

Biology An Australian Perspective

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Australia's Empire Deryck Marshall Schreuder 2008-02-07
Australia's Empire is the first collaborative evaluation of Australia's imperial experience in more than a generation. Bringing together political, cultural, and aboriginal understandings of the past, it argues that the legacies of empire continue to influence the fabric of modern Australian society.

Mental Health in Australia Graham Meadows 2001 This book provides a comprehensive overview of mental health in Australia at the beginning of the new millennium. Containing a wealth of information and a rich diversity of perspectives, this book includes contributions from consumers, carers, managers, researchers and clinicians of many disciplines.

Monitoring Threatened Species and Ecological Communities Sarah Legge 2018-01-20 Monitoring is integral to all aspects of policy and management for threatened biodiversity. It is fundamental to assessing the conservation status and trends of listed species and ecological communities. Monitoring data can be used to diagnose the causes of decline, to measure management effectiveness and to report on investment. It is also a valuable public engagement tool. Yet in Australia, monitoring threatened biodiversity is not always optimally managed. Monitoring Threatened Species and Ecological Communities aims to improve the standard of monitoring for Australia's threatened biodiversity. It gathers insights from some of the most experienced managers and scientists involved with monitoring programs for threatened species and ecological communities in Australia, and evaluates current monitoring programs, establishing a baseline against which the quality of future monitoring activity can be managed. Case studies provide examples of practical pathways to improve the quality of biodiversity monitoring, and guidelines to improve future programs are proposed. This book will benefit scientists, conservation managers, policy makers and those with an interest in threatened species monitoring and management.

Recovering Australian Threatened Species Stephen Garnett 2018-03 Australia's nature is exceptional, wonderful and important. But much has been lost, and the ongoing existence of many species now hangs by a thread. Against a relentless tide of threats to our biodiversity, many Australians, and government and non-government agencies, have devoted themselves to the challenge of conserving and recovering plant and animal species that now need our help to survive. This dedication has been rewarded with some outstanding and inspiring successes: of extinctions averted, of populations increasing, of communities actively involved in recovery efforts. Recovering Australian Threatened Species showcases successful conservation stories and identifies approaches and implementation methods that have been most effective in recovering threatened species. These diverse accounts – dealing with threatened plants, invertebrates, fish, reptiles, birds and mammals – show that the conservation of threatened species is

achievable: that it can be done and should be done. They collectively serve to inform, guide and inspire other conservation efforts. This is a book of hope and inspiration. It shows that with dedication, knowledge and support, we can retain and restore our marvellous natural heritage, and gift to our descendants a world that is as diverse, healthy and beautiful as that which we have inherited.

Nelson Biology Units 3 and 4 for the Australian Curriculum Jacinta Duncan 2015 Written to the highest achievement standard, this visually engaging series brings Biology to life with clear language and relevant examples. New case studies and Scientific Literacy boxes in every chapter help students to connect with the study of Biology to the real world.

Advances in Reintroduction Biology of Australian and New Zealand Fauna Doug Armstrong 2015-05-15 The publication of Reintroduction Biology of Australian and New Zealand Fauna nearly 20 years ago introduced the new science of 'reintroduction biology'. Since then, there have been vast changes in our understanding of the process of reintroductions and other conservation-driven translocations, and corresponding changes in regulatory frameworks governing translocations. Advances in Reintroduction Biology of Australian and New Zealand Fauna is a timely review of our understanding of translocation from an Australasian perspective, ensuring translocation becomes an increasingly effective conservation management strategy in the future. Written by experts, including reintroduction practitioners, researchers and policy makers, the book includes extensive practical advice and example case studies, identifies emerging themes and suggests future directions. Conservation practitioners and researchers, as well as conservation management agencies and NGOs will find the book a valuable resource. Although it is based on Australasian examples, it will be of interest globally due to synergies with reintroduction programs throughout the world. 2015 Whitley Awards Certificate of Commendation for Conservation Biology.

The Invisible History of the Human Race Christine Kenneally 2014-10-09 • A New York Times Notable Book • "The richest, freshest, most fun book on genetics in some time." –The New York Times Book Review We are doomed to repeat history if we fail to learn from it, but how are we affected by the forces that are invisible to us? In *The Invisible History of the Human Race* Christine Kenneally draws on cutting-edge research to reveal how both historical artifacts and DNA tell us where we come from and where we may be going. While some books explore our genetic inheritance and popular television shows celebrate ancestry, this is the first book to explore how everything from DNA to emotions to names and the stories that form our lives are all part of our human legacy. Kenneally shows how trust is inherited in Africa, silence is passed down in Tasmania, and how the history of nations is written in our DNA. From fateful, ancient encounters to modern mass migrations and medical diagnoses, Kenneally explains how the forces that shaped the history of the world

ultimately shape each human who inhabits it. The Invisible History of the Human Race is a deeply researched, carefully crafted and provocative perspective on how our stories, psychology, and genetics affect our past and our future.

Optical Imaging Techniques in Cell Biology Guy Cox 2006-11-06 Since the word microscopy was coined in 1656, the evolution of the instrument has had a long and convoluted history. Plagued with problems of chromatic aberration, spherical aberration, and challenges with illumination and resolution, the microscope's technical progression happened in a series of fits and starts until the late 19th century. After E

Biology Lorraine M. Huxley 2004-09-01 Biology: An Australian Perspective has been updated to meet all the requirements of the revised Queensland Senior Biology Syllabus. The new edition is in full-colour and builds on the success of the first edition, offering a holistic view of biological science and allowing individual schools to develop their own work program and teach the material in any order.

Multimodal Literacy in School Science Len Unsworth 2022 This book establishes a new theoretical and practical framework for multimodal disciplinary literacy (MDL) fused with the subject-specific science pedagogies of senior high school biology, chemistry and physics. It builds a compatible alignment of multiple representation and representation construction approaches to science pedagogy with the social semiotic, systemic functional linguistic based approaches to explicit teaching of disciplinary literacy. The early part of the book explicates the transdisciplinary negotiated theoretical underpinning of the MDL framework, followed by the research-informed repertoire of learning experiences that are then articulated into a comprehensive framework of options for the planning of classroom work. Practical adoption and adaptation of the framework in biology, chemistry and physics classrooms are detailed in separate chapters. The latter chapters indicate the impact of the collaborative research on teachers' professional learning and students' multimodal disciplinary literacy engagement, concluding with proposals for accommodating emerging developments in MDL in an ever-changing digital communication world. The MDL framework is designed to enable teachers to develop all students' disciplinary literacy competencies. This book will be of interest to researchers, teacher educators and postgraduate students in the field of science education. It will also have appeal to those in literacy education and social semiotics.

The Oxford Handbook of Evolution, Biology, and Society Rosemary Hopcroft 2018 Evolution, biology, and society is a catch-all phrase encompassing any scholarly work that utilizes evolutionary theory and/or biological or behavioral genetic methods in the study of the human social group, and The Oxford Handbook of Evolution, Biology, and Society contains an much needed overview of research in the area by sociologists and other social scientists. The examined topics cover a wide variety of issues, including the origins of social solidarity; religious beliefs; sex differences; gender inequality; determinants of human happiness; the nature of social stratification and inequality and its effects; identity, status, and other group processes; race, ethnicity, and race discrimination; fertility and family processes; crime and deviance; and cultural and social change. The scholars whose work is presented in this volume come from a variety of disciplines in addition to sociology, including psychology, political science, and criminology. Yet, as the essays in this volume demonstrate, the potential of theory and methods from biology for illuminating social phenomena is clear, and sociologists stand to gain from learning more about them and using them in their own work. The theory focuses on evolution by natural selection, the primary paradigm of

the biological sciences, while the methods include the statistical analyses sociologists are familiar with, as well as other methods that they may not be familiar with, such as behavioral genetic methods, methods for including genetic factors in statistical analyses, gene-wide association studies, candidate gene studies, and methods for testing levels of hormones and other biochemicals in blood and saliva and including these factors in analyses. This work will be of interest to any sociologist with an interest in exploring the interaction of biological and sociological processes. As an introduction to the field it is useful for teaching upper-level or graduate students in sociology or a related social science.

The Evolution of the Sensitive Soul Simona Ginsburg 2019-03-12 A new theory about the origins of consciousness that finds learning to be the driving force in the evolutionary transition to basic consciousness. What marked the evolutionary transition from organisms that lacked consciousness to those with consciousness—to minimal subjective experiencing, or, as Aristotle described it, “the sensitive soul”? In this book, Simona Ginsburg and Eva Jablonka propose a new theory about the origin of consciousness that finds learning to be the driving force in the transition to basic consciousness. Using a methodology similar to that used by scientists when they identified the transition from non-life to life, Ginsburg and Jablonka suggest a set of criteria, identify a marker for the transition to minimal consciousness, and explore the far-reaching biological, psychological, and philosophical implications. After presenting the historical, neurobiological, and philosophical foundations of their analysis, Ginsburg and Jablonka propose that the evolutionary marker of basic or minimal consciousness is a complex form of associative learning, which they term unlimited associative learning (UAL). UAL enables an organism to ascribe motivational value to a novel, compound, non-reflex-inducing stimulus or action, and use it as the basis for future learning. Associative learning, Ginsburg and Jablonka argue, drove the Cambrian explosion and its massive diversification of organisms. Finally, Ginsburg and Jablonka propose symbolic language as a similar type of marker for the evolutionary transition to human rationality—to Aristotle's “rational soul.”

Practical Conservation Biology David Lindenmayer 2005-10-26 Practical Conservation Biology covers the complete array of topics that are central to conservation biology and natural resource management, thus providing the essential framework for undergraduate and post-graduate courses in these subject areas. Written by two of the world's leading environment experts, it is a ‘must have’ reference for environment professionals in government, non-government and industry sectors. The book reflects the latest thinking on key topics such as extinction risks, losses of genetic variability, threatening processes, fire effects, landscape fragmentation, habitat loss and vegetation clearing, reserve design, sustainable harvesting of natural populations, population viability analysis, risk assessment, conservation biology policy, human population growth and its impacts on biodiversity. Practical Conservation Biology deals primarily with the Australian context but also includes many overseas case studies. The book is the most comprehensive assessment of conservation topics in Australia and one of the most comprehensive worldwide. Winner of the 2006 Whitley Award for Best Conservation Text.

Humanising Mental Health Care in Australia Richard Benjamin 2019-02-18 Humanising Mental Health Care in Australia is a unique and innovative contribution to the healthcare literature that outlines the trauma-informed approaches necessary to provide a more compassionate model of care for those who suffer with mental illness.

The impact of abuse and trauma is frequently overlooked in this population, to the detriment of both individual and society. This work highlights the importance of recognising such a history and responding humanely. The book explores the trauma-informed perspective across four sections. The first outlines theory, constructs and effects of abuse and trauma. The second section addresses the effects of abuse and trauma on specific populations. The third section outlines a diverse range of individual treatment approaches. The final section takes a broader perspective, examining the importance of culture and training as well as the organisation and delivery of services. Written in an accessible style by a diverse group of national and international experts, *Humanising Mental Health Care in Australia* is an invaluable resource for mental health clinicians, the community managed and primary health sectors, policy makers and researchers, and will be a helpful reference for people who have experienced trauma and those who care for them.

Dirty Secrets Meredith Burgmann 2014-05-01 In this moving, funny and sometimes chilling book, leading Australians open their ASIO files and read what the state's security apparatus said about them. Writers from across the political spectrum including Mark Aarons, Phillip Adams, Nadia Wheatley, Michael Kirby, Peter Cundall, Gary Foley and Anne Summers confront – and in some cases reclaim – their pasts. Reflecting on the interpretations, observations and proclamations that anonymous officials make about your personal life is not easy. Yet we see outrage mixed with humour, not least as ASIO officers got basic information wrong a lot of the time, though many writers have to contend with personal betrayal. Some reflect on the way their political views have – or haven't – changed. Meredith Burgmann and all those who were spied on have produced an extraordinary book where those being watched look right back.

The Biology Book Units 1 and 2 Workbook Pam Borger 2018-02-06 The Biology Book supports the development and application of key knowledge and skills for students studying senior science in both Queensland and greater Australia. A consistent approach to each text's format supports student learning and exam preparation.

Australia's Dangerous Snakes Peter Mirtschin 2017-11-01 Australia's venomous snakes are widely viewed as the world's most deadly and are regarded with cautious curiosity, fascination and, regrettably, fear. *Australia's Dangerous Snakes* examines the biology, natural history, venom properties and bite treatment of medically important venomous marine and terrestrial snakes. It contains comprehensive identification profiles for each species, supported by keys and photographs. In addition to their medical importance, the environmental roles of these snakes and the threats that are causing the decline of many of these reptiles are discussed. Drawing on the authors' experience in the fields of herpetology, toxinology and clinical medicine, this book stimulates respect and admiration and dispels fear of Australia's fascinating snakes. *Australia's Dangerous Snakes* will provide hours of rewarding reading and valuable information for anyone interested in Australia's unique wildlife and natural history, and will be an essential reference for herpetologists, toxinologists, physicians, zoo personnel and private snake collectors.

Australia: A Very Short Introduction Kenneth Morgan 2012-05-31 In this Very Short Introduction Kenneth Morgan provides a wide-ranging and thematic introduction to modern Australia. He examines the main features of its history, geography, and culture since the beginning of the white settlement in New South Wales in 1788. Drawing attention to the distinctive features of Australian life he places contemporary developments in a historical perspective, highlighting the importance of Australia's indigenous culture and making connections

between Australia and the wider world. Balancing the successful growth of Australian institutions and democratic traditions, he considers the struggles that occurred in the making of modern Australia. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Seagrasses of Australia Anthony W. D. Larkum 2018-07-27 This book takes the place of "Biology of Seagrasses: A Treatise on the Biology of Seagrasses with Special Reference to the Australian Region", co-edited by A.W.D. Larkum, A.J. MacComb and S.A. Shepherd and published by Elsevier in 1989. The first book has been influential, but it is now 25 years since it was published and seagrass studies have progressed and developed considerably since then. The design of the current book follows in the steps of the first book. There are chapters on taxonomy, floral biology, biogeography and regional studies. The regional studies emphasize the importance of Australia having over half of the world's 62 species, including some ten species published for Australia since the previous book. There are a number of chapters on ecology and biogeography; fish biology and fisheries and dugong biology are prominent chapters. Physiological aspects again play an important part, including new knowledge on the role of hydrogen sulphide in sediments and on photosynthetic processes. Climate change, pollution and environmental degradation this time gain an even more important part of the book. Decline of seagrasses around Australia are also discussed in detail in several chapters. Since the first book was published two new areas have received special attention: blue carbon and genomic studies. Seagrasses are now known to be a very important player in the formation of blue carbon, i.e. carbon that has a long turnover time in soils and sediments. Alongside salt marshes and mangroves, seagrasses are now recognized as playing a very important role in the formation of blue carbon. And because Australia has such an abundance and variety of seagrasses, their role in blue carbon production and turnover is of great importance. The first whole genomes of seagrasses are now available and Australia has played an important role here. It appears that seagrasses have several different suites of genes as compared with other (land) plants and even in comparison with freshwater hydrophytes. This difference is leading to important molecular biological studies where the new knowledge will be important to the understanding and conservation of seagrass ecosystems in Australia. Thus by reason of its natural abundance of diverse seagrasses and a sophisticated seagrass research community in Australia it is possible to produce a book which will be attractive to marine biologists, coastal scientists and conservationists from many countries around the world.

Biology for Queensland Units 3 and 4 Workbook Jess Sautner 2019-10-14 The new Queensland Senior Biology syllabus affects all aspects of teaching and learning - new teaching content, new course structure and a new approach to assessment. As Secondary Publisher of the Year 2017 and 2018, Oxford University Press is committed to helping teachers and students in Queensland reach their full potential. *Biology for Queensland: An Australian Perspective Student workbooks* are standalone resources designed to help students succeed in their internal and external assessments. With an engaging design, full-colour photos and relevant diagrams throughout, the Student workbooks include: a Toolkit chapter focused on internal assessments and cognitive verbs Data drill activities that help students develop the key skills in analysis and interpretation required

for the Data testExperiment explorer activities that support the modification of a practical as required in the Student experimentResearch review activities that allow students to practise how to evaluate a claim and identify credible sources for the Research investigationExam excellence activities that allow students to practice multiple choice and short answer questions in preparation for the external examinationhandy study tips throughout the chapterspractice internal assessments for the Data test, Student experiment and Research investigationwrite-in worksheets for all mandatory and suggested practicalsappendices such as the periodic table and formulasanswers to all activities and practice assessments.

Nelson Biology Units 1 and 2 for the Australian Curriculum Genevieve Martin 2014-10-31 Written to the highest achievement standard, this visually engaging series brings Biology to life with clear language and relevant examples. New case studies and Scientific Literacy boxes in every chapter help students to connect with the study of Biology to the real world.

Biology for Queensland Units 1 and 2 Workbook Jess Sautner 2019-12-18 The new Queensland Senior Biology syllabus affects all aspects of teaching and learning - new teaching content, new course structure and a new approach to assessment. As EPAA Secondary Publisher of the Year 2017, 2018 and 2019, Oxford University Press is committed to helping teachers and students in Queensland reach their full potential. Biology for Queensland: An Australian Perspective Student workbooks are standalone resources designed to help students succeed in their internal and external assessments. With an engaging design, full-colour photos and relevant diagrams throughout, the Student workbooks include:a Toolkit chapter focused on internal assessments and cognitive verbsData drill activities that help students develop the key skills in analysis and interpretation required for the Data testExperiment explorer activities that support the modification of a practical as required in the Student experimentResearch review activities that allow students to practise how to evaluate a claim and identify credible sources for the Research investigationExam excellence activities that allow students to practice multiple choice and short answer questions in preparation for the external examinationhandy study tips throughout the chapterspractice internal assessments for the Data test, Student experiment and Research investigationwrite-in worksheets for all mandatory and suggested practicalsappendices such as the periodic table and formulasanswers to all activities and practice assessments.

Biology of Australian Butterflies R. L. Kitching 1999 Brings together exciting accounts of life history strategies of a range of species, as well as background information on general butterfly behaviour, taxonomy and evolutionary aspects.

Oceanography and Marine Biology S. J. Hawkins 2018-09-03 Chapter 3 of this book is freely available as a downloadable Open Access PDF under a Creative Commons Attribution-Non Commercial-No Derivatives 3.0 license. https://s3-us-west-2.amazonaws.com/tandfbis/rt-files/docs/Open+Access+Chapters/9781138318625_oachapter3.pdf Oceanography and Marine Biology: An Annual Review remains one of the most cited sources in marine science and oceanography. The ever increasing interest in work in oceanography and marine biology and its relevance to global environmental issues, especially global climate change and its impacts, creates a demand for authoritative reviews summarizing the results of recent research. OMBAR has catered to this demand since its foundation more than 50 years ago. Following the favourable reception and complimentary reviews accorded to all the volumes, Volume 56 continues to regard the

marine sciences—with all their various aspects—as a unity. Physical, chemical, and biological aspects of marine science are dealt with by experts actively engaged in these fields, and every chapter is peer-reviewed by other experts working actively in the specific areas of interest. The series is an essential reference text for researchers and students in all fields of marine science and related subjects, and it finds a place in libraries of universities, marine laboratories, research institutes and government departments.

The Fourth Industrial Revolution Klaus Schwab 2017-01-03 The founder and executive chairman of the World Economic Forum on how the impending technological revolution will change our lives We are on the brink of the Fourth Industrial Revolution. And this one will be unlike any other in human history. Characterized by new technologies fusing the physical, digital and biological worlds, the Fourth Industrial Revolution will impact all disciplines, economies and industries - and it will do so at an unprecedented rate. World Economic Forum data predicts that by 2025 we will see: commercial use of nanomaterials 200 times stronger than steel and a million times thinner than human hair; the first transplant of a 3D-printed liver; 10% of all cars on US roads being driverless; and much more besides. In The Fourth Industrial Revolution, Schwab outlines the key technologies driving this revolution, discusses the major impacts on governments, businesses, civil society and individuals, and offers bold ideas for what can be done to shape a better future for all.

Pearson Biology Queensland 11 Skills and Assessment Book Yvonne Sanders 2018-10-11 Introducing the Pearson Biology 11 Queensland Skills and Assessment Book. Fully aligned to the new QCE 2019 Syllabus. Write in Skills and Assessment Book written to support teaching and learning across all requirements of the new Syllabus, providing practice, application and consolidation of learning. Opportunities to apply and practice performing calculations and using algorithms are integrated throughout worksheets, practical activities and question sets. All activities are mapped from the Student Book at the recommend point of engagement in the teaching program, making integration of practice and rich learning activities a seamless inclusion. Developed by highly experienced and expert author teams, with lead Queensland specialists who have a working understand what teachers are looking for to support working with a new syllabus.

The Australian Biology Dictionary David Heffernan 1997
Pearson Biology Queensland 12 Skills and Assessment Book Yvonne Sanders 2018-09-04 Introducing the Pearson Biology 12 Queensland Skills and Assessment Book. Fully aligned to the new QCE 2019 Syllabus. Write in Skills and Assessment Book written to support teaching and learning across all requirements of the new Syllabus, providing practice, application and consolidation of learning. Opportunities to apply and practice performing calculations and using algorithms are integrated throughout worksheets, practical activities and question sets. All activities are mapped from the Student Book at the recommend point of engagement in the teaching program, making integration of practice and rich learning activities a seamless inclusion. Developed by highly experienced and expert author teams, with lead Queensland specialists who have a working understand what teachers are looking for to support working with a new syllabus.

Biology, Ecology and Systematics of Australian Scelio Paul Dangerfield 2001-12-01 Parasitic wasps of the genus Scelio play an important role in the regulation of orthopteran populations and are implicated in suppressing numbers of numerous pest locusts and grasshoppers. This landmark volume provides a full taxonomic treatment of the sixty species of Scelio found

on the Australian continent and reviews in detail the biology and ecology and host relationships of *Scelio* on a worldwide basis. Taking an international perspective, the text outlines our current knowledge on topics such as host finding, population biology, and methods and techniques for collection and study in the field. The use of *Scelio* as biological control agents is discussed and comprehensive checklists document the recorded host relationships of each known species worldwide. There is a full taxonomic revision of all Australian species of *Scelio*, half of which are newly described. Each species description is complemented with high-quality line drawings, micrographs and distribution maps. In addition, an illustrated key to species enables easy identification of species by non-taxonomists. *Biology, Ecology and Systematics of Australian Scelio* provides wasp taxonomists, researchers of orthoptera and biological control workers with a basis for detailed studies elsewhere on this economically important group of insects.

Rethinking Invasion Ecologies from the Environmental Humanities Jodi Frawley 2014-02-24 Research from a humanist perspective has much to offer in interrogating the social and cultural ramifications of invasion ecologies. The impossibility of securing national boundaries against accidental transfer and the unpredictable climatic changes of our time have introduced new dimensions and hazards to this old issue. Written by a team of international scholars, this book allows us to rethink the impact on national, regional or local ecologies of the deliberate or accidental introduction of foreign species, plant and animal. Modern environmental approaches that treat nature with naïve realism or mobilize it as a moral absolute, unaware or unwilling to accept that it is informed by specific cultural and temporal values, are doomed to fail. Instead, this book shows that we need to understand the complex interactions of ecologies and societies in the past, present and future over the Anthropocene, in order to address problems of the global environmental crisis. It demonstrates how humanistic methods and disciplines can be used to bring fresh clarity and perspective on this long vexed aspect of environmental thought and practice. Students and researchers in environmental studies, invasion ecology, conservation biology, environmental ethics, environmental history and environmental policy will welcome this major contribution to environmental humanities.

The Light Between Oceans M.L. Stedman 2012-07-31 "A novel set on a remote Australian island, where a childless couple live quietly running a lighthouse, until a boat carrying a baby washes ashore"--

[Excel HSC Biology](#) Diane Alford 2008

The Law of Torts in Australia Francis A. Trindade 1993 This revised edition provides an up-to-date and comprehensive account of the Australian law of torts. It presents the law of torts from an Australian perspective, without neglecting to examine its British roots. It includes a discussion of the latest in product liability, negligence, and malicious prosecution and abuse of process. The book also explores economic torts and recent changes in litigation. Clearly written, this work will interest the student and professional involved in international law.

The Nexus of Law and Biology Barbara Ann Hocking 2016-02-17 Although law and science have interacted for centuries, today their interactions pose enormous challenges. These challenges are reflected in issues ranging from reproductive technology and resource conservation, to genetic technology and biological warfare. The emerging dialogue is complex and requires an ongoing re-thinking of general principles, such as expert biological evidence, which features in a wide range of legal contexts, and including medical law,

torts, crime and intellectual property. Studying the many ways in which law and biology come together in many areas of contemporary life, *The Nexus of Law and Biology: New Ethical Challenges* explores the juridical uses of biological sciences to illuminate key issues and contemporary intersections, arguing that each of several disciplines must communicate with one another, recognizing a common ground in ethics. Featuring an impressive list of contributors, this book is an invaluable reference for legal scholars, students, practising lawyers and scientists engaged with the legal system.

Human Perspectives Terry J. Newton 2010

Carnivores of Australia Alistair Glen 2014-11-05 The Australian continent provides a unique perspective on the evolution and ecology of carnivorous animals. In earlier ages, Australia provided the arena for a spectacular radiation of marsupial and reptilian predators. The causes of their extinctions are still the subject of debate. Since European settlement, Australia has seen the extinction of one large marsupial predator (the thylacine), another (the Tasmanian devil) is in danger of imminent extinction, and still others have suffered dramatic declines. By contrast, two recently-introduced predators, the fox and cat, have been spectacularly successful, with devastating impacts on the Australian fauna. *Carnivores of Australia: Past, Present and Future* explores Australia's unique predator communities from pre-historic, historic and current perspectives. It covers mammalian, reptilian and avian carnivores, both native and introduced to Australia. It also examines the debate surrounding how best to manage predators to protect livestock and native biodiversity. Readers will benefit from the most up-to-date synthesis by leading researchers and managers in the field of carnivore biology. By emphasising Australian carnivores as exemplars of flesh-eaters in other parts of the world, this book will be an important reference for researchers, wildlife managers and students worldwide.

Serpula Lacrymans D. H. Jennings 1991-11-27 Draws together present knowledge about the fungus *Serpula lacrymans*, which causes dry rot in buildings by attacking timber. Emphasis is placed on the behavior of the fungus in buildings since it appears to be occupying a specialized ecological niche. Provides information on practical matters such as detection of the fungus in a building, eradication and prevention, and also provides information about a fungus of great intrinsic scientific interest.

Reintroduction Biology John G. Ewen 2012-01-30 This book aims to further advance the field of reintroduction biology beyond the considerable progress made since the formation of the IUCN/SSC Re-introduction Specialist Group. Using an issue-based framework that purposely avoids a structure based on case studies the book's central theme is advocating a strategic approach to reintroduction where all actions are guided by explicit theoretical frameworks based on clearly defined objectives. Issues covered include husbandry and intensive management, monitoring, and genetic and health management. Although taxonomically neutral there is a recognised dominance of bird and mammal studies that reflects the published research in this field. The structure and content are designed for use by people wanting to bridge the research-management gap, such as conservation managers wanting to expand their thinking about reintroduction-related decisions, or researchers who seek to make useful applied contributions to reintroduction.

Biology - An Australian Perspective Lorraine M. Huxley 2006-01-01 *Biology: An Australian Perspective* provides complete and detailed guidelines for completing all of the experiments in the Student Text.

Artificial Photosynthesis Anthony F. Collings 2007-09-24 Since the events crucial to plant photosynthesis are now

known in molecular detail, this process is no longer nature's secret, but can for the first time be mimicked by technology. Broad in its scope, this book spans the basics of biological photosynthesis right up to the current approaches for its technical exploitation, making it the most complete resource on artificial photosynthesis ever published. The contents draw on the

expertise of the Australian Artificial Photosynthesis Network, currently the world's largest coordinated research effort to develop effective photosynthesis technology. This is further backed by expert contributions from around the globe, providing an authoritative overview of current research worldwide.