



Australian National
Botanic Gardens

LIBRARY CONNECT

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

Feb 2023.

Hi all,

This month's Library Connect has the usual listing of new books, a video of a tiny, wooden device designed to plant seeds in remote locations, and a reminder to return all completed field notebooks.

The library is staffed Mon - Fri 9.30 - 4.30 and I can also be contacted by email, phone 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

Ngunnawal Country, GPO Box 1777, CANBERRA, ACT 2601

Department of Climate Change, Energy, the Environment and Water

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Lasiopetalum behrii
Photo sbrogers

Nature Video

15 February 2023

'This device corkscrews itself into the ground like a seed. Inspired by nature, this little wooden 'robot' has been designed to bury itself.'
Shamini Bundell

'A tiny, coiled wooden device harnesses the natural properties of wood to plant seeds efficiently and sustainably. An aircraft could drop the seed carriers into remote areas to regenerate the land. When the robot is exposed to rainfall, the wood cells swell in different amounts, unwinding the coil and burying the device — and the seed it carries — into the soil.'

<https://www.nature.com/articles/d41586-023-00472-9>

Read the paper: <https://www.nature.com/articles/s41586-022-05656-3>

Read a News & Views article about this research: <https://www.nature.com/articles/d41586-023-00396-4>

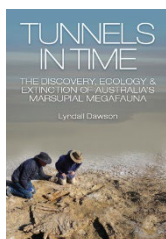
Please return completed field notebooks

The field notebooks are an important part of the Gardens' archive and an extremely useful resource for many people who work in our collections. If you have a completed field book that has been fully databased, please return it to the library for accessioning and archiving. Also, if there are any field books in your work area belonging to colleagues who have left or moved elsewhere, please send them down as well.

If you are still using a particular book, then of course do hang on to it!

Just [send me an email](#) or give me a call if you have any queries.

New books



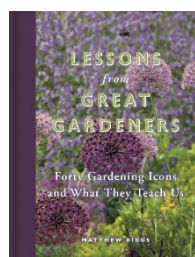
[Tunnels in time : the discovery, ecology & extinction of Australia's marsupial megafauna / Lyndall Dawson.](#)

Austinmer, NSW : Lyndall Dawson, 2020

ISBN: 9780646817378

"Tunnels in time tells the story of fossil bones of giant animals found in caves, lake beds and riverbanks across Australia. These bones fascinated 'natural philosophers' of the past and continue to stimulate intense scientific debate today. Inevitably, it is a story of extinctions, first of a vibrant rainforest fauna that existed 10 million years ago, then of the more recent demise of the megafauna, the giant herbivores and carnivores that roamed this land during the Pleistocene era. For the first time this book brings together 200 years of fiery debate and research seeking the cause of those extinctions. It tells of how 20 million years of changing climates and then arrival of Aboriginal people impacted on ecosystems in Australia, the 'different' continent. Past and current research is explained with as little technical language as possible and brought to life with anecdotes and stories. Change is, and always has been, part of nature. We humans are now the cause of unusually rapid environmental change. The insight gained from deep time provides a framework for the thinking and action of people who care for, appreciate and enjoy the Australian natural environment" -- Back cover.

Shelf no. 569.20994 DAW


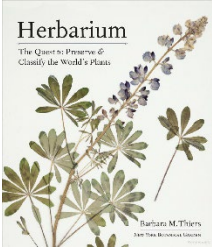



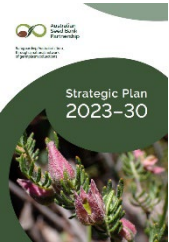
[Lesson from great gardeners : forty gardening icons and what they teach us / Matthew Biggs.](#)

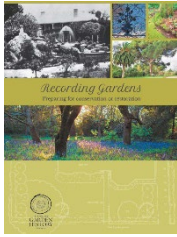
Chatswood, NSW : Exisle Publishing, 2015

ISBN: 9781921966927

"Since its earliest days, the art and science of gardening has been continually transformed and enhanced by great gardeners - men and women whose passion for gardening has driven them to improve and innovate, to overcome challenges and experiment with new ideas. These gardeners have provided inspiration for future generations, as have their gardens, which attract millions of visitors every year. Lessons from Great Gardeners profiles forty of these remarkable figures and explores how their work can be used to inspire and instruct gardeners of all levels and abilities. From the greats of yesteryear to the best modern-day practitioners, the gardeners are drawn from throughout history and from

	<p><i>around the world. The stories of their life and work are revealed, along with practical hints and tips that unlock the secrets gained from their long years of trial and error. With beautiful botanical illustrations of the gardeners' signature plants and stunning photographs of iconic gardens, this fascinating book is a source of inspiration and ideas for all gardeners, great and small." -- Back cover.</i></p> <p>Shelf no. 635.0922 BIG</p>
	<p><u>British wild flowers / by Mrs. Loudon.</u></p> <p>London : James Nelson & Co., Paternoster Row, 1859 Edition: Third edition Donated by Betty & Don Wood, August 2022</p> <p><i>"The present work has been undertaken in consequence of its being suggested to me that selection of British Wild Flowers, in one volume, on the same plan as my Ladies' Flower Garden, would be useful to those who have neither time nor opportunity to consult the larger works on the subject. In order to confine myself within the necessary limits, I shall take only the most ornamental plants, and I shall not figure any flowers that are common in gardens. My object is to enable any amateur who may find a pretty flower growing wild to ascertain its name and some particulars respecting it; and, in addition to these details, I have ventured to add a few semarks [remarks] on the botanical construction of most of the plants, in the hope of inducing such of my readers as may be unacquainted with botany to study a charming science, which has hitherto been too much neglected." -- Introduction.</i></p> <p>Shelf no. Rare 582.130941 LOU [not for loan]</p>
	<p><u>Herbarium : the quest to preserve and classify the world's plants / Barbara M. Thiers.</u></p> <p>Portland, Oregon : Timber Press, 2020 ISBN: 9781604699302</p> <p><i>"A treasury like no other. Renaissance scholar Luca Ghini likely created the first one. Lewis and Clark, James Cook, Charles Darwin, and George Washington Carver all contributed to them. Today they number more than 3,300, spread across 178 countries. They are the repositories holding preserved specimens of our world's plants, fungi, and other organisms -- each collection known as an herbarium. Together, the world's herbaria house nearly 390 million examples of what grows on planet Earth. In Herbarium, Barbara M. Thiers shares the intriguing and often dramatic accounts of how these collections came to be, the important role they</i></p>

	<p><i>have played through history, and the painstaking lengths both gatherers and botanists have gone to in the name of plant archiving. Thiers also argues passionately for the preservation of herbaria and for their essential function in protecting plant life for future generations." -- Back cover.</i></p> <p>Shelf no. 580.74 THI</p>
	<p><u>2021-22 annual report : safeguarding Australia's flora, through a national network of germplasm collections / Australian Seed Bank Partnership.</u></p> <p>Canberra : CHABG, 2022</p> <p><i>"The Australian Seed Bank Partnership's most recent annual report outlines the year's achievements in identifying priority species and undertaking extensive field work and sharing our knowledge to secure new and genetically diverse collections for seed banks across Australia." – ASBP website.</i></p> <p>Shelf no: Archive – ASBP</p> <p>Online access: https://www.seedpartnership.org.au/about-us/strategies-and-reports/</p>
	<p><u>Strategic plan 2023-30 [electronic resource] : safeguarding Australia's flora, through a national network of germplasm collections / Australian Seed Bank Partnership.</u></p> <p>Canberra : ASBP, 2023</p> <p><i>"Our vision is a future where Australia's native plant diversity is valued, understood and conserved for the benefit of all. Our strategic focus is to deliver a national effort that contributes to the conservation of Australia's native plant diversity through collaborative and sustainable seed and germplasm collecting, banking and use, research, and knowledge sharing." -- Vision and strategic focus.</i></p> <p>Online access: https://www.seedpartnership.org.au/about-us/strategies-and-reports/</p>



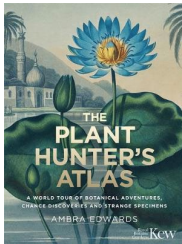
[Recording gardens : preparing for conservation or restoration / Australian Garden History Society.](#)

Canberra : Australian Garden History Society, 2018

ISBN: 978064393511

"A useful and practical guide to drawing an existing garden of historical significance (or a new garden that so far exists only in the gardener's imagination). The book aims to explain the art of recording a garden in straightforward, step-by-step terms. It includes not only how to measure and draw the outline of an existing garden but also how to record its man-made and natural features. Further, it provides tips on noting the plants that are grown in the garden, soil type, orientation and other influences such as climate and features that lie over the garden wall." -- Introduction.

Shelf no. **712.60723 REC**



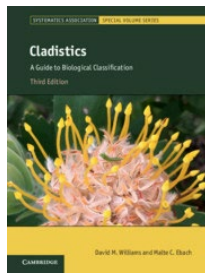
[The plant hunter's atlas : a world tour of botanical adventures, chance discoveries and strange specimens / Ambra Edwards.](#)

London : Greenfinch, 2021

ISBN: 9781529410112

"The Plant Hunter's Atlas is a lavishly illustrated volume telling some of the most extraordinary tales of horticultural discovery and exploring the characters behind the stories. Taking in the world's inhabited continents and spanning the centuries, the stories range from tales of derring-do in the age of discovery to modern-day botanists working at the cutting-edge of science. The text explores how plant hunters have been inspired by everything from scientific curiosity to economic greed, and their own ingrained sense of adventure. Each entry is illustrated with botanical artwork from the Royal Botanical Gardens, Kew's unrivalled collection of historical illustrations. Among the plant hunters included are: Sir Joseph Banks, Charles Darwin, David Douglas, Reginald Farrer, George Forrest, Robert Fortune, Tadea Haenke, Tom Hart Dyke, Alexander von Humboldt, the Lobb brothers, John Sibthorp and Ernest Henry Wilson." -- Publisher's description.

Shelf no. **580.9 EDW**



[Cladistics : a guide to biological classification /](#) [David M. Williams, Malte C. Ebach.](#)

Series: The Systematics Association special volume ; 88

Publisher: Cambridge : Cambridge University Press, 2020

Third edition

ISBN: 9781107400412

"This new edition of a foundational text presents a contemporary review of cladistics, as applied to biological classification. It provides a comprehensive account of the past 50 years of discussion on the relationship between classification, phylogeny and evolution. It covers cladistics in the era of molecular data, detailing new advances and ideas that have emerged over the last 25 years. Written in an accessible style by internationally renowned authors in the field, readers are straightforwardly guided through fundamental principles and terminology. Simple worked examples and easy-to-understand diagrams also help readers navigate complex problems that have perplexed scientists for centuries. This practical guide is an essential addition for advanced undergraduates, postgraduates and researchers in taxonomy, systematics, comparative biology, evolutionary biology and molecular biology" -- Back cover.

Shelf no. **578.012 WIL**