 scenic reserves is a valuable account of the then status quo, with full species lists. Similar volumes are available now for most other regions.

**Lambrechtsen, N.C.** 1986. *What Grass is That?* N.Z.D.S.I.R. Information Series No. 86. Government Printer, Wellington. 3rd edition. O.P.

Introduced grasses (57 species) are covered with clear line drawings, descriptions and a key based on vegetative characters. A very good book.

**McCombs, K.** 1993. *Vegetation of Horseshoe Lake Reserve*. Drainage and Waste Unit/Parks Unit Christchurch City Council.

This is a vegetation description, with recommendations about management to improve the lot of the interesting wetland plants of the area.

**MacMillan, B.H.** 1996. *Checklist of Mosses of Banks Peninsula, New Zealand*. Landcare Research Science Series No. 17, 80 pp.

A very useful compilation for those interested in the local mosses.

**Malcolm, B., Malcolm, N.** 1988. *New Zealand's Alpine Plants Inside and Out*. Craig Potton, Nelson.

The main forte of this book is the host of very beautiful photographs showing flower detail and some habit shots, but also internal details, mostly of flowering plants (and a few lichens).

**Malcolm, W.M., Galloway, D.J.** 1997. *New Zealand Lichens: Checklist, Key, and Glossary*. Museum of New Zealand: Te Papa Tongarewa, Wellington.

This is a very fine book, with great photographs (colour and black and white) and line drawings. It will make identification of our lichens possible for all who persevere. Not for beginners, though. The organization is excellent and the amount of detailed information conveyed quite outstanding.

**Mark, A.F.** 1977. *Mount Aspiring National Park*. National Parks Authority, Scientific Series No. 2. Department of Lands & Survey, Wellington. O.P.

See Clarkson (1986).

**Metcalf, L.** 1998. *The Cultivation of New Zealand Native Grasses*. Godwit Publishing, Auckland.

Describes the propagation and use of over 100 species and cultivars of grasses, sedges, rushes, restiads and raupo. Most are native but a few are exotic.

**Molloy, B.** (Ed.) 1995. *Riccarton Bush: Putaringamotu*. Riccarton Bush Trust, Christchurch.

The 23 chapters (each written by an expert on the subject) cover very fully a wide range of subjects: history, many aspects of the physical environment, botany, zoology and management of the reserve. This is a very important book. Few areas in the country have received such an intensive investigation.

**Moore, L.B., Adams, N.M.** 1969. *Plants of the New Zealand Coast*. Paul's Book Arcade, Auckland. O.P.

A reprint of this very useful account. Includes some seaweeds, lichens, ferns and introduced conifers, but is mainly about the flowering plants, native and introduced. Excellent line drawings.

**Newhook, F.** 1982. *Our Trees: A New Zealand Guide*. (Paintings by Elaine Power). David Bateman, Auckland. O.P.

Superb illustrations make this a very attractive book. Many of the more northern species as well as the main species of our own region (33 species altogether) are covered.

**Newsome, P.F.J.** 1987. *The Vegetative Cover of New Zealand*. National Water and Soil Conservation Authority Miscellaneous Publication No. 112, 2 map sheets, 153 pp. O.P.

A very useful, brief account of New Zealand's vegetation.

**Nicol, E.R.** 1997. *Common Names of Plants in New Zealand*. Landcare Research, Lincoln 114 pp.

An extensive and very useful list for native, introduced adventive and cultivar seed plants. The guide contains a table with alphabetically arranged common names and corresponding scientific names and a second table with scientific names and corresponding common names.

**Parkinson, B., Cox, G.** 1990. *A Field Guide to New Zealand's Lakes and Rivers*. Random Century, Auckland. 176 pp.

This little book is really about the fresh water aquatic ecosystems and has lovely paintings of the organisms (plants and animals).

**Poole, A.L.** 1987. *Southern Beeches*. Department of Scientific and Industrial Research Information Series No. 162, 148 pp.

An interesting account of many aspects of beech biology.

**Porteous, T.** 1993. *Native Forest Restoration*. Queen Elizabeth II National Trust, Wellington.

A very useful book about all aspects of this increasingly popular activity. Has chapters on management, animal and weed control, revegetation principles, plant sources, propagation, site preparation and information on dealing with specific kinds of site. Full of excellent advice.

**St Barbe Baker, R.** 1965. *Famous Trees of New Zealand*. A.H. & A.W. Reed, Wellington. O.P.

An oldish book with detailed text and black and white photographs of good specimens of many native and introduced tree species.

**St George, I., Irwin, B., Hatch, D.** 1996. *Field Guide to the New Zealand Orchids*. New Zealand Native Orchid Group, Wellington. 122 pp.

Identification is made easier by finely done pencil drawings. Small maps show distributions and the approximately 118 species of native orchids are checklisted.

**Salmon, J.T.** 1991. *Native New Zealand Flowering Plants*. Reed, Wellington, 254 pp.

A reworking of earlier-published material, with the usual good colour pictures.

**Smith-Dodsworth, J.C.** 1991. *New Zealand Native Shrubs and Climbers*. David Bateman, Auckland, 104 pp.

The book is very well illustrated with colour and black and white photographs which depict details of habit, fruit and flowers. A really good coverage of the group.

**Stephenson, G.** 1986. *Wetlands: Discovering New Zealand's Shy Places*. Government Printer, Wellington, 117 pp. O.P.

A good account of wetland habitats, with plants and animals covered.

**Stewart, K.** 1998. *Handguide to Native Trees of New Zealand*. Collins, Auckland. 7th reprint of 1984 edition.

Clear colour photos illustrate many trees and some shrubs. Handy size.

**Sykes, W.R.** 1991. (Revised 1994). *Poisonous Plants 1. Plants in the North Island Poisonous to Children. Poisonous Plants 2. Plants in the South Island Poisonous to Children*. Landcare Research, Lincoln.

Valuable coverages of the plants which could endanger children (and adults).

**Taylor, R.L.** 1980. *Weeds of Crops and Gardens in New Zealand*. Published by the Author, Nelson, 128 pp. O.P.

This and the next three titles are good little books which cover most weeds that we are likely to encounter. Photographically illustrated and seedlings are depicted for most species. The indices are at the front of the books.

**Taylor, R.L.** 1981. *Weeds of Lawns, Pasture and Lucerne in New Zealand*. Published by the Author, Nelson, 136 pp. O.P.

**Taylor, R.L.** 1981. *Weeds of Ponds and Streams in New Zealand*. Published by the Author, Nelson, 32 pp. O.P.

**Taylor, R.L.** 1981. *Weeds of Roadside and Waste Ground in New Zealand*. Published by the Author, Nelson, 176 pp. O.P.

**Upritchard, E.A.** (Compiler) 1997. *A Guide to the Identification of New Zealand Common Weeds in Colour*. New Zealand Weed and Pest Control Society, Hastings, 127 pp. Reprint of 1985 edition.

Brief text organized by habitat, but full array of colour photos of adults (and seedlings of many) for 435 species. A really good book.

**Various Authors** 1979. *New Zealand Trees: Conifers*. Collins Nature Heritage Series, Auckland. O.P.

Each of the main gymnosperm tree species is described, with many interesting details, and plenty of colour photographs.

**Van der Mast, S., Hobbs, J.** 1998. *Ferns for New Zealand Gardens*. Godwit Publishing, Auckland.

A pleasant book with advice on propagation and maintenance of ferns in garden settings. 100 colour photos. Most of the plants covered are natives, but a few are exotic.

**Wall, A.** 1953. *The Botany of Christchurch*. A.H. & A.W. Reed., Wellington. O.P.

This revised edition of a classic little book is about the nooks and crannies for finding native plants near Christchurch. Some locations and plants, alas, are now gone. A good means of comparing notes between then and now.

**Webb, C., Johnson, P., Sykes, B.** 1990. *Flowering Plants of New Zealand*. Department of Scientific and Industrial Research, Botany Division, Christchurch. 146 pp.

This volume covers the representatives of most of New Zealand's flowering plant families in an interesting and informative way. It is beautifully illustrated with colour photographs.

**Wilson, C.M., Given, D.R.** 1989. *Threatened Plants of New Zealand*. D.S.I.R. Publishing, Wellington.

As well as good illustrations, this account includes full, informative descriptions of the plants and the plight they are in. A very good reference for 97 species.

**Wilson, H.D.** 1976. *Vegetation of Mount Cook National Park*. National Parks Authority Scientific Series No. 1. Department of Lands & Survey, Wellington. (See Clarkson 1986) O.P.

**Wilson, H.D.** 1987. *Vegetation of Stewart Island New Zealand*. Department of Scientific and Industrial Research, Wellington, 131 pp.

Stewart Island's vegetation is carefully and fully described. Many fascinating details.