



# Mineralogical Society of Great Britain and Ireland

www.minersoc.org

## MUSINGS FROM LONDON

### *Time to Reflect*

Once upon a time, the summer was when geologists disappeared into the field for weeks on end. As a result, the offices of learned societies were quieter during this period. This is less true nowadays, partly because the work of many Earth scientists, and especially mineralogists, is no longer field based. Nevertheless, summer still does allow one a little more time to reflect and to plan. The Mineralogical Society of Great Britain and Ireland (MinSoc) is busy building a meetings programme for 2017 and 2018 [including support for the forthcoming Melbourne (Australia) meeting of the International Mineralogical Association, which we encourage all mineralogists to attend]. We are also restocking many of the Special Interest Groups with new committees to carry on the good work of those who have served their terms of office. Our financial year is complete at the end of June and our annual accounts and audit will be complete by late summer. The income generated by journal publishing is shrinking (smaller number of library subscribers) and so our plans have to be designed carefully to ensure that we do not overspend. We are fortunate in continuing to have a healthy crop of people willing to step forward to serve the society as volunteers in various ways, including on the council and on other standing committees. It is largely for this reason that we are able to continue to serve the community in the way that we do: meetings, publications, groups, bursaries/grants, awards, distinguished lecturers, etc. So, the summer is a time to ... "Ask what you can do for your Society"!

**Kevin Murphy**  
Executive Director

## NOMINATIONS SOUGHT FOR MINERALOGICAL SOCIETY AWARD FOR BEST PAPER

### *In honour of R.A. Howie*



An award will be made annually to "the lead author of the 'best paper' published (in English) in a mineralogical journal (sensu lato) within three years of award of his/her PhD thesis". The nomination process is outlined below.

The award will take the form of a bursary (£1,000) to attend an international conference (to be agreed with the society) to present a paper which will be entitled the 'R.A. Howie Memorial Lecture'. The money will be paid on

receipt of an official confirmation of registration for the conference.

The 'R.A. Howie Memorial Lecture' Award is named in honour of Prof. R. A. Howie (1923–2012) who was a distinguished professor of mineralogy at Kings College London and Royal Holloway University, London (both in the UK).

### **Nominations**

Nominations can be made by any scientist (including a co-author) but not the nominee him/herself and must be supported by a fellow scientist familiar with the nominee's work.

Nominations should be received, by the Executive Director, by the closing date of 1 September 2016. The Awards Committee will consider the nominations and rank them. This ranking will then be passed to the society's council (by mid-October) for a formal decision at the November meeting of that Committee. Council will then make a decision and inform the winner.

Nominations should consist of a letter of nomination together with at least one letter of support along with a copy of the paper being nominated and a copy of the nominee's CV. The letter(s) should address the criteria outlined below and how any or all of them are met by the paper in question. Each nomination package should be submitted in electronic form (as a single pdf file) and sent to the society's Executive Director, Kevin Murphy (kevin@minersoc.org).

### **Award criteria**

The Awards Committee will take into consideration the following points:

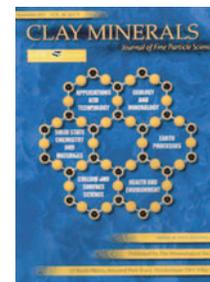
1. Novelty
2. Inter-disciplinarity
3. Applicability
4. How the science is advanced by the new work

### **Timing**

The nominated paper must have been published in the calendar year before the nomination and within three years of award of the candidate's PhD and will remain on the slate for up to two years.

## CONTENTS OF THE MARCH 2016 ISSUE OF CLAY MINERALS

- **CEC determination with Cu-triethylenetetramine: recommendations for improving reproducibility and accuracy.**  
Helge Stanjek and Dennis Künkel
- **Effective removal of anionic and cationic dyes by kaolinite and TiO<sub>2</sub>/kaolinite composites.**  
W. Hajjaji, S. Andrejkovičová, R.C. Pullar, D.M. Tobaldi, A. Lopez-Galindo, F. Rocha & J.A. Labrincha
- **XRD investigation of the intercalation of nacrite with cesium chloride.**  
S. Naamen, N. Jaafar, H. Ben Rhaiem, A. Ben Haj Amara, A. Plançon & F. Muller
- **Organophilization of a Brazilian Mg-Montmorillonite without prior sodium activation.**  
Manoella Silva Cavalcante, Simone Patrícia Aranha Paz, Rômulo Simões Angélica, Edson Noryuki Ito & Roberto Freitas Neves
- **Study of the dehydroxylation of kaolinite and alunite from a Mexican clay with DRIFTS-MS.**  
N.R. Osornio-Rubio, J.A. Torres-Ochoa, M.L. Palma-Tirado & H. Jiménez-Islas, R. Rosas-Cedillo, J.C. Fierro-Gonzalez and G.M. Martínez-González
- **MAS NMR and EPR study of structural changes in talc and montmorillonite induced by grinding.**  
Roger Borges, Lívia Macedo Dutra, Andersson Barison & Fernando Wypych
- **Diffuse reflectance spectra of methylene blue adsorbed on different types of clay samples.**  
M. Milošević, M. Logar, B. Dojčinović, A. Rosić & S. Erić
- **Commercial bentonite from the Kopernica deposit (Tertiary, Slovakia): a petrographic and mineralogical approach.**  
K. Górniak, T. Szydlak, A. Gawel, A. Klimek, A. Tomczyk, B. Sulikowski, Z. Olejniczak, J. Motyka, E.M. Serwicka & K. Bahranowski





### CONTENTS OF MINERALOGICAL MAGAZINE – OPEN ACCESS MAY 2016 ISSUE

- A review of the structural architecture of tellurium oxycompounds. A. G. Christy, S. J. Mills and A. R. Kampf

### CONTENTS OF MINERALOGICAL MAGAZINE – JUNE 2016 ISSUE

- On the compositional variability of dalyite,  $K_2ZrSi_6O_{15}$ : a new occurrence from Terceira, Azores. A. J. Jeffery, R. Gertisser, R. A. Jackson, B. O'Driscoll and A. Kronz
- Reaction aureoles around uraninites within biotite and plagioclase: evidence of low temperature sequential fluid alteration and LREE-mobilization from monazite. Manoj K. Ozha, Biswajit Mishra and Aiveliagaram V. Jeyagopal
- New arsenate minerals from the Arsenatnaya fumarole, Tolbachik volcano, Kamchatka, Russia. V. Katiarsite,  $KTiO(AsO_4)$ . Igor V. Pekov, Vasily O. Yapaskurt, Sergey N. Britvin, Nataliav. Zubkova, Marina F. Vigasina and Evgeny G. Sidorov
- Tavagnascoite,  $Bi_4O_4(SO_4)(OH)_2$ , a new oxy-hydroxy bismuth sulfate related to klebelsbergite. Luca Bindi, Cristian Biagioni, Bruno Martini, Adrio Salvetti, Giovanni Dalla Fontana, Massimo Taronna and Marco E. Ciriotti
- The Stillwater Complex, Montana - Overview and the Significance of Volatiles. Alan E. Boudreau
- Observation of  $Sb_2S_3$ -type post-post-perovskite in  $NaFeF_3$ . Implications for  $ABX_3$  and  $A_2X_3$  systems at ultrahigh pressure. W. A. Crichton, F. L. Bernal, J. Guignard, M. Hanfland and S. Margadonna
- Lead-antimony sulfosalts from Tuscany (Italy). XVII. Meerschautite,  $(Ag,Cu)_{5.5}Pb_{42.4}(Sb,As)_{45.1}S_{112}O_{0.8}$ , a new expanded derivative of owyheeite from the Pollone mine, Valdicastello Carducci: occurrence and crystal structure. Cristian Biagioni, Yves Moëlo, Paolo Orlandi and Chris J. Stanley
- BOOK REVIEW – Pore-Scale Geochemical Processes. Reviews in Mineralogy & Geochemistry, Volume 80
- CNMNC newsletter 31



### THE 2016 HIGH SCHOOL CRYSTALLIZATION CONTEST

During 2016, more than 200 high schools (secondary schools) throughout Spain participated in a crystallization contest; in total, more than 6,000 students took part. The students worked in their school laboratories to grow the best crystals they could for one or several of the four contest categories: crystallization of ammonium dihydrogen phosphate (ADP), crystallization in a geode, crystallization of sodium chloride, and making scientific videos about the crystallization processes that they had developed in their labs.



Participants preparing their crystals at the beginning of the regional contest in Aragón, Spain.

During the contest, after months of work, one could easily see how much knowledge the students had acquired when they showed and explained their experiments in the poster session. The contest, however, goes beyond this goal. Students also experience the importance of being systematic and careful when it comes to laboratory work and analysis, and teachers get to teach new ways to learn about crystals and crystallography. Arguably of most importance is that students, teachers, and parents all see that doing science can be very attractive and great fun.

The idea for the contest was born at the Factory of Crystallization, a Spanish research project headed by Juan Manuel García-Ruiz in the Laboratory of Crystallography (CSIC) in Granada. The first contest took place in Andalusia (Spain) and Puerto Rico during the 2010–2011 academic year. The idea proved successful and quickly spread to other Spanish regions in subsequent years. The Spanish Mineralogical Society is happy to participate as sponsor.

For more details: <http://www.lec.csic.es/concurso/>



A magnificent crystal cluster of ADP grown by students in their school laboratory at IES Salvador Victoria (Monreal del Campo, Teruel, Spain).

**emc**<sup>2016</sup>  
11 - 15 September  
2<sup>nd</sup> European Mineralogical Conference  
rimini, italy

Minerals, rocks and fluids:  
alphabet and words of planet Earth