

Mar 2023.

Hi all,

This month's Library Connect has the usual listing of new books and links to a couple of recent articles on ecological fire management.

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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For your interest

Functional Ecology

First published: 20 March 2023

Mechanisms by which growth and succession limit the impact of fire in a south-western Australian forested ecosystem.

Philip Zylstra, Grant Wardell-Johnson, Daniel Falster, Melissa Howe, Nathan McQuoid, Simon Neville
<https://doi.org/10.1111/1365-2435.14305>

Austral Ecology

April 2023, Vol 48(2) 476-7

Kangaroo grass is a keystone species for ecological fire management.

Paul Williams, David Kington, Eleanor Collins, Penny Watson
<https://doi.org/10.1111/aec.13276>

New books



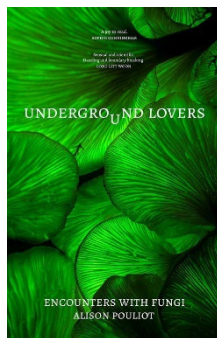
Australia's megafires : biodiversity impacts and lessons from 2019-2020 / editors: Libby Rumpff, Sarah M. Legge, Stephen van Leeuwen, Brendan A. Wintle and John C. Z. Woinarski.

Clayton South, Vic. : CSIRO Publishing, 2023

ISBN: 9781486316649

"The Australian wildfires of 2019-20 (Black Summer) were devastating and unprecedented. These megafires burnt more than 10 million hectares, mostly of forests in southern and eastern Australia. Many of the fires were uncontrollable. These megafires affected many of Australia's most important conservation areas and severely impacted threatened species and ecological communities. They were a consequence of climate change - and offered a glimpse of how this is likely to continue to affect our future. Australia's Megafires includes contributions by more than 200 researchers and managers with direct involvement in the management and conservation of the biodiversity affected by the Black Summer wildfires. It provides a comprehensive review of the impacts of these fires on all components of biodiversity, and on Indigenous cultural values. These fires also triggered an extraordinary and highly collaborative response by governments, NGOs, Indigenous groups, scientists, landholders and others, seeking to recover the fire-affected species and environments - to restore Country. This book documents that response. It draws lessons that should be heeded to sustain that recovery and to be better prepared for the inevitable future comparable catastrophes. Such lessons are of global relevance, for wildfires increasingly threaten biodiversity and livelihoods across the globe" -- Back cover.

Shelf no. **577.240994 AUS**



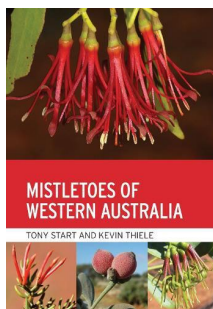
[Underground lovers : encounters with fungi / Alison Pouliot.](#)

Sydney, NSW : NewSouth Publishing, 2023

ISBN: 9781742237664

"Fungi offer a way to imagine life differently. In Underground Lovers Alison Pouliot reaches down to earth, and deeper, to dwell with fungal allies and aliens, discover how fungi hold forests together, and why humans are deeply entwined with these unruly renegades of the subterranean. Told through first-hand stories - from the Australian desert to Iceland's glaciers to America's Cascade Mountains - Alison Pouliot shares encounters with glowing ghost fungi and unearths the enigma of the lobster mushroom. Melding science and personal reflection, she explores the fungi that appear after fire, how fungi and climate change interact, the role of fungi in our ecosystems, and much more." -- Back cover.

Shelf no. **579.5 POU**



[Mistletoes of Western Australia / Tony Start and Kevin Thiele.](#)

Clayton South, Vic. : CSIRO Publishing, 2023

ISBN: 9781486316144

"Mistletoes are fascinating, diverse, colourful and ecologically important plants, found in most parts of Western Australia. Mistletoes of Western Australia is a guide to their identification, ecology, conservation, biogeography and evolution, including how they cope with fire. The book explores the relevance of mistletoes to the biodiversity of the communities in which they live, and provides information on their hosts and simple identification keys to species. Each species is described in simple terms and illustrated with a photo of the species and a map of its known distribution in Western Australia. Featuring seven genera and 42 species, this comprehensive illustrated guide will be essential for botanists, conservationists and anyone interested in Australian flora." -- Back cover.

Shelf no. **583.8809941 STA**



Karl, get out of the garden! : Carolus Linnaeus and the naming of everything / Anita Sanchez ; illustrated by Catherine Stock.

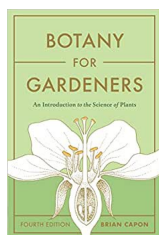
Watertown, MA : Charlesbridge, [2017]

ISBN: 9781580896061

"Blowball? Swine's snout? Yellow daisy? Dandelion? What was the right name? Young Karl Linné wasn't sure - and neither was anyone else! Doctors, gardeners, farmers - everybody! - argued about the names of plants and animals. How could they communicate if they couldn't even agree on what to call things? Karl knew there was only one solution: to give EVERY LIVING THING in the world a scientific name. But that was an enormous job. Could he do it?" -- Dust jacket.

Ages 7-10.

Shelf no. **580.92 SAN**



Botany for gardeners : an introduction to the science of plants / written and illustrated by Brian Capon.

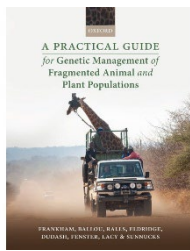
Portland, Oregon : Timber Press, 2022

Fourth edition

ISBN: 9781643261430

"What happens inside a seed after it is planted? How are plants structured? How do plants reproduce? The answers to these and other questions about the complex world of plants can be found in Brian Capon's Botany for Gardeners, the go-to introduction to botany for students and gardeners. This revised fourth edition features new photos and illustrations that help clarify the concepts, the latest scientific advances, changes in nomenclature and taxonomy, and more. From plant anatomy to basic genetics, this marvelous book explains the science of plants in plain language anyone can understand." -- Back cover.

Shelf no. **580 CAP**



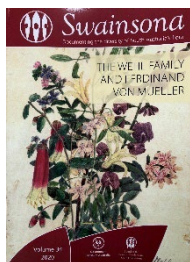
A practical guide for genetic management of fragmented animal and plant populations / Richard Frankham *et al.*

Oxford : Oxford University Press, 2019

ISBN: 9780198783428

"The biological diversity of the planet is being rapidly depleted due to the direct and indirect consequences of human activity. As the size of wild animal and plant populations decreases and fragmentation increases, inbreeding reduces fitness and loss of genetic diversity reduces their ability to adapt to changes in the environment. Many small, isolated populations are going extinct unnecessarily. In many cases, such populations can be genetically rescued by gene flow from another population within the species, but this is very rarely done. This book provides a practical guide to the genetic management of fragmented animal and plant populations." – Abstract.

Shelf no. **577.88 FRA**



The Wehl family of South Australia and their botanical connections with "Dear Uncle" Baron Ferdinand von Mueller / John Leslie Dowe, Tom W. May, Sara Maroske & Lucy Therese Smith.

Adelaide, S.A. : Board of the Botanic Gardens and State Herbarium, 2020

ISSN: 2206-1649 (print); 2206-1657 (online)

Swainsona Vol. 34, 2020.

"In this paper we provide a brief history of the Wehl family in South Australia. We assess the herbarium specimens collected by them, examine their illustrations and determine the connections between them and their current importance for typification. Underlying this, we consider the contribution made by the Wehl family toward the botanical work of Baron Ferdinand von Mueller." -- Abstract.

Shelf no. **580.92 WEH**

Online: https://data.environment.sa.gov.au/Plants-and-Animals/Herbarium-Journals/Pages/Journal-Search.aspx?volume=34&published_on=2020



Pollination : how does my garden grow? / written by Christopher Cheng ; illustrated by Danny Snell.

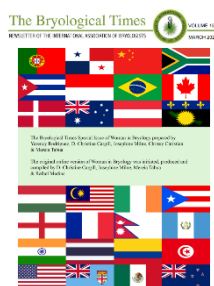
Clayton South, Vic. : CSIRO Publishing, 2023

ISBN: 9781486313235

"A child's day in the garden with their Gran and Pa leads to a wonderful exploration of pollination. Join them in discovering how pollination happens in our gardens and backyards, and the importance it has for our environment. Meet the animals involved in pollination and the plants that depend on pollination to produce our fruit, vegetables and even our clothes!" -- Back cover.

Ages 5-9.

Shelf no. **571.8642 CHE**



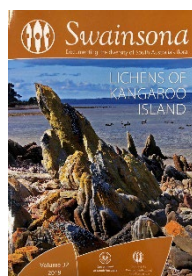
The Bryological times : special issue of women in bryology / prepared by Yarency Rodriguez, D. Christine Cargill, Josephine Milne, Chrissy Christian & Mereia Tabua.

Bryological times ; Vol. 155, March 2023.

[S.I.] : International Association of Bryologists, 2023.

The Bryological Times Special Issue of Women in Bryology is a product of the IAB project "Women in bryology", driven by Chris Cargill, Mereia Tabua and Josephine Milne.

Shelf no. **588.82 BRY**



An annotated catalogue of the lichens of Kangaroo Island, South Australia / Gintaras Kantvilas.

Adelaide, S.A. : Board of the Botanic Gardens and State Herbarium, 2019

ISSN: 2206-1649 (print); 2206-1657 (online)

Swainsona Vol. 32, 2019.

"A ten-year study of the lichens of Kangaroo Island, South Australia, based on extensive fieldwork and a review of more than 1500 herbarium specimens, revealed a remarkable flora of 366 taxa." -- Abstract.

	<p>Shelf no. 579.70994235 KAN</p> <p>Online: https://data.environment.sa.gov.au/Plants-and-Animals/Herbarium-Journals/Pages/Journal-Search.aspx?volume=32&published_on=2019</p>
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