

Mineralogical Society of Great Britain and Ireland

www.minersoc.org

FROM THE NEW PRESIDENT



To take over as president of a learned society which has a track record of playing a leading role in mineralogy for nearly 150 years is a great honour and a privilege, but also a great challenge. The needs and expectations of members are very different from what they were when I first joined. However, the Mineralogical Society of Great Britain and Ireland (MinSoc) has always been willing and able to adapt to the times, most recently through our partnership with Cambridge University Press. To justify our existence, we must

Bruce Yardley

provide meetings, publications and services that are tailored to the needs of our members, or we run the risk of having no members! We must also act as careful stewards of the MinSoc's finances to enable those services to be provided long into the future.

Our special interest groups (SIGs), in particular, do a fantastic job of providing a succession of inexpensive and accessible meetings in their fields (as well as granting awards, student bursaries, presenter prizes and much more). But the MinSoc has an identity as a community beyond those of the SIGs, and I hope that we can build on this identity in the next few years. It is nice to go to meetings with other specialists with similar interests, but we can also learn a lot from those who work in somewhat different fields if they have to tackle the same underlying problems that we do. I hope that, in future, we can organise some one- or two-day interdisciplinary meetings involving multiple special interest groups and focus on a shared theme. Members who think this a good idea and have suggestions for appropriate topics, please get in touch. We also need to begin to plan for our 150th anniversary. I googled the word for "150th anniversary" during a recent meeting of the MinSoc Council: expect to hear "sesquicentenary" many times over the coming months!

The only reason I am able to begin to tackle such strategic issues is that my predecessor, Hilary Downes, had done such a fantastic job over the past three years. Working with our treasurer, John Adams, and the office team of Kevin Murphy and Russell Rajendra, Hilary succeeded in stabilizing the society's income and in controlling costs. As a result, I have the chance to look forward strategically. No wonder her parting advice to me was, "Don't wreck it"!

Prof. Bruce Yardley

CRITICAL METALS – A MEETING OF THE APPLIED MINERALOGY GROUP

30 April-2 May 2019, Royal College of Surgeons, Edinburgh (UK)

Critical metals have been a topic of intense research, interest and investment in recent years. Metals such as the rare earth elements, cobalt, lithium and graphite, to name but a few. are the back-bone of the decarbonisation movement as we transition to a metal-intense, low-carbon economy.

This conference seeks to bring together leading scientists, industrialists and those interested in ethical sourcing of critical metals



to discuss the geological, industrial, environmental and socio-economic developments in the challenges that the decarbonisation of energy and transport presents.

Themes will include:

- Geology and resources of critical metals
- Raw materials for the decarbonisation of energy and transport
- Life-cycle analysis
- Ethical sourcing of critical metals

The convenors are Eimear Deady, Jindrich Kynicky, Aoife Brady, Alicja Lacinska and Kevin Murphy.

Pre-Conference fieldtrip



of the BGS When: Monday the 29th of April Time: 9:00-16:00 Cost: £35 (includes lunch)

Post-Conference Geowalk



Arthur's Seat Geowalk A geological walk in Holyrood Park led by Dr Romesh Palamakumbura of the BGS

When: Friday the 2nd of May Time: 9:30-12:00 Cost: Free

Further details available at www.minersoc.org/3rd-international-critical-metals-conference.html. A link to online registration is live at that site.

MINERALS IN A SUSTAINABLE FUTURE

"Minerals in a Sustainable Future" is the title of a joint meeting to be held 13 June 2019 at the British Geological Survey and to be hosted by the Applied Mineralogy Group and the Environmental Mineralogy Group's Annual Research in Progress Meeting.

We are inviting posters and oral presentations in any branch of

applied and environmental mineralogy and biogeochemistry, including sustainable mining; resource recovery from waste (mine tailings and industrial wastes); low energy ore (bio-) processing; environmental issues related to mineral extraction; and land remediation.

We have two superb keynote speakers: Mr Andrew Bloodworth (British Geological Survey's Science Director for Minerals and Waste) and Dr Ronan Courtney (University of Limerick, Ireland). The meeting will also include the demonstration of a chosen imaging or analytical electron microscopy-based technique and/or a guided geological walk.

Registration opens in April 2019. Participant cost is a very reasonable £10.



Dr Anouk Borst

Dr Kathryn Goodenough British Geological Survey





Prof. Paul Nex University of Witwatersrand

METAMORPHIC STUDIES GROUP

You are invited to the Research in Progress Meeting to be held 5 March 2019 at the University of Portsmouth (UK).

GEOCHEMISTRY GROUP

#GGRiP2019

The 2019 Geochemistry Group's Research in Progress Meeting will be held 15–17 April at the University of Portsmouth (UK).



This is the only annual meeting held in the UK that has geochemistry as its sole theme, and it provides an opportunity for PhD students and

early career researchers to present and discuss their research in a relaxed atmosphere. Submissions are welcomed from all fields, including aquatic, atmospheric, cosmo-, igneous, isotope, metamorphic and ocean geochemistry.

See our websites for further information and details of how to register: www.geochemistry.group; www.minersoc.org/geochem.html; www.geolsoc.org.uk/geochemistry.

SOCIETY AWARDS: REMINDER



Please remember to nominate somebody for a Mineralogical Society medal. The society offers the Schlumberger Award, the Collins Medal and the Max Hey Medal, as well as the Best Paper Award in honour of R. A. Howie. The closing date for receipt of nominations is 19 April 2019. Details at www.minersoc.org/awards.html. Don't put it off ... nominate a colleague today!

Kevin Murphy, Executive Director

SOCIETY MEDAL WINNERS



Dr Oliver Lord Max Hey Medallist 2018



Dave Craw Collins Medallist 2018



Jon Lloyd Mineralogical Society Schlumberger Awardee 2018

Maggie Cusack (LEFT, with MinSoc President, Hilary Downes), Mineralogical Society Schlumberger Awardee 2017

EMU NOTES IN MINERALOGY

Volume 19 in the European Mineralogical Union-Mineralogical Society Notes in Mineralogy Series: Mineralogical Crystallography is available from the Mineralogical Society of Great Britain & Ireland and from the Mineralogical Society of America.



At the dawn of structural crystallography, Walther Friedrich, Paul Knipping, and Max von Laue carried out the first experiments and developed the theory of X-ray diffraction. From the early days, when even the simpler inorganic structures filled an entire PhD study, structural crystallography evolved at its own pace and found new partners in chemistry, physics, materials science, biology and other fields of physical sciences. Both morphological and structural crystallography, however, have remained as important instruments in the mineralogist's toolbox until today. Efforts to enhance the existing instrumentation, to improve our understanding of the theory of diffraction, to study nanoparticulate or poorly ordered materials, and to master large, complex structures continue in all fields of physical sciences. Mineralogy can thus use the fruits of this labour and include them in its toolbox.

THANK YOU TO OUR EDITORS!

Thank you to the editorial teams of both our journals, *Mineralogical Magazine* and *Clay Minerals*. They are the people who make the journals happen. These unsung heroes are named below.

Mineralogical Magazine

Principal Editors: Prof. Roger Mitchell and Dr Stuart Mills

Structures Editor: Prof. Peter Leverett Review Articles Editor: Hilary Downes Production Editor: Helen Kerbey Associate Editors

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Clay Minerals Principal Editor: Prof. George Christidis Associate Editors

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CLAY MINERALS

MINERALOGICAL



Asuman Türkmenoğlu Laurence N. Warr Chun-Hui (Clayton) Zhou

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