Foreign Rights Guide Academic & Professional 2024-2025

EXCELLENCE IN SCIENCE PUBLISHING

CSIRO Publishing is an editorially independent science publisher and part of Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO)

CSIRO PUBLISHING

CSIRO Publishing has an internationally recognised program producing titles for academic, professional and trade audiences.

We produce over 35 new books each year, and maintain a backlist of nearly 700 titles.

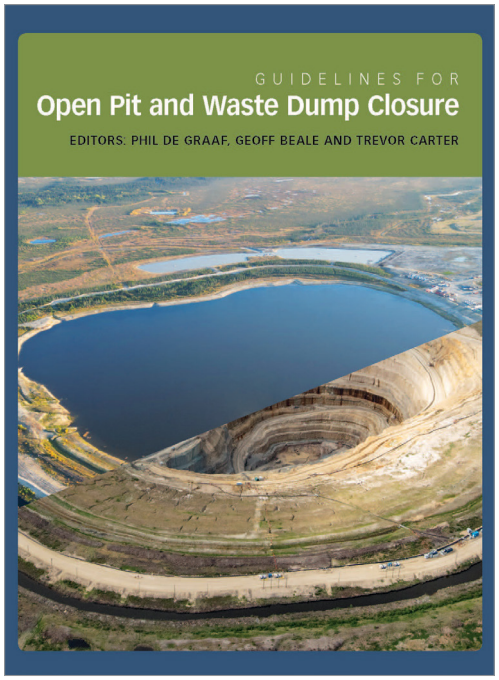
Our program covers animal, plant and soil science, technology, agriculture, environmental management, natural resources, sustainability and ecology.

Our children's list is aimed at introducing young readers to themes in ecology, conservation and biology in an engaging and informative way.

As well as books, we publish 28 peer-reviewed journals in animal, physical and plant sciences, health, agriculture and the natural environment, and *Double Helix*, a science magazine for kids aged 8–13, targeted at STEM.

CONTENTS ›

RECENTLY PUBLISHED



GUIDELINES FOR OPEN PIT AND WASTE DUMP CLOSURE

***Guidelines for Open Pit and Waste Dump Closure* provides a benchmark reference for geotechnical and hydrogeological professionals, and other closure stakeholders, involved in assessing and implementing the closure of open pits and waste rock dumps.**

It defines a 'state-of-best-practice' geotechnical and hydrological pathway that reflects current industry-wide experience; considers the perspectives of the operator, regulator and community; and encompasses closure planning, design, implementation and monitoring.

Written by industry experts and practitioners, *Guidelines for Open Pit and Waste Dump Closure* is the sixth in a series of books developed by the Large Open Pit (LOP) Project. Focused on the technical challenges related to geology, geotechnical engineering, water and geochemistry, it covers the key aspects that relate to closure of open pits and waste dumps, including planning, long-term physical and chemical stability and post mining land use (PMLU). The book also includes workflows that provide clarity on geotechnical and hydrogeological assessments relating to closure planning; definition of pragmatic objectives and measures of success; implementation and monitoring for open pits and waste dumps for closure; and how these may interact with adjacent land uses.

Drawing on global 'lessons learned' on mine closure over a period of more than 30 years, this comprehensive guide uses industry experience to set out a road map to closure and potentially relinquishment of open pits and waste rock dumps. It will be invaluable for mine closure practitioners, corporate planners, mine management, mining engineers and technical staff, mine stakeholders and regulators.

DETAILS

Publication: May 2025
Category: Academic & Professional
Extent: 352 pages
Dimensions: 270mm x 210mm
Binding: Hardback
RRP: AUD $195.00
ISBN: 9781486315796
Rights Available: World English ex. Australia & New Zealand, and all other languages

KEY SELLING POINTS

- Defines geotechnical and hydrogeological programs that are appropriate for the prevailing site-specific conditions.
- Provides a step-by-step planning process that is consistent with the knowledge base at each step in the mine cycle.
- Provides practical guidance on approaches to evaluate and demonstrate that regulatory requirements for 'safe and stable' (physical and chemical) objectives can be achieved with appropriate PMLUs.
- Helps stakeholders understand the questions that need to be addressed and hazards that need to be recognised in closure plan development, implementation and monitoring.

ABOUT THE EDITORS

Phil de Graaf is a professional engineer with over 30 years' experience in geotechnical design and implementation.

Geoff Beale has worked for 47 years in water management for the minerals industry and has worked in over 70 countries.

Dr **Trevor Carter** has been involved with mine closure studies and implementation for more than 40 years, both on behalf of the minerals industry and with regulators.

RIGHTS SOLD PREVIOUS TITLES IN SERIES

Guidelines for Open Pit Slope Design

- English Language ex ANZ (CRC Press)
- Korea (CIR Communication)
- Turkey (Chamber of Geological Engineers)

Guidelines for Slop Performance Monitoring

- English Language ex ANZ (CRC Press)

Guidelines for Open Pit Design in Weak Rocks

- English Language ex ANZ (CRC Press)

Guidelines for Mine Waste Dump and Stockpile Design

- English Language ex ANZ (CRC Press)

Guidelines for Evauluating Water in Pit Slope Statbility

- English Language ex ANZ (CRC Press)

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

BIOLOGY OF SKINKS OF THE GENUS *LAMPROPHOLIS*

A detailed summary of all aspects of the biology of the genus *Lampropholis.*

Biology of Skinks of the Genus Lampropholis covers Australian lizards that include two extremely common, widespread species (one of which has been inadvertently introduced into New Zealand and Hawaii) and a group of satellite species with very restricted geographic distributions. Much of the information about these species resides in myriad articles and unpublished theses. The book integrates these scattered data and provides the first detailed, comprehensive account of the genus.

The volume is essential reading for biologists in general and especially herpetologists, conservationists, naturalists, park rangers, managers of natural resources and wildlife, politicians with duties related to conservation, and anyone with a deep interest in Australian wildlife.

KEY SELLING POINTS

- Covers the entire scope of the biology of the genus *Lampropholis* including its life history, distribution, dispersal, ecology, behaviour, thermal biology, physiology, diet, predators, parasites and diseases, population biology, genetics, threats and conservation, taxonomy, phylogeny, and evolution.
- Contrasts the biology of two widespread versatile species with that of 12 other congeneric species with restricted distributions.
- Examines the dispersal of *Lampropholis delicata* to far-flung areas in the Pacific, such as New Zealand and Hawaii where it became established and re-adjusted to different physical and biological contexts and interacted with native biota.
- Brings together and reviews the literature from unpublished theses and in remote publications that are not readily accessible otherwise, beginning with the description of the first species in 1839 until the cut-off point of the search of the literature on 28 February 2024.
- Considers the genus as a model taxon for understanding the interaction of ecology and genetics in the evolution of lizards.

DETAILS

Publication: May 2025
Category: Academic & Professional
Extent: 304 pages
Dimensions: 270mm x 210mm
Binding: Hardback
RRP: AUD $280.00
ISBN: 9781486319480
Rights Available: World English ex. Australia & New Zealand, and all other languages

ABOUT THE AUTHORS

Shelley Burgin is an Emeritus Professor of Western Sydney University. In the mid-1970s, as a mature-aged student, she enrolled in the Environmental Science program at Griffith University – the first of its kind in Australia. The focus of her PhD was on the taxonomic and phylogenetic relationships of the scincid lizards – *Lampropholis*. In 2001, Shelley was inducted as a Fellow of the Royal Zoological Society of NSW, and was invested as a Member (General Division) of the Order of Australia in 2018. She continues to publish in retirement.

Harold Heatwole is Adjunct Professor at the University of New England, NSW, Australia, and Professor Emeritus at North Carolina State University, USA. He has 374 scientific publications to his credit and has edited *Ecology in Australia* (7 volumes) and *Amphibian Biology* (14 volumes). He was President of the Great Barrier Reef Committee (1980–1982), Foundation President of the Australian Coral Reef Society (1982–1983) and Editor-in-Chief of *Integrative and Comparative Biology* for Oxford University Press (2010–2014)

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

SPECIALISED METABOLITES OF AUSTRALIA'S CUSTOMARY MEDICINAL FLORA

A molecular and data-focused summation of customary medicinal flora found in Australia, one of the most biodiverse and unique places on the planet.

This book presents a summation of over a century of natural product research in Australia, concerning plants that have been used customarily by First Scientists. It begins with a look into the history of ethnomedicine across the globe, focusing on the pharmacopeias of the West, the East and Australia. An analysis of the botanical origin, biosynthesis and function of bioactive metabolites gives further background into these potent phytochemicals. This summary concludes with a broad review of the current methodologies involved in modern natural product chemistry, and pharmaceutical drug discovery and development, before considering the future of the field.

The remainder of the text is dedicated to a systematic presentation of the specialised metabolites that are present in the plant kingdom, with a continual engagement with those sourced from Australian customary medicinal flora. This section is broken into four chapters based on the structural differences present in these molecules: Phenolic-type, Terpenoid-type, Alkaloid-type and a catch-all Miscellaneous-type. Each of these chapters presents a tabulated breakdown of the presence of any of the 133 natural product infraclasses across 266 native plant genera reported in the literature, all of which is available on the associated interactive database (www.cmfoa.info)

DETAILS

Publication: May 2025
Category: Academic & Professional Reference
Extent: 228 pages
Dimensions: 270mm x 210mm
Binding: Hardback
RRP: AUD $220.00
ISBN: 9781486318582
Rights Available: World English ex. Australia & New Zealand, and all other languages

READERSHIP

- Academics in fields related to natural product chemistry, such as biomedicine, biochemistry, medicinal chemistry, pharmacology, botany, etc.
- Industry members who are working in pharmaceuticals, nutraceuticals, cosmetics, etc.

KEY SELLING POINTS

- Outlines a phytochemical breakdown of Australian customary medicinal flora
- A review of the major natural product classes, subclasses and infraclasses.
- Explores an overview of the history, methodology and future of the field.
- Offers an accessible account relating Traditional botanical knowledge and biochemistry.
- Includes links and coordination with an interactive database (www.cmfoa.info).

ABOUT THE AUTHORS

Edward Owen Norman is an applied scientist in the intersectional fields of natural product chemistry, ML/AI (biostatistics, metabolomics, chemometrics) and ethnomedicine. He received his doctorate from RMIT University, Australia and is now affiliated with the University of New South Wales

Melissa Serrurier is a specialist in Indigenous curriculum and education, drawing on her Indigenous heritage (Guugu Yimidhirr) and education to further the advancement of Indigenous education methodologies through her work in higher education. She is currently conducting a PhD in Education (Indigenous Pedagogies) and is the STEM College Indigenous curriculum specialist at RMIT University.

Sylvia Urban FRACI, SFHEA is one of Australia's leading natural product chemists, heading the Marine and Terrestrial Natural Product (MATNAP) research group. She is also the program manager of the Bachelor of Science degree and the Reconciliation and Responsible Practice Facilitation, School of Science (STEM College) at RMIT University.

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

CORNERSTONES OF IMPACT MANAGEMENT: HOW TO PLAN, IMPLEMENT, ASSESS AND UNDERSTAND FACTORS FOR SUCCESS

***Cornerstones of Impact Management* is a comprehensive and practical guide to all aspects of impact management.**

It provides insights and expertise from leading practitioners from around the world, who have decades of experience in starting impact management processes from scratch, shifting cultures, developing systems and processes, and establishing leading-edge practices. It explores planning, implementing, scaling and assessing impact interventions, particularly within research and innovation, and policy, contexts.

Whether you're a seasoned impact practitioner or just starting your journey, *Cornerstones of Impact Management: How to Plan, Implement, Assess and Understand Factors for Success* is the definitive resource for understanding and enhancing the impact contribution of your project, team, organisation or broader system of operation. It provides invaluable insights for researchers and research managers, policy makers, evaluators, knowledge mobilisers, and quality improvement practitioners.

KEY SELLING POINTS

- A comprehensive guide to impact management grounded in the perspectives of impact practitioners from around the world.
- Covers the full process of impact management from setting the context for impact through to impact planning, implementing, scaling and assessing, including how to embed an impact culture in an organisation, as well as providing reflections on future directions in the field.
- Provides useful tips, examples and additional resources drawn from the contributors' lived experience as impact professionals.
- Designed for researchers and research managers, policy makers, evaluators, knowledge mobilisers, and quality improvement practitioners.
- Accessible for beginners in the field while still providing useful insights for more experienced professionals.
- Includes a Foreword by Jonathan Grant, co-founder of the International School of Research Impact Assessment.

DETAILS

Publication: May 2025
Category: Academic & Professional
Extent: 288 pages
Dimensions: 245mm x 170mm
Binding: Paperback
RRP: AUD $79.99
ISBN: 9781486317455
Rights Available: World English ex. Australia & New Zealand, and all other languages

ABOUT THE EDITORS

Dr **Anne-Maree Dowd** PhD is the Executive Manager of Performance and Evaluation at Australia's national science agency, CSIRO. She has led the impact agenda within CSIRO since 2014 and has been involved at the international level on research impact.

Dr **Thomas Keenan** PhD is the Director of Tractuum, an impact management consultancy based in Brisbane, Queensland. He led the planning and evaluation activities of the CSIRO Impact Team from 2016 to 2019, and continues to support the advancement of the CSIRO approach to impact management as a consultant.

Dr **Kathryn Graham** PhD, FCAHS is the Executive Director of the Impact Action Lab at Alberta Innovates, the province's largest research and innovation agency. She has over 25 years of experience in implementing strategic performance management and continuous quality improvement systems across multiple organisations and sectors.

Contributors

Paula Adam, Gert Bailling, Jasper Buys, Karen Cosgrove, Anne-Maree Dowd, Peter Duffy, Kathryn Graham, Reesa John, Adam Kamenetzky, Thomas Keenan, Alan O'Connor, Pavel Ovseiko, Alex Pollitt, Mark Taylor, and Amanda Walsh.

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

COVER COMING SOON

CSIRO PUBLISHING

AUSTRALIAN MAMMALS: BIOLOGY AND CAPTIVE MANAGEMENT SECOND EDITION

Australian Mammals: Biology and Captive Management is a complete guide to the husbandry of all groups of Australian mammals.

This revised and updated second edition includes an intensive review of the latest published research and aims to bring together knowledge of each species biology and behaviour into captive situations and provide guidance for hand rearing. It covers advances from the last 20 years, including developments in assisted breeding, genetic techniques, updated taxonomy and the importance of Australian mammal welfare, both physical and mental.

Written in collaboration with experts in captivity and veterinary science, chapters are presented for each taxonomic group of Australian mammals. Each chapter covers animal welfare, natural history, housing requirements, general husbandry, feeding requirements, handling and transport, health requirements, behaviour, breeding, and artificial rearing.

Australian Mammals is a comprehensive reference to the biology and captive management of Australian mammals and provides practical guidance for zookeepers, veterinarians, zoologists, researchers and students.

ABOUT THE AUTHORS

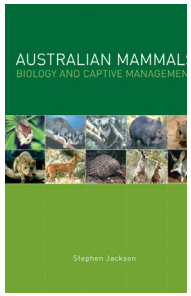
Dr **Stephen M. Jackson** is a zoologist who has studied the behaviour, ecology, captive management and taxonomy of Australian mammals for over 30 years. He has had various roles including zookeeper, zoo curator, zoo regulator, part timer lecturer, wildlife consultant and author. He is an associate of the Smithsonian Institution in Washington DC and an Adjunct Associate Professor at the University of New South Wales.

DETAILS

Publication: June 2025
Category: Academic & Professional
Extent: 752 pages
Dimensions: 270mm x 210mm
Binding: Hardback
RRP: AUD $280.00
ISBN: 9781486315277
Rights Available: World English ex. Australia & New Zealand, and all other languages

READERSHIP

- Veterinarians, zoos and fauna parks worldwide
- Universities with captive collections
- Wildlife rescue groups
- Mammmalogists



First Edition, 2007

KEY SELLING POINTS

- Includes chapters on the platypus, short-beaked echidna, carnivorous marsupials, numbat, bandicoots and bilbies, koala, wombats, possums and gliders, macropods, dugong, rodents, bats, dingo, seals and dolphins,
- Each chapter includes contributions from at least one veterinarian, one field ecologist and one zookeeper.
- Presents the latest Australian mammal research.
- Fully revised and updated second edition of this acclaimed book.

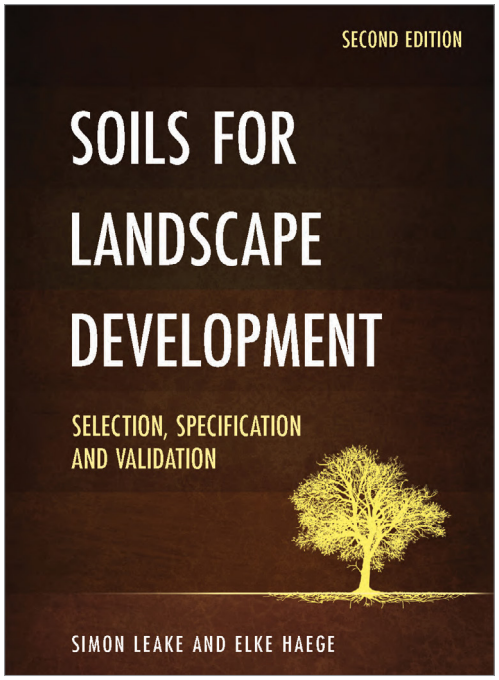
REVIEWS FOR FIRST EDITION

"… the best book on its subject ever to appear … an essential purchase for any zoo holding animals from the region it is devoted to … every zoo should buy this book."
– *International Zoo News*

"… this is a landmark publication and the reference for all those interested in maintaining animals in captivity. It matters not whether you are a professional, research institution, wildlife carer, National Parks personnel or an enthusiastic amateur – this book is for you"
– *World Association of Zoos and Aquariums*

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA



SOILS FOR LANDSCAPE DEVELOPMENT: SELECTION, SPECIFICATION AND VALIDATION SECOND EDITION

Practical templates for specifying landscape soils using objective and measurable criteria.

This second edition of the award-winning *Soils for Landscape Development* provides a globally applicable method for landscape architects and designers, specification writers, landscape contractors, nursery growers, turf specialists and soil supply companies to properly specify landscape soils using objective and measurable criteria. It uses systematic, clear and practical templates.

The book links landscape design processes with sound modern soil science practices to promote better quality project outcomes by ensuring that the basis of the landscape, the soil, is suitable for the intended purpose. The authors emphasise environmental impacts through site soil reuse, promoting appropriate minimal soil intervention and using recycled products, with example compliance specifications.

DETAILS

Publication: December 2024
Category: Academic & Professional
Extent: 216 pages
Dimensions: 245mm x 170mm
Binding: Paperback
RRP: AUD $89.99
ISBN: 9781486318513
Rights Sold: English Language ex. Australia & New Zealand
Rights Available: All other languges

AWARDS FIRST EDITION

- 2015 Australian Institute of Horticulture (AIH) Literature Award.
- 2014 Australian Institute of Landscape Architecture (AILA) NSW Research and Development Award.

REVIEW FIRST EDITION

"Highly recommended, and an essential reference for anyone working in the landscaping or horticultural industry"

– Subtropical Gardening Magazine, 2015

KEY SELLING POINTS

- Includes up-to-date improvements to the Soil Approach Method, streamlined into a hierarchy of carbon emissions and sustainable practices.
- Incorporates two additional and updated soil specifications including a biofiltration soil specification and an ultra lightweight soil media for extensive rooftop landscapes.
- Features new sections on Soil Fundamentals for Landscape Architects and on small or lower budget projects suited for maintaining or installing residential or smaller gardens.

ABOUT THE AUTHORS

Simon Leake is a certified professional soil scientist with a particular interest in urban soil science. He runs a busy soil laboratory, SESL Australia.

Elke Haege is a practising registered landscape architect, consulting arborist and horticulturist. She is passionate about sustainable and regenerative development of natural systems in urban environments.

RETURN TO CONTENTS

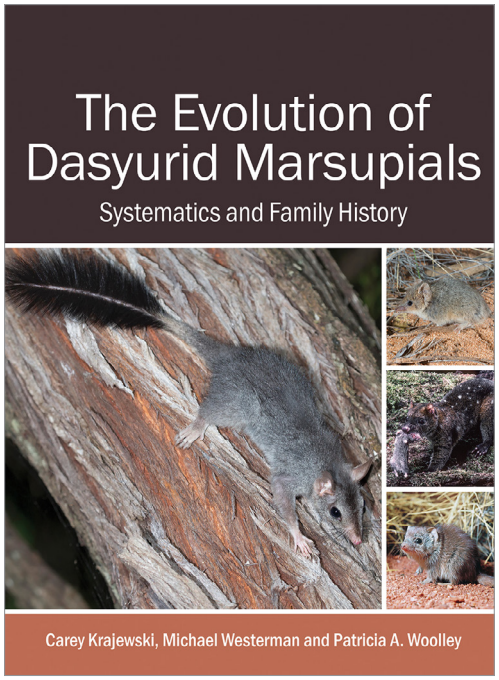
RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

Recently Published

EXCELLENCE IN SCIENCE PUBLISHING

CSIRO Publishing is an editorially independent science publisher and part of Australia's Commonwealth Scientific and Industrial Research Organisation (CSIRO)

CSIRO PUBLISHING



THE EVOLUTION OF DASYURID MARSUPIALS: SYSTEMATICS AND FAMILY HISTORY

The marsupial family Dasyuridae has a history of study extending from 18th century naturalists to the modern genomics era.

The Evolution of Dasyurid Marsupials: Systematics and Family History tells the story of dasyurid evolution as it unfolded in the context of changing world views on biodiversity, biotic history and scientific methodology, from its roots in Enlightenment taxonomy to its transformation by the Darwinian and Hennigian revolutions, and then its maturation as statistical phylogenetics and phylogenomics.

Research on dasyurids includes every major approach in animal systematics, including some for which few comparable examples exist. It extends beyond the recent consensus on species relationships to include the timing of diversification, historical biogeography and the evolution of key phenotypic traits. This book introduces readers to living and fossil dasyurids, the questions evolutionary biologists have asked about them, the inferential methods used to answer those questions and the implications of those answers for understanding the history of this fascinating marsupial family. It offers a comprehensive synthesis of dasyurid evolutionary biology for students, teachers and researchers in mammalian evolution and marsupial biology.

KEY SELLING POINTS

- Summarises information about dasyurid evolution in one concise source, with extensive illustrations.
- Provides methodological background to explain how conclusions were drawn from evidence, as well as historical context to explain why specific approaches were used at particular times.
- Offers a critical analysis of past and current hypotheses, and explores the strengths and weaknesses of individual studies, helping readers evaluate conflicts among them.
- Uses a phylogenetic framework to understand issues in biogeography, macroevolution, phenotypic evolution and conservation.

REVIEWS

"Aimed at those with a good conceptual understanding of biology, this comprehensive book tells the story of dasyurid evolution, making strong use of phylogenetic trees as a hypothesis of the evolutionary relationships between species, whilst recognising that the study of evolution is an integrative science drawing from many expert perspectives." - *Wildlife Health Australia*

"There is something for everyone in this book, from fossils, multi-gene phylogenies, biogeography, reproductive biology, human impacts and species level accounts, the authors have covered just about everything on the subject."
- *The Australian Mammal Society*

DETAILS

Publication: January 2024
Category: Professional & Scholarly
Extent: 368 pages
Dimensions: 270mm x 210mm
Binding: Paperback
RRP: AUD $280.00
Rights Sold: World English ex. Australia & New Zealand (CRC Press)
Rights Available: All languages ex. English

ABOUT THE AUTHORS

Carey Krajewski is a retired zoology professor and molecular systematist who has studied phylogenetics of mammals and birds for over 35 years. He is the author of 36 peer-reviewed publications describing research on phylogenetic relationships of marsupials, primarily members of Dasyuridae.

Michael Westerman is Adjunct Professor in the School of Agriculture, Biomedicine and Environment at La Trobe University. He is an evolutionary geneticist who has worked on phylogenetic relationships of marsupials for 50 years, publishing over 130 peer-reviewed papers on dasyurids, bandicoots and macropods.

Patricia A. Woolley AM, is Emeritus Scholar in the School of Agriculture, Biomedicine and Environment at La Trobe University. Her primary research interest is the reproductive biology of dasyurid marsupials. She is a recipient of the Outstanding Achievement Award of the Society of Women Geographers and the Ellis Troughton Memorial Award, and an honorary life member of both the Australian Mammal Society and American Society of Mammalogists.

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

EXPERIMENTAL DESIGN AND ANALYSIS FOR TREE IMPROVEMENT THIRD EDITION

Provides a set of practical procedures to follow when planning, designing and analysing tree improvement trials.

Using many fully worked examples, it outlines how to: design field, glasshouse and laboratory trials; efficiently collect and construct electronic data files; pre-process data, screening for data quality and outliers; analyse data from single and across-site trials; and interpret the results from statistical analyses.

The authors address the many practical issues often faced in forest tree improvement trials and describe techniques that will efficiently give conclusive results. The techniques provided are applicable to the improvement of not only trees, but to crops in general.

KEY SELLING POINTS

- Includes up-to-date methodology for the efficient design of trials, using the computer package CycDesigN.
- Features online appendices for data files, Genstat and SAS code for analysis and a link to corresponding R programs.
- Covers techniques that are applicable to the improvement of not only forest trees, but also to field crops in general.

DETAILS

Publication: January 2024
Category: Professional Reference
Extent: 192 pages
Dimensions: 245mm x 170mm
Binding: Paperback
RRP: AUD $140.00
ISBN: 9781486317103
Rights Sold: World English ex. Australia & New Zealand (CABI)
Rights Available: All languages ex. English

ABOUT THE AUTHORS

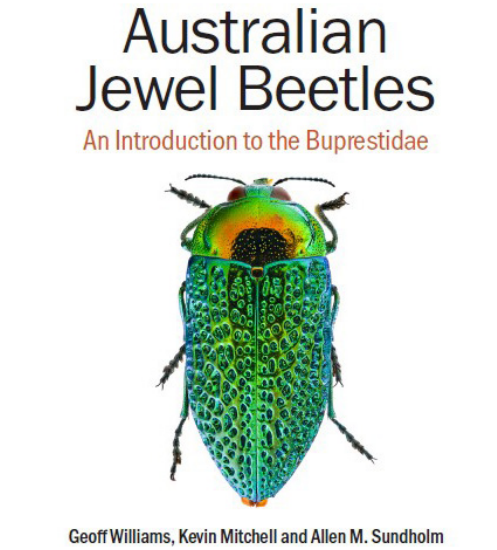
Dr **Emlyn Williams** is a statistician with over 40 years' research experience, and is at the forefront of statistical research into the construction and analysis of efficient experimental designs.

Dr **Chris Harwood** is internationally recognised for his work on the evaluation of forest genetic resources and the development of tree breeding programs for plantation forestry with a focus on the tropics.

Dr **Colin Matheson** is an internationally recognised forest geneticist with many decades of experience in research, data analysis and implementation of results into novel tree breeding and improvement programs for many species.

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA



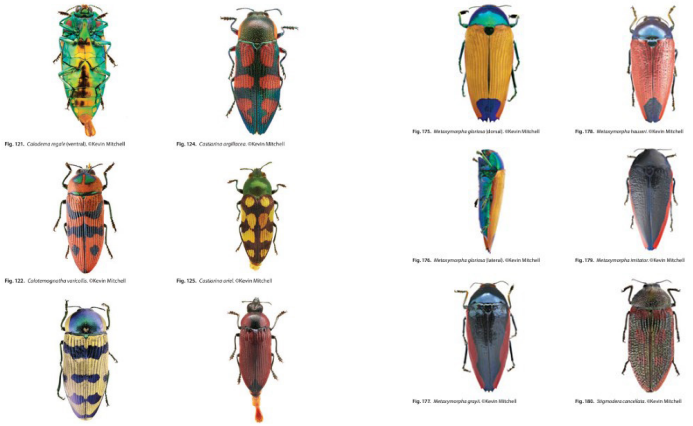
AUSTRALIA'S JEWEL BEETLES: AN INTRODUCTION TO THE BUPRESTIDAE

The first stand-alone book covering Australia's unique and rich Buprestidae.

Presents a comprehensive overview of Australia's buprestid fauna. It presents taxonomic, ecological and biogeographic information for all Australian genera, and their association with the world's Buprestidae more widely. It explores plant-evolution dependencies, as well as threats and conservation for this diverse fauna.

The authors bring together their extensive experience and understanding of the wealth of Australia's largely endemic species, supported by spectacular images.

Australian Jewel Beetles will be valued by professional biologists and ecologists, as well as entomologists and naturalists in Australia and abroad.



DETAILS

Publication: March 2024
Category: Academic & Professional reference
Extent: 224 pages
Dimensions: 270mm x 210mm
Binding: Hardback
RRP: AUD $ 195.00
ISBN: 9781486317400
Rights Available: World English ex. Australia & New Zealand, and all other languages

KEY SELLING POINTS

- Provides an introduction to the Australian buprestid fauna, including its fossil history and biogeography.
- Covers the taxonomy and known ecology of all Australian genera.
- Explores plant associations, the role of buprestids as pollinators, and threats and conservation.
- Presents over 570 colour images, many of rare or poorly known species not featured in past publications.

ABOUT THE AUTHORS

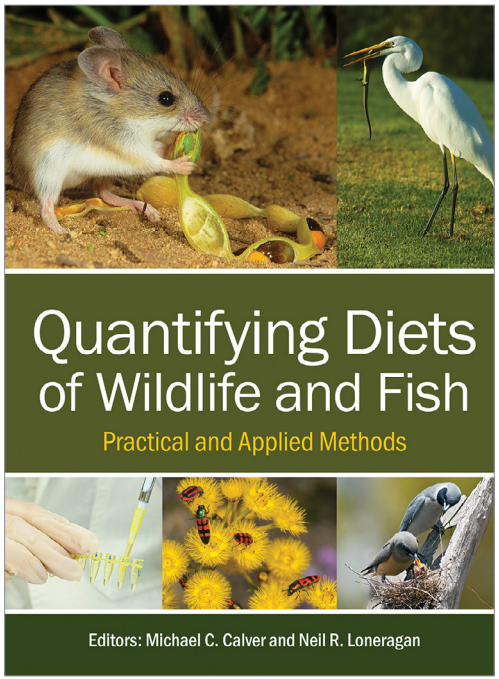
Geoff Williams is a conservation biologist with a specialist scientific background in plant ecology, rainforest restoration and entomology. He holds a PhD from the University of New South Wales and is currently an honorary Research Associate with the Australian Museum, Sydney.

Kevin Mitchell has a background in aircraft design and flight aerodynamics. He has had a long term interest in photography and photographic techniques including stacked image technology. He has been successful in photo competitions and exhibited a number of times in regional galleries. Kevin has developed equipment and techniques responsible for the majority of the stacked focus images produced for this book.

Allen Michael Sundholm OAM has had an intense interest in entomology since the 1960s, his foundation interests later focusing on beetles, moths and butterflies. His field studies have resulted in the discovery of numerous new species and new insights into the ecology. In 2016 Allen was awarded the Medal of the Order of Australia in recognition of his contributions towards protecting from destruction over 5 million hectares of mallee, mallee-heath and woodland in the south of Western Australia, much of which is now known as the Great Western Woodlands.

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA



QUANTIFYING DIETS OF WILDLIFE AND FISH: PRACTICAL AND APPLIED METHODS

Explores methods for studying wildlife diets, and how they can be applied across different groups.

Quantifying Diets of Wildlife and Fish presents different techniques available to study animal diets. Ecologists determine animal diets to build natural history knowledge, test hypotheses in ecological theory and make informed management decisions for important ecosystems. Many researchers use techniques traditionally applied to the animals they study, rather than techniques with the greatest potential for the aims of each project. In an effort to encourage researchers to consider new approaches, this book focuses on the techniques, rather than on particular groups of organisms or specific environments.

With contributions from leading ecologists, chapters explore experimental design, observational techniques (including new technologies), stomach contents and faecal analysis, eDNA, tracers and stable isotopes. They also cover the latest multivariate methods of analyses suitable for describing animal diets and feeding relationships, as well as testing hypotheses relevant to ecological theory, environmental management and biological conservation. The expert knowledge provided will encourage readers to look beyond the boundaries of their specialties, assist in testing important hypotheses and provide insights into management problems. The examples in this book cover a range of vertebrates and invertebrates, as well as different environments, to open these methods up for novice ecologists and stimulate lateral thinking in more experienced researchers.

DETAILS

Publication: May 2024
Category: Academic & Professional
Extent: 200 pages
Dimensions: 270mm x 210mm
Binding: Paperback
RRP: AUD $140.00
ISBN: 9781486315000
Rights Sold: World English ex. Australia & New Zealand (CABI)
Rights Available: All languages ex. English

KEY SELLING POINTS

- Explores traditional approaches to studying animal diets as well as newer methods such as chemical tracers and eDNA techniques.
- Brings together knowledge from terrestrial and aquatic systems (spanning freshwater to marine environments).
- Includes a broad range of taxonomic groups from invertebrates to lions and sharks.
- Outlines essential techniques for data collection that underpin the development of ecosystem models to assess system dynamics.
- Discusses testing hypotheses relevant to ecological theory, environmental management and biological conservation.

ABOUT THE EDITORS

Emeritus Professor **Michael C. Calver** is based in the School of Environmental and Conservation Sciences, as well as the Centre for Terrestrial Ecosystem Science and Sustainability in the Harry Butler Institute at Murdoch University. Michael describes himself as a frustrated entomologist who, despite earning his PhD in entomology, soon discovered that prospective research students were more interested in the kind of animals that view insects as food. Thus, he converted to a wildlife biologist.

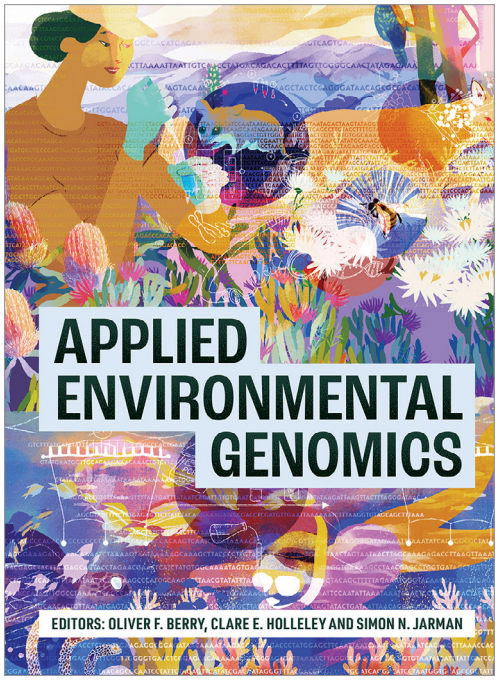
Emeritus Professor **Neil R. Loneragan** is based in the School of Environmental and Conservation Sciences and the Harry Butler Institute at Murdoch University and is an Adjunct Professor at IPB University in Indonesia. His interests lie in understanding marine and estuarine food webs, fisheries dynamics and the application of ecological principles to evaluating fish stock enhancement and marine ranching.

REVIEWS

"A tasty delight, this new book released through CSIRO Publishing […] details the different techniques available to study wildlife diets and how they can be applied across different groups."
- *Wildlife Health Australia*

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA



APPLIED ENVIRONMENTAL GENOMICS

DNA is the essence of life and the original 'big data'. New technologies are allowing scientists to access and make sense of this information like never before, and they are using it to solve the world's greatest environmental challenges.

Applied Environmental Genomics synthesises the latest and most exciting uses of genomic technologies for environmental science and management. With an emphasis on diversity of applications and real-world demonstrations, leading researchers have contributed detailed chapters on innovative approaches to obtaining critical management-relevant information about the natural world. These chapters are complemented by perspective sections written by environmental managers who describe their experiences using genomics to support evidence-based decisions.

Ideal for students, researchers and professionals working in natural resource management and policy, *Applied Environmental Genomics* is a comprehensive introduction to a fast-moving field that is transforming the practice of environmental management, with profound relevance to industry, government and the public.

DETAILS

Publication: December 2023
Category: Academic & Professional
Extent: 368pages
Dimensions: 270mm x 210mm
Binding: Hardback
RRP: AUD $200.00
ISBN: 9781486314928
Rights Sold: World English ex. Australia & New Zealand (CRC Press)
Rights Available: All languages ex. English

REVIEWS

- The authors have cleverly set out to capture a greater diversity of genomic applications than typically are included in advanced texts, by including applications sourced through scientific journal literature. [...] *Applied Environmental Genomics* will swiftly become a useful go to resource for those involved in natural resource management, and conservation, including wildlife researchers, ecologists and students. "
  - *Wildlife Health Australia*

KEY SELLING POINTS

- Profiles the latest applications of genomics to environmental management.
- Features perspectives from environmental managers about the use of genomics in practice.
- Explores the enormous breadth of applications and global relevance of environmental genomics.
- Includes contributions from leading global experts.

ABOUT THE EDITORS

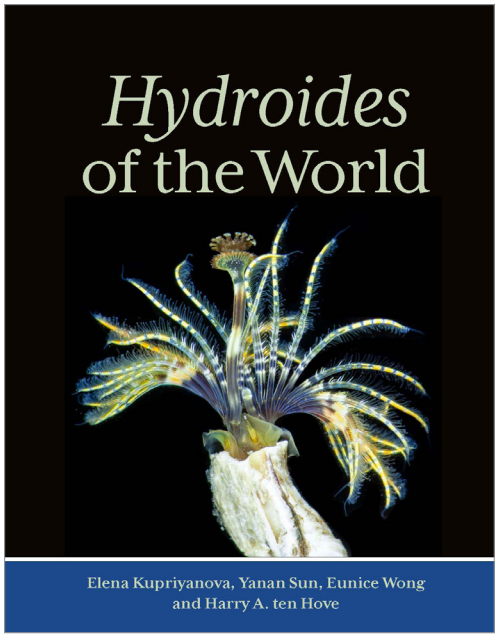
Oliver F. Berry is Director of the Environomics Future Science Platform at CSIRO. His career has featured a diversity of genomics techniques from population genomics to environmental DNA, and he has worked in application domains from conservation biology to invasive species management.

Clare E. Holleley is a Principal Research Scientist at National Research Collections Australia (CSIRO). She is an expert in vertebrate sex determination and an innovator in the field of historical epigenomics. Her work characterises rates of evolutionary change in ecological, reproductive and disease research.

Simon N. Jarman is Professor of Environmental Genomics at Curtin University. He is an expert in analysis of animal age and life cycles with genomic methods, and environmental DNA analyses of species diversity.

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA



HYDROIDES OF THE WORLD

The first fully illustrated guide to this notorious serpulid genus of calcareous tubeworms, providing a comprehensive diagnostic treatment of all known species of the genus *Hydroides*.

Serpulid polychaetes are a unique and highly specialised group of marine segmented worms that have adapted to inhabiting self-secreted calcareous tubes attached to a wide range of hard substrates.

These animals are found across all depths and habitats of the world's oceans, and some form mutually beneficial associations with live corals. The genus *Hydroides* is of special concern and importance, as it is not only the largest, but also one of the most ecologically and economically important groups of marine invertebrates, because it includes notorious biofoulers and common bioinvaders that travel around the world hitchhiking on ships' hulls.

Fig. 19. *Hydroides albicaps*-complex, various views of opercula. Top row: North-east of Aride, Seychelles, AM W.28296; middle row: Lizard Island, Queensland, Australia, AM W.20153; bottom row: Banacon Island, Philippines, AM W.201660 (photo E. Wong).

The name *Hydroides exaltata* var. *vesiculosa* Fauvel, 1919 (his figure reproduced herein as Fig. 120C) had been discussed as being similar to *H. albiceps*, but never been formally synonymised and therefore regarded to be a species *inquirenda* by Read *et al.* (2017: 17). We have carefully reviewed the original description (and one additional specimen) and compared counts of funnel radii (24–26) and verticil spines (12 +1; however, in Mesnil & Fauvel 7–8 +1) with those of *H. albiceps* (14–31, 5–12 +1; including '*H. multispinosa* var. *ternatensis*': 26, 12 +1). Shape and

DETAILS

Publication: July 2023
Category: Professional & Scholarly
Extent: 248 pages
Dimensions: 270mm x 210mm
Binding: Paperback
RRP: AUD $240.00
ISBN: 9781486311583
Rights Sold: World English ex. Australia & New Zealand (CRC Press)
Rights Available: All languages ex. English

KEY SELLING POINTS

- A comprehensive worldwide coverage of all species of the genus *Hydroides*.
- Features full colour quality original micrographs.
- Includes detailed information on ecological and economic impacts
- Provides an important reference for bioinvasion and fouling status.

ABOUT THE AUTHORS

Dr Elena Kupriyanova is a Senior Research Scientist at the Australian Museum in Sydney. She received her PhD in 2004 from Flinders University in Adelaide, and previously worked at the University of Adelaide and Yokohama National University, Japan.

Dr Yanan Sun is a Research Associate at the Hong Kong University of Science and Technology. She received her PhD in 2017 from Macquarie University supervised by Dr. Kupriyanova at the Australian Museum, and previously worked at Hong Kong Baptist University.

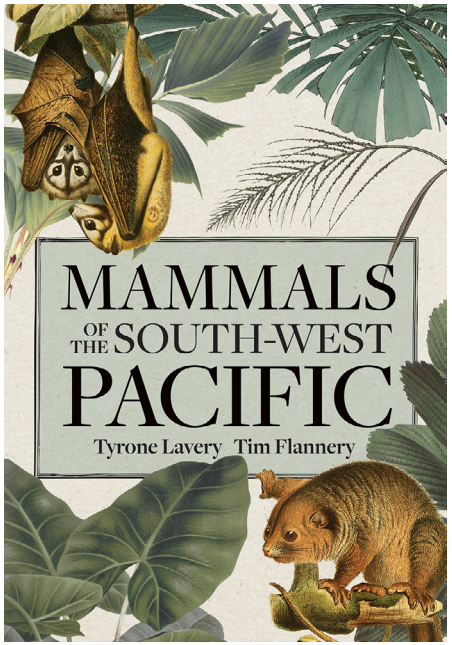
Dr Eunice Wong is a Field Application Scientist at BioSkryb Genomics. She received her PhD in 2020 from the University of Queensland and previously worked on scientific illustration and molecular systematics of various marine invertebrate groups at the Australian Museum.

Dr Harry A. ten Hove is an Honorary Research Scientist at Naturalis Biodiversity Center in Leiden, the Netherlands. He received his PhD in 1975 from the University of Utrecht, the Netherlands, and previously worked at the Universities of Utrecht and Amsterdam.

RETURN TO CONTENTS

CSIRO PUBLISHING
IT STARTS WITH SCIENCE

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

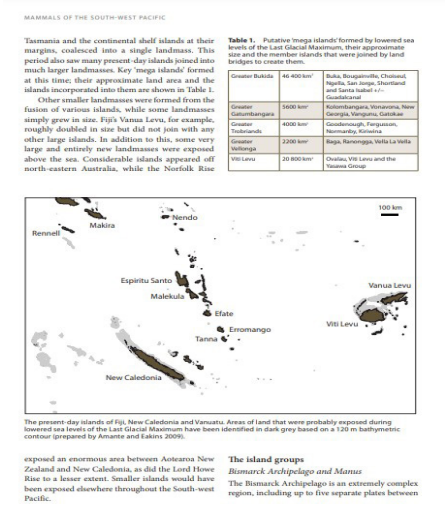


MAMMALS OF THE SOUTH-WEST PACIFIC

Provides a much-needed update to the mammalogy of Melanesia, Micronesia and Polynesia.

Islands are special because they promote unique forms of life, and large proportions of the species they hold are found nowhere else on Earth. The mammals of the South-west Pacific are no exception, with many distributed only across single islands or archipelagos.

Mammals of the South-west Pacific details the natural history for more than 180 species of marsupials, bats and rodents from 24 Pacific nations and territories. Species profiles are accompanied by distribution maps, illustrations and photographs – many being the first images ever captured for the species. By combining available knowledge with unpublished data collected over years of field work, Mammals of the South-west Pacific forms a definitive guide to the mammals from this region.


MAMMALS OF THE SOUTH-WEST PACIFIC

Tasmania and the continental shelf islands at their margins, coalesced into a single landmass. This period also saw many present-day islands joined into much larger landmasses. Key 'mega islands' formed at this time; their approximate land area and the islands incorporated into them are shown in Table 1.

Other smaller landmasses were formed from the fusion of various islands, while some landmasses simply grew in size. Fiji's Vanua Levu, for example, roughly doubled in size but did not join with any other large islands. In addition to this, some very large and entirely new landmasses were exposed above the sea. Considerable islands appeared off north-eastern Australia, while the Norfolk Rise

Table 1. Putative 'mega islands' formed by lowered sea levels of the Last Glacial Maximum, their approximate size and the member islands that were joined by land bridges to create them.

Greater Bukida	46 400 km²	Buka, Bougainville, Choiseul, Ngella, San Jorge, Shortland and Santa Isabel +/– Guadalcanal
Greater Gatumbangara	5600 km²	Kolombangara, Vonavona, New Georgia, Vanguru, Gatokae
Greater Trobriands	4000 km²	Goodenough, Fergusson, Normanby, Kiriwina
Greater Vellonga	2200 km²	Baga, Ranongga, Vella La Vella
Viti Levu	20 800 km²	Ovalau, Viti Levu and the Yasawa Group

The present-day islands of Fiji, New Caledonia and Vanuatu. Areas of land that were probably exposed during lowered sea levels of the Last Glacial Maximum have been identified in dark grey based on a 120 m bathymetric contour (prepared by Amante and Eakins 2009).

exposed an enormous area between Aotearoa New Zealand and New Caledonia, as did the Lord Howe Rise to a lesser extent. Smaller islands would have been exposed elsewhere throughout the South-west Pacific.

The island groups

Bismarck Archipelago and Manus

The Bismarck Archipelago is an extremely complex region, including up to five separate plates between

DETAILS

Publication: June 2023
Category: Professional & Scholarly
Extent: 360 pages
Dimensions: 245mm x 170mm
Binding: Hardback
RRP: AUD $220.00
ISBN: 9781486312627
Rights Sold: World English ex. Australia & New Zealand (CRC Press)
Rights Available: All languages ex. English

KEY SELLING POINTS

- Details the distribution, diet, reproduction, taxonomy and conservation of over 180 mammal species indigenous to the South-west Pacific.
- Species accounts cover prehistoric and modern introductions, and extinctions.
- Body measurements combined with listed diagnostic features, photographs and distribution maps will assist the reader with species identification.
- Provides a much-needed update to the mammalogy of the islands commonly grouped together under the banners of Melanesia, Micronesia and Polynesia.

ABOUT THE AUTHORS

Tyrone Lavery is a mammologist. He was first drawn to the South-west Pacific by a desire to search for undescribed species. He has studied many of its rare and unique mammals, discovering how they are related, where they occur and the threats they are facing. Tyrone endeavours to support Pacific Island communities through this research.

Tim Flannery is a palaeontologist, explorer and conservationist. From the late 1980s, Tim's focus shifted towards the living mammals of Melanesia and the Pacific Islands. In 1995 he published comprehensive works on the biologically rich regions of New Guinea and the Pacific. Tim maintains a role in Pacific Island conservation efforts today via relationships with organisations and communities in Melanesia.

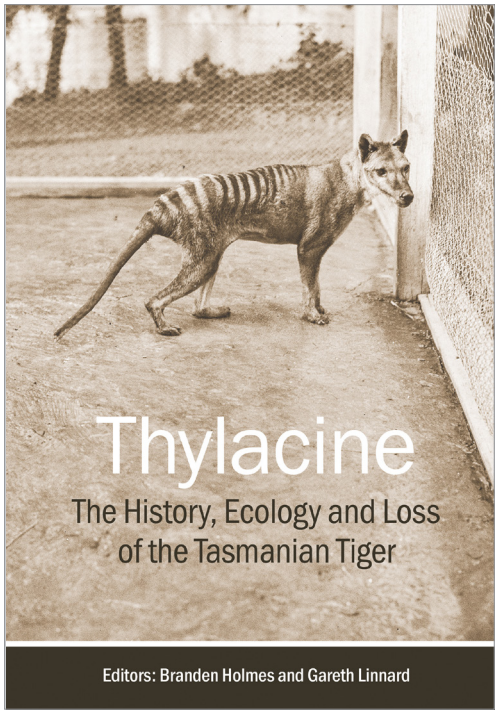
REVIEWS

"This book is a must have for anyone with a serious interest in the mammals of the region!" – *The Birdbooker Report*

"*Mammals of the South-west Pacific* is such a wonderful resource. It brings to life the multitudes of mammals in this remote part of the world" – *Cool Green Science*

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA



THYLACINE: THE HISTORY, ECOLOGY AND LOSS OF THE TASMANIAN TIGER

Profiles the iconic thylacine, its ecology, evolution, encounters with humans, and extinction.

Until the mid-20th century, the thylacine was the world's largest carnivorous marsupial, and its disappearance has left many questions and contradictions.

Alternately portrayed as a scourge and as a high value commodity, the thylacine's ecology and behaviour were known only anecdotally. In recent years, its taxonomic position, ecology, behaviour and body size have all been re-examined scientifically, while advances in genetics have presented the potential for de-extinction.

With 78 contributors, *Thylacine: The History, Ecology and Loss of the Tasmanian Tiger* presents an evidence-based profile of the thylacine, examining its ecology, evolution, encounters with humans, persecution, assumed extinction and its appearance in fiction. The final chapters explore the future for this iconic species – a symbol of extinction but also hope.

KEY SELLING POINTS

- Includes a diverse range of author contributions.
- Presents the best evidence to date for the species' post-1936 survival.
- Includes up-to-date recent literature and references.

AWARDS

Certificate of Commendation, The Royal Zoological Society of NSW 2023 Whitley Awards: Historical Zoology

DETAILS

Publication: March 2023
Category: Professional & Scholarly
Extent: 240 pages
Dimensions: 245mm x 170 mm
Binding: Paperback
RRP: AUD $59.99
ISBN: 9781486315536
Rights Available: World English ex. Australia & New Zealand, and all other languages

ABOUT THE EDITORS

Branden Holmes is a thylacine researcher who studies the earliest period of European–thylacine interactions and the resulting misperceptions. He jointly re-discovered the last known moving images of the species.

Gareth Linnard is a researcher who primarily specialises in the historical trade in thylacines during the 1920s and 1930s. Based in South Wales, he co-authored a revision of the identity of the last captive thylacine.

REVIEWS

"A newly published book has provided fresh perspectives on the thylacine, delving into everything from de-extinction efforts to the role of the internet in boosting the cultural profile of the extinct species. *Thylacine: The History, Ecology and Loss of the Tasmanian Tiger*, published by CSIRO, features the work of 78 contributors and is purported to be the first major summary of the available evidence relating to the carnivorous marsupial in 20 years." – *Herald Sun*

"This is a most creditable attempt to gather all possible information about the thylacine." – Papers and Proceedings of the THRA 70(1)

RETURN TO CONTENTS

RIGHTS Jordan Meek: jordan.meek@csiro.au publish.csiro.au
CSIRO Publishing, Private Bag 10, Clayton South, Melbourne, VIC 3169, AUSTRALIA

CONTACT US ›

For more information please contact:

Jordan Meek
Rights & Sales
E: jordan.meek@csiro.au
W: publish.csiro.au

CSIRO PUBLISHING AUSTRALIA
POSTAL: Private Bag 10, Clayton South, VIC 3169

CSIRO
PUBLISHING

FOLLOW US ›

To learn more about CSIRO Publishing and follow our stories check out our blog: https://blog.publish.csiro.au/

Here's a few of our latest posts:

Incredible Invertebrates: From adaptations to discoveries
Strong Scientific Posters: Presenting science concisely with Bruce Kirchoff

Also find us on:

Instagram
LinkedIn
Facebook
X (Twitter)