



Australian National
Botanic Gardens

LIBRARY CONNECT

Supporting the ANBG's vision to inspire, inform and connect people to the Australian flora.

March 2022.

Hi all,

This month's Library Connect has the usual listing of new books and an extremely brief survey (just the one question!). If you would like to offer your thoughts on electronic books, or to borrow any of the new books, please [contact the library](#).

The library is staffed Mon - Fri 9.30-4.30, but there are still restrictions on visitor numbers and, as the COVID situation is always evolving, please call or email before visiting. And don't forget your mask! If you're not on site, I can be contacted by email or Teams if you need assistance.

The "click and collect" boxes in the Visitor Centre are still available for returning items, and I'm very happy to leave items there for collection if that's easier than visiting the library.

Thank you,
Alex

Alex Petrie

Librarian, Australian National Botanic Gardens Library
Parks Australia

Department of Agriculture, Water, and the Environment

PO Box 1777, CANBERRA, ACT 2601

T: 02 6250 9480 | W: <https://www.anbg.gov.au/>

E: ANBG.Library@environment.gov.au



Electronic books – ‘Yes’, ‘No’, ‘It depends...’

There are numerous advantages to electronic resources, especially with many of us working in the field or from home. But they aren't always as easy to use for particular tasks and many of our resources aren't available online.

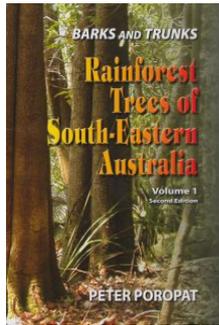
In cases where eBooks are available on a stable platform, would you use them? Or would a print copy be preferable?

Let me know your thoughts and requirements and I'll take them into account when purchasing an item that is also available electronically.

Just [send me an email](#) or give me a call if you would like to discuss or know more about the options.

New books

 <p>Plant Germplasm Conservation in Australia strategies and guidelines for developing, managing and utilising ex situ collections in Australia Third Edition</p>	<p><u>Plant germplasm conservation in Australia : strategies and guidelines for developing, managing and utilising ex situ collections / editors, Amelia J. Martyn Yenson et al.</u></p> <p>Canberra : Australian Network for Plant Conservation Inc, 2021 Third edition ISBN: 9780975219140; 9780975219188</p> <p><i>“This joint publication by the ANPC and the Australian Seed Bank Partnership is the third edition of this practical, science-based handbook for ex situ (off site) conservation of plant genetic material (germplasm).”</i></p> <p>Shelf no. 631.5230994 PLA Online : https://www.anpc.asn.au/wp-content/uploads/2021/09/GermplasmGuidelinesThirdEdition_FINAL_210902.pdf</p>
--	---



Barks and trunks : rainforest trees of south-eastern Australia, volume 1 / Peter Poropat.

[Goonellabah, NSW] : Dragonwick, 2020

Second edition.

ISBN: 9780648679912

“Due to the large number of rainforest tree species, this revised first volume will help identify mature rainforest trees by their bark and trunk and records these trees in their natural environment for their identity, natural heritage, and value.

These trees were photographed by the author in rain forests of Victoria, Illawarra, Dorrigo, around the border regions of northern New South Wales, and rainforests west of Brisbane and the Gold Coast.

The photographs in the books will give the reader a closer appreciation of the different bark types, colourations, textures, trunk shapes, and an overall understanding of old-growth rainforest trees.”

Shelf no. **582.167340994 POR**



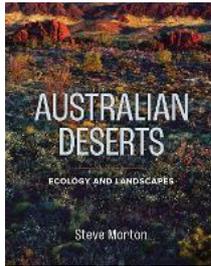
Country : future fire, future farming / Bill Gammage & Bruce Pascoe ; [introduction by Margo Neale].

Port Melbourne, VIC : Thames & Hudson Australia, 2021

ISBN: 9781760761554

“For millennia, Indigenous Australians harvested this continent in ways that can offer contemporary environmental and economic solutions. Bill Gammage and Bruce Pascoe demonstrate how Aboriginal people cultivated the land through manipulation of water flows, vegetation, and firestick practice. Not solely hunters and gatherers, the First Australians also farmed and stored food. They employed complex seasonal fire programs that protected Country and animals alike. In doing so, they avoided the killer fires that we fear today. ‘Country: Future Fire, Future Farming’ highlights the consequences of ignoring this deep history and living in unsustainable ways. It details the remarkable agricultural and land-care techniques of First Nations peoples and shows how such practices are needed now more than ever.”

Shelf no. **333.730994 GAM**



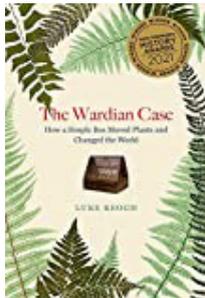
[Australian deserts : ecology and landscapes / Steve Morton.](#)

Clayton South, VIC : CSIRO Publishing, 2022

ISBN: 9781486305995

"Steve Morton brings his extensive first-hand knowledge and experience of arid Australia to this book, explaining how Australian deserts work ecologically. This book outlines why unpredictable rainfall and paucity of soil nutrients underpin the nature of desert ecosystems, while also describing how plants and animals came to be desert dwellers through evolutionary time. It shows how plants use uncertain rainfall to provide for persistence of their populations, alongside outlines of the dominant animals of the deserts and explanations of the features that help them succeed in the face of aridity and uncertainty. Richly illustrated with the photographs of Mike Gillam, this fascinating and accessible book will enhance your understanding of the nature of arid Australia."

Shelf no. **577.540994 MOR**



[The Wardian case : how a simple box moved plants and changed the world / Luke Keogh.](#)

Chicago, IL : University of Chicago Press, 2020

ISBN: 9781842467190 (hardback)

"In 1829, surgeon and amateur naturalist Nathaniel Bagshaw Ward discovered that plants enclosed in airtight glass cases could survive for long periods without watering. After four years of growing plants under glass in his London home, Ward created traveling glazed cases that he hoped would be able to transport plants around the world. After a test run from London to Sydney, Ward was proven correct and the Wardian case was born. It is easy to forget in our technologically advanced and globalized world, but prior to the invention of the case it was extremely difficult to transfer plants around the globe, as they often died from mishandling, cold weather, or salt from the ocean. In this enthralling book, Luke Keogh takes us around the world and through history with the Wardian case. He shows that this revolution in the movement of plants transformed the world, impacting the commercial nursery trade, late nineteenth century imperialism, and the global environment. The repercussions of this revolution are still with us today."

Shelf no. **635.98 KEO**



Lantern Bushes of Australia:
Thomasias & Allied Genera
A Field and Horticultural Guide
By Trevor L. Blake



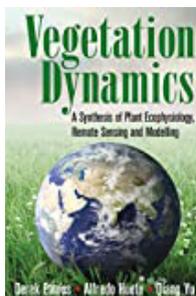
Lantern bushes of Australia ; Thomasias & allied genera : a field and horticultural guide / by Trevor Blake. Edited by Jane Canaway. Illustrated by Trevor Blake.

Maribyrnong, Vic : APS, Keilor Plains Inc., 2021
ISBN: 9780646839301

"A field and horticultural guide to several genera in the plant family Malvaceae, tribe Lasiopetaleae: Androcalva, Commersonia, Guichenotia, Lasiopetalum, Lysiosepalum, Seringia and Thomasia."

"This is a major work on a group of intriguing plants that are often overlooked, highly undervalued and poorly known even by Australian plant enthusiasts. A number of species have a precarious future in the wild, with ensuing climate change and other threatening situations. Many have much to offer for cultivation as there are many jewels for us to enjoy. This is the first publication to cover this group of Australian plants in such detail." -- Roger Elliot AM.

Shelf no. **583.6850994 BLA**



Vegetation dynamics : a synthesis of plant ecophysiology, remote sensing and modelling / Derek Eamus, Alfredo Huete, Qiang Yu.

New York, NY; Cambridge University Press, 2016
ISBN: 9781107054202

"Understanding ecosystem structure and function requires familiarity with the techniques, knowledge and concepts of the three disciplines of plant physiology, remote sensing and modelling. This is the first textbook to provide the fundamentals of these three domains in a single volume. It then applies cross-disciplinary insights to multiple case studies in vegetation and landscape science. A key feature of these case studies is an examination of relationships among climate, vegetation structure and vegetation function, to address fundamental research questions. This book is for advanced students and researchers who need to understand and apply knowledge from the disciplines of plant physiology, remote sensing and modelling. It allows readers to integrate and synthesise knowledge to produce a holistic understanding of the structure, function and behaviour of forests, woodlands and grasslands."

Shelf no. **581.7 EAM**



SAFER GARDENS
PLANT FLAMMABILITY & PLANNING FOR FIRE
LESLEY CORBETT



A Field Guide to the
**Eremophilas of
Western Australia**
REVISED SECOND EDITION
Andrew Brown and Bevan Buirchell

[Safer gardens : plant flammability & planning for fire / Lesley Corbett.](#)

North Melbourne, Vic. : Australian Scholarly Publishing, 2021

ISBN: 9781922454607

“Destructive bushfires are increasing in frequency and intensity around the world. For people living in fire prone areas there are no reliable guides about which plants have low flammability and which are frighteningly flammable. 'Safer Gardens' is that guide, with over 500 plants assessed, based on fire research from around the world. Readers can look up a plant in the Plant Flammability Table to get an idea of its flammability then turn to the A-Z for more detailed information.”

Shelf no. **634.96180994 COR**

[A field guide to the Eremophilas of Western Australia / Andrew Brown and Bevan Buirchell.](#)

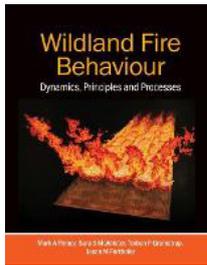
[Perth, W.A.] : Andrew Brown, 2021

Revised 2nd edition

ISBN: 9780646837741

“Eremophila species abound on desolate rocky hills, open spinifex plains, sparse woodlands, barren dry watercourses, and inland sand dunes that stretch to the horizon, where the only signs of human habitation are occasional fence lines, rusted remains of vehicles or rough winding tracks that meander into the distance. Aptly, their generic name, when translated, means “lover of lonely or desert places”. This edition is a completely revised and updated field guide to the genus. It incorporates 33 new species and 160 new photographs and remains a stunning book and a valuable companion in the field and garden.”

Shelf no. **583.9509941 BRO**



Wildland fire behaviour : dynamics, principles and processes / Mark A Finney, Sara S McAllister, Torben P Grumstrup, Jason M Fortthofer.

Clayton South, VIC : CSIRO Publishing, 2021

ISBN: 9781486309092; 9781486309108; 9781486309085

“Wildland fires have an irreplaceable role in sustaining many of our forests, shrublands and grasslands. They can be used as controlled burns or occur as free-burning wildfires, and can sometimes be dangerous and destructive to fauna, human communities, and natural resources. Through scientific understanding of their behaviour, we can develop the tools to reliably use and manage fires across landscapes in ways that are compatible with the constraints of modern society while benefiting the ecosystems. The science of wildland fire is incomplete, however. Even the simplest fire behaviours - how fast they spread, how long they burn and how large they get - arise from a dynamical system of physical processes interacting in unexplored ways with heterogeneous biological, ecological, and meteorological factors across many scales of time and space. The physics of heat transfer, combustion, and ignition, for example, operate in all fires at millimetre and millisecond scales but wildfires can become conflagrations that burn for months and exceed millions of hectares. ‘Wildland Fire Behaviour: Dynamics, Principles and Processes’ examines what is known and unknown about wildfire behaviours.”

Shelf no. **577.24 FIN**