



The Bulletin 421

The Royal Society of New South Wales

ABN 76 470 896 415

ISSN 1039-1843

29 May 2018

For Your Diary:

21 June 2018

Southern Highlands Branch Lecture
Associate Professor David Suggett
**'Future Reefs: How climate change will
impact coral reefs'**
6.30pm start
Mittagong RSL

22 June 2018

RSNSW & SMSA

**Great Australians You Have Never Heard Of
Lecture 1**
Tom Keneally AO
6 for 6.30-7.30 pm (see p. 5)
Mitchell Theatre, SMSA, 280 Pitt St



Patron of The Royal Society of NSW
His Excellency General The Honourable
David Hurley AC DSC (Ret'd)
Governor of New South Wales

Open Lecture & OGM

'No Sex Please: We're Cape Bees'
Wednesday, 6th June 2018

Professor Ben Oldroyd
Professor of Behavioural Genetics
School of Life and Environmental Sciences
University of Sydney



See page 9 for more information

Date: Wednesday 6th June 2018

Time: 6:00 pm for 6:30 pm

Venue: Mitchell Galleries, State Library of NSW
(Entrance: Shakespeare Place, Sydney)

Dress: Business

Entry (including a welcome drink): \$10 for Members and Associate Members
of the Society, \$20 for Non-Members.

Dinner (including drinks): \$80 for Members and Associate Members, \$90 for
Non-Members.

Reservations must be made at least 2 days in advance

Reservations: <https://nsw-royalsoc.currinda.com/register/event/48>

Enquiries: royalsoc@royalsoc.org.au Phone: 9431 8691

All are welcome.

From the President

This has been an exciting period for the Royal Society of NSW, with the Society's Annual Dinner held for the first time in the Mitchell Gallery of the State Library of New South Wales. It was a glittering black-tie affair, with nearly 190 people attending – much the largest number ever to attend the Annual Dinner, and a number testing the limits of the State Library. The Governor, His Excellency the Honourable David Hurley AC, DSC (who is our Patron) and Mrs Linda Hurley were in attendance, with the Governor's party being greeted by Mrs Hurley's favourite music, "You are my sunshine."



The main speaker of the evening was the distinguished author, Thomas Kennealy, the winner of many literary awards, including the Booker Prize for *Schindler's Ark*, and twice the Miles Franklin Prize. He spoke eloquently and wittily about his forthcoming book on Mungo Man, at this time the oldest known Australian. His speech, which included science, history and literature, could be seen as the perfect embodiment of the Royal Society's commitment to "Science, Art, Literature and Philosophy".

Behind the scenes the Council is working hard on future projects and plans, including active planning for the Royal Society and Four Academies Forum, to be held at Government House on November 29, with the theme "Towards a prosperous yet sustainable Australia: what now for the lucky country?".

Your Council often grapples with the question of whether or not the Society should comment on particular matters of public policy, such as the planned relocation of the Powerhouse Museum. On the one hand such matters are inherently political; on the other they may have deep implications for the cultural life of the community. If you have views on this or other matters you can always let me know at President@royalsoc.org.au.

Ian Sloan AO FRSN
President, Royal Society of New South Wales



2018 Annual Dinner

The 2018 Annual Dinner on 18 May was the “best yet “ in several ways. The dinner was the first one held at the Society’s new home in the State Library of NSW. It was also largest yet; only a few of the 190 chairs around the 19 tables were unoccupied. There was no room to spare.

Another first was the presence of a string trio who entertained the arriving guests. The trio provided a rendition of “You are My Sunshine,” much to the pleasure of Mrs. Hurley, the wife of Governor, on the arrival of the viceregal party. The song is one of her favourites, but it is not in the canon of most string trios. The Society thanks both the trio for their improvisation and Associate Member Marian Kernahan for suggesting the song.

After the arrival of the Governor, events proceeded at a comfortably brisk pace. Ms. Judith Wheeldon AM FRSN acted as mistress of ceremonies and gave the Acknowledgement of Country. The Society President, Emeritus Professor Ian Sloan AO FRSN welcomed the Governor, Mrs. Hurley, and all other guests, who included the NSW State Librarian, Dr John Vallance, and Ms. Winsome Allen, President of the Sydney Mechanics School of Arts.

The Society was once again honoured by the presence and contributions of His Excellency General The Honourable David Hurley AC DSC (Ret'd) Governor of New South Wales and Patron of our Society. Among other things, he presented the seven medals to the 2017 award winners (see Pages 5-7). His Excellency also introduced our newest Distinguished Fellow and the evening’s main speaker, world-famous author Thomas Keneally AO, DistFRSN, noting, with good

Continued on Next Page



View of the packed hall from the podium



His Excellency and our new Distinguished Fellow



The String Trio entertaining the guests and Vice Regal party

2018 Annual Dinner *(Continued from Page 3)*

humour, the nice irony of the representative of the Queen introducing a well-known republican.

Mr. Keneally's talk enlightened the audience on the background and implications of his forthcoming novel on "Mungo Man" and "Mungo Lady." He recounted how the skeleton of a man found in 1974 and the remains of a cremated woman found earlier in 1968 were uncovered by geologist Jim Bowler in western New South Wales. The bones have been dated to be, at least, 40,000 years old, making them the oldest human remains found in Australia. Among other things, both sets of remains appeared to have been buried with ritual, including a dusting of ochre powder. Mr. Keneally described how finding human habitation and ceremony of this antiquity dramatically expands the history of Australia.

The vote of thanks was delivered most eloquently by Dr Mohammad Choucair, Member of Council.

The food, wine, service, and conversation among guests all added to the pleasure of the evening.



Thomas Keneally AO DistFRSN in full rhetorical flight



Ms Judith Wheeldon AM, FRSN was Mistress of Ceremonies



Dr Mohammad Choucair, Member of Council gives The Vote of Thanks



Annual Awards



Professor David Keith

Professor David Keith received the **Clarke Medal** for his contributions to botany. He is a professor in the Centre for Ecosystem Science at UNSW. His research interests include the dynamics and management of species populations and ecological communities, risk assessment for biodiversity conservation, and fire ecology. This medal is awarded on three-year rotation for distinguished research in the natural sciences conducted in the fields of botany, geology, and zoology, all of which are considered in the rotation.

The **Edgeworth David Medal** was awarded to **Associate Professor Angela Nickerson**. Her research concerns mental health of refugees and people in post-conflict zones; mechanisms underlying psychological effects of torture and trauma; phenomenology and treatment of posttraumatic stress reactions. The Edgeworth David Medal is awarded each year for distinguished research by a young scientist under the age of 35 years for work done mainly in Australia or for contributing to the advancement of Australian science.



Associate Professor Angela Nickerson

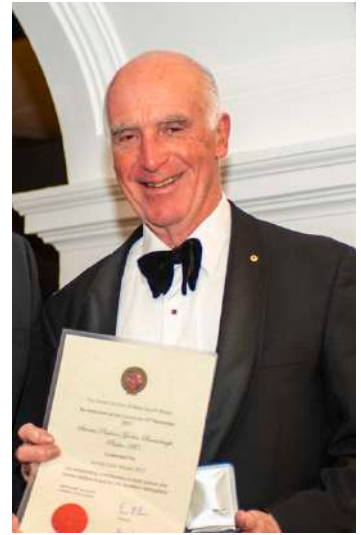


Professor Peter Godfrey-Smith

This year's winner of the **History and Philosophy of Science Medal** was **Professor Peter Godfrey-Smith** from Sydney University. His primary work concerns the philosophy of biology, the philosophy of mind, and their intersection. He also works on pragmatism, especially John Dewey, problems of evidence, and other parts of philosophy of science. This medal is awarded each year to recognise outstanding achievement in the History and Philosophy of Science, with preference being given to the study of ideas, institutions and individuals of significance to the practice of the natural sciences in Australia.

Annual Awards *(Continued from Page 5)*

Scientia Professor Gordon Parker received the **James Cook Medal**. This Medal is awarded from time to time for outstanding contributions to both science and human welfare in and for the Southern Hemisphere. Prof. Parker is considered one of Australia's most distinguished scientific leaders in the field of psychiatry, specialising in clinical research in mental health, in particular depression and bipolar disorder, and in the translation of that research into clinical services, community services, and educational/training programs, particularly through the internationally-recognised Black Dog Institute, which he founded.



Professor Gordon Parker



The **Poggendorff Lecture** was awarded to **Professor Brent Kaiser**. He is a molecular physiologist examining the regulation and control of plant nitrogen transport systems, including the mechanisms that operate in to enhance uptake and redistribution of inorganic nitrogen. The Poggendorf Lecture is awarded every two to three years for research in plant biology and more broadly agriculture.

Professor Andrea Morello FRSN was awarded with the **Pollock Memorial Lecture**. Prof. Morello's research has put him in the forefront of quantum technologies. He is currently progressing the construction of a quantum computer based on single spins in silicon. This lectureship has been awarded about every four years since 1949, sponsored by the University of Sydney and the Society in memory of Professor J.A. Pollock, Professor of Physics at the University of Sydney (1899-1922).



Annual Awards – Dr. Donald Hector



Dr. Donald Hector

Dr. Donald Hector AM FRSN was awarded the **RSNSW Medal**. The RSNSW Medal recognises meritorious services to the Society, along with contributions to the advancement of science, including administration and organization of scientific endeavours.

Dr. Hector graced the assemblage with an acceptance speech:

“Your Excellency and Royal Society colleagues,

I can’t tell you how deeply honoured I feel to have been presented with the Royal Society of New South Wales Medal this evening.

I wonder if may I read from a letter from the President of the Royal Society of New South Wales about a serious matter?

“Dear Mr Hector,
[it begins and then there are few words of introduction.] I think that your presentation of your ideas is very bad; you repeat your

your statements, you wander from point to point in apparently a most illogical manner, you do not marshal your facts in a telling manner and you are so lengthy that your hearers either become impatient and unsympathetic or become inert, making no attempt to follow your reasoning. [It continues in this vein for some time and then concludes...]

Yours sincerely, President”.

Now, I’m sure that none of you would think for a moment that this was addressed to me. And, indeed, you would be right – it was written in 1931 to my grandfather, Alexander Burnett Hector, who also was a member of the Royal Society of New South Wales for many years. A.B. Hector was dispatched from Britain to Australia in the 1890s to establish Burroughs Wellcome. By all accounts, he did this well and became influential in Sydney’s intellectual circles until the 1930s. But it seems that he gained a reputation (at least within the Society!) for being rather difficult to deal with – a characteristic dealt with at length and somewhat tersely by the then President of the Society, Oscar Vonwiller.

The only reason I mention this is by way of explanation – those of you with whom I have worked closely would know that at times I can be somewhat focused, some might even say, impatient. So, I’m falling back on the now-popular genetic defence, that your character defects are deeply encoded in your DNA.

(Continued on next page...)

Dr. Donald Hector *(Continued from Page 7)*

More seriously though, I cannot overstate how much I enjoy belonging to the Society. I have met a group of quite extraordinary people, with very diverse interests. I've had some wonderful conversations and formed some great friendships. The strength of the Society is in its breadth – science, art, literature and philosophy – and this differentiates it from almost all Australian intellectual institutions. It contributed to the Society became the leading such organisation in Australia in the 19th and early 20th centuries and, I firmly believe that, now it has been through a period of readjustment, it will re-establish its leadership in New South Wales, if not Australia, in the 21st century.

One of the difficulties with awards like this is that they suggest that success is due to the efforts of one person. At least in my case, this is not so. The recent renaissance of the Society is due to a team effort by a group of hard-working, intelligent, committed people who want to see the Society succeed in the long-term. It's always risky to acknowledge individuals by name because you are sure to miss some but I cannot finish without acknowledging at least a few of them. Brynn Hibbert, who was a Vice President when I was President and then our roles reversed. I don't think two people could be further apart on the personality spectrum than Brynn and me, but we have formed a fine friendship and have an extremely effective working relationship. Thanks, Brynn.

Others are Ian Sloan, who has done a great job chairing the Fellows Committee and, of course, is now President. Judith Wheeldon, John Hardie, Herma Buttner, Ian Wilkinson, Jim Kehoe, Erik Aslaksen, Robert Marks, Michael Burton (editor of the Journal s before Robert), Richard Wilmott, Anne Wood, Hub Regtop, Robert Clancy, Heinz Hora, Peter Baume, Noel Hush, and Mohammed Choucair.

And, of course, Your Excellency. Having a Vice-Regal Patron who has taken a deep interest in the Society and its affairs and has given it such strong support has been invaluable.

But these people are just a few that I've had the privilege to work with closely – there have been many others who have contributed to the Society's recent success and make it such an enjoyable and stimulating place to meet.

Thank you once again for this honour – I shall treasure it.”



Government House: Site of RSNSW & Four Academies Forum established by Dr. Hector while President of the Society

Professor Ben Oldroyd

School of Life and Environmental Sciences
University of Sydney

‘No Sex Please: We’re Cape Bees’



Ant and bee colonies have often served as allegorical models for ideal human societies. This view is nicely illustrated by Shakespeare’s *King Henry V* in which a bee colony is depicted as a benevolent dictatorship with workers carrying out tasks and living in harmonious obedience to a caring monarch, much like Elizabethan England should have been.

Professor Ben Oldroyd has spent a career trying to prove that this idea is wrong. In particular, Ben bred a line of ‘anarchistic’ honey bees, in which the workers laid eggs all the time. Such worker misbehaviour has devastating colony-level effects, because the worker-laid eggs develop into useless male drones. Ben’s work uncovered the gene network that regulates worker sterility in normal bees, showing that in normal workers with a queen and her pheromone, egg development is aborted by programmed cell death in the ovaries of workers. This solved a 50 year old puzzle as to how a gene that causes sterility could operate. Think about it, if a gene makes you sterile how could it spread?

But that’s not what this lecture will be about. Rather, Ben will be talking about a remarkable honey bee subspecies from South Africa, *Apis mellifera capensis*. Capensis is unique because when an unmated Capensis worker lays an egg it develops not as a male, but as a female – a clone of the worker. This gives a Capensis worker the opportunity to be reincarnated as a queen, much like a pawn in chess. And this completely disrupts their societies because Capensis workers are always plotting revolutions. Ben’s got it all figured out and will tell the tale. You can look forward to hearing about the march of the Clones across the commercial industry, triploid queens, gassed virgins, fusion nuclei, social parasitism, social cancers and more besides.

Ben Oldroyd is Professor of Behavioural Genetics at the University of Sydney. He completed a BSc(Agr) at Sydney in 1980 and a PhD on bee breeding in 1984. Ben’s research focuses on the genetics of honey bees, the evolution of social behavior and evolution more broadly. In 2001 Ben was awarded a Doctor of Science for his contributions to the understanding of the evolution of honey bee societies and is past President of the International Union for the Study of Social Insects. Ben is heavily involved with the Australian beekeeping industry, including helping beekeepers breed better, healthier strains. In recognition of this, Ben was awarded the NSW Science and Engineering award in Biology in 2014. Ben has made important contributions to our understanding of the biology of Asian honey bees. His book *Asian Honey Bees: Biology, Conservation and Human Interactions* (Harvard University Press) is the authoritative text on the subject. Ben has authored nearly 300 scientific papers on honey bees and stingless bees.

**Report of the 17 May 2018 Meeting
Royal Society of NSW
Southern Highlands Branch**

**Professor Gordon Parker AO
Scientia Professor of Psychiatry, UNSW**



**An Overview of Depression in Our Society,
and for people to have a more rational model for
considering whether antidepressant drugs are likely to
be useful or not**

A community audience of 70 warmly greeted Gordon Parker as he entered the comfortable Joadja/Nattai Conference room at the Mittagong RSL. They had come to hear his latest position on the common administration of antidepressants in our modern society. Much of Professor Parker's earlier research was already familiar to many through his extraordinary number of publications and citations in the field of Psychiatry/Psychology. In 2004 he had received a Citation Laureate as the Australian Scientist most highly cited in these specialities.

Professor Parker's opening comments concerned the huge numbers of Australians currently being treated with antidepressants, a distinctive rate increase compared with that of previous generations. In offering reasons for this marked increase, Parker presented a model of the depressive disorders that he argued spring from quite differing biological, psychological (e.g., personality) and social (e.g., loneliness, marital dysfunction) causes – and the relevance or irrelevance of antidepressants as primary or secondary treatments. He then overviewed the debate as to whether antidepressant drugs are more effective or not than placebos.

According to Parker, much of the debate concerning the numerous available treatments of depression has stemmed from the fact that the term “depression” doesn't really say much in and of itself. He made a comparison with the term “breathlessness” which is clearly not a single condition. It could result from the patient running in late to see the doctor, climbing a high mountain, and from asthma, pneumonia, or a pulmonary embolism to name a few. Similarly, the term “depression” is used to cover biologically depressive conditions, conditions caused by stress or personality predisposition, bipolar disorders, non-polar mood disorders and many others. Parker does not support use of the term “depression” as if that were all-explanatory of the huge range of conditions that he sees and treats.

... Continued on Page 12

2018 Events

Royal Society – Southern Highlands Branch

Date*	Event	Speaker	Topic	Location**
21-Jun-18	Public Lecture	Dr David Suggett	Future Reefs: How climate change will impact coral reefs	Mittagong RSL
19-Jul-18	Public Lecture	Dr Ken McCracken	t.b.a.	Mittagong RSL
16-Aug-18	Public Lecture	Dr Philip Cam	Philosophy in Schools	Mittagong RSL
20-Sep-18	Public Lecture	Prof Bert Roberts	Aboriginal Art from 65,000 years ago	Mittagong RSL
18-Oct-18	Public Lecture	Hugh Mackay	The State of the Nation Starts in Your Street	Mittagong RSL
15-Nov-18	Public Lecture	t.b.a.		Mittagong RSL

*Lectures are the third Thursday of each month.

**1st Floor, Room Joadja/Nattai.

Next Meeting of Southern Highlands Branch

21 June 2018 – Mittagong RSL

Associate Professor David Suggett B.Sc., M.Sc., Ph.D.



‘Future Reefs: How Climate Change Will Impact Coral Reefs’

Topic 1: Phytoplankton, phytoplankton bloom, corals, coral reef, coral bleaching, ocean acidification, ocean productivity, ocean health, climate change.

Associate Professor David Suggett is a marine biologist with research interests in photophysiology, and productivity of aquatic primary producers, ranging from microalgae to corals. Prior to joining UTS as an ARC Future Fellow, he was a Postdoctoral Research Fellow, and then lecturer in Marine Biogeochemistry, at the University of Essex, UK.

At UTS he is a core member of The Climate Change Cluster (C3) where his research focuses on improving marine primary productivity estimates using advanced active fluorometry (bio-optical) approaches. The outcomes from this research will provide more accurate information on the health of Australian coastal waters and be used to improve Global Climate Models.

A/Prof Suggett is also the leader for the C3 Future Reefs program where he and his co-workers research how the environment shapes coral functioning. They also develop and apply novel technological solutions to monitor and manage for healthy reefs. This includes novel and innovative approaches to enhance reef resilience to climate change.

Topic 2: Coral bleaching: the delicate interface between corals and their algal symbionts driving future coral survival.

In the past few decades, coral reef ecosystems across the world have suffered unprecedented degradation, which has been attributed primarily to natural and anthropogenic factors including climate driven warming and acidification of the ocean and localised pollution, all of which result in

... Continued on Page 12

... Continued from Page 10

Professor Gordon Parker AO - An Overview of Depression in Our Society

Management of the depressive condition is also problematic, according to Parker. If a person suffering from depression visits a doctor, usually an anti-depressant drug will be prescribed. A visit to a psychologist for the same type of depression will very likely result in cognitive behaviour therapy, while an appointment with a counsellor will result in counselling as the preferred method of treatment. Parker expressed concern that when a treatment choice is being dictated by the background training or discipline of the practitioner, then it is not consistent with a classical medical approach. Medicine would say for example in the case of breathlessness, “Is it asthma or a pulmonary embolism or is it pneumonia?” and would rightly in turn give a bronchodilator or an anticoagulant or an antibiotic.

The consequences of using the general term “depression” for a huge range of conditions, and then treatment of these conditions according to the background of the practitioner results in both over-treatment and under-treatment according to Parker. People who would benefit from medication because of biological disorders often do not receive medication, and conversely people who do not need medication often receive it.

Many in the audience were surprised to hear that Professor Gordon Parker, as well as publishing prolifically in his academic field, has often stepped successfully into a wider world of publications. His autobiography *A Piece of my Mind: A Psychiatrist on the Couch* was published in 2012. His latest novel *In Two Minds* was published in April 2017, and has a testimonial on the cover by Stephen Fry stating: “I can more or less guarantee that you know someone for whom this book will be important and inspiring. There is a very strong chance that person will be you.”

...
Anne Wood FRSN

... Continued from Page 11

Associate Professor David Suggett – Future Reefs

bleaching of the reef-building corals. Mass coral bleaching has led to major losses of reef worldwide in the last decade, including the Great Barrier Reef during the 2016-17 heat wave. Coral bleaching is a generic term used to describe loss of pigmentation from corals, and typically reflects rapid loss of pigmentation and/or cells of the corals’ algal endosymbionts (zooxanthellae). Hundreds of species of zooxanthellae have now been identified, but those that associated with corals most susceptible to heat stress effective become “toxic” under warming. My laboratory has spent the past decade researching just how, when and where these cells become toxic, and recently focussed on examining coral populations thriving under naturally hot-acidic waters to uncover the mechanisms required for corals to associate with less toxic zooxanthellae strains. In doing so, we are beginning to uncover the coral-zooxanthellae associations may in fact be more flexible than previously considered, and the conditions required for corals to survive under future (more extreme) climates. We have developed numerous assays to exploit the signatures of ‘stress tolerance’ to improve identification of reefs that may require more targeted reef management approaches

Great Australians You Have Never Heard Of

The Royal Society of NSW and the Sydney Mechanics' School of Arts (SMSA) are proud to present the next collaborative lecture series, Great Australians You've Never Heard Of.

Over the course of four lectures, our esteemed speakers will share the fascinating stories of some remarkable Australians who have helped create the extraordinary society we live in, but have not received the recognition they deserve.



Lecture 1

Thomas Keneally AO DistFRSN

Date: Friday 22 June 2018, 6pm for 6.30 to 7.30pm. Light refreshments will be served.

Cost: \$15 members of RSNSW and SMSA, \$20 non-members and guests

Location: Mitchell Theatre, Level 1, Sydney Mechanics School of Arts, 280 Pitt St, Sydney (near Town Hall Station)

Registration: <https://smsa.org.au/events/booking-form-great-australians-series/>

Join author Tom Keneally to hear the story of the remarkable life and death of a Great Australian, whose identity will be revealed during the lecture. The story of this Tasmanian convict starts in the Irish rebellion and leads all the way to a Governorship. A thorn in the side of Governor Denison, he became a resident of Ross and Lake Sorrell, before escaping to the United States by whaler. There he worked as a New York newspaperman, lawyer, became a friend of the Lincolns, a Union general, and finally Governor of Montana. His statue stands today outside the Montana legislature and at the Civil War battlefield of Antietam. His sole Australian monument is his infant son's grave outside the Ross Catholic Church.

Tom Keneally won the Booker Prize in 1982 with *Schindler's Ark*, later made into the Steven Spielberg Academy Award-winning film *Schindler's List*. His non-fiction includes the memoir *Searching for Schindler* and *Three Famines*, an LA Times Book of the Year, and the histories *The Commonwealth of Thieves*, *The Great Shame* and *American Scoundrel*. His fiction includes *Napoleon's Last Island*, *Shame and the Captives*, *The Daughters of Mars*, *The Widow and Her Hero* (shortlisted for the Prime Minister's Literary Award), *An Angel in Australia* and *Bettany's Book*.

His novels *The Chant of Jimmie Blacksmith*, *Gossip from the Forest*, and *Confederates* were all shortlisted for the Booker Prize, while *Bring Larks and Heroes* and *Three Cheers for the Paraclete* won the Miles Franklin Award. *The People's Train* was long-listed for the Miles Franklin Award and shortlisted for the Commonwealth Writers Prize, South East Asia division.

Schedule of RSNSW Events 2018

Date	Event	Speakers	Topics and Presentations	Location
6-Jun-18	Ordinary General Meeting	Prof Ben Oldroyd	No sex please, we're Cape bees	State Library of NSW
22-Jun-18	Great Australians Lecture 1	Tom Keneally AO	Great Australians You Have Never Heard Of	SMSA
4-Jul-18	Ordinary General Meeting	A/Prof Joanna Mendelsohn	Art, Money and Exhibitions in Australia	State Library of NSW
23-Jul-18	Great Australians Lecture 2	Em Prof Stephen Leeder	Great Australians You Have Never Heard Of	SMSA
1-Aug-18	Poggendorf Lecture	Prof Brent Kaiser	tba	
8-Aug-18	Ordinary General Meeting	Prof Muireann Irish	Neuroscience	State Library of NSW
13-17 Aug-2018	National Science Week	TBA	RSNSW & SMSA Science Talks	SMSA
5-Sep-18	Ordinary General Meeting	Prof Richard Kemp	Eyewitness Evidence	State Library of NSW
6-Sep-18	Great Australians Lecture 3	Em Prof Brynn Hibbert	Great Australians You Have Never Heard Of	SMSA
3-Oct-18	Ordinary General Meeting	Prof Gordon Wallace	3D Printing of Body Parts	State Library of NSW
7-Nov-18	Ordinary General Meeting	A/Prof Tara Murphy	Gravitational Waves	State Library of NSW
12-Nov-18	Great Australians Lecture 4	Prof Alison Bashford	Great Australians You Have Never Heard Of	SMSA
29-Nov-18	RSNSW & Four Learned Academies Forum	TBA		NSW Government House
5-Dec-18	Ordinary General Meeting	Jak Kelly Award Winner	2018 Jak Kelly Award Presentation & Christmas Party	State Library of NSW

Contacts for Your Officer Bearers and Council Members

Prof Ian Sloan AO President: president@royalsoc.org.au

Em Prof D. Brynn Hibbert Vice-President (Immediate Past President):
b.hibbert@unsw.edu.au

Mr John R. Hardie Vice-President: john.hardie@royalsoc.org.au

Ms Judith Wheeldon AM Vice President: judith.wheeldon@mac.com

Mr Richard Wilmott Hon Treasurer: rjwilmott@gmail.com

Dr Herma Buttner Hon Secretary: secretary@royalsoc.org.au

Em Prof Robert Marks Hon Sec (Editorial): editor@royalsoc.org.au

Dr Ragbir Bhathal Hon Librarian: R.Bhathal@westernsydney.edu.au

A/Prof Chris Bertram Hon Webmaster: c.bertram@sydney.edu.au

Ms Anne Wood (Southern Highlands Rep): wood.anne@gmail.com

Dr Erik Aslaksen: erik.aslaksen@bigpond.com

Dr Mohammad Choucair: mohammad.choucair@sydney.edu.au

Em Prof Robert Clancy AM: robert.clancy181@gmail.com

Dr Laurel Evelyn Dyson (Bulletin Editor): Laurel.E.Dyson@uts.edu.au

Ms Margaret Gibson: mragibson@optus.com.au

Dr Donald Hector AM: dhector@royalsoc.org.au

Prof Nalini Joshi AO: nalini.joshi@sydney.edu.au

The Hon Virginia Judge: vijudge@cmri.org.au

Prof E. James Kehoe: ejameskehoe@gmail.com

Hon Prof Ian Wilkinson: ian.wilkinson@sydney.edu.au

The Bulletin is issued monthly by the Royal Society of New South Wales

Editor: Dr Laurel Evelyn Dyson and Prof. E. James Kehoe

Contact: Ms Thalia Child, Phone: +61 2 9431 8691 Fax: +61 2 9431 8677 Email: royalsoc@royalsoc.org.au

Mailing Address: The Royal Society of NSW, PO Box 576, Crows Nest NSW 1585, Australia

For further information: <http://www.royalsoc.org.au/>