

Mineralogical Society of the UK and Ireland

www.minersoc.org

MINERALOGICAL SOCIETY AT 150: PAST DISCOVERIES AND FUTURE FRONTIERS

In the next issue of *Elements*, we will include a short report about our 150th Anniversary meeting in Manchester with photos of friends who joined us in our celebration.



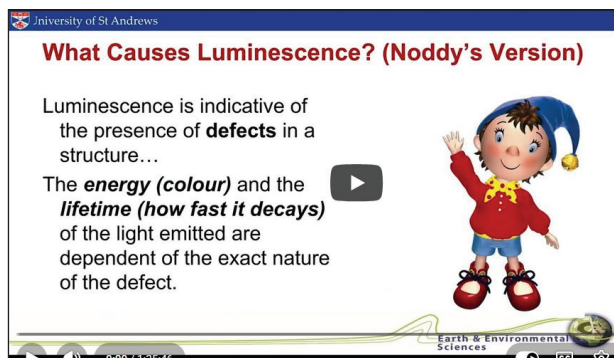
SOCIETY YOUTUBE CHANNEL

The Society has been building its library of educational content on its YouTube channel since launch in 2020. At the time of writing, we have more than 1150 subscribers and 186 videos (mostly lectures or talks in webinars), with more than 50,000 views between them.

Our content is divided into a number of playlists:

- Metamorphic Studies Group Research in Progress 2020
- Geomicrobiology Network Seminar Series
- Bernie Wood; Thermodynamics Lectures
- Environmental Mineralogy Group - Outreach
- Metamorphic Studies Group Research in Progress 2023
- Geochemistry Group Research in Progress 2021
- Mars Sample Chronology
- Applied Mineralogy Group
- Skills and Training
- Distinguished Lecturer
- New Topics in Mineralogy 2:
The mineral-microbe interface through time and space
- Clay Minerals Group - interviews
- European Mineralogical Conference 2024
- International Clay Conference 2025, Dublin, Ireland
- EMU Medallist Lectures
- Clay Minerals Group-Environmental Mineralogy Group
- Writing Science Communication Workshop

This is an enormous wealth of content, freely available to all. Have you tried it out yet? Do it now!



This image above is from a talk by Prof. Adrian Finch of the University of St. Andrews in the UK.

There are several ways to access our YouTube content:

1. Go to www.minersoc.org and scroll down to our "Online Resources" tiles.
2. Alternatively, go straight to our channel:
<https://www.youtube.com/channel/UCJLEvvFJEAtt2SRHozqd7LQ>

Online resources



A recent addition, related specifically to the 'Skills and Training' (S&T) area of our channel is a new assessment form, which we encourage delegates at our S&T events to use to comment on the events that they have attended or viewed in reprise. You can complete the form here <https://forms.gle/f1XnYMgcHcmmtqkp9> or find it at the relevant page on our website: www.minersoc.org/skills-and-training.html.

STUDENT AWARD WINNERS 2025

Last year's student award winners (one per department in the UK and Ireland for the best student in the second or third year—details here: <https://www.minersoc.org/student-awards.html>).

Oxford University	Jakob	Kneale
University of Liverpool	Grace	Hirst
University of East Anglia	Seb	Jaffe
University of Portsmouth	Morgan	Bowen
University of Plymouth	Benjamin	Kidane
University of Leicester	Jacob	Prior
University of Manchester	Shaw	Chiba
Imperial College	Nicole	Pemberton
University College London	Paul	Emmett
Newcastle University	Isabel	Penlington
Cardiff University	Anabel	Foster
University of Galway	Angelina	Bernardi
Trinity College Dublin	Corey	O'Conghaile
University of Southampton	Katherine	White
University of Birmingham	Isobelle	Williams
Durham University	Isabel	Marshall
University of St. Andrews	Lucy	Atkinson
University of Hull	Dan	Gowland
Keele University	Charles	Levitt
Aberystwyth	Maisy	Corlett
University College Dublin	Theertha	Rajesh
University of Cambridge	Catriona	McCleery
University of Edinburgh	Sachin	Mhasha
University of Exeter	Anna	Hilder
University of Aberdeen	Lewis	Galt
Bristol University	Gregory	Pahl
University of Glasgow	Craig	Kyle
Birkbeck College	Jeremy	Howell
University College Cork	Lauryn	O'Leary
University of Leeds	Abdulbari	Binafif
Royal Holloway University of London	Anthony	Broomfield
Edge Hill University	Harley Thomas	Vickers
Open University	Ed	Hickman

NEW CONTENT IN MINERALOGICAL MAGAZINE

IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) – Newsletter 91 Ferdinando Bosi, Frédéric Hatert, Marco Pasero, Stuart J. Mills

Crystal chemistry of alvanite, $\text{ZnAl}_4(\text{OH})_{12}(\text{V}^{5+}\text{O}_3)_2 \cdot 2\text{H}_2\text{O}$, and ankinovitchite, $\text{NiAl}_4(\text{OH})_{12}(\text{V}^{5+}\text{O}_3)_2 \cdot 2\text{H}_2\text{O}$ – two natural layered double hydroxides with metavanadate anionic chains Elena S. Zhitova, Andrey A. Zolotarev, Elizaveta A. Pankrushina, Rezeda M. Sheveleva, Vladimir N. Bocharov, Natalia S. Vlasenko, Leonid A. Pautov, Vladimir Yu. Karpenko, Igor V. Pekov

Colchesterite, $\text{Bi}^{3+}_2\text{O}[\text{Mo}^{6+}_2\text{O}_8]$, a new Bi molybdate mineral from the Kingsgate mines, New South Wales, Australia Peter Elliott, Anthony R. Kampf

Mineral Cup: from tearoom banter to global competition Owen P. Missen, Mika McKinnon, Maria Gorick, Justin A. Bank, Kerstin Neuhaus, Eddie Dempsey

Recovering history: the process of determining type specimens of montanite Michael S. Rumsey, Owen P. Missen, Stuart J. Mills

The structural effects of heating-induced Mn oxidation in Mn-rich fluor-elbaite from Zambia Peter Bačík, Petra Kardošová, Beatrice Celata, Jana Fridrichová, Ján Štubňa, Olena Rybníková, Radek Škoda Kopernikite, $\text{K}(\text{Ti}_7\text{Cr}^{3+})\text{O}_{16}$ – a new priderite-group mineral from the Morasko IAB-MG iron meteorite, Poland: 150 years of the Mineralogical Society: Past Discoveries and Future Frontiers Evgeny V. Galuskin, Andrzej Muszyński, Joachim Kusz, Maria Książek, Irina Galuskina, Grzegorz Zieliński

NEW CONTENT IN CLAY MINERALS

From nanostructured palygorskite to advanced functional materials in China Yushen Lu, Bin Mu, Yongfeng Zhu, Fangfang Yang, Aiqin Wang

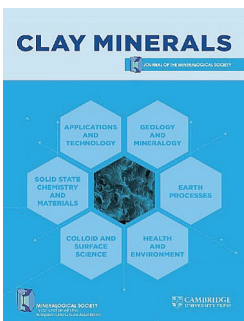
Potential use of clays from Zemlet El Beidha (southern Tunisia) as aluminosilicate precursors for geopolymer synthesis Zainab Jrad, Francesco Genua, Isabella Lancellotti, Cristina Leonelli, Salah Mahmoudi

Alkaline fusion–hydrothermal synthesis of Losod zeolite from industrial waste for CO_2 capture Rosendo J. Galán-Arboledas, Francisco Javier Iglesias-Godino, Jacinto Alonso-Azcárate, Carmen Martínez-García

Identifying clay minerals and accessory phases by oxide composition using MinMatch Laurence Noel Warr, Balu R. Thombare, Ritwick Sudheer Kumar, Georg H. Grathoff

Rare earth elements in phyllosilicates Javier Cuadros, Georgios E. Christidis

Montmorillonite-derived porous $\text{TiO}_2/\text{SiO}_2$ -supported Pt catalysts for efficient toluene oxidation: synergistic effects and electronic interactions Sisi Hu, Xiangwei Zhang, Jielong Cao, Qingze Chen, Runliang Zhu



Hyperspectral remote sensing characteristics of clay minerals in the Yishu fault zone and their implications for geothermal resource explorations Shanming Wei, Xiaobo Tan, Xuefei Zheng, Tongqian Jia, Changsuo Li, Chenkai Zhang, Bing Wang, Shouhua Song, Xubo Man, Rui Liu

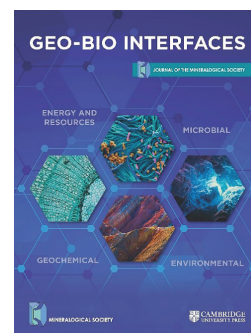
The dispersion stability of bentonite in water-in-oil emulsions Chao Li, Tie Geng, Zhen Wen, Jingrui Wei, Xinliang Li, Ming Duan, Shuai Liu

NEW CONTENT IN GEO-BIO INTERFACES

Microbial community composition and function in groundwater systems of the Deccan Traps Avishek Dutta, Sourav Mukhopadhyay, Debarshi Mukherjee, Rajendra Prasad Sahu, Srimanti Duttagupta, Abhishek Gupta, Himadri Bose, Abhijit Mukherjee, Pinaki Sar

Metagenomics elucidates how biogenic methanogenesis may increase in CO_2 -injected petroleum wells Ibrahim F. Farag, Glenn D. Christman, Zarath M. Summers, Jennifer F. Biddle

Metagenomics of the Iberian Margin: IODP Site U1385 Joseph A. Russell, Glenn D. Christman, Ibrahim F. Farag, Jennifer F. Biddle



MSG RIP REPORT, 2026

The annual MSG 'Research in Progress' (RiP) meeting was held at the Ex Manifattura Tabacchi in Cagliari, organized by the University of Cagliari, Italy, on the 9th to 10th of April. The meeting comprised a two-day conference followed by a three-day fieldtrip around some excellent geosites in northern Sardinia. The meeting was held as a hybrid event, with 75 participants attending in person, and eight people joining online.

Twenty-seven talks were given across both conference days, covering a range of topics spanning from fluid–rock and melt–rock interactions in metamorphic systems to the presentation of complex new approaches to thermobarometry using a variety of statistical techniques. Poster sessions were held in the afternoons of both days and included many contributions from graduate and undergraduate students. The AGM was also held on the second day of the event.

The invited speaker Prof. Kristoffer Szilas gave an excellent talk on the geology of Greenland, which linked metamorphism, magmatism, tectonics, and life all together, and discussed several highly contentious localities in the country. The meeting culminated with the presentation of the 2026 Barrow Award to Prof. Chris Yakymchuk (University of Waterloo, Canada), who gave a very engaging presentation on his past, present, and future work outlining the importance of understanding trace element behaviour in metamorphic and magmatic systems for petrological and tectonic interpretations. We were delighted that both speakers were able to attend the event in person.

Several awards were given out at the meeting: **Alessandro Petroccia** (University of Bologna, Italy) won the award for best student talk and **Noralinde de Leijer** (University of Bern, Switzerland) won the award for best student poster. Five students were awarded travel bursaries to support attendance at the meeting. We thank everybody who made the effort to attend in person and present their work.

Special thanks are given to Silvio Ferrero (University of Cagliari) and his team for organising the meeting and running the field trip, Zeiss, Horiba, JEOL, and Petrolab for sponsoring the event, and to Zeiss again for providing the student presentation prize.