



The Royal Society of Western Australia

RSWA Symposium 2018

Poster Award Winners

On 27 and 28 July 2018 The Royal Society of Western Australia (RSWA) organised a well attended Symposium at The University of Western Australia. The theme was "Landscapes, Seascapes and Biota: Unique Western Australia - Past, Present and Future". The two day conference included a Poster Competition to encourage and support the work of Postgraduate Students and Early Career Science Researchers. Only one poster per student could be included. Others could be displayed, but not included for the competition. The Program included a competition with 48 posters eligible to win one of ten \$1,000 prizes (Program p32 to 80, pdf p34 to 82); there were 8 other posters not in the competition (Program p81 to 89, pdf p83 to 91):-

<https://www.rswa.org.au/events/pastevents/2018%2007%2027%20&%2028%20-%20RSWA%20Symposium%20Program%20and%20Abstracts.pdf>

Congratulations to the ten Poster Award Winners each for \$1,000 - refer pages 1 and 2.

Thanks to our Poster Award Sponsors - refer pages 3 and 4.

About the Memorial Awards - refer page 4.

1. Dacian Gold – PESA (Petroleum Exploration Society of Australia) Award \$1,000

Giada Bufarale - Curtin University

"Sea-level controls on buried geomorphology within the Swan River Estuary during the Late Quaternary"

Giada Bufarale, Michael O'Leary, Alexandra Stevens, Lindsay B. Collins

Poster 7, Program p39, pdf p41

2. Aurora Environmental Award \$1,000

Caroline Mather - The University of Western Australia

"Paleoenvironmental and paleohydrological records from groundwater dolocrete within a saline wetland in the semi-arid Pilbara region of northwest Australia"

Caroline Mather, Grzegorz Skryzpek, Shawan Dogramaci, Pauline F. Grierson

Poster 25, Program p57, pdf p59

3. Curtin University-sponsored Award \$1,000

Emily Grey - The University of Western Australia

"Reading Plants"

Emily Grey

Poster 16, Program p48, pdf p50

4. Edith Cowan University-sponsored Award \$1,000

Emily Eakin-Busher - Murdoch University

"Is blue really better? The success of coloured pan traps for sampling insects in the city of Perth"

Emily Eakin-Busher

Poster 14, Program p46, pdf p48



The Royal Society of Western Australia

RSWA Symposium 2018 Poster Award Winners

5. Murdoch University-sponsored Award \$1,000

Daniela Scaccabarozzi - Curtin University

"Dressing up as pea plants: behavioural and morphological evidence for Guild mimicry in an Australian orchid"

Daniela Scaccabarozzi, Salvatore Cozzolino, Lorenzo Guzzetti, Andrea Galimberti, Lynne Milne, Kingsley W. Dixon and Ryan D. Phillips

Poster 37, Program p69, pdf p71

6. The University of Western Australia-sponsored Award \$1,000

Melissa Karlinski - Edith Cowan University

"Seeding xylem anatomy of two Banksia species relative to availability of groundwater"

Melissa Karlinski, Paul Drake, Ray Froend

Poster 20, Program p52, pdf p54

7. Francis Thomas Gregory Memorial Award \$1,000

Belinda Martin - The University of Western Australia

"Laying Cables; Redressing Sulphide Oxidation in Seagrass Rhizospheres"

B.C. Martin, J. Bougoure, T. Colmer, W. Bennett, M.H. Ryan, N.K. Joyce, Ylva Olsen, G.A. Kendrick

Poster 23, Program p55, pdf p57

8. Sir John Forrest Memorial Award \$1,000

Mieke van der Heyde - Curtin University

"Assessing terrestrial metabarcoding of multiple substrates for biological auditing"

Mieke van der Heyde, Michael Bunce, Grant Wardell-Johnson, Nicole White, Paul Neville

Poster 43, Program p75, pdf p77

9. Lucy Florence Victoria Hosking Memorial Award \$1,000

Jen Middleton - The University of Western Australia

"Breakdown and aquatic invertebrate dynamics of single- and mixed-species leaf packs of three native species in the Warren River, south-west Australia"

J. Middleton, L. Beesley, D. Gwinn, A.J. Boulton

Poster 26, Program p58, pdf p60

10. Curt Teichert Memorial Award \$1,000

Chanelle Webster - Edith Cowan University

"Extreme summer rainfall event influences seagrass resilience in unexpected ways in an iconic estuary, Western Australia"

Chanelle Webster, Kathryn McMahon, Kieryn Kilminster, Marta Sanchez Alarcon and Katherine Bennett

Poster 45, Program p77, pdf p79

Thanks to our Poster Award Sponsors

1. Dacian Gold – PESA (Petroleum Exploration Society of Australia) Award \$1,000

Dacian Gold Limited is a Western Australian based gold development and exploration company. Its sole focus is to bring its 100% owned Mount Morgans Gold Project in the highly endowed Laverton district of Western Australia into production.

Refer <https://daciangold.com.au/>

The Petroleum Exploration Society of Australia (PESA) is a national organisation representing the interests of all professionals and practitioners in the upstream petroleum industry. The emphasis of the Society is primarily geoscientific.

Refer <https://www.pesa.com.au/>

2. Aurora Environmental Award \$1,000

Aurora Environmental is a Western Australian based specialist environmental science and occupational hygiene consultancy who operate throughout Australia and internationally.

Refer <https://www.auroraenvironmental.com.au/>

3. Curtin University-sponsored Award \$1,000

For Curtin University's research in the natural sciences,

Refer <http://www.curtin.edu.au/>

4. Edith Cowan University-sponsored Award \$1,000

For Edith Cowan University's research in the natural sciences,

Refer <http://www.ecu.edu.au/>

5. Murdoch University-sponsored Award \$1,000

For Murdoch University's research in the natural sciences,

Refer <http://www.murdoch.edu.au/>

6. The University of Western Australia-sponsored Award \$1,000

For The University of Western Australia's research in the natural sciences,

Refer <https://www.uwa.edu.au/>

About the Memorial Awards

Thanks to an anonymous sponsor for two of these Memorial Awards, and the other two sponsored by The Royal Society of Western Australia

7. Francis Thomas Gregory Memorial Award \$1,000

Francis Gregory (1821-1888) arrived in Western Australia as an 8-year old in 1829. He trained and became a surveyor (including assistant government surveyor, 1847, and a staff surveyor, 1849) and during the early 1860s led the exploration of the Pilbara and Murchison regions, and for the first time recognized the immense grazing potential of these regions. For this work he was awarded the Gold Medal of the Royal Geographical Society (1863). In 1861 Francis Gregory published "On the Geology of a Part of Western Australia" (*Quarterly Journal of the Geological Society*, v. 17, p. 475–482). This was an extraordinary piece of work for that time and showed geological cross-sections through what is now known as the Perth and Carnarvon Basins and adjoining Precambrian areas. What is more astounding is that Francis Gregory and his brother Joshua previewed a geological map together with the cross-sections 15 years earlier at a meeting of the Geological Society in London in November 1847 (note published in *Quarterly Journal of the Geological Society*, v. 4, p. 142). It took a further 100 years to significantly improve the cross section of the Carnarvon Basin.

Refer <http://adb.anu.edu.au/biography/gregory-francis-thomas-frank-3899>

8. Sir John Forrest Memorial Award \$1,000

Sir John Forrest (1847–1918) was the first Premier of Western Australia (1890–1901) and a cabinet minister in Australia's first federal parliament. Between 1869 and 1874 he led several major expeditions into the interior of Western Australia and for this was awarded the Founder's Gold Medal of the Royal Geographical Society. In 1890 the West Australian Natural History Society was founded under the Presidency of Sir John Forrest, KCMG. The West Australian Natural History Society, which existed from 1890 to 1897, was one of the precursor societies that led to the formation of The Royal Society of Western Australia in 1914.

Refer <http://adb.anu.edu.au/biography/forrest-sir-john-6211>

Refer <https://www.rswa.org.au/aboutRswa/History%20of%20RSWA.pdf>

9. Lucy Florence Victoria Hosking Memorial Award \$1,000

Lucy Hosking (1904-1996) was one of the first female university lecturers in a natural science in Western Australia (as the first female lecturer in geology, 1931-1933, at UWA). She published five palaeontological papers (including several in the *Journal of The Royal Society of Western Australia*) and did some of the pioneering work on Brachiopoda from the Paleozoic of the Kimberley, Carnarvon and Geraldton regions. She resigned her academic position on marriage, as was required in those days.

Refer <http://www.womenaustralia.info/leaders/bib/WLP002081.htm>

10. Curt Teichert Memorial Award \$1,000

Curt Teichert (1905–1996) was noted for his contributions to geology, Paleozoic stratigraphy and paleontology, the evolution of Cephalopoda, and ancient and modern reefs. He came to Western Australia in 1937 through a Carnegie Foundation grant that allowed him and his wife to escape from Nazi Germany. During his time at the University of Western Australia (1937–1945) he undertook some of the pioneering work in establishing the detailed stratigraphy of Western Australia sedimentary basins, especially the Carnarvon Basin.

Refer <ftp://rock.geosociety.org/pub/Memorials/v28/teichert.pdf>