ANZMAG NEWS - May 2024

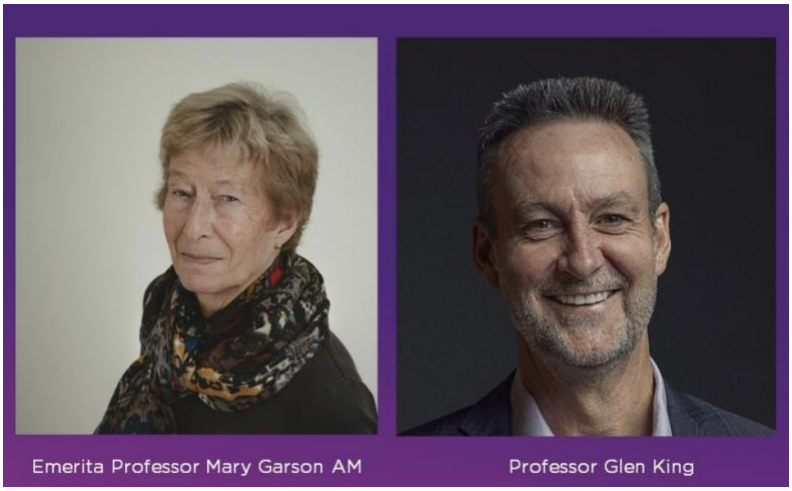
By Oliver A.H. Jones (RMIT University - oliver.jones@rmit.edu.au)

Dear all, Welcome to May 2024 edition of ANZMAG. I hope you have all had a great month and that you enjoy the newsletter. As usual, please feel free to send feedback and/or suggestions for anything you would like to see in future editions.

ANZMAGers IN THE NEWS

We start this month with **BIG CONGRATUALTIONS** to ANZMAGers Emerita Professor Mary Garson AM, and Professor Glenn King who are among 24 of the nation's distinguished scientists to be elected to Fellowship of the Australian Academy of Science this year. See the full list at https://www.science.org.au/news-and-events/news-and-media-releases/academy-announces-2024-fellows-for-outstanding-contributions-to-science

If you want to nominate someone to fellowship, see https://www.science.org.au/fellowship/election-to-the-academy for details of the 2025 election round process.



Congratulations again to Mary (who is also on Wikipedia) and Glenn and all the other fellows. I hope one day I will have done enough to join you as FAA.

CONFERENCES

- RACI Chemical Education Division Symposium will be held from 1-3 July, at the University of Sydney Abstracts close June 7th. See https://app.oxfordabstracts.com/stages/40570/submitter
- The Faraday Discussion on NMR Crystallography, will be held in Birmingham UK on 4-6 September 2024. See https://www.rsc.org/events/detail/76512/ for details
- You can do a 2 for 1 in Birmingham as The "NMR at Ultra-High Field: Opportunities and Synergies in Structural Biology" meeting will also be held therefrom 19-20 September. There are some great speakers, including Hashim Al-Hashimi from Columbia University. See https://uobevents.eventsair.com/nmr-conference/ for more.

SCI COMM WORKS

For those in Victoria **Scienceworks** out in Spotswood is again running a great program called Sci Comm Works. This is a volunteering program for university students who are interested in getting hands-on experience working with audiences and doing science communication. They could be studying science, education, or any other relevant field. Details are at https://museumsvictoria.com.au/learning/student-opportunities/sci-comm-works?

JOBS AND FELLOWSHIPS

- Monash University Monash has 3 lecturer positions in biological science Closing date **20th June**. Details at https://careers.pageuppeople.com/513/cw/en/job/664762/multiple-positions-as-lecturer-senior-lecturer-in-biological-sciences
- The University of Melbourne is looking for a Lecturer in Soil Science. Closing date **4th June** https://jobs.unimelb.edu.au/en/job/916945/lecturer-in-soil-science

GRANTS AND AWARDS

- Last call for **The National Measurement Institute Awards** as applications close on the 28th June. See https://www.industry.gov.au/national-measurement-institute/measurement-awards
- The **Royal Society of Victoria Young Scientist Research Prizes** are open for nominations (closing 30th June). See https://rsv.org.au/awards-and-prizes/young-scientist-research-prizes/ for full details.

PAPER OF THE MONTH

This month's Paper of the Month is an interesting application of EPR. The title is "An EPR study of the marbles from quarries of the Denizli region (Turkey): A contribution to the provenance assessment of materials with close relationships" Working out the provenance of white marble used in historical artifacts but from quarries in a close geographic area is of wide interest in archaeology, but a challenging task analytically. In this paper the authors use EPR spectroscopy to look at marble from 5 quarries located in Turkey) that were used in the Hellenistic and Roman periods to provide materials for the buildings. The EPR data was used in combination with the results of isotope geochemistry and petrological observations, to allow discrimination of the provenance of marbles samples from the serepate quarries. I thought it was quite an interesting application. You can read all about it in the microchemical journal at https://www.sciencedirect.com/science/article/pii/S0026265X24009147#s0030

STORIES FROM THE WEB

- https://www.jeol.com/products/science/esr.php - A nice summary of electron spin resonance from Jeol.
- https://healthimaging.com/topics/medical-imaging/magnetic-resonance-imaging-mri/philips-celebrates-nearly-2m-liters-liquid-helium-saved-thanks-its-helium-free-mri-technology - Philips' has apparently saved nearly 2 million liters of liquid helium thanks to its "helium-free" MRI technology. Pretty impressive.
- https://www.electronicsonline.net.au/content/power/article/designing-safer-higher-performance-lithium-batteries-1703417449 can NMR be used to help design the anode surface in lithium metal batteries? Find out here.