



Proceedings of the Royal Society of New South Wales The 2020 programme of events — Sydney

Date	Type and location	Presenter(s)	Topic
Wed 12 Feb	1280 th Ordinary General Meeting and Open Lecture 2019 RSNSW Scholarship Presentation (Gallery Room, State Library of NSW, Shakespeare Place, Sydney)	Ms Emma Austin, University of Newcastle Mr Shyam Balaji, University of Sydney Mr Michael Papanicolao, University of Technology Sydney Mr Thomas Pettit, University of Technology Sydney	Drought and wellbeing in Australian rural communities: implications for improving adaptive capacity and resilience to drought Searches for Extended Higgs Sectors, Flavour Physics Anomalies and Dark Matter at the LHC Charting the Extracellular Matrix Through Breast Tumour Progression Botanical biofilters for the phytofiltration of urban air pollutants
Thu 20 Feb	Royal Society of NSW Liversidge Lecture (The Galleries, John Niland Scientia Building, UNSW Sydney, Kensington)	Scientia Professor Martina Stenzel FAA, UNSW Sydney	The journey from simple polymers to nano-footballs: opportunities for better cancer treatment
Thu 27 Feb	SMSA/RSNSW joint presentation (Sydney Mechanics' School of Arts, 280 Pitt Street, Sydney)	Dr David Hush and Anna Da Silva Chen (violinist)	Speaking the Music ... The Magic of the Solo Violin

JOURNAL & PROCEEDINGS OF THE ROYAL SOCIETY OF NEW SOUTH WALES
 Proceedings, Awards, Gazetted Fellows — 2020

Date	Type and location	Presenter(s)	Topic
Wed 4 Mar	128 th OGM and Open Lecture (Gallery Room, State Library of NSW, Shakespeare Place, Sydney)	Professor Robin J. Batterham, University of Melbourne	Soils: the least understood part of science, yet vital for all of us
Fri 6 Mar	Frontiers of Science Forum (presented by the Royal Society of NSW, the Teachers' Guild of NSW, the Australian Institute of Physics, and the Royal Australian Chemical Institute) (Boston University (Sydney), 15–25 Regent Street, Chippendale)	Professor Ben Eggleton FRSN FAA FTSE, University of Sydney Professor Mary Myerscough, University of Sydney Ms Julianna Kadar, Macquarie University Professor Richard Payne, University of Sydney	New frontiers in photonics — the science of light The mathematics of healthy honeybee hives Fitbits for sharks: combining biology and data science Drug discovery inspired by natural products
Thu 12 Mar	Annual Meeting of the Four Societies (presented by the Australian Institute of Energy, the Australian Nuclear Association, the Sydney Division of Engineers Australia, and the Royal Society of NSW) (Metcalf Auditorium, State Library of NSW, Macquarie Street, Sydney)	Professor Thomas Maschmeyer FRSN FAA FTSE FMAE, University of Sydney	Challenges for the Future: Energy Storage and Waste Plastic — Two Australian solutions going global
Wed 22 Apr	153 rd Annual General Meeting 1282 nd Ordinary General Meeting and Open Lecture (Zoom Webinar)	Emeritus Professor Ian Sloan AO FRSN FAA, President, Royal Society of NSW	Presidential Reflections — science stuff and the President's random path

JOURNAL & PROCEEDINGS OF THE ROYAL SOCIETY OF NEW SOUTH WALES
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Thu 21 May	Ideas@theHouse: May 2020 (Zoom Webinar)	Emeritus Professor Robert Clancy AM FRSN, University of Newcastle and the Royal Society of NSW	Ten: The Mapping of Colonial Australia
Wed 3 Jun	1283 rd Ordinary General Meeting and Open Lecture (Zoom Webinar)	Distinguished Professor Elizabeth Elliott AM FRSN FAHMS, University of Sydney	Drinking for three: Mother, baby, and society
Wed 27 Jun	Virtual Annual Dinner, Distinguished Fellow's Lecture and 199 th Anniversary (Zoom Webinar)	Distinguished Professor Brian Schmidt AC FRS DistFRSN FAA, Australian National University	Education and Evidence in a Post-Truth, Post-COVID World
Wed 8 Jul	1284 th Ordinary General Meeting and Open Lecture (Zoom Webinar)	Elizabeth Ann Macgregor OBE FRSN, Museum of Contemporary Art, Sydney	Why Art Matters in Times of Crisis
Wed 5 Aug	1285 th Ordinary General Meeting and Open Lecture (Zoom Webinar)	Professor Peter Radoll, University of Canberra	Growing Black Tall Poppies
Tue 18 Aug	Science Week Lectures (Zoom Webinar)	Emeritus Professor Robert Clancy AM FRSN, Royal Society of NSW and University of Newcastle	The COVID Curve in Context: or Back to the Future — something old and some new
Wed 19 Aug	The Clancy Collection — an Exhibition of Maps (Manly Art Gallery and Museum, Sydney)	Emeritus Professor Robert Clancy AM FRSN, Royal Society of NSW	Charting a Course: a 500-year story of discovery and development of Sydney
Thu 20 Aug	Science Week Lectures (Zoom Webinar)	Emeritus Professor Brynn Hibbert, Royal Society of NSW and UNSW Sydney	The Periodic Table: a medley of haphazard facts falling into line and order

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Date	Type and location	Presenter(s)	Topic
Wed 2 Sep	1286 th Ordinary General Meeting and Open Lecture (Zoom Webinar)	Professor John Rasko AO, Centenary Institute	The Dawn of Molecular Medicine — Gene Therapy: Past, Present and Future
Wed 7 Oct	1287 th Ordinary General Meeting and Open Lecture (Zoom Webinar)	Professor Huw Price FAHA FBA, University of Cambridge	Where now for the study of time?
Wed 14 Oct	The Clancy Collection — an Exhibition of Maps (repeated) (Manly Art Gallery and Museum, Sydney)	Emeritus Professor Robert Clancy AM FRSN, Royal Society of NSW	Charting a Course: a 500-year story of discovery and development of Sydney
Thu 5 Nov	RSNSW and Four Academies Forum (Government House, Sydney, livestreaming, and subsequent availability on YouTube)	Hosted by Her Excellency The Honourable Margaret Beazley AC QC, Governor of NSW and Patron of the Royal Society of NSW	After COVID-19: Creating the Best of Times from the Worst of Times
Wed 11 Nov	1288 th Ordinary General Meeting and Open Lecture (Zoom Webinar)	Emeritus Professor Adrian Lee FRSN and Professor Thomas Borody FRSN, UNSW Sydney and Centre for Digestive Diseases	Where have all the ulcers gone, long time passing?
Wed 9 Dec	1289 th Ordinary General Meeting and Open Lecture (Zoom Webinar)	Scientia Professor Matthew England FRSN FAA, UNSW Sydney	Dispelling climate change myths — how ocean physics can help explain surprises in the modern-day climate record

The 2020 programme of events — Southern Highlands

Date	Presenter(s)	Topic and location
Thu 20 Feb	Professor John Thompson AO Melanoma Institute and University of Sydney	Controlling the Australian Melanoma Epidemic (Face-to-face in Mittagong, NSW)
Thu 19 Mar	Professor John Williams FTSE Australian National University and Charles Sturt University	The Murray-Darling Basin Scheme: a challenge in complexity in balancing social, economic and environmental perspectives (Via email circulation)
Thu 21 May	Associate Professor Andrew Holmes University of Sydney, Life and Environmental Sciences	The Microbiome and Gut-Brain Axis (Via email circulation)
Thu 18 Jun	Professor Geordie Williamson University of Sydney	Light, sound, and the magic of the Fourier Transform (Via email circulation)
Thu 20 Jul	Dr Brad Tucker Australian National University	Exploding Stars, Dark Energy, and the end of the Universe (Via email circulation)
Thu 20 Aug	Professor Toby Walsh UNSW Sydney and CSIRO Data61	2062 — The year that Artificial Intelligence (AI) made (Via email circulation)
Thu 17 Sep	Adjunct Professor Sandra Lynch University of Notre Dame Australia	Philosophical Ethics in Schools: Plan and Paradox (Zoom Webinar and YouTube)
Thu 15 Oct	Susannah Fullerton OAM FRSN Literary Lecturer and President, Jane Austen Society of Australia	Literary England: Susannah's Top Ten Places (Via email circulation and YouTube)
Thu 18 Nov	Ian Bryce MRSN	Relativity revealed: Einstein's discoveries, the origin and shape of the universe (Mittagong RSL, Carrington Room)

The 2020 programme of events — Hunter Branch

Date	Presenter(s)	Topic and location
Fri 31 Jan	Professor Ryan Loxton, Curtin University	Mathematics in Industry: Optimisation in Action — Unlocking Value in the Mining, Energy, and Agriculture Industries (Newcastle City Hall (Hunter Room), 290 King Street, Newcastle)
Wed 27 May	Emeritus Professor Eugenie Lumbers AM DistFRSN FAA, University of Newcastle	COVID-19 and confusion: the story of a nasty but nice viral receptor (Zoom Webinar)
Wed 29 Jul	Professor Pia Ednie-Brown, University of Newcastle	Architecture and the Cultivation of Vitality (Zoom Webinar)
Tue 27 Oct	Professor Janet Nelson, Deputy Vice-Chancellor (Research), University of Newcastle	The Engaged University: Advancing Research and Innovation Through Powerful Partnerships (jointly with the University of Newcastle) (Zoom Webinar)
Wed 2 Dec	Professor Tony Capon, Monash University	Planetary Health: Safeguarding Health in the Anthropocene Epoch (Zoom Webinar)

Awards 2020

James Cook Medal 2020 — Scientia Professor Richard Bryant AC FASSA FAA FAHMS

The James Cook Medal is awarded from time to time for outstanding contributions to both science and human welfare, in and for the Southern Hemisphere.

Professor Richard Bryant, of the School of Psychology of UNSW (Sydney), has made many seminal advances in the diagnosis, treatment, and identification of neural, genetic, and cognitive markers of post-traumatic psychopathology. His work has challenged the pre-existing notions of acute psychological response to trauma leading to major policy and practice shifts internationally in relation to how trauma survivors are managed. Professor Bryant has translated his findings into improving the mental health of communities throughout the Southern Hemisphere (as well as many trauma-affected countries in the northern hemisphere).

Edgeworth David Medal 2020 — Associate Professor Brett Hallam

The **Edgeworth David Medal** is awarded each year for distinguished research by a young scientist under the age of 35 years for work undertaken mainly in Australia or for contributing to the advancement of Australian science.

In less than six years from completion of his PhD, **Scientia Fellow Brett Hallam** of the School of Photovoltaic and Renewable Energy Engineering at UNSW (Sydney) has established himself as a national and international leader in the highly competitive field of crystalline silicon photovoltaics, particularly in the areas of light induced degradation, hydrogen passivation and defect engineering. Although he has made a major impact on photovoltaics globally, this is in addition to his profile and leadership in crystalline silicon photovoltaics in Australia. Professor Hallam's research addresses one of the key challenges in sustainability, that is, access to clean electricity. His work on hydrogen passivation to avoid light induced degradation of solar cells means that the cost of photovoltaics can be reduced greatly, increasing the competitiveness of this form of electricity compared with that generated by fossil fuels.

Clarke Medal for Botany 2020 — Distinguished Professor Michelle Leishman

The **Clarke Medal** is awarded each year for distinguished research in the natural sciences conducted in Australia and its territories, in the fields of botany, zoology, and geology (considered in rotation). For 2020, the medal was awarded in botany.

Distinguished Professor Michelle Leishman, of the Department of Biological Sciences of Macquarie University, is internationally recognised for her work in plant ecology. In particular, her studies are directed towards understanding the success of invasive plant pathogens, vegetation responses and adaptation to climate change, plant conservation, and facilitating resilient urban green spaces. She has a number of active research programs which include development of a database for greening urban space, studying invasive plants and pathogens and climate vegetation response and adaptation to global climate change.

History and Philosophy of Science Medal 2020 — Professor Alison Bashford FRSN FAHA FBA FRHistS

The **Society's History and Philosophy of Science Medal** is awarded annually to recognise outstanding achievement in the History and Philosophy of Science, especially the study of ideas, institutions, and individuals of significance to the practice of the natural sciences in Australia.

Professor Alison Bashford, ARC Laureate Fellow from the Faculty of Arts and Social Sciences at UNSW (Sydney), is one of Australia's most eminent historians, recognised internationally for her ground-breaking and transformative historical studies of the biomedical and environmental sciences. Her scholarly distinction is recognised by fellowships of both Australian and British academies. Professor Bashford has greatly enlarged and raised our understanding of past conceptions of race, population and place in Australia and the world. She has brought the history of the human and environmental sciences into the scope of world history. She has written five acclaimed books and numerous other published works in which she reveals connections of science and medicine with national projects and global ambitions. Further, her extensive and various studies have reoriented the history of science toward the southern hemisphere and the Pacific, showing us how natural knowledge has been assembled in Australia and the region.

Liversidge Lecture 2020 — Professor Richard Payne FRSN FRACI FRSC

The **Liversidge Lecture** is awarded at intervals of two years for the purpose of encouragement of research in Chemistry. It was established under the terms of a bequest to the Society by Professor Archibald Liversidge MA LLD FRS, who was Professor of Chemistry in the University of Sydney from 1874 to 1907, and who was one of the Council members who sponsored the Society's Act of Incorporation in 1881.

The research of **Professor Richard Payne**, of the School of Chemistry of the University of Sydney, focusses on the development of technologies for the chemical synthesis of therapeutic peptides and proteins. These technologies have facilitated the preparation of numerous proteins bearing modifications that enhance activity and stability, critical features in the quest to develop efficacious protein therapeutics. His approaches have also been combined with recombinant methods to generate large therapeutic proteins and even antibodies — methods that have been widely adopted in the laboratories of international academics and pharmaceutical companies alike. He has developed synthetic proteins that are amongst the most potent antithrombotic agents ever reported, and which have an enormous therapeutic potential for thrombo-embolic disorders. Professor Payne has been awarded numerous prizes and medals including the 2014 RSNSW Edgeworth David Medal and the H G Smith and A J Birch Medals of the RACI.

Poggendorff Lectureship 2020 — Professor Angela Moles FRSN

The **Poggendorff Lecture** is awarded periodically for research in plant biology and more broadly agriculture.

Professor Angela Moles, of the School of Biological, Earth and Environmental Sciences of UNSW (Sydney), is an international leader in the field of large-scale evolutionary ecology. In particular she studies the processes that shape global patterns and the way plants grow reproduce and interact with animals. She has a highly cited publication record and the innovation and quality of her work has been recognised by numerous awards.

Jak Kelly Award 2020 — Mr Matthew Donnelly

The **Jak Kelly Award** was created in honour of Professor Jak Kelly (1928–2012), who was Head of Physics at University of NSW from 1985 to 1989, was made an Honorary Professor of University of Sydney in 2004, and was President of the Royal Society of NSW in 2005 and 2006. Its purpose is to encourage excellence in postgraduate research in physics. The award is supported by the Royal Society of NSW and the Australian Institute of Physics, NSW branch. The winner is selected from a short list of candidates who made presentations at the most recent Australian Institute of Physics, NSW branch postgraduate awards meeting.

Mr Matthew Donnelly, a PhD Candidate at UNSW (Sydney), is researching monolithic donor structures in silicon and their application in spin-based quantum computing. In particular, he is focussed on using 3D fabrication techniques to precisely control tunnel rates and other parameters critical to the operation of spin qubits.

Royal Society of New South Wales Scholarships 2020

The **Royal Society Scholarships**, valued at \$500, together with a complimentary year of associate membership of the Society, are awarded annually in order to acknowledge outstanding achievements by young researchers in any field of science. Applicants must be enrolled as research students in a university in either NSW or the ACT on 1 January in their year of nomination.

For 2020, the RSNSW Scholarships have been awarded to:

- Mr Sajad Razavi Bazaz, University of Technology Sydney
- Mr Daniel Fox, Australian National University
- Ms Phillipa Specker, UNSW (Sydney)

In his PhD, **Mr Sajad Razavi Bazaz** studies the use of 3D printing for microfluidics. Microfluidics is a science which allows the manipulation of fluid samples, typically in the range of microlitres, within networks of channels ranging from tens to hundreds of micrometres. Microfluidic systems are becoming increasingly promising tools for the advancement of chemical and biological research with evident benefits. Today, 3D printing technologies have gained significant traction, being dubbed a third industrial revolution. Due to the expanding use of microfluidic systems in laboratories, 3D printing has emerged as an alternative method to traditional costly fabrication processes. Mr Razavi Bazaz has

developed a new method for the fabrication of microfluidic devices and has validated it. He and his colleagues have established a start-up company to develop 3D printed microfluidic devices for selective sperm selection for the IVF market.

Mr Daniel Fox is studying the clinically important, but much neglected, human and foodborne pathogen, *B Cereus*, and has discovered that enterotoxins produced by this bacterium can activate cytosolic innate immune inflammasome sensors which mediate host defence against pathogens. The sensing of pathogens by inflammasome sensor proteins results in the assembly of the inflammasome complex. Mr Fox has identified a toxin NHE as a novel activator of the NLRP3 inflammasome because it triggers formation of a lytic pore that promotes the efflux of potassium ions. He has also found it mediates the killing of cells from multiple lineages and hosts. It acts synergistically with another toxin secreted by the same organism, HBL.

Ms Phillipa Specker is investigating the role of emotional regulation in the management of post-traumatic stress disorder (PTSD) in refugees. Refugees represent one of the largest at-risk groups in the development of PTSD, with current treatments being much less efficacious compared to other trauma-exposed groups. Research suggests that emotion regulating strategies that refugees used to manage stress may be critically important in their recovery from PTSD. In the first part of her PhD program, she found that there were individual differences in the types of emotion regulation strategies that refugees used to manage stress and that those refugees who were better able to concurrently use cognitive reappraisal and emotional suppression had fewer PTSD symptoms. Currently, she is testing a novel experimental paradigm to investigate whether providing refugees with adaptive emotion regulation skills training will reduce PTSD symptomology and ultimately improve well-being.

Awards for Service to the Society 2020

Royal Society of NSW Medal — Emerita Professor Mary O’Kane AC FRSN FTSE Hon FIEAust

The Society’s Medal is awarded from time to time to a member of the Society who has made meritorious contributions to the Society’s administration, organisation, and endeavours.

Emerita Professor Mary O’Kane was appointed as the first New South Wales Chief Scientist and Engineer in 2008 and remained in the position until 2018. Prior to that she was Vice-Chancellor and President of the University of Adelaide from 1996 to 2001. From 1994 to 1996 she was Deputy Vice-Chancellor (Research) and Professor of Electrical Engineering at the University of Adelaide. From 1989 to 1993 she was Dean of the Faculty of Information Sciences and Engineering at the University of Canberra.

Early on, as the New South Wales Chief Scientist and Engineer, she established a relationship between her office and the Royal Society of New South Wales which, in essence, provided the Society with access to the State Government. She was a strong supporter of the Society, providing funding for the publication of the Journal and Proceedings. Later she provided funding and hosted the Four Societies Lecture when it was the Royal Society’s turn to

organise this event. She also instigated an awards mechanism for the Society, by which the Science Deans of NSW and ACT universities came together under her chairmanship to make recommendations for the Society's prizes and scholarships. She advocated for the Society in government and also was a strong supporter of the Royal Society of New South Wales and Four Academies Forum held annually at Government House, Sydney.

Royal Society of NSW Citation — Emeritus Professor Heinrich Hora FRSN FAIP FInstP

The Royal Society of NSW Citations are awarded to a Member or Fellow of the Society who has made significant contributions to the Society, but who has not been recognised in any other way. A maximum of three Citations may be awarded in any one year.

Emeritus Professor Heinrich Hora, of UNSW Sydney, has served the Royal Society of New South Wales with distinction over many years. Professor Hora is a former Vice-President and Councillor of the Society and is a current member of the Fellows and Members Assessment Committee, to which he has made significant contributions over several years. In that role, he has helped ensure that the most talented and qualified individuals across many fields join the ranks of the Fellowship of the Society. In addition to his extensive service to the Society, Professor Hora is a noted theoretical physicist who has made and continues to make significant contributions to solid state physics, the optical properties of plasma, and non-linear dynamics with the application of lasers to the production of nuclear fusion energy.

Note on Gazetting

The Government Gazette of the State of New South Wales is managed by the New South Wales Parliamentary Counsel's Office and has published Government notices, regulations, forms and orders since 1832. It went on line in 2001 and since 2014 is only to be found at <https://www.legislation.nsw.gov.au/#/gazettes>.



Government Gazette

of the State of
New South Wales
Number 38
Wednesday, 26 February 2020

On the initiative of RSNSW Fellow Robert Whittaker AM FRSN, the Society approached His Excellency the Governor to formally gazette fellows of the Society. All current fellows were included in the first gazetting in 2018, and subsequently at the beginning of each year fellows elected in the previous year will appear in the Gazette.

As the Gazette of Wednesday 26 February 2020 says:

“Her Excellency, The Honourable Margaret Beazley AC QC, Governor of New South Wales, as Patron of The Royal Society of New South Wales and in furtherance of the aims of the Society in encouraging and rewarding the study and practice of Science, Art, Literature and Philosophy, is pleased to advise and acknowledge the election of the following as Fellows and Distinguished Fellows of the Society in 2019.”

Fellows

Proven leaders and experts in their field, entitled to use the post nominal FRSN. Please note Professorial titles — including adjuncts, conjoint, and professors of practice — have been used where applicable. Details as to their field of expertise, their resident university (or universities) or institution may be ascertained from the Royal Society of New South Wales.

ABBOTT, Mr Christopher Murray Abbott AM
FRSN

ALEXANDER, Emeritus Professor Christine Anne
Alexander FRSN

ASHTON, Professor Paul Ashton FRSN

BELL, Dr (DLit) John Anthony Bell AO OBE
FRSN

BILEK, Professor Marcela Milena Bilek FRSN

BOTTEN, Emeritus Professor Lindsay Charles
Botten FRSN

BOWDEN, Professor Brett Michael Bowden FRSN

BRAULEY, Professor Sean Scott Brawley FRSN

BUCHAN, Dr Jennifer Mary Buchan FRSN

BYRON, Dr Ronald Neil Byron FRSN

CLARK, Associate Professor Cameron Edward
Fisher Clark FRSN

DAWSON, Emeritus Professor Terence John
Dawson FRSN

DENNY, Dr Martin Jonathan Denny FRSN

DOWTON, Professor Stephen Bruce Dowton
FRSN

DUTTON, Emeritus Professor Kenneth Dutton AM
FRSN

ELLIOTT, Professor Elizabeth Jane Elliott AM
FRSN

FRANKLIN, Professor James Franklin FRSN

FRENCH, Dr Peter William French FRSN

FROYLAND, Professor Gary Allan Froyland FRSN

GODFREY-SMITH, Professor Peter Richard
Godfrey-Smith FRSN

GOTTWALD, Professor Georg Arnold Gottwald
FRSN

GREEN, Emeritus Professor Anne Josephine Green
FRSN

HASSAN, Professor Medy Hassan FRSN

HEIMANS, Mr Ralph Heimans AM FRSN

HEWITT, Dr Robert Georg Hewitt FRSN

HELLESTRAND, Emeritus Professor Graham
Reginald Hellestrand FRSN

HIRST, Professor Jonathan James Hirst FRSN

HOLT, Professor Martin Holt FRSN

HOWLETT, Emeritus Professor Rolfe Cameron
Howlett FRSN

JONES, Professor Mark Glynn Jones FRSN

KAVALLARIS, Professor Maria Kavallaris AM
FRSN

KELEN, Emeritus Professor Christopher Kelen
FRSN

KING, Dr Robin William King FRSN

KOHN, Dr Rachel Kohn AO FRSN

KRISHNA, Professor Venni Venkata Krishna FRSN

LAWRENCE, Professor Raymond Malcolm Law-
rence FRSN

LINDOY, Professor Leonard Francis Lindoy FRSN

LONDON, Professor Kerry Anne London FRSN

MACEFIELD, Professor Vaughan Gary Macefield
FRSN

MACGREGOR, Ms Elizabeth Ann Macgregor
FRSN OBE(UK)

MACKAY, Dr (DLit) Hugh Clifford Mackay AO
FRSN

MATTHEWS, Dr Michael Robert Matthews FRSN

McKENZIE, Dr Warren Richard McKenzie FRSN

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NIXON, Professor Brett Nixon FRSN

PARIS, Dr Cecile Laurence Paris FRSN

PARK, Professor Robert Fraser Park FRSN

PATERSON, Commissioner (Rtd) Mark Paterson
AO FRSN

POLS, Professor Hans Pols FRSN

POWER, Associate Professor Ronika Kathleen
Power FRSN

RAMAGGE, Professor Jacqueline Ramagge FRSN

SHERINGTON, Emeritus Professor Geoffrey Edgar
Sherington FRSN

SHERWIN, Emeritus Professor William Bruce
Sherwin FRSN

SLADE, Emeritus Professor Christina Mary Slade
FRSN

SPARKES, Mr Allan John Sparkes CV OAM FRSN

TASKER, Professor Roy Francis Tasker FRSN

TRIGUBOFF, Dr (DUniv) Harry Oscar Triguboff
AO FRSN

WHITLOCK, Professor John Michael Whitlock
FRSN

WREN, Dr Barry G. Wren AM FRSN

WU, Mr Edward Wu FRSN

YU, Dr John Samuel Yu AC FRSN

ZELINSKY, Professor Alex Zelinsky AO FRSN

ZREIQAT, Payne-Scott Professor Hala Zreigat AM
FRSN

Distinguished Fellows

Those Fellows of exceptional distinction, entitled to use the post nominal DistFRSN.

MASON, The Honourable Sir Anthony Frank Mason AC KBE GBM(HK) DistFRSN QC

PAXINOS, Professor George Paxinos AO DistFRSN

Archibald Liversidge: Imperial Science under the Southern Cross

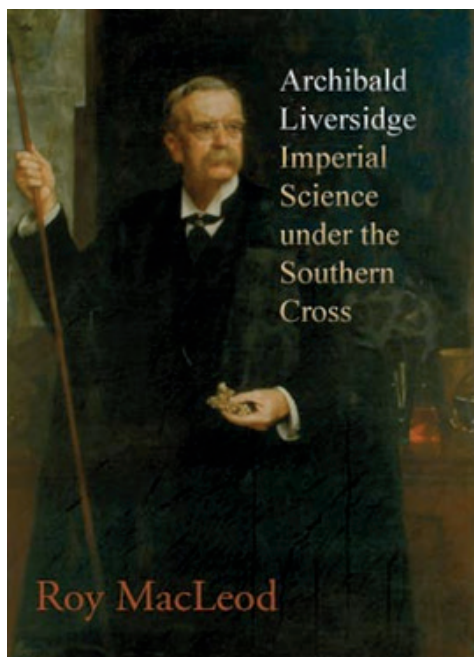
Roy MacLeod

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When Archibald Liversidge first arrived at the University of Sydney in 1872 as Reader in Geology and Assistant in the Laboratory, he had about ten students and two rooms in the main building. In 1874, he became Professor of Geology and Mineralogy and by 1879 he had persuaded the University Senate to open a Faculty of Science. He became its first Dean in 1882.

In 1880, he visited Europe as a trustee of the Australian Museum and his report helped to establish the Industrial, Technological and Sanitary Museum which formed the basis of the present Powerhouse Museum's collection. Liversidge also played a major role in establishing the *Australasian Association for the Advancement of Science* which held its first congress in 1888.

This book is essential reading for those interested in the development of science in colonial Australia, particularly the fields of crystallography, mineral chemistry, chemical geology and strategic minerals policy.



To order your copy, please complete the Liversidge Book Order Form available at:

https://royalsoc.org.au/images/pdf/McLeod_Liversidge_Order_Form_Rev.pdf

and return it together with your payment to:

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(Liversidge Book),
PO Box 576,
Crows Nest NSW 1585,
AUSTRALIA

or contact the Society:

Phone: +61 2 9431 8691
Fax: +61 2 9431 8677
Email: info@royalsoc.org.au

The Royal Society of New South Wales



INFORMATION FOR AUTHORS

Details of submission guidelines can be found in the on-line Style Guide for Authors at: <https://royalsoc.org.au/society-publications/information-for-authors>

Manuscripts are only accepted in digital format and should be e-mailed to: journal-ed@royalsoc.org.au

The templates available on the Journal website should be used for preparing manuscripts. Full instructions for preparing submissions are also given on the website.

If the file-size is too large to email it should be placed on a USB drive (or other digital media) and posted to:

The Honorary Secretary (Editorial),
The Royal Society of New South Wales,
PO Box 576,
Crows Nest, NSW 1585
Australia

Manuscripts will be reviewed by the Editor, in consultation with the Editorial Board, to decide whether the paper will be considered for publication in the Journal. Manuscripts are subjected to peer review by at least one independent reviewer. In the event of initial rejection, manuscripts may be sent to other reviewers.

Papers (other than those specially invited by the Editorial Board) will only be considered if the content is either substantially new material that has not been published previously, or is a review of a major research programme. Papers presenting aspects of the historical record of research carried out within Australia are particularly encouraged. In the case of papers presenting new research, the author must certify that the material has not been submitted concurrently elsewhere nor is likely to be published elsewhere in substantially the same form. In the case of papers reviewing a major research programme, the author must certify that the material has not been published substantially in the same form elsewhere and that permission for the Society to publish has been granted by all copyright holders. Letters to the Editor, Discourses, Short Notes and Abstracts of Australian PhD theses may also be submitted for publication. Please contact the Editor if you would like to discuss a possible article for inclusion in the Journal.

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