



Mineralogical Society of Great Britain and Ireland

www.minersoc.org

REFLECTION FROM THE SOCIETY'S GENERAL SECRETARY



Jana Horák,
General Secretary

We live in unconventional times. Not only have our lives changed to accommodate COVID-19, but there is also a powerful movement demanding that we reflect on troubling historical aspects of our national heritage, in particular the links between our subject and colonialism. Museums and universities are looking afresh at their collections, including mineral collections. What does 'ownership' mean, and what does that say about colonialism and the ethics under which specimens were acquired? The science may stay the same, but

the context has changed. Whilst we cannot rewrite the past, we can represent it more fully and from more than one perspective. This is a valid process. But more important are the actions of society today and the impact we have now. One of the MinSoc's special interest groups, the Volcanic and Magmatic Studies Group, has devised three webinars to inform discussion that will underpin the co-creation of positive actions to address racial inequality in scientific research. The first of these is available at <https://youtu.be/tjulJcVndqY>: it is fascinating and engaging. Other presentations will include examples of poor attitudes taken by early researchers in the Caribbean and Latin America toward the indigenous peoples (Dr Jasmin Scarlett and Dr Lisa Seville); examples of historic practice in the overseas work of the British Geological Survey, in contrast to modern-day inclusive practices (Dr Kathryn Goodenough); questioning how we build equal partnerships (Dr Mattieu Kervyn); documenting the evolution from token involvement to meaningful collaborative research partnerships with nationals (Prof. Richie Robertson). (The second webinar is available at youtu.be/ODBXW9dM0gM.) All these webinar themes will question responsible practice and will be more widely applicable than to scientific research only.

METAMORPHIC STUDIES GROUP MEETING






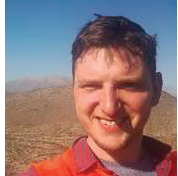
Video recordings of several oral presentations delivered during this year's virtual Metamorphic Studies Group Research in Progress meeting are now available from the Mineralogical Society's (MinSoc's) website:

- Introduction by Chair of the Metamorphic Studies Group, Catherine Mottram
- Presentation of the Barrow Award to Clare Warren
- "Dating Metamorphism and Other Stories: Travels through *PTT* Space", Clare Warren
- "Pre-Orogenic Upper Crustal Softening by Lower Greenschist Facies Metamorphic Reactions in Crystalline Basement Units (Example of Central Pyrenees)", Laura Airaghi, Nicolas Bellahsen, Benoît Dubacq, David Chew, Claudio Rosenberg, Emilie Janots, Maxime Waldner and Valérie Magnin
- "Metamorphism on the Moon Recorded by the Granulite Suite", J.F. Pernet-Fisher and K.H. Joy
- "Quantitative Automated Mineralogy to Constrain Metamorphic Processes using ZEISS Mineralogic", Richard J.M. Taylor
- "Reaction Affinity Patterns in Rocks with Porphyroblasts", C.T. (Tom) Foster Jr

- "LA-ICP-MS Mapping of Granulite-Facies Monazite: Textural insights and Implications for Petrochronology", Owen Weller, Simon Jackson, William Miller, Marc St-Onge and Nicole Rayner
- "Microtectonic Analysis of the Teziutlan Metamorphic Complex, Puebla State, Mexico: Mylonitic Deformation in the Late Paleozoic", Luis Javier Gutiérrez-Trejo, Mario A. Ramos-Arias and Edgar Ángeles-Moreno
- "Not All Kyanite is Created Equal – The Petrogenesis of Kyanite Migmatites in Eastern Bhutan", S.E. Phillips, T.W. Argles, N.B.W. Harris, C.J. Warren, N.M.W. Roberts, B. Kunz

NEW MEMBERS OF THE MINSOC COUNCIL FOR 2021

The following, all based on the UK, will join as members of council, starting in 2021:

	Nia Gray-Wannell (Hutton Institute, Aberdeen)		Richard Taylor (Zeiss Microscopy)
	Mike Rumsey (Natural History Museum, London)		Public Relations Officer: James Byrne (University of Bristol)

Welcome all, and thank you for your service to the society.

RECENT CONTENT IN CLAY MINERALS (MARCH 2020)

(go to <https://www.cambridge.org/core/journals/clay-minerals/latest-issue>)

"Clay minerals in drilling fluids: functions and challenges", Jun Rui Zhang, Meng Dan Xu, Georgios E. Christidis, Chun Hui Zhou

"Smectitic clays enriched with ferric ions for the rapid removal of anionic dyes in aqueous media", Itamar A. Rodrigues, Juan C. Villalba, Maria J. Santos, Fábio L. Melquiades, Fauze J. Anaissi

"Regeneration of spent bleaching clay by ultrasonic irradiation and its application in methylene blue adsorption", Xiaoyu Liang, Chao Yang, Xintai Su, Xiaogang Xue

"Hydrotalcites with heterogeneous anion distributions: a first approach to producing new materials to be used as vehicles for the successive delivery of compounds", Franchescoli D. Velázquez-Herrera, Geolar Fetter

"The influence of binders for the pelletization of fly ash zeolites on sulfur dioxide sorption properties", Natalia Czuma, Rafał Panek, Paweł Baran, Katarzyna Zarębska

"Use of palygorskite as a viscosity enhancer in salted water-based muds: effect of concentration of palygorskite and salt", Vanessa Cristina Santanna, Samara Leandro Silva, Rhaul Phillypi Silva, Tereza Neuma Castro Dantas



“A novel method for solving the impact of clay on concrete workability: dimensional design and mechanism analysis”, Xiao Liu, Qian Xu, Xiaoyu Ma, Yunsheng Zheng, Lei Lu, Xiabing Bai

“Refinement of waste phosphogypsum from Prahovo, Serbia: characterization and assessment of application in civil engineering”, Josip I. Išek, Lazar M. Kaluđerović, Nikola S. Vuković, Maja Milošević, Ivana Vukašinić, Zorica P. Tomić,

“Mineralogical and hydraulic characteristics of mudstone in the Tamusu candidate area in northwest China for high-level radioactive waste geological disposal”, Long Xiang, Xiaodong Liu, Pinghui Liu, Xingfu Jiang, Chaocheng Dai

“Polygenic chamosite from a hydrothermalized oolitic ironstone (Saint-Aubin-des-Châteaux, Armorican Massif, France): crystal chemistry, visible–near-infrared spectroscopy (red variety) and geochemical significance”, Yves Moëlo, Emmanuel Fritsch, Eric Gloaguen, Olivier Rouer

“Thermal degradation kinetics of sepiolite”, Yüksel Sarıkaya, Müşerref Önal, Abdullah Devrim Pekdemir

RECENT CONTENT IN MINERALOGICAL MAGAZINE (JUNE 2020)

“Processes of metastable-mineral formation in oxidation zones and mine waste”, Juraj Majzlan

“Nomenclature of the magnetoplumbite group”, Dan Holtstam, Ulf Hålenius

“Langhofite, $Pb_2(OH)[WO_4(OH)]$, a new mineral from Långban, Sweden”, Dan Holtstam, Fernando Cámara, Andreas Karlsson

“Biagioniite, Tl_2SbS_2 , from the Hemlo gold deposit, Marathon, Ontario, Canada: occurrence and crystal structure”, Luca Bindi, Yves Moëlo

“Texture and composition of magnetite in the Duotoushan deposit, NW China: implications for ore genesis of Fe–Cu deposits”, Xia Hu, Huayong Chen, Xiaowen Huang, Weifeng Zhang

“The walentaite group and the description of a new member, alcantarillaite, from the Alcantarilla mine, Belalcázar, Córdoba, Andalusia, Spain”, Ian E. Grey, Rupert Hochleitner, Christian Rewitzer, Alan Riboldi-Tunncliffe, Anthony R. Kampf, Colin M. MacRae, W. Gus Mumme, Melanie Kaliwoda, Henrik Friis, Carlos U. Martin

“In situ remediation of arsenic-rich mine tailings using slag zero valence iron”, Tingting Yue, Shu Chen, Jing Liu

“Pseudomeisserite- (NH_4) , a new mineral with a novel uranyl-sulfate linkage from the Blue Lizard mine, San Juan County, Utah, USA”, Anthony R. Kampf, Travis A. Olds, Jakub Plášil, Barbara P. Nash, Joe Marty

“Oxybismutomicrolite, a new pyrochlore-supergroup mineral from the Malkhan pegmatite field, Central Transbaikalia, Russia”, Anatoly V. Kasatkin, Sergey N. Britvin, Igor S. Peretyazhko, Nikita V. Chukanov, Radek Škoda, Atali A. Agakhanov

“Falgarite, $K_4(VO)_3(SO_4)_5$, a new mineral from sublimates of a natural underground coal fire at the tract of Kukhi-Malik, Fan-Yagnob coal deposit, Tajikistan”, Leonid A. Pautov, Mirak A. Mirakov, Oleg I. Siidra, Abdulkhak R. Faiziev, Evgeny V. Nazarchuk, Vladimir Yu. Karpenko, Saimudasir Makhmadsharif

“Progress in the knowledge of ‘ruby silvers’: New structural and chemical data of pyrostilpnite, Ag_3SbS_3 ”, Cristian Biagioni, Federica Zaccarini, Philippe Roth, Luca Bindi

“Bowlesite, $PtSnS$, a new platinum group mineral (PGM) from the Merensky Reef of the Bushveld Complex, South Africa”, Anna Vymazalová, Federica Zaccarini, Giorgio Garuti, František Laufek, Daniela Mauro, Chris J. Stanley, Cristian Biagioni

“Cuyaite, $Ca_2Mn^{3+}As^{3+}_{14}O_{24}Cl$, a new mineral with an arsenite framework from near Cuya, Camarones Valley, Chile”, Anthony R. Kampf, Stuart J. Mills, Barbara Nash, Maurizio Dini, Arturo A. Molina Donoso

“IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) Newsletter 55”, Ritsuro Miyawaki, Frédéric Hatert, Marco Pasero, Stuart J. Mills

BOOK REVIEW

Mont Saint-Hilaire: History, Geology, Mineralogy by L. Horvath, R. A. Gault, E. Pfenninger-Horvath and G. Poirier

BREAKING NEWS NEW TOPICS IN MINERALOGY 1

Diffusion in Minerals, Rocks and Melts: Potential and Pitfalls

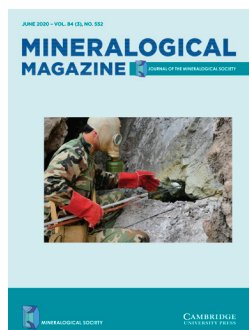
NEW DATE(S): Afternoons (BST) of 26–27 November 2020

ONLINE VIA ZOOM: Registration needed, Free of Charge

ORGANIZER: B.W.D. Yardley, President, Mineralogical Society of Great Britain & Ireland

This meeting, intended to be the first of a new series, will review recent work in diffusion modelling and its application to a range of geological problems. How good (or not) can models be? What are the limits of what can be stated from our models? What are the pitfalls? It is intended to appeal to those interested in applying diffusion modelling to problems of rates, timing and thermal history in a wide range of mineralogical contexts.

The meeting will be led by a series of invited speakers who will address the fundamentals of diffusion theory and its application to modelling geological processes, and provide examples of state-of-the-art research on diffusions in various contexts. Details at <https://www.minersoc.org/diffusion.html>



OBITUARIES

PETER R. SIMPSON

Michael Forrest, John F. W. Bowles

OLE VALDEMAR PETERSEN

Ole Johnsen, Robert A. Gault, Joel D. Grice, William D. Birch