



Mineralogical Society of Great Britain and Ireland

www.minersoc.org

DISTINGUISHED LECTURERS

The Mineralogical Society of Great Britain and Ireland's Distinguished Lecturers for 2019–2020 will be:

Caroline Peacock (University of Leeds, UK)

- Talk A: "Mineralogical Controls on Earth's Climate"
- Talk B: "Mud, Mud, Glorious Mud: How Marine Sediments Help Control the Earth System"



and Sami Mikhail (St. Andrews University, UK)

- Talk A: "Diamonds Illuminate the Nature of Earth's Deep and Dynamic Carbon Cycle"
- Talk B: "Is Earth's Atmosphere Growing or Shrinking?"



See the society's website (<https://www.minersoc.org/distinguished-lectures.html>) for details of dates and venues for these talks.

METAMORPHIC STUDIES GROUP LAUNCHES THE NEW BARROW AWARD

A new award named after George Barrow (1853–1932), a geologist with the Geological Survey of Great Britain and the first to assign index minerals to zones of progressive metamorphism (now-termed Barrow Zones), has been launched by the Metamorphic Studies Group (MSG).

"The Barrow Award will be awarded annually to a scientist who has made an outstanding contribution to metamorphic studies. Publications, teaching, outreach and other activities leading to the promotion of metamorphic geology, in the broadest sense, will be taken into account in making the award. Nominees do not have to be members of the Mineralogical Society, Fellows of the Geological Society of London or nationals of Great Britain and Ireland. The award is open

to a scientist at any stage of their career (early, mid or late)."

Nominations should include a statement on the merits of the candidate, a summary curriculum vitae (CV) and a list of the nominee's more important contributions. Letters of support may be submitted from up to two additional people.

Nominations will remain on the table for three years. Previous recipients of the award, and members of the MSG Committee (at the time of nomination and adjudication) will not be eligible for the award.

Nominations for the 2020 medal should be sent to the Chair of the Metamorphic Studies Group committee, to arrive not later than 1 December 2019. Submissions should be compiled as a single package in pdf format, to include the nomination statement, CV of the candidate and the optional additional letters of support. The nomination package should be attached to an e-mail with a title which identifies the name of the award and the name of the nominee. The e-mail address to use is metamorphicstudiesgroup@gmail.com.



The nominations will be considered and recommendations for the award made by the MSG Committee, unless there is conflict of interest in which case other suitable persons will adjudicate.

MINERAL DEPOSITS STUDIES GROUP 2020

The next Mineral Deposits Studies Group (MDSG) meeting will be held from 6–8 January 2020 at the Natural History Museum London (UK). Further details to follow on the MDSG website: www.mdsg.org.uk.

MEMBERSHIP REMINDER

We encourage all you academics to encourage your students to join the MinSoc, starting now! The first year of student membership is free of charge: they just need to sign up (www.minersoc.org/join-now.html).

SIR ARTHUR RUSSELL BIOGRAPHY



One of our members, Roy Starkey, is working on a biography of the famous British mineralogist Sir Arthur Russell (1878–1964), a prominent member and former president of the MinSoc.

For some background information about Sir Arthur, please see Roy's online article available here <http://russellsoc.org/wp-content/uploads/2016/07/An-Appreciation-of-Sir-Arthur-Russell-on-the-occasion-of-the-Fiftieth-Anniversary-of-his-death-24th-February-1964.pdf>.

As part of his research Roy has asked if there are readers of *Elements* who may have attended Mineralogical Society meetings or events prior to 1964, when Sir Arthur was alive.

Roy is keen to hear from anyone who may have memories or any information to contribute, and especially any photographs of Sir Arthur at mineralogical events, or perhaps of one of the society visits to view his wonderful collection at his home, Swallowfield Park.

Please contact Roy directly if you have anything which may be of interest: Roy's e-mail is Roy.starkey@gmail.com.

SOCIETY BURSARIES 2019

Student Bursaries (round 2 for 2019) have been awarded to J.O. Edgar (Newcastle University, UK) and C. Pesce (Northumbria University, UK)

To apply for 2020, please note the updated deadlines and periods for which those deadlines apply (<https://www.minersoc.org/postgraduate-bursaries.html>).

Reports will appear on the society's website in due course (<https://www.minersoc.org/bursary-report.html>).

IMPACT FACTORS 2019

The MinSoc's journals both fared very well in this year's impact factor announcements. *Mineralogical Magazine* improved to 2.21; that of *Clay Minerals* to 1.78. The editorial teams for both journals and our colleagues at Cambridge University Press continue to work hard to maintain and improve these levels.



Recent Content in *Mineralogical Magazine* [June 2019, v83(3)]

- "The 51st Hallimond Lecture: Time's Arrow, Time's Cycle: Granulite Metamorphism and Geodynamics". By Michael Brown, Tim Johnson
- "Constraints on the Equations of State of Stiff Anisotropic Minerals: Rutile, and the Implications for Rutile Elastic Barometry". By Gabriele Zaffiro, Ross J. Angel, Matteo Alvaro
- "Magnesioleydetite and Straßmannite, Two New Uranyl Sulfate Minerals with Sheet Structures from Red Canyon, Utah". By Anthony R. Kampf, Jakub Plášil, Anatoly V. Kasatkin, Barbara P. Nash, Joe Marty
- "Gem Amphiboles from Mogok, Myanmar: Crystal-Structure Refinement, Infrared Spectroscopy and Short-Range Order–Disorder in Gem Pargasite and Fluoro-Pargasite". By Maxwell C. Day, Frank C. Hawthorne, Umberto Susta, Giancarlo Della Ventura, George E. Harlow
- "Rinkite-(Y), Na₂Ca₄YTi(Si₂O₇)₂OF₃, a Seidozerite-Supergroup TS-Block Mineral from the Darai-Pioz Alkaline Massif, Tien-Shan Mountains, Tajikistan: Description and Crystal Structure". By Leonid A. Pautov, Atali A. Agakhanov, Vladimir Yu. Karpenko, Yulia A. Uvarova, Elena Sokolova, Frank C. Hawthorne
- "Subaerial Sulfate Mineral Formation Related to Acid Aerosols at the Zhenzhu Spring, Tengchong, China". By Lianchao Luo, Huaguo Wen, Rongcai Zheng, Ran Liu, Yi Li, Xiaotong Luo, Yaxian You
- "Pampaloite, AuSbTe, a New Mineral from Pampalo Gold Mine, Finland". By Anna Vymazalová, Kari Kojonen, František Laufek, Bo Johanson, Chris J. Stanley, Jakub Plášil, Patricie Halodová
- "Mineralogy of the Baotite-Bearing Gundrapalli Lamproite, Nalgonda District, Telangana, India". By Gurmeet Kaur, Roger H. Mitchell
- "Ferri-fluoro-katophorite from Bear Lake Diggings, Bancroft Area, Ontario, Canada: A New Species of Amphibole, Ideally Na(NaCa)(Mg₄Fe³⁺)(Si₇Al)O₂₂F₂". By Roberta Oberti, Massimo Boiocchi, Frank C. Hawthorne, Neil A. Ball, Robert F. Martin
- "Discovery of Se-rich Canfieldite, Ag₈Sn(S,Se)₆, from the Shuangjianzishan Ag–Pb–Zn Deposit, NE China: A Multimethodic Chemical and Structural Study". By Degao Zhai, Luca Bindi, Panagiotis C. Voudouris, Jiajun Liu, Stylianos F. Tombros, Kuan Li
- "Middlebackite, a New Cu Oxalate Mineral from Iron Monarch, South Australia: Description and Crystal Structure". By Peter Elliott
- "Substitution Mechanisms in In-, Au-, and Cu-Bearing Sphalerites Studied by X-Ray Absorption Spectroscopy of Synthetic Compounds and Natural Minerals". By Olga N. Filimonova, Alexander L. Trigub, Dmitriy E. Tonkacheev, Max S. Nickolsky, Kristina O. Kvashnina, Dmitriy A. Chareev, Ilya V. Chaplygin, Elena V. Kovalchuk, Sara Lafuerza, Boris R. Tagirov
- "New Arsenate Minerals from the Arsenatnaya Fumarole, Tolbachik Volcano, Kamchatka, Russia. IX. Arsenatotitanite, NaTiO(AsO₄)". By Igor V. Pekov, Natalia V. Zubkova, Atali A. Agakhanov, Dmitry I. Belakovskiy, Marina F. Viganina, Vasilii O. Yapaskurt, Evgeny G. Sidorov, Sergey N. Britvin, Dmitry Y. Pushcharovskiy
- "The Crystal Structure of Ni-Rich Gordaite–Thérèsemagnanite from Cap Garonne, France". By Stuart J. Mills, Owen P. Missen, Georges Favreau
- "Potassic-magnesio-arfvedsonite, KNa₂(MgFe²⁺Fe³⁺)₅Si₈O₂₂(OH)₂: Mineral Description and Crystal Chemistry". By Momchil Dyulgerov, Roberta Oberti, Bernard Platevoet, Milen Kadiyski, Ventzislav Rusanov

"Discreditation of the Pyroxenoid Mineral Name 'Marshallussmanite' with a Reinstatement of the Name Schizolite, NaCaMnSi₃O₈(OH)". By Joel D. Grice, Aaron J. Lussier, Henrik Friis, Ralph Rowe, Glenn G. Poirier, Zina Fihl

"NEWSLETTER 49: IMA Commission on New Minerals, Nomenclature and Classification (CNMNC) New Minerals and Nomenclature Modifications Approved in 2019". By Ritsuro Miyawaki, Frédéric Hatert, Marco Pasero, Stuart J. Mills

Recent Content in *Clay Minerals*

"Development of Young's Modulus of Natural Illitic Clay During Heating and Cooling Stage Of Firing." By T. Húlan, I. Štub a, A. Shishkin, J. Ozolins, Š. Csáki, P. Ba ík, J. Fridrichová

"Thermally Expanded Vermiculite as a Risk-Free and General-Purpose Sorbent for Hazardous Chemical Spillages." By N. D. Cuong, V.T. Hue, Y.S. Kim

"Mineralogical and Crystal-Chemical Characterization of the Talc Ore Deposit of Minzanzala, Gabon." By M. Poirier, J. E. Boulingui, F. Martin, M. Mbina Mounquengui, C. Nkoumbou, F. Thomas, M. Cathelineau, J. Yvon

"An Archaeometric Study of Early Copper Age Pottery from a Cave in Romania." By A. Enea-Giurgiu, C. Ionescu, V. Hoeck, T. T ma , C. Roman

"Surface Chemistry, Rheology and Microstructure of As-Received SHCa-1 Hectorite Gels." By P.I. Au, M.Y. Du, J.S. Liu, Md. Bashirul Haq, Y.K. Leong

"Characterization of Portugese Gypsums as Raw Materials for Dermocosmetics." By C. Costa, A. Fortes, F. Rocha, A. Cerqueira, D. Santos, M. H. Amaral.

"Mineralogy and Technological Characterization of Two Kaolin Deposits from the Borborema Pegmatite Province, Northeastern Brazil." By V. M. J. Salgado Campos, L. C. Bertolino, L. C. Silveira Nascimento, J. Y. Pereira Leite, V. S. Brandão, O. Cambraia Alves, J. Tolentino Junior.

"Facile Immobilization of Lipase Based on Pickering Emulsion via a Synergistic Stabilization by Palygorskite-Enzyme." By D. Li, M. Shen, G. Sun, H. Jin, P. Cai, Z-H. Wang, Y. Jin, J. Chen, S. Ding

"Assessment of Clayey Materials from Santa Maria (Azores, Portugal) for Peloids Preparation." By Â. Cerqueira, C. Costa, D. Terroso, C. Sequeira, F.Rocha

"Determination of Phase Composition of Partially Dehydroxylated Kaolinites by Modeling Their XRD Patterns." By V. A. Drits, B. A. Sakharov, O. V. Dorzhieva, B. B. Zviagina & H. Lindgreen

Obituary: Dr Enver Murad

SOCIETY RISK REGISTER

Following deliberation by council, the society has created a risk register. This will be considered/edited/updated at each meeting of council going forward. The document will not be posted on the society website but will be made available to any interested member on enquiry.

SOCIETY CODE OF CONDUCT

The society's new "Code of Conduct for Meetings and Other Events" has been posted on the website at <https://www.minersoc.org/code-of-conduct.html>.