Australian National Botanic Gardens

LIBRARY CONNECT

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

August 2025.

Hi all,

This edition of Library Connect has the usual listing of new books and a few articles for your interest.

Past issues of Library Connect are available on the library catalogue site.
https://library.dcceew.gov.au/cgi-bin/koha/opac-page.pl?page_id=22

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" box in the Visitor Centre is 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
T: 02 6250 9480 | W: https://www.anbg.gov.au/
E: ANBG.Library@dcceew.gov.au

Acknowledgement of Country

Our department recognises the First Peoples of this nation and their ongoing connection to culture and country. We acknowledge Aboriginal and Torres Strait Islander Peoples as the Traditional Owners, Custodians and Lore Keepers of the world's oldest living culture and pay respects to their Elders past, present and emerging.

For your interest

Journal of Southern Hemisphere Earth Systems Science 75, ES24007

1 August 2025
Variability of Australian climate and future changes
I. G. Watterson
https://doi.org/10.1071/ES24007

Nature – Technology feature

11 August 2025.
Six questions to ask before jumping into a spreadsheet
Spreadsheet software can be frustrating, but adopting some helpful habits can improve its effectiveness.
By Stephanie Melchor
https://www.nature.com/articles/d41586-025-02511-z

Ecology Letters

First published: 02 December 2024
A Functional Basis for the Assembly of Australian Subtropical Rainforest Tree Communities
Understanding the role of climate in the assembly of rainforest tree communities is informative for predicting how future climates will impact species and communities.
Julian Radford-Smith, Hao Ran Lai, Ella Cathcart-van Weeren, John M. Dwyer
https://doi.org/10.1111/ele.70014

International Journal of Wildland Fire 34, WF25002

Published 8 August 2025
Extensive fires in Australia's northern spinifex deserts – investigating the 2023 'Black Spring' and the influence of indigenous fire management
Rohan Fisher, Sarah Legge, Gareth Catt and Hannah Cliff
https://doi.org/10.1071/WF25002

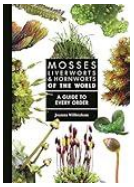
Nature News

31 July 2025
Google AI model mines trillions of images to create maps of Earth 'at any place and time'
The system will save time spent on processing satellite data, researchers say — but they hope the tech firm will share more about how it works.
By Jeff Tollefson
https://www.nature.com/articles/d41586-025-02412-1

Public Garden Magazine 2025; 40(3) 28-29

Digging deep: Libraries and Herbaria at Public Gardens: Vital collections
Ana Nino & Leora Siegel
https://members.publicgardens.org/resource/public-garden-magazine-volume-40-issue-3/

New additions to the collection



Mosses, liverworts, and hornworts of the world : a guide to every order / Joanna Wilbraham.

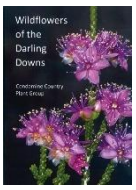
Princeton : Princeton University Press, 2025.

ISBN: 9780691265193

"A magnificently illustrated guide to the bryophyte species found across the world. Bryophytes are a highly diverse group of plants found in nearly all parts of the world and across a range of habitats. The term 'bryophyte' describes plants of three closely related lineages: the mosses, liverworts, and hornworts. Ancient in their makeup, bryophytes disperse by spores rather than seeds and grow no more than a few centimetres high, carpeting forest floors or clinging to rocks and tree trunks. Instead of conducting fluids internally (like vascular plants), they absorb water and nutrients externally across the whole body of the plant. Such strategies have enabled bryophytes to survive, and indeed thrive, through the millennia. Mosses, Liverworts, and Hornworts of the World *makes sense of their miniature world, differentiating between the three lineages and delving into their evolution, anatomy, and life cycles. The result is an unprecedented in-depth look at these exquisitely beautiful and often overlooked organisms.*

- *Features hundreds of stunning colour photos of mosses, liverworts, and hornworts*
- *Profiles individual genera across the three groups, including fact boxes and distribution maps*
- *Written by a world-renowned expert." -- Back cover.*

Shelf no. **588 WIL**



Wildflowers of the Darling Downs / by the Condamine Country Plant Group (Lisa Churchward, Patricia Gardner, Steven Plant & Greg Spearritt)

Toowoomba, Queensland : Condamine Country Plant Group, 2025.

ISBN: 9781763547810

"Queensland's Darling Downs is well-known for its rich soils and its cropping and grazing industries. It's also home, however, to many native plants, including wildflower gems of all shapes and colours. This selection of wildflowers is a small sample of what our region has to offer." -- Back cover.

Shelf no. **582.13099433 CON**

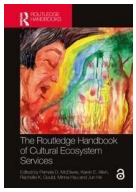
Wild collections : specimens, stories and science from CSIRO / Andrea Wild.

Clayton, VIC : CSIRO Publishing, 2025.

ISBN: 9781486318810

"Did dinosaurs get bitten by mosquitoes? Can honeybees become botanists? Why would anyone collect worm bums? And can we find DNA in the air? Wild Collections *explores some of the fascinating, strange and unique stories behind more than 15 million specimens cared for within CSIRO's National Research Collections Australia. More than just pinned insects and pressed plants, these are stories of scientific discovery and cutting-edge research. This book offers us a rare glimpse into the world-class collections and the wonders they contain. Go behind the scenes to discover species lost, found and saved, and the evolving knowledge and techniques it takes to record and understand our unique biodiversity. And meet some of the amazing scientists using this knowledge to protect and conserve our natural world." -- Back cover.*

Shelf no. **578.0740994 WIL**



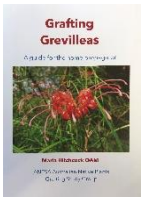
The Routledge Handbook of cultural ecosystem services [electronic resource] / edited by Pamela D. McElwee, Karen E. Allen, Rachelle K. Gould, Minna Hsu and Jun He.

London : Taylor & Francis Group, 2025.

ISBN: 9781003414896

"The Routledge Handbook of Cultural Ecosystem Services *provides an overview of Cultural Ecosystem Services (CES), which are the nonmaterial aspects of benefits that people derive from nature. These diverse and multifaceted contributions can include experiences, capabilities, and identities, among others. The* Handbook *addresses how these CES are valued, how they reflect human-nonhuman relationships, and what roles they can play in improved human well-being, ecosystem management, and trajectories towards sustainability." -- Abstract.*

Online: **https://www.taylorfrancis.com/books/oa-edit/10.4324/9781003414896/routledge-handbook-cultural-ecosystem-services-pamela-mcelwee-minna-hsu-karen-allen-jun-rachelle-gould**



Grafting grevilleas : a guide for the home propagator / Maria Hitchcock.

West Armidale, NSW : ANPSA Australian Native Plants Grafting Study Group, 2025.

ISBN: 9781764105804

"Grafting Grevilleas *introduces the home propagator to the various grafting methods used with grevilleas and includes a step-by-step guide to grafting this popular genus of native plants. It includes lists of grevilleas which have been successfully grafted onto various rootstocks by professional grafters, how to create a Standard grevillea and lists of Intergrafts (Interstocks) which provide a compatible interface between the scion and* Grevillea robusta*." -- Back cover.*

Shelf no. **631.541 HIT**

The guide to the Australian Capital Territory's wildlife / Angus McNab.

[Cambridge, TAS.] : Forty South Publishing, [2025].

ISBN: 9781764103206

"The Guide to the Australian Capital Territory's Wildlife *is the only comprehensive guide to identifying the 16 amphibians, 57 reptiles, 58 mammals, and 218 birds that inhabit the ACT. To help anyone interested in learning about the wildlife they could experience within the Australian Capital Territory this guide contains detailed and user-friendly accounts for each species. These include physical descriptions, distribution maps, details on where and when to see each species, preferred habitat types, elevational ranges, similar species and how to tell them apart, plus notes on subspecies, conservation status and ecology. Over 1,000 images have been included to help readers identify each species. There are images of males, females, juveniles, and subspecies variations where necessary. Details of the 104 vagrants and visitors that have been recorded within Victoria* [sic] *are included, with photographs depicting a range of these species. Further, information on 14 extinct species and 26 escapee and invading species, are included for full coverage of the wildlife that can be encountered in the ACT." -- Back cover.*

Shelf no. **591.9947 MCN**

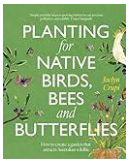
Planet fungi : a photographer's foray / Catherine Marciniak, Stephen Axford & Tom May.

Clayton South, VIC : CSIRO Publishing, 2025.

ISBN: 9781486318186

"Fungi are nature's great networkers, weaving connections, driving transformation and thriving in the most unexpected places. Planet Fungi: A Photographer's Foray *is a feast for the eyes, with stunning imagery and pioneering explorations that reveal the intricacies of fungal biology and their ecological significance. It was a chance encounter in the forest with a purple mushroom that completely changed photographer Stephen Axford's view of the world. He became obsessed with documenting the largely unexplored kingdom of fungi and, alongside his partner, Catherine Marciniak, capturing the beauty and diversity of fungi in some of the most remote regions on Earth. There are an estimated 2–5 million species of fungi found all over the world, yet with only around 155,000 described so far, there is so much left to discover. From glowing mushrooms in ancient forests to bizarre, alien-like forms, these extraordinary organisms will challenge how you see the natural world." -- Back cover.*

Shelf no. **579.5 MAR**



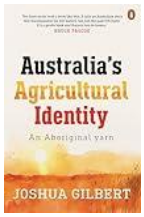
Planting for native birds, bees and butterflies : how to create a garden that attracts Australian wildlife / Jaclyn Crupi ; illustrations by Claire Mosley.

Cammeraygal Country, Crows Nest, NSW : Murdoch Books, 2025.

ISBN: 9781761500466

"Countless Australian species of birds, bees and butterflies are in decline or threatened with extinction, but you can help. Writer and gardener Jaclyn Crupi shows us that protecting and fostering precious native wildlife starts in our own backyards. The first step: start planting! And choose native plants where possible. This alone presents endless opportunities for habitat creation — sometimes it's the smallest actions that make the biggest difference. Providing a well-placed dish of water on a hot day or allowing leaf litter to stay where it falls are among the many other super simple ways you can make your garden more attractive to native birds, bees and butterflies, and in turn benefit all species." -- Back cover.

Shelf no. **635.960994 CRU**



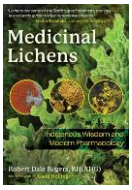
Australia's agricultural identity : an Aboriginal yarn / by Joshua Gilbert.

North Sydney, NSW : Penguin Books, 2025.

ISBN: 9781761047374

"Yarning across history and into the future, Joshua Gilbert explores a new approach to Indigenous culture and farming, combining ancient knowledge and practices with new technology and insights. Starting from his own Worimi Country, where his family history is captured in the journals of the Australian Agricultural Company, Josh listens to yarns about the farming that has always been and continues to take place on that Country. He seeks to provide a new understanding that Australians, as a nation of farmers and land managers, need to develop our agricultural system into one where Indigenous and Western knowledges converge. Where we acknowledge the realities of Australia's farming heritage and find ways to feed our population while caring for Country and ensuring the livelihood of Australia's farming towns. Josh explores what it means to be an Aboriginal person today, what it means to be a farmer and what it means to say you are Australian. Where these notions overlap, and how we might start to weave a common story, so that we can create a truly Australian agricultural yarn — one that we all build together." -- Back cover.

Shelf no. **305.89915 GIL**



Medicinal lichens : indigenous wisdom and modern pharmacology / Robert Dale Rogers, RH(AHG) ; photographs by Jason Hollinger.

Rochester, Vermont : Healing Arts Press, [2025].

ISBN: 9798888500248

"In Medicinal Lichens*, Robert Dale Rogers explores more than 400 species of North American lichens, including full-color photographic examples. He explains how lichens are members of the Fungi kingdom and, surprisingly, more biologically related to humans than to plants. He looks at what types of lichens we can find in geographic regions and habitats and shows how lichens are an indicator species, revealing the health of the environment and neighboring life forms, including that of humans. Rogers also explores each lichen chemical's healing properties, showing how pharmacological researchers are rediscovering the ancient wisdom of lichens long known by Indigenous peoples." -- Back cover.*

Shelf no. **581.634097 ROG**