

# ***Pacific Circle Newsletter***

***4,3 (8 October 2023)***

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## **Members' News**

Paul Kreitman, *Japan's Ocean Borderlands: Nature and Sovereignty* (Cambridge Oceanic Histories) Cambridge: Cambridge University Press, 2023.

doi:10.1017/9781108779241

Desert islands are the focus of intense geopolitical tensions in East Asia today, but they are also sites of nature conservation. In this global environmental history, Paul Kreitman (Columbia University, New York) shows how the politics of conservation have entangled with the politics of sovereignty since the emergence of the modern Japanese state in the mid-nineteenth century. Using case studies ranging from Hawai'i to the Bonin Islands to the Senkaku (Ch: Diaoyu) Isles to the South China Sea, he explores how bird islands on the distant margins of the Japanese archipelago and beyond transformed from sites of resource extraction to outposts of empire and from wartime battlegrounds to nature reserves. This study examines how interactions between birds, bird products, bureaucrats, speculators, sailors, soldiers, scientists and conservationists shaped ongoing claims to sovereignty over oceanic spaces. It considers what the history of desert islands shows us about imperial and post-imperial power, the web of political, economic and ecological connections between islands and oceans, and about the relationship between sovereignty, territory and environment in the modern world.

# **Employment and Fellowships**

**The Interdisciplinary Centre for Science and Technology Studies,**

**University of Wuppertal (Germany) invites applications for:**

**Assistant Professorship (W 1) for “History of Science and Technology”**

**Application deadline: 23 October 2023**

We expect you to be familiar with the concepts and methods of current history and technology of science. In addition, preference will be given to candidates with a specialisation in the history of technology or environmental history as well as in the history of technological knowledge and material culture with a special focus on gender aspects. The position will be based in the history department and teaching will take place as part of the curriculum of the history department. The successful candidate is expected to actively contribute to the Research Training Group 2696 “Transformations of Science and Technology since 1800”, and to the work of the IZWT. In particular, we expect the capability to combine historical, philosophical and sociological perspectives and the willingness to actively cooperate with the social sciences as well as with the departments of science and engineering at Wuppertal University.

## **Requirements:**

- A university degree, e.g. in history of science and/or technology, history
- A particular aptitude for scientific work, usually demonstrated by the outstanding quality of a respective doctorate
- Suitability for teaching, which is proven by appropriate previous experience or demonstrated by excellent performance during the appointment procedure
- A record of relevant empirical research and publication activities (in particular articles in peer-reviewed journals)
- Experience in attracting external funding to support research projects as well as active participation in research programmes
- International orientation (e.g. stays abroad, international contacts, international lectures or publications)

The successful candidate helps to realise the equality of men and women at the University.

Reference code: **P23009**

Applications, including a CV, copies of certificates, a list of publications and a list of previous teaching experiences, should be addressed to Prof. Dr. Volker Remmert and solely submitted via the online portal of the University of Wuppertal: <https://stellenausschreibungen.uni-wuppertal.de>.

Kindly note that incomplete applications will not be considered.

The University of Wuppertal is an equal opportunity employer. Applications from persons of any gender are highly welcome. In accordance with the Gender Equality Act of North Rhine-Westphalia women will be given preferential consideration unless there are compelling reasons in favor of an applicant who is not female. The same applies to applications from disabled persons, who will be given preference in the case of equal suitability.


## Featured Journals

New for [Journal of the Royal Society of New Zealand](#) and online now on [Taylor & Francis Online](#)




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### Research Article

[Aotearoa's linguistic landscape: exploring the use of te reo Māori in English-medium early childhood education](#) |  **OPEN ACCESS**

Yvonne Awhina Mitchell, Bree-Anna Thomas, Amanda E. Clifford, Georgia Hayley Kittow & Elaine Reese

Pages: 1-21 | DOI: 10.1080/03036758.2023.2256246

[A cross-sectional online survey of depression symptoms among New Zealand's Asian community in the first 10 months of the COVID-19 pandemic](#) |  **OPEN ACCESS**

Richard J. Siegert, Andrew Zhu, Xiaoyun Jia, Guanyu Jason Ran, Nigel French, David Johnston, Jun Lu & Liangni Sally Liu  
Pages: 1-15 | DOI: 10.1080/03036758.2023.2251900

[Defining our legacy to all future generations](#) |  OPEN ACCESS


Trevor Daya-Winterbottom  
Pages: 1-14 | DOI: 10.1080/03036758.2023.2241375

### **Special issue: Fossil vertebrates from southern Zealandia**

[In search of the origin of crown Mysticeti](#) |  OPEN ACCESS

Cheng-Hsiu Tsai  
Pages: 1-14 | DOI: 10.1080/03036758.2023.2249410

### **Special issue: New Zealand and Antarctica in a changing climate**

[Climate change adaptation through an integrative lens in Aotearoa New Zealand](#) |  OPEN ACCESS

Judy Lawrence, Anita Wreford, Paula Blackett, David Hall, Alistair Woodward, Shaun Awatere, Mary E. Livingston, Cate Macinnis-Ng, Susan Walker, Joanna Fountain, Mark John Costello, Anne-Gaelle E. Ausseil, Michael S. Watt, Sam M. Dean, Nicholas A. Cradock-Henry, Christian Zammit & Taciano L. Milfont  
Pages: 1-32 | DOI: 10.1080/03036758.2023.2236033

### **Research Article**

[Identifying strategic research priorities of stakeholders for fetal alcohol spectrum disorder in Aotearoa](#)

Joanna T. W. Chu, Janell Dymus-Kurei, Jessica C. McCormack, Andre D. McLachlan, Samantha Marsh, Holly Wilson & David Newcombe  
Pages: 1-16 | DOI: 10.1080/03036758.2023.2241847

[A new multi-object tracking pipeline based on computer vision techniques for mussel farms](#) |  OPEN ACCESS

Dylon Zeng, Ivy Liu, Ying Bi, Ross Vennell, Dana Briscoe, Bing Xue & Mengjie Zhang  
Pages: 1-20 | DOI: 10.1080/03036758.2023.2240466

## Ngā Kete: The annual collection of reviews

[Negligence by IVF providers: injury on being born?\\*](#) |

 OPEN ACCESS

Stephen Todd

Pages: 1-16 | DOI: 10.1080/03036758.2023.2230903

## Research Article

[Melting ice and rising seas – connecting projected change in Antarctica’s ice sheets to communities in Aotearoa New Zealand](#) |

 OPEN ACCESS

Richard Levy, Timothy Naish, Daniel Lowry, Rebecca Priestley, Rachelle Winefield, Alanna Alevropolous-Borrill, Emory Beck, Rob Bell, Graeme Blick, Ruzica Dadic, Tasman Gillies, Nicholas Golledge, Zoe Heine, Stefan Jendersie, Judy Lawrence, Katherine O’Leary, Ryan Paulik, Ceridwyn Roberts, Mike Taitoko & Natalie Trayling

Pages: 1-24 | DOI: 10.1080/03036758.2023.2232743

[‘Is it worth potentially dealing with someone who won't get it?': LGBTQA+ university students’ perspectives on mental health care](#) |

 OPEN ACCESS

Claudia Garcia, Eddy Grant, Gareth J. Treharne, Hitaua Arahanga-Doyle, Mathijs F. G. Lucassen, Damian Scarf, Mele Taumoepeau, Jaimie Veale & Charlene Rapsey

Pages: 1-15 | DOI: 10.1080/03036758.2023.2235297


[Creating an environment to inform, build, and sustain a Māori health research workforce](#) |

 OPEN ACCESS

Nikki M. Barrett, Reigna Morgan, Jade Tamatea, Amy Jones, Polly Atatoa Carr, Ross Lawrenson & Nina Scott

Pages: 1-15 | DOI: 10.1080/03036758.2023.2235303


## Special issue: Fossil vertebrates from southern Zealandia

[Revisiting Eothyrsites holosquamatus Chapman \(Trichiuroidea: Gempylidae\), an Eocene gemfish from the Burnside Mudstone, Dunedin, New Zealand](#) |  OPEN ACCESS

Seabourne Rust & Jeffrey H. Robinson

Pages: 1-18 | DOI: 10.1080/03036758.2023.2228211

## Ngā Kete: The annual collection of reviews

[‘A long want’: an archival exploration of scurvy in the Otago goldfields of New Zealand](#) |  OPEN ACCESS

Hallie R. Buckley, Melandri Vlok, Peter Petchey & Neville Ritchie

Pages: 1-22 | DOI: 10.1080/03036758.2023.2225860

## Special issue: New Zealand and Antarctica in a changing climate

[Climate change, risk perceptions and barriers to adaptation among forest growers in New Zealand](#) |  OPEN ACCESS

Grace B. Villamor, Steve J. Wakelin & Peter W. Clinton

Pages: 1-16 | DOI: 10.1080/03036758.2023.2218103

## Research Article

[Reference conditions and threshold values for nitrate-nitrogen in New Zealand groundwaters](#) |  OPEN ACCESS

Christopher J. Daughney, Uwe Morgenstern, Magali Moreau & Richard W. McDowell

Pages: 1-31 | DOI: 10.1080/03036758.2023.2221034

## Special issue: New Zealand and Antarctica in a changing climate

[The need to reconfigure consistency and variability to best manage changing flood risks in Aotearoa-New Zealand](#) |  OPEN ACCESS

Silvia Serrao-Neumann, Iain White, Samuel M. Dean, Ryan Paulik, Belinda Sleight, Fernanda Terra Stori, Matthew D. Wilson & Emily M. Lane

Pages: 1-18 | DOI: 10.1080/03036758.2023.2211777

[Managing Aotearoa New Zealand's greenhouse gas emissions from aviation](#) |  OPEN ACCESS

Paul Callister & Robert I. McLachlan

Pages: 1-21 | DOI: 10.1080/03036758.2023.2212174

## Review Article

[Knowledge, mātauranga and science: reflective learning from the interface](#) |  OPEN ACCESS

Caroline Saunders, Paul Dalziel, John Reid & Andrew McCallum

Pages: 1-22 | DOI: 10.1080/03036758.2023.2202408


## Ngā Kete: The annual collection of reviews

[The life course and oral health in old age](#) |  OPEN ACCESS

William M. Thomson

Pages: 1-9 | DOI: 10.1080/03036758.2023.2203933

## Special issue: Evolutionary biogeography

[Exceptional endemism of Aotearoa New Zealand biota shows how taxa dispersal traits, but not phylogeny, correlate with global species richness](#) |  OPEN ACCESS

Mark John Costello

Pages: 1-16 | DOI: 10.1080/03036758.2023.2198722

## Research Article

[Assessing the energy storage potential of electric hot water cylinders with stochastic model-based control](#) |  OPEN ACCESS

Baxter Williams, Daniel Bishop & Paul Docherty


Pages: 1-17 | DOI: 10.1080/03036758.2023.2197241

[Pathogenicity and host range of \*Pseudocercospora fumosa\*, a potential biological control agent for moth plant \(\*Araujia hortorum\*\) in New Zealand](#)

Gustavo Hernán Ramírez, María Virginia Bianchinotti & Freda Elizabeth Anderson

Pages: 1-11 | DOI: 10.1080/03036758.2023.2190132

## Ngā Kete: The annual collection of reviews

[Understanding New Zealand firm innovation: exploring human resource factors by firm size and strength](#) |  OPEN ACCESS

Jarrood Haar & Conor O’Kane

Pages: 1-18 | DOI: 10.1080/03036758.2023.2180761

[He Kāinga Oranga: reflections on 25 years of measuring the improved health, wellbeing and sustainability of healthier housing\\*](#) |  OPEN ACCESS

Philippa Howden-Chapman, Julian Crane, Michael Keall, Nevil Pierse, Michael G. Baker, Chris Cunningham, Kate Amore, Clare Aspinall, Julie Bennett, Sarah Bierre, Mikael Boulic, Ralph Chapman, Elinor Chisholm, Cheryl Davies, Geoff Fougere, Brodie Fraser, Caro Fyfe, Libby Grant, Arthur Grimes, Caroline Halley, Amber Logan-Riley, Kim Nathan, Crystal Olin, Jenny Ombler, Kimberley O’Sullivan, Tiria Pehi, Guy Penny, Robyn Phipps, Manfred Plagman, Edward Randal, Lynn Riggs, Bridget Robson, Jacinta Ruru, Caroline Shaw, Ben Schrader, Mary Anne Teariki, Lucy Telfar Barnard, Ramona Tiatia, Bridgette Toy-Cronin, Hope Tupara, Helen Viggers, Teresa Wall, Marg Wilkie, Alistair Woodward & Wei Zhang

Pages: 1-26 | DOI: 10.1080/03036758.2023.2170427



[Envisioning a sustainable future for space launches: a review of current research and policy](#)

Tyler F. M. Brown, Michele T. Bannister & Laura E. Revell

Pages: 1-17 | DOI: 10.1080/03036758.2022.2152467


## VIEWPOINT

[Building sustainable health data capability in Aotearoa New Zealand: opportunities and challenges highlighted through COVID-19](#) |  OPEN ACCESS

Giulio Valentino Dalla Riva, Shaun Hendy, Kevin Ross & Andrew Sporle

Pages: 1-7 | DOI: 10.1080/03036758.2022.2141806

## Review Article

[Māori and the Integrated Data Infrastructure: an assessment of the data system and suggestions to realise Māori data aspirations \[Te Māori me te Integrated Data Infrastructure: he aromatawai i te pūnaha raraunga me ngā marohitanga e poipoia ai ngā wawata raraunga Māori\]](#) |  OPEN ACCESS

Lara M. Greaves, Cinnamon Lindsay Latimer, Emerald Muriwai, Charlotte Moore, Eileen Li, Andrew Sporle, Terryann C. Clark & Barry J. Milne

Pages: 1-17 | DOI: 10.1080/03036758.2022.2154368

## Viewpoint

[Floating photovoltaic systems: potential implications for Aotearoa New Zealand](#)

Alan Colin Brent, Donald MacKenzie & James Hinkley

Pages: 1-9 | DOI: 10.1080/03036758.2022.2152466

## Ngā Kete: The annual collection of reviews

[Growing for good: producing a healthy, low greenhouse gas and water quality footprint diet in Aotearoa, New Zealand](#) |  OPEN ACCESS

Richard W. McDowell, Alexander Herzig, Tony J. van der Weerden, Christine Cleghorn & William Kaye-Blake

Pages: 1-25 | DOI: 10.1080/03036758.2022.2137532

### **Special issue: Evolutionary biogeography**

[Key questions on the evolution and biogeography of New Zealand alpine insects](#)

Thomas R. Buckley, Robert J. B. Hoare & Richard A. B. Leschen

Pages: 1-25 | DOI: 10.1080/03036758.2022.2130367

### **The MedTech CoRE & CMDT special issue**

[A review of chyme reinfusion: new tech solutions for age old problems](#) |  OPEN ACCESS

Chen Liu, Sameer Bhat, Ian Bissett & Gregory O'Grady

Pages: 1-16 | DOI: 10.1080/03036758.2022.2117832

[Case study of user experience-driven design in a new local anaesthetic dentistry jet injection device](#)

Kate Weatherly, Paul Brunton, Carolina Loch, James W. McKeage, Bryan P. Ruddy, Andrew J. Taberner & David E. White

Pages: 1-13 | DOI: 10.1080/03036758.2022.2113809

### **Special issue: Evolutionary biogeography**

[Diversification and trait evolution in New Zealand woody lineages across changing biomes](#)

Esther E. Dale, Matthew J. Larcombe, Benjamin C. M. Potter & William G. Lee

Pages: 1-26 | DOI: 10.1080/03036758.2022.2108071

[Thirty years of ancient DNA and the faunal biogeography of Aotearoa New Zealand: lessons and future directions](#)

Alexander J. F. Verry, Pascale Lubbe, Kieren J. Mitchell & Nicolas J. Rawlence

Pages: 1-23 | DOI: 10.1080/03036758.2022.2093227

[Eco-evolutionary priority and the assembly of the New Zealand flora](#)

Matt S. McGlone, Peter B. Heenan & George L. W. Perry

Pages: 1-20 | DOI: 10.1080/03036758.2022.2076703

[Phylogeography reveals the complex impact of the Last Glacial Maximum on New Zealand's terrestrial biota](#)

Katharine A. Marske & Sarah L. Boyer

Pages: 1-22 | DOI: 10.1080/03036758.2022.2079682

[Insights into Aotearoa New Zealand's biogeographic history provided by the study of natural hybrid zones](#)

Lara Shepherd, Chris Simon, Shelley Langton-Myers & Mary Morgan-Richards

Pages: 1-20 | DOI: 10.1080/03036758.2022.2061020

## **Isis**

[Volume 114, Number S1 | September 2023](#)

[Bibliographic Essays on the History of Pandemics: An ISIS Special Issue](#)

### **[Scholarship in the Time of COVID-19: An Introduction to the IsisCB Special Issue on Pandemics](#)**

Neeraja Sankaran and Stephen P. Weldon

#### UNDERSTANDING PANDEMICS AND EPIDEMICS

### **[A Short Introduction into the English-Language Historiography of Epidemiology](#)**

Lukas Engelmann

### **[Emerging Infectious Diseases and Disease Emergence: Critical, Ontological and Epistemological Approaches](#)**

Matheus Alves Duarte da Silva and Jules Skotnes-Brown

### **[Vaccination and Pandemics](#)**

Dora Vargha and Imogen Wilkins

**Coinfection, Comorbidity, and Syndemics: On the Edges of Epidemic Historiography**

Lukas Engelmann

SPECIFIC DISEASES

**Making Microbes: Theorizing the Invisible in Historical Scholarship**

James Stark

**Historical Literature Related to Zoonoses and Pandemics**

Barbara Canavan

**The “Spanish” Flu and the Pandemic Imaginary**

Mark Honigsbaum

**Pandemic Responses and the Strengths of Health Systems: A Review of Global AIDS Historiography in Light of COVID-19**

Reiko Kanazawa

SOCIAL AND POLITICAL ISSUES

**Epidemic Inequities: Social and Racial Inequality in the History of Pandemics**

Michael F. McGovern and Keith A. Wailoo

**The Limits of Linearity: Recasting Histories of Epidemics in the Global South**

Valentina Parisi and Kavita Sivaramakrishnan

## PRE-MODERN CONTEXTS

### **Pandemics in the Ancient Mediterranean World**

Rebecca Flemming

### **Plague in the Mediterranean and Islamicate World**

Nükhet Varlık

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### **Epidemic Histories in East Asia**

Robert Peckham and Mei Li

### **History of Pandemics in Southeast Asia: A Return of National Anxieties?**

Vivek Neelakantan

### **COVID-19 Response in South Asia: Case Studies from India, Sri Lanka, and Pakistan**

Arnab Chakraborty

### **The European Perspective on Pandemics**

Leander Diener and Flurin Condrau

### **History of Pandemics in Latin America**

José Ragas

## LINGUISTIC CONTEXTS

### **History of Epidemics: A Bibliographical Essay on Secondary Sources in Italian and on Italy**

Maria Conforti

### **A Survey of Historical Works on Pandemics in the German Language**

Heiner Fangerau, Ulrich Koppitz, and Alfons Labisch

## CONCLUSION

### **Conclusion: What It Means**

Emily Hamilton

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José Ragas

Email Alert | 3 October 2023

### PACIFIC CONSERVATION BIOLOGY



Volume 29(5) 2023



Welcome to the latest contents alert for **Pacific Conservation Biology**.

This issue's Editor-choice paper is '[Community-driven shark monitoring for informed decision making: a case study from Fiji](#)' by C. A. Ward-Paige *et al.* and is published Open Access.

To view articles that have been published **Online Early** before they have been collated into an issue, visit the [Journal's website](#). Alternatively, subscribe to its [RSS feed](#) to be alerted when new articles are published.

Contents

Considerations in the protection of marsupial gliders and other mature-forest dependent fauna in areas of intensive logging in the tall forests of Victoria, Australia

Grant W. Wardell-Johnson and Todd P. Robinson

Ten considerations are provided to protect mature-forest-dependent marsupial gliders and their habitat from intensive logging in Victoria, Australia.

[Abstract](#) | [Full Text](#) | [PDF \(3.3 MB\)](#) Open Access Article

### Seven urgent actions to prevent the extinction of the critically endangered Leadbeater's possum (*Gymnobelideus leadbeateri*)

Dan Harley and Dan Harley

The conservation of the critically endangered Leadbeater's possum is examined and several gaps identified in the recovery program, which lacks stated targets or coordination. Logging, bushfire and climate change pose significant threats. Seven urgent actions, including the cessation of logging, are recommended to prevent the extinction of this forest-dependent species.

[Abstract](#) | [Full Text](#) | [PDF \(701 KB\)](#)

### Not just a flash in the pan: short and long term impacts of fireworks on the environment

Philip W. Bateman, Lauren N. Gilson and Penelope Bradshaw

Fireworks displays are spectacular but have a dark side. Most people are aware that fireworks can scare our pets, but their effect – both short and long term – on wildlife and the environment, and on our health, can be enormous.

Fireworks produce not just lights and noise, which can scare breeding and migrating birds and other animals, but also deposit pollutants into air, plants and water. It's time for something new.

[Abstract](#) | [Full Text](#) | [PDF \(796 KB\)](#) Open Access Article

### Community-driven shark monitoring for informed decision making: a case study from Fiji

C. A. Ward-Paige, H. Sykes, G. J. Osgood and J. Brunnschweiler

To better understand and protect sharks and the sites used by the dive tourism industry in Fiji, divers monitored 592 sites over 5 years, providing 146 304



shark observations from 11 species on 30 668 dives. We provide the first spatio-temporal description of the occurrence and abundance of sharks by species across Fiji, and demonstrate the value of community-led partnerships.

[Abstract](#) | [Full Text](#) | [PDF \(2.9 MB\)](#) Open Access Article

### [Distress responses during handling in urban and exurban bandiny, the New Holland honeyeater \(\*Phylidonyris novaehollandiae\*\), in southwestern Western Australia](#)

M. Pearmain-Fenton, L. N. Gilson, B. J. Saunders and P. W. Bateman

This study explored how urbanisation affected the behaviours of a common Australian honeyeater in response to mist-netting. Of the five responses evaluated, only breathing rate provided a clear indicator of distress at handling that differed significantly between sites in/near cities and those in rural areas. We suggest that urban birds exhibited lower breathing rates due to chronic overstimulation in response to their urban lifestyles, which then prevented individuals from further elevating breathing rates in response to antagonistic stimuli of capture and handling.

[Abstract](#) | [Full Text](#) | [PDF \(1.5 MB\)](#) Open Access Article

### [Identifying hypotheses for drivers of decline of the bogong moth \(\*Agrotis infusa\*\)](#)

Peter Caley

Discovering why bogong moth populations are in decline is critical to guide recovery actions. Prioritising which of the numerous hypothesised drivers of decline are worth retaining for further investigation is valuable, and this paper does this in a structured way. Considerable uncertainty remains around the driver(s) of more recent declines, and designed experiments are needed to address this.

[Abstract](#) | [Full Text](#) | [PDF \(4.2 MB\)](#) Open Access Article

The role of grass-tree *Xanthorrhoea semiplana* (Asphodelaceae) canopies in temperature regulation and waterproofing for ground-dwelling wildlife

Sophie Petit and Deborah S. Frazer

Grass-trees (*Xanthorrhoea semiplana*) are iconic plants of Australia, and have key roles to play as shelters for wildlife. Leaf skirts of grass-trees shelter wildlife from weather extremes from high temperatures to heavy rainfall. They should be protected from clearing, fires, and *Phytophthora cinnamomi* to maximise their value as wildlife habitat.

[Abstract](#) | [Full Text](#) | [PDF \(2.2 MB\)](#) Open Access Article

The age estimation of an extremely old Silver Drummer *Kyphosus sydneyanus* (Günther 1886) from southern Western Australia

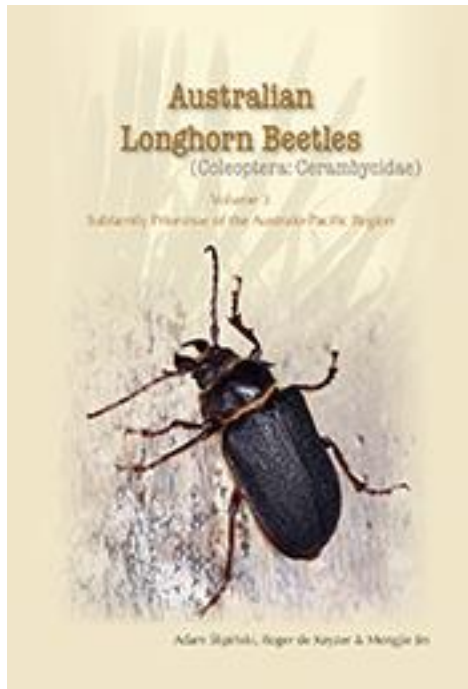
Peter Graham Coulson

Counts of the number of opaque growth zones in sectioned otoliths (ear bones) were used to estimate that the age of a *Kyphosus sydneyanus* (Buff Bream), from southern Western Australia, was 93 years. This is greatest age of a coastal fish species in Western Australia and more than double the previous maximum age of a *Kyphosus* species.

[Abstract](#) | [Full Text](#) | [PDF \(2 MB\)](#) Open Access Article

## New and Forthcoming Books and Chapters

### ***AUSTRALIAN LONGHORN BEETLES (COLEOPTERA: CERAMBYCIDAE) VOLUME 3***



### ***Subfamily Prioninae of the Australo-Pacific Region***

#### [Australian Longhorn Beetles Series](#)

**Adam Slipinski, Roger de Keyser, Mengjie Jin**

Hardback - *December 2023* - **AU \$180.00**

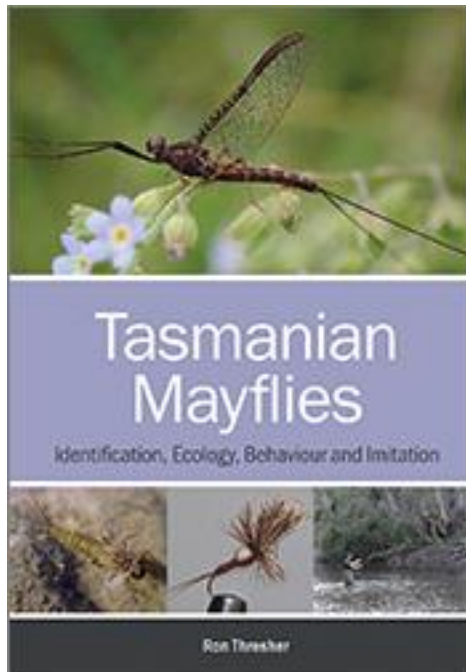
**Diagnoses and describes 50 genera and 166 species of the Australo-Pacific Prioninae.**

Longhorn beetles — Cerambycidae — are one of the most easily recognised groups of beetles, a cosmopolitan family that encompasses more than 33,000 species in 5,200 genera worldwide. Out of the 117 beetle families occurring in Australia, Cerambycidae is the sixth largest, comprising more than 1,400 species classified in 300 genera.

Virtually all Cerambycidae feed on living or dead plant tissue and play a significant role in all terrestrial environments. Larvae often utilise damaged or dead trees for their development, and through feeding on rotten wood, form an important element of the saproxylic fauna, speeding nutrient and energy circulation in these habitats. Longhorn beetles can cause serious damage by sometimes feeding on and eventually killing living forest or orchard trees. Many species are listed as quarantine pests because of their destructive role to the timber industry, such as the European house borer introduced into Western Australia.

This third volume in the series on Australian longhorn beetles extends to include the taxonomy of genera and species of the subfamily Prioninae of the Australo-Pacific Region. Seven tribes, 50 genera and 166 species are included. All genera and most species are diagnosed, described, illustrated and included in keys to their identification.

## **TASMANIAN MAYFLIES**



### ***Identification, Ecology, Behaviour and Imitation***

**By: Ron Thresher**

Paperback - *September 2023* - **AU \$59.99**

eBook - *September 2023* - [eRetailers](#)

**Essential reference on Tasmania's diverse mayflies, ideal for aquatic biologists and flyfishers.**

Mayflies are one of the world's most diverse, abundant and important aquatic insects. Famous for their brief adult life spans, mayflies play a key role in the ecology of aquatic and associated terrestrial ecosystems, and are critical bioindicators of ecosystem health.

Sitting at the southern limit of Australia's temperate zone, Tasmania is home to a diverse array of mayflies and renowned fisheries based on them. The state's storied 'Lambda Dun' hatches bring fishers from all over Australia to try their luck each summer on its rivers and ponds. Yet little is known about their behaviour and ecology, and more than half of the mayflies in Tasmania have never been described.

This extensively illustrated book is the first synthesis of the biology of south-east Australia's mayflies, with a focus on those in Tasmania. It combines information gleaned from scientific literature as well as more than 30 years of the author's studies and flyfishing experiences. It explores the biology, identification, conservation, ecology and behaviour of mayflies, and also includes fishing strategies and fly patterns.

*Tasmanian Mayflies* is an essential information source for Australia's aquatic biologists and for flyfishers, novice and experienced alike, who chase the insects and the fish that feed on them.

## **New and Forthcoming Articles**

Ke Wei, Fei Li, Yan-Long Tang, Liang-Ming Cao, Zhong-Qi Yang, Juli R. Gould, Xiao-Yi Wang, Xingeng Wang, "Exploration for Native Parasitoids of Asian Lonhomed Beetle in China as Prospective Biological Control Agents," *Agricultural and Forest Entomology* 25:4 (November 2023), 590-600.

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Ethan J. Briggs, Renan C. Santana, Robert J. Raven, Lyn G. Cook, "Assessing the diversity of Australian tarantulas (Araneae: Theraphosidae) using DNA barcoding and iterative species delimitation," *Austral Entomology* 62:3 (August 2023)

<https://doi.org/10.1111/aen.12666>

## Abstract

Tarantulas (Araneae: Theraphosidae) are one of the most diverse and widespread families of mygalomorph spiders, with over 1000 species recognised globally. While tarantulas can be found across most of mainland Australia, from arid regions to tropical forests, the Australian fauna are not yet well characterised. There are currently only 10 nominal species, up to 8 of which are currently recognised as distinct species. Here, we aim to undertake the first continent-wide assessment of species diversity of tarantulas in Australia using an iterative, hypothesis-testing approach. We apply a biological species concept and use DNA sequence data from three independent loci to delimit putative species based on evidence of lack of gene flow. First, we use the mitochondrial DNA marker *16S* to identify a set of putative species hypotheses. We then test each hypothesis under the expectations of neotypy, allotypy and allophyly using two independent nuclear loci, *EF1γ* and *28S* rRNA. Genealogically exclusive lineages are inferred using haplotype networks for each nuclear locus, interpreted to represent non-interbreeding entities and hence represent distinct biological species. We find evidence for there being at least 20 distinct biological species of tarantula in Australia, with the highest species richness in northern Australia. Our results are in line with other DNA-based studies of Australian mygalomorphs that have uncovered undescribed species diversity. Given the low number of samples included here, there is likely to be an even greater species diversity of tarantulas in Australia.

S.J. Gale and N. A. Wales, "Wind-Reworked Fluvial Deposits as an Archaeological Environment: The Agnes Banks Sand of the Quaternary Hawkesbury-Nepean Sequence of Southeast Australia," *Australian Geographer*

DOI: 10.1080/00049182.2023.2250157

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Jae-Cheon Sohn, "Review of *Loxocorys* Meyrick, 1894 (Lepidoptera: Crambidae: Spilomelinae) with Description of a New Species from Korea and Taiwan," *Journal of Natural History* 57:25-28, 1304-1311.

DOI: 10.1080/00222933.2023.2252577

Miriam A. Slodownik, Ignacio Escapa, Chris Mays, Gregory J. Jordan, Raymond J. Carpenter, and Robert S. Hill, *Araucarioides*: A Polar Lineage of Araucariaceae with New Paleogene Fossils from Tasmania, Australia,” *International Journal of Plant Sciences*

#### Abstract

*Premise of research.* The fossil assemblage of the Macquarie Harbour Formation (MHF) in Tasmania, Australia, represents a subpolar (65°S–70°S) lowland forest during the early Eocene climatic optimum (~53–50 Ma) and bears fossils of *Araucarioides linearis* Bigwood et Hill, [1985](#) emend (Araucariaceae). New fossils, including isolated leaves, female ovuliferous complexes (=bract/scale complexes), a possible seed, and dispersed pollen, were recovered from the Lowana Road site near the type locality and offered the opportunity to clarify the previously poorly constrained relationship of *Araucarioides* within the Araucariaceae.

*Methodology.* Macrofossils and cuticles were described and compared with other Araucariaceae. Palynological analyses were conducted to identify associated pollen. Tree Analysis Using New Technology (TNT) was used for phylogenetic analyses. To confirm conspecificity of leaves and reproductive remains, the whole-plant hypothesis was tested using multiple methods, including optical and fluorescence photo(micro)graphy, scanning electron microscopy, and X-ray computed tomography. Paleobiogeographic comparisons with other *Araucarioides* assemblages were undertaken.

*Pivotal results.* New *Araucarioides linearis* fossils included two distinct leaf populations and the first putative female reproductive remains of this species. The generic and specific diagnoses of *A. linearis* were emended based on new data. Co-occurring *Araucarioides sinuosa* was designated a junior synonym of *A. linearis*. The fossils are associated with abundant *Dilwynites tuberculatus* pollen. The phylogenetic analyses revealed affinity with the agathioid clade (*Wollemia* + *Agathis*) of Araucariaceae. The whole-plant hypothesis was supported.

*Conclusions.* Phylogenetic analyses indicated that *A. linearis* was a non-*Agathis* agathioid that represents the sister to the clade formed by *Agathis* and *Wollemia*. The polar Campanian *Araucarioides falcata* in New Zealand supports the Cretaceous divergence

of *Araucaria* and agathoid lineages. The restriction of *Araucarioides* to high paleolatitudes and their adaptations to seasonal environments such as broad leaves and possibly winter deciduousness may have facilitated survival through the impact winter and photosynthetic crisis during the end-Cretaceous extinction. Continuous northward movement of Australia and New Zealand and resulting climatic and light regime changes likely contributed to its extinction.

Article DOI

<https://doi.org/10.1086/726183>

Xiujian Ding, Tianze Gao, Xianzhang Yang, Zhenping Xu, Changchao Chen, Keyu Liu, and Xueqi Zhang, "Jurassic Paleoclimate Reconstruction and Its Influence on Organic Matter Enrichment in Kuqa Depression, Tarim Basin," *The Journal of Geology* 120:6

#### Abstract

The Tarim Basin is the most important oil and gas basin in western China. The paleoclimate of the Jurassic Period in the Tarim Basin remains poorly understood, and research on the enrichment of organic matter in coal-measure source rocks is relatively scarce. Therefore, to reconstruct the Jurassic paleoclimate and its influence on the enrichment of organic matter in coal-measure source rocks, we studied 13 samples from nine wells in the eastern Kuqa Depression of the Tarim Basin. We found that the corrected chemical index of alteration (CIA\*), the chemical index of weathering, the plagioclase index of alteration,  $\ln(\text{Al}_2\text{O}_3/\text{Na}_2\text{O})$ , and Na/K can characterize the degree of chemical weathering in the study area. The degree of chemical weathering during the Jurassic period was high and declined gradually, indicating that the paleoclimate was relatively warm and humid, progressively changing to hot and dry. Paleoclimatic parameters composed of hydrophilic and hydrophobic elements indicate climate fluctuation. The parameters Ca/Mg, Fe/Mn, and Rb/Sr indicate the paleoclimatic changes in warmth and humidity in the study area. The Yangxia Formation in the Early Jurassic was found to be relatively hot and dry, whereas, in the Late Jurassic, the Qigu Formation experienced a severe hot and dry event. The cross plot of CIA\* and total organic carbon (TOC) showed that samples with higher TOC content exhibit a higher degree of chemical weathering, indicating that the overall warmth and humidity played an important role in controlling the accumulation of organic matter in coal-measure source rocks. It was found that when the overall climate was warm and humid, a relatively hot and dry climate was conducive to the enrichment of organic matter in coal-measure source rocks.

Article DOI

<https://doi.org/10.1086/724747>



Dongchen Jiao and Junfeng Qu, “Warm Subduction-Driven Formation of ~2.7 Ga TTG Gneiss in the Zhongtiao Mountains, Southern North China Craton: Constraints from Phase Equilibrium Modeling,” *The Journal of Geology* 130:6

Article DOI

<https://doi.org/10.1086/727973>

Russell L. Barrett and Matthew D. Barrett, “Taxonomic Revision of Australian *Erythrophleum* (Fabaceae: Caesalpinioideae) Including Description of Two New Species,” *Australian Systematic Botany* 36:5 (2023), 401-426.

Ironwood, *Erythrophleum chlorostachys*, is an iconic legume tree in the northern Australian savanna, with relatives in Asia and Africa. Fieldwork across northern Australia has discovered two new species, one from around The Great Sandy Desert, and one spanning from the west Kimberley to Cape York. Recognition of three distinct species, on the basis of morphology and DNA data, has implications for the conservation and utilisation of this genus, significant in indigenous cultures in northern Australia. (Photograph by Geoff Byrne.)

Muhamad Naimullah, Kuo-Wei Lan, Cheng-Hsin Liao, Yu-Jhen Yang, Chao-Ching Chen, Hon Jung Liew and Mhd Ikhwanuddin, “Effects of spatial–temporal conditions and fishing-vessel capacity on the capture of swimming crabs by using different fishing gear around the waters of Taiwan,” *Marine and*

## Abstract

### **Context**

Swimming crab is a vital fishery resource and a valuable source of income in the southern East China Sea, but it lacks management strategies, especially when using different fishing gear.

### **Aims**

This study aimed to determine the effects of spatial–temporal conditions and vessel capacity on swimming crabs by using different fishing-gear types in the Taiwan Strait (TS).

### **Methods**

We used generalised linear mixed models (GLMMs) to investigate data from Taiwanese vessels (2011–2019) on how spatial–temporal conditions and vessel capacity affected the catch of swimming crabs when using trawls, gill-nets and traps.

### **Key results**

The results showed that the traps (>80.0%) caught more swimming crabs in the TS than did the gill-nets (6.6%) and trawls (8.0%). Additionally, the GLMM analysis showed that *Charybdis feriatus*, *Portunus pelagicus* and *Portunus sanguinolentus* catches by traps and trawls were significantly affected by different fishing locations, climate events, work hours and vessel sizes. However, for gill-nets, spatial–temporal conditions and vessel capacity did not affect the catch of *C. feriatus*.

### **Conclusions**

Monitoring fishing efforts and environmental factors is vital to understanding their impacts on marine ecosystems.

### **Implications**

These findings enable future sustainable crab fishing through harvesting strategy planning, ecosystem management and spatial–temporal governance.

Georgina Drew, “Managing Toxins and Making Water ‘Safe:’ Consumer Buffering Practices in Contexts of Chemo-Uncertainty,” *The Asia Pacific Journal of Anthropology* (2023), 1-23.

## Seminars and Lectures

### Ocean Humanities International Lecture Series

The German Maritime Museum announces the new “Ocean Humanities International Lecture Series.” Lectures take place once a month, in person and via Zoom. Some events are in German, some in English. For more information:

[https://urldefense.com/v3/https://www.dsm.museum/oceanhumanities;!!PvDODwLR4mBZyAb0!V2HWGBmloy3Wsj\\_SZZY5E\\_ysjy52NDTaZgfFeDqhUONK5qEe8Bcvqh7G7ONj651ptnVbuVh-CYY8\\_lzOukClbyOm6EYgxcRUzA\\$](https://urldefense.com/v3/https://www.dsm.museum/oceanhumanities;!!PvDODwLR4mBZyAb0!V2HWGBmloy3Wsj_SZZY5E_ysjy52NDTaZgfFeDqhUONK5qEe8Bcvqh7G7ONj651ptnVbuVh-CYY8_lzOukClbyOm6EYgxcRUzA$).

Questions? Contact Dr. Katrin Kleemann at [K.Kleemann@dsm.museum](mailto:K.Kleemann@dsm.museum).

## Conferences and Meetings

**[DHST] 27th ICHST 2025 Call for symposia proposals now open**

ExternalDear colleagues,

Dear representatives of members, commissions and sections,

I am very happy to forward to you the /Call for Symposia/ of the ICHST 2025 congress in New Zealand. Please do not hesitate to share this call

widely in your own local and global communities.

The Organizing committee, chaired by Hugh Slotten, is doing a wonderful work and we are very much looking forward to the congress,

with best wishes,  
Liesbeth

**\*CALL FOR SYMPOSIA PROPOSALS NOW OPEN\***

The organizing committee invites you to submit a Symposia to be considered for presentation at the conference in Ōtepoti Dunedin, 29 June - 5 July 2025.

We invite Symposia submissions on any topic in the history of science, technology and medicine, but we especially encourage proposals that address aspects of the conference theme, across all periods, and from a variety of methodological and historiographical approaches.

Symposia proposal submissions will close on Monday 1 April 2024.

The theme of the 27th ICHST is **"\*Peoples, Places, Exchanges, and Circulation\*."**

For more information and to download your symposia proposal template, please visit the **\*conference website.\***

[https://urldefense.com/v3/https://www.ichst2025.org/call-for-symposia-proposals ;!!PvDODwIR4mBZyAb0!UbPYrA8K1FsndPvV1SSaG-8gWAHPi90eMNDhtuoZtFCy0L04q-2QIbHmu186RMLCI5hjkqsQIkBDubm5me0\\$](https://urldefense.com/v3/https://www.ichst2025.org/call-for-symposia-proposals) >

**\*KEY DATES\***

Call for submission of symposia proposals      Now open  
Deadline for submission of symposia proposals    1 April 2024  
Call for stand-alone papers opens            1 April 2024  
Registration opens            11 July 2024  
Deadline for submission of stand-alone paper proposals    From 1 October 2024  
Deadline for submission of paper abstracts within symposia    From 1  
November 2024  
Early bird registration closes    3 April 2025  
Program released online            From 1 May 2025  
Final date for registration        1 May 2025  
Congress opens    29 June 2025

[https://urldefense.com/v3/http://www.ichst2025.org ;!!PvDODwIR4mBZyAb0!UbPYrA8K1FsndPvV1SSaG-8gWAHPi90eMNDhtuoZtFCy0L04q-2QIbHmu186RMLCI5hjkqsQIkBDZCMHL2U\\$](https://urldefense.com/v3/http://www.ichst2025.org) <<https://urldefense.com/v3/https://www.ichst20>

## BSHS Small Conference and Workshop Grants

The British Society for the History of Science is looking to award grants of up to £500 each to conferences and workshops to be held in person this year (funds to be spent by 23<sup>rd</sup> October 2024). Awards may be used for any reasonable purpose to support running a conference, which might include catering, venue, or accessibility costs. **Please note that the society is committed to lowering its climate impact and therefore will not fund air travel.**

Applications should consist of:

1. Details of the conference including title, location, and dates of the event.
2. A short abstract detailing the intellectual agenda of the conference.
3. Details of the main organisers (including name, affiliation, and contact details).
4. Details of the conference programme where available.
5. A **balanced** budget that shows both projected income and expenditure. Please note that budgets which do not balance (i.e., budgets which do not clearly outline how expenses will be met) may be reviewed unfavourably by the panel.
6. A statement explaining how the event will adhere to aims and objectives of the BSHS and our policies and guidelines (which can be found here: <https://www.bsbs.org.uk/about-society>). We would draw particular attention to our Equality and Diversity Statement and our Climate Policy.

Please complete your application using [this online form](#). All awardees will be required to provide the BSHS with a post-event report and a suitable image for publication in the society's *Viewpoint* newsletter within three months of the event.

**Please submit application materials by midnight on Friday 6<sup>th</sup> October 2023.** Applicants will be notified by Monday, 23<sup>rd</sup> October 2023 and monies can be used between then and the 23<sup>rd</sup> October 2024. Any questions should be addressed to the Secretary to the BSHS Conferences Committee, Grace Exley, at [conference.grants@bsbs.org.uk](mailto:conference.grants@bsbs.org.uk).

**Beyond the Ocean's Depths:  
Revisiting the *Challenger* Expedition (1872-1876)  
7 November 2023  
National Maritime Museum, Greenwich, London**

This event is in part sponsored by the Department of Science and Technology Studies at University College London.

With the environmental threat of global warming, rising seas and biodiversity loss, knowledge of the ocean is more important than ever. The *Challenger* Expedition, named after the British Royal Navy vessel HMS *Challenger* which circumnavigated the globe from 1872 to 1876 with the aim to explore the deep sea, has been celebrated as a foundational moment in the history of modern oceanography.

Data and specimens obtained from the expedition are actively studied by scientists today and provide a historical benchmark for climate change and species distribution. Meanwhile, historians are increasingly calling for the voyage's imperial context to be recognised and are bringing attention to people and places that have previously been given little attention in the expedition's historiography. How do we tell more inclusive and holistic histories of *Challenger*, while engaging with its scientific importance today? Looking forwards, what can we learn from the past while considering the future of ocean science?

On 7 November 2023, 'Beyond the Ocean's Depths' shall provide a welcoming interdisciplinary forum for historians, scientists, coastal and island communities, and museum curators to share ideas and their work. The day will bring together a variety of perspectives, knowledges, specialisms and resources.

Conference themes include:

- The use of *Challenger* materials in modern scientific research
- *Challenger*-related materials in museum collections
- Public engagement and education
- Colonial legacies
- Untold histories
- Local knowledges and expertise
- Links between oceanography past, present and future

This one-day conference will be held in person at the National Maritime Museum, Greenwich and online. It will consist of four panels, each consisting of three 15-minute papers and a Q&A, and a guided visit to the Caird Library to view *Challenger* archives, photographs and ship plans. We will also have a keynote talk and time to view relevant gallery spaces.

The workshop will be wheelchair accessible with lift access, and the lecture theatre is fitted with a hearing loop. It will also be possible to give presentations remotely, and we anticipate that overseas submissions will be delivered online (unless rail travel to the UK is available). This is to support the Museum's ambitions to be carbon emissions conscious. The workshop language is English.

If you have any queries, please contact the organisers at [research@rmg.co.uk](mailto:research@rmg.co.uk).

Conference webpage:

<https://www.rmg.co.uk/whats-on/national-maritime-museum/challenger-conference>

## **First International Conference of the Histories of *Upcoming* Anthropologies: Doing Histories, Imagining Futures**

The History of Anthropology Network (HOAN) of the European Association for Social Anthropology is happy to announce a call for papers for the First International Conference of the Histories of Anthropologies, Doing Histories, Imagining Futures, to be hosted by the University of Pisa, Italy.

The event will be held on-line between 4-7 December 2023 and it is collaboratively organised by key stakeholders in our field to discuss methodological, theoretical, pedagogical, and ethical aspects of the histories of anthropologies.

Please browse the Conference Website and Panels to discover more!

<https://hoaic.cfs.unipi.it/>

<https://hoaic.cfs.unipi.it/panels/>

This is an exciting opportunity for everyone working in the field of history of anthropology to gather and learn from each other and set new directions for the field. You are warmly invited to join us and submit a paper proposal.

The panels are:

Panel 1: Doing Histories of Anthropologies. Theories, Methodologies, Practices

Panel 2: Disciplinary Histories and Archives in Anthropology, Folklore, and Oral History: Actors, Formats, and Mediality in Knowledge Production

Panel 3: Historicizing Anachronistic Motives

Panel 4: History's Lessons: Uses of the History of Anthropology

Panel 5: Pushed out, excluded and forgotten? Recovering anthropologists, ethnologists, and folklorists for the history of our discipline

Panel 6: Approaching the Present through Anthropology's Past

Panel 7: Regional Anthropologies, Colonial and Postcolonial Histories

Panel 8: Missing Others. Eluded Encounters and Hidden Contributions within the History of Anthropology

## Inventing the Human

*Conference, conversations, provocations, roundtables, and exhibition*

30<sup>th</sup> November to 2<sup>nd</sup> December 2023

University of Melbourne (f2f and virtual)

### Call for Papers

This interdisciplinary and hybrid conference sets out to place the (liberal-humanist) subject dispatched by posthumanism inside the much larger field of Enlightenment/Romantic thought on this topic—a field that, on the one hand, is no longer imagined as beginning and ending in Europe and, on the other hand, is always already in dialogue or conflict with non-European traditions, understandings, and discourses of the human. We take as our key themes the pasts, futures, and varieties of reason, imagination, liberty, and the body—terms crucial to modern understandings of the human. But we do this in order to ask, in a world where Europe is merely one centre among many, what of this legacy can be dispatched? What can be revised or extended by other traditions? What in the world’s multiple humanities might open new possibilities for the future? And what does our answer to these questions mean for the methods, roles, and organising categories of the Humanities?

#### Confirmed Keynote Speakers / Provocateurs:

[Genevieve Bell](#), Director of the School of Cybernetics; Director of the 3A Institute (3Ai); Florence Violet McKenzie Chair at the Australian National University; a Vice President and a Senior Fellow at Intel Corporation.

[James Q. Davies](#), Professor of Music, University of California, Berkeley.

[Amanda Jo Goldstein](#), Associate Professor, English Faculty, University of California, Berkeley.

[Wantari 'Wanta' Pawu](#), Warlpiri Elder; and Professorial Fellow in Indigenous Studies, University of Melbourne, University of Melbourne.

[Delia Lin](#), Associate Professor, Chinese Studies, University of Melbourne.

[Sujit Sivasundaram](#), Professor of World History, University of Cambridge.

#### Topics include:

- Enlightenment-Romanticism and/or its legacies and the invention of the Human
- Indigenous, Asian, Southern Hemisphere .... traditions and knowledges about the human
- Re-inventing the human (or why developing an understanding of plural humanity matters)
- The pasts, futures, and/or varieties of
  - reason / critique • imagination / creativity • knowledge • literary arts / performing arts / visual arts • cosmopolitanism / worldliness • religion / faith / the secular / the post secular • the body • place • tradition

--- or topics not included in this list important for a particular tradition on the human.
- Life writing / Writing about the human
- Ability / disability / differently abled
- Gender / transgender / non-binary