



# Mineralogical Society of Great Britain and Ireland

[www.minersoc.org](http://www.minersoc.org)

## LONDON CALLING

### Setting Priorities

By the time you read this, the London Olympics will have come and gone. It is a huge honour to be asked to host the Olympic Games. The budget at the time of the bid was in the region of £2 billion, which has since ballooned to ~£9 billion. Television rights, ticket sales, etc. will be used to claw back some of the money, but, as is often the case with major events such as the Olympics, the host is left out of pocket.

In mid-July, the UK Government announced that, from 2014, all publicly funded research is to be made freely available to any reader. In detail, we will move to an 'author-pays open access' model, with £2000 per paper to be paid by the author to the publisher. It is expected that £50 million will be required during the period of transition from the traditional subscription model to the author-pays model, and government has stated that this sum must be found from within the existing education budget. I wonder whether the people who were tasked with setting up and running the Olympics could be brought in to manage the move to 'author-pays' – seems like we might get a better deal. We could call it "Olympic Access".

### There are many unanswered questions:

- What about authors who cannot pay, either because they don't have research funding or because their original research grant did not include money for the particular work being published?
- What about the work of authors from other countries? When and if other administrations follow the UK lead, how will the 'author-pays' versus 'library-pays' gap be managed?
- What about content that is included in international aggregates, e.g. GeoScienceWorld?
- Rightly or wrongly, the profits of publishing behemoths such as Elsevier and Springer have been oft-quoted in the decision to move to this author-pays open access model. If authors continue to publish in the same journals as they do now, will they not still make a profit? And what is wrong with business making a profit?

### And

- The argument about profits completely ignores a very important point: not all publishers are in it for the money. Some, such as the publishers involved in *Elements*, plough their income back into the science.
- Finally, given a sustainable financial model, many publishers will support author-pays open access. It might help to level the playing field between the "big-deal" commercial publishers and small publishers who have increasingly been squeezed out in recent years. If all content is equally available to all readers, citations might become more dependent on the quality of the article and not just on what's available in the library.



**Kevin Murphy**  
Executive Director

## CHARTERED STATUS

Applications for Chartered Status continue to trickle in. Go now to [www.minersoc.org/chartered.html](http://www.minersoc.org/chartered.html) to download the application form and other information. Note that fast-track application is available for those who have been members of the Society for a significant period: "A 'Mature Entry' procedure is important to the Mineralogical Society because...few members are of Chartered or equivalent status but many are senior researchers and practitioners and 'overqualified' compared with the minimum standard required for CSci. The Society is keen to encourage this body of membership to become Chartered Scientists and therefore has sought to devise a rigorous but not too arduous fast track process for Fellows who meet the qualification standard of M level or PhD and have more than 10 years post graduate experience."

The cost is £50 for the initial application and £45 per year thereafter.

## MEETINGS IN 2013

The Society has a number of significant meetings coming up in 2013, meetings which it is running itself or supporting extensively. Visit the links below for more information.

### 2-4 January 2013

#### Applied Mineralogy Group–Mineral Deposits Studies Group Annual Meeting

[www.mdsg.org.uk/maintext.php?ID=4](http://www.mdsg.org.uk/maintext.php?ID=4)

Venue: University of Leicester, UK

Convenors: Dave Holwell, Gawen Jenkin, Dan Smith

### 7-9 January 2013

#### Volcanic and Magmatic Studies Group Annual Meeting

[www.vmsg.org.uk/vmsg-bristol/VMSG\\_2013/VMSG%20Bristol%202013%3A%20Home.html](http://www.vmsg.org.uk/vmsg-bristol/VMSG_2013/VMSG%20Bristol%202013%3A%20Home.html)

Venue: Bristol University, UK

Contacts: Alison Rust, Kate Saunders, Elena Melekhova, Emma Johnston, Jonathan Hanson, Rose Burden

### 26-29 March 2013

#### Volcanic and Magmatic Studies Group

#### Volcanism, Impacts, and Mass Extinctions: Causes and Effects

Register online at [www.minersoc.org/mass-extinctions.html](http://www.minersoc.org/mass-extinctions.html)

Venue: Natural History Museum, London, UK

Contacts: A. Kerr, M. Widdowson, N. MacLeod, G. Keller

### 17-19 June 2013

#### Mineralogical Society Annual Meeting

#### Minerals for Life: Living with Resource Constraints

[www.minersoc.org/minerals-for-life.html](http://www.minersoc.org/minerals-for-life.html)

Venue: University of Edinburgh, UK

Contacts: M. Tyrer, K. Murphy

## ROBERT ANDREW HOWIE OBITUARY, PUBLISHED IN MINERALOGICAL MAGAZINE



Robert A. Howie

Written by a former colleague at Royal Holloway University of London, Dr Nick Walsh, a wonderful obituary for Mineralogical Society stalwart Prof. R. A. Howie has been published in *Mineralogical Magazine*. "Many senior academics (and others) will also have abiding memories of his offers of 'a lift up to Senate House'. A lift in Bob's car was a never-to-be-forgotten 'Alton Towers'-type experience; Bob had learned to fly before he drove a car, and it showed." The obituary is available for all to read at [www.minersoc.org/files/Howie-obituary.pdf](http://www.minersoc.org/files/Howie-obituary.pdf).

## MINERALOGICAL MAGAZINE



The list of contents for the bumper June 2012 issue of the journal is given below. Included is the paper by Brookshaw et al., which is available on an open access basis at <http://tinyurl.com/cgbsbd6>.

**The crystal chemistry of the uranyl carbonate mineral grimselite,  $(K, Na)_3Na[(UO_2)(CO_3)_3](H_2O)$ , from Jáchymov, Czech Republic (pp 443-453)**

PLÁŠIL J, FEJFAROVÁ K, SKÁLA R, ŠKODA R, MEISSER N, HLOUSEK J, ČISAŘOVÁ I, DUŠEK M, VESELOVSKÝ F, ČEJKA J, SEJKORA J, ONDRUS P

**Trabzonite,  $Ca_4[Si_3O_9(OH)]OH$ : crystal structure, revised formula,**

**new occurrence and relation to killalaite (pp 455-472)**

ARMBRUSTER T, LAZIC B, GALUSKINA IO, GALUSKIN EV, GNOS E, MARZEC KM, GAZEEV VM

**Kazanskyite,  $Ba\Box TiNbNa_3Ti(Si_2O_7)_2O_2(OH)_2(H_2O)_4$ , a Group-III Ti-disilicate mineral from the Khibiny alkaline massif, Kola Peninsula, Russia: description and crystal structure (pp 473-492)**

CÁMARA F, SOKOLOVA E, HAWTHORNE FC

**Molybdophyllite: crystal chemistry, crystal structure, OD character and modular relationships with britvinite (pp 493-516)**

KOLITSCH U, MERLINO S, HOLTSTAM D

**The crystal structure determination and redefinition of matulaite,  $Fe^{3+}Al_7(PO_4)_4(PO_3OH)_2(OH)_8(H_2O)_8 \cdot 8H_2O$  (pp 517-534)**

KAMPF AR, MILLS SJ, RUMSEY MS, SPRATT J, FAVREAU G

**Chevkinite-group minerals from Russia and Mongolia: new compositional data from metasomatites and ore deposits (pp 535-549)**

MACDONALD R, BAGIŃSKI B, KARTASHOV P, ZOZULYA D, DZIERŻANOWSKI P

**A chemical and structural re-examination of fettelite samples from the type locality, Odenwald, southwest Germany (pp 551-566)**

BINDI L, DOWNS RT, SPRY PG, PINCH WW, MENCHETTI S

**Biogeochemical behaviour of plutonium during anoxic biostimulation of contaminated sediments (pp 567-578)**

KIMBER RL, BOOTHMAN C, PURDIE P, LIVENS FR, LLOYD JR

**New Mössbauer measurements of  $Fe^{3+}/\Sigma Fe$  in chromites from the mantle section of the Oman ophiolite: evidence for the oxidation of the sub-oceanic mantle (pp 579-596)**

ROLLINSON H, ADETUNJI J, YOUSIF AA, GISMELSEED AM

**$Pb_2(AsO_2OH)Cl_2$ , a new phase from the Lavrion ancient slags, Greece: occurrence and characterization (pp 597-602)**

SIIDRA OI, CHUKANOV NV, PEKOV IV, KRIVOVICHEV SV, MAGGANAS A, KATERINOPOULOS A, VOUDOURIS P

**Arsenohopeite, a new zinc arsenate mineral from the Tsumeb mine, Namibia (pp 603-612)**

NEUHOLD F, KOLITSCH U, BERNHARDT H-J, LENGAUER CL

**Thermal expansion of alunite up to dehydroxylation and collapse of the crystal structure (pp 613-623)**

ZEMA M, CALLEGARI AM, TARANTINO SC, GASPARINI E, GHIGNA P

**Krásnoite, the fluorophosphate analogue of perhamite, from the Huber open pit, Czech Republic and the Silver Coin mine, Nevada, USA (pp 625-634)**

MILLS SJ, SEJKORA J, KAMPF AR, GREY IE, BASTOW TJ, BALL NA, ADAMS PM, RAUDSEPP M, COOPER MA

**Retrograde strontium metasomatism in serpentinite mélange of the Kurosegawa Zone in central Kyushu, Japan (pp 635-647)**

MIYAZOE T, ENAMI M, NISHIYAMA T, MORI Y

**The mineralogy and crystal chemistry of alkaline pegmatites in the Larvik Plutonic Complex, Oslo rift valley, Norway. Part 1. Magmatic and secondary zircon: implications for petrogenesis from trace-element geochemistry (pp 649-672)**

PILONEN PC, McDONALD AM, POIRIER G, ROWE R, LARSEN AO

**Calciolangbeinite,  $K_2Ca_2(SO_4)_3$ , a new mineral from the Tolbachik volcano, Kamchatka, Russia (pp 673-682)**

PEKOV IV, ZELENSKI ME, ZUBKOVA NV, YAPASKURT VO, CHUKANOV NV, BELAKOVSKIY DI, USHCHAROVSKY D YU

**Diamond and coesite in ultrahigh-pressure-ultrahigh-temperature granulites from Ceuta, Northern Rif, northwest Africa (pp 683-705)**

RUIZ-CRUZ MD, SANZ DE GALDEANO C

**A reinvestigation of mayenite from the type locality, the Ettringer Bellerberg volcano near Mayen, Eifel district, Germany (pp 707-716)**

GALUSKIN EV, KUSZ J, ARMBRUSTER T, BAILAU R, GALUSKINA IO, TERNES B, MURASHKO M

**Comments on the eruption of basaltic magma at Tor Zawar, Balochistan, Pakistan on 27 January 2010, with a discussion of the geochemical and petrological constraints on its petrogenesis (pp 717-723)**

KASSI AM, KASI AK, TAWAB KHAN A, SALAM KHAN A

**Metavivianite,  $Fe^{2+}Fe^{3+}_2(PO_4)_2(OH)_2 \cdot 6H_2O$ : new data and formula revision (pp 725-741)**

CHUKANOV NV, SCHOLZ R, AKSENOV SM, RASTSVETAeva RK, PEKOV IV, BELAKOVSKIY DI, KRAMBROCK K, PANIAGO RM, RIGHI A, MARTINS RF, BELOTTI FM, BERMANEC V

**Debattistiite,  $Ag_9Hg_{0.5}As_6S_{12}Te_2$ , a new Te-bearing sulfosalt from Lengenbach quarry, Binn valley, Switzerland: description and crystal structure (pp 743-750)**

GUASTONI A, BINDI L, NESTOLA F

**Jakobssonite,  $CaAlF_5$ , a new mineral from fumaroles at the Eldfell and Hekla volcanoes, Iceland (pp 751-760)**

BALIĆ-ŽUNIĆ T, GARAVELLI A, MITOLO D, ACQUAFREDDA P, LEONARDESEN E

**Xenotime-(Y) and Sn-rich thortveitite in miarolitic pegmatites from Baveno, Southern Alps, Italy (pp 761-767)**

GUASTONI A, NESTOLA F, FERRARIS C, PARODI G

**Forêtite, a new secondary arsenate mineral from the Cap Garonne mine, France (pp 769-775)**

MILLS SJ, KAMPF AR, McDONALD AM, FAVREAU G, CHIAPPERO P-J

**Microbial effects on mineral-radionuclide interactions and radionuclide solid-phase capture processes (pp 777-806)**

[Open access review paper](#)

BROOKSHAW DR, PATRICK RAD, LLOYD JR, VAUGHAN DJ

**New minerals and nomenclature modifications approved in 2012 (pp 807-817)**

WILLIAMS PA, HATERT F, PASERO M, MILLS SJ

**Professor Robert Andrew Howie, 1923-2012 (pp 819-821)**

WALSH N