

**1317th ORDINARY GENERAL MEETING
and
2022 CLARKE MEMORIAL LECTURE**

Wednesday 8 November 2023 at 6:30pm

**MACQUARIE ROOM AND METCALFE AUDITORIUM, STATE LIBRARY OF NSW
(enter via Macquarie Street entrance)**

The 1317th Ordinary General Meeting of the Royal Society of NSW will take place at 6:30 pm on Wednesday 4 October 2023 in the Gallery Room, State Library of NSW, followed by an open lecture. Registration and refreshments will be available in the Macquarie Room (adjacent to the auditorium) from 6:00 pm.

AGENDA

1. WELCOME – President, Dr Susan Pond AM FRSN

2. MINUTES

Minutes of the 1316th Ordinary General Meeting will be reviewed.

3. CONFIRMATION OF NAMES OF CANDIDATES FOR FELLOWSHIP AND MEMBERSHIP

As the Fellows and Members Assessment Committee has not met since the 1315th OGM, there are no nominations for membership at this meeting.

4. PRESENTATION OF FELLOWSHIP AND MEMBERSHIP CERTIFICATES

As there were no nominations for membership at the 1316th OGM, there will be no presentation of certificates at this meeting.

5. REPORT FROM COUNCIL AND COMMITTEES OF COUNCIL

The President will report on matters dealt with by the Council and Committees since last OGM.

7. QUESTIONS

8. 2022 CLARKE MEMORIAL LECTURE

“Caves as observatories of groundwater recharge”

Professor Andy Baker FRSN FAGU

School of Biological, Earth, and Environment Sciences, University of NSW

Much of the world relies on groundwater as a water resource, yet it is hard to know when and where rainfall actually replenishes our groundwater aquifers. Caves that are situated above the groundwater table are unique observatories of water transiting from the land surface to the aquifer. Professor Baker will show how networks of loggers deployed in Australian caves (and mines and tunnels) have helped understand when, where and how much rainfall is needed to replenish the groundwater.

Andy Baker is a Professor in the School of Biological, Earth, and Environmental Sciences at the University of NSW, Sydney. His research includes the investigation of the climate, soil and groundwater processes that affect the cave and other subsurface environments. He is a Fellow of the American Geophysical Union and the Royal Society of New South Wales. He was awarded the Royal Society of New South Wales Clarke Medal (Geology) and Lecture in 2022.

The Royal Society of NSW Clarke Medal honours Rev. William Branwhite Clarke, a geologist, and significant figure in the history of the Royal Society of NSW, serving for a decade as a highly influential Senior Vice-President of the Society (in the early years, the Governor of NSW was the President of the Society). The Medal was first awarded in 1878 “*for meritorious contributions to Geology, Mineralogy and Natural History of Australasia*”. The first Clarke Memorial Lecture was delivered in 1903. Since 2018, the Clarke Medal and Lectureship have been conjoined.

9. VOTE OF THANKS

10. CLOSE – President

Dr Donald Hector AM FRSN

Secretary