



# NEWSLETTER

Newsletter 162.2

12<sup>th</sup> October 2020

## Follow up on the Presidential lecture on Tuesday 6<sup>th</sup> October

Following on questions from his talk on October 6th, Dr Alan Boyle thought that some of these webinars may be of interest to LGS members.

### AGI Announces 'Earth Materials Frontiers' Webinar Series



connecting earth, science, and people

The American Geosciences Institute is pleased to announce a webinar series on cutting edge research on minerals and raw materials in celebration of Earth Science Week 2020. AGI along with its partners, the Mineralogical Society of America (MSA) and the International Raw Materials Observatory, is offering a suite of live and on-demand webinars, as well as additional live Q&A sessions with some of the speakers. All webinars are free.

- **“Resources Beyond Earth: Enabling Future Exploration and the New Space Economy,”** Dr. Angel Abud Madrid, Center for Space Resources, Colorado School of Mines. (On Demand starting 11 October 2020, 12 AM EDT with a live Q&A at 12 p.m. EDT, October 13, 2020)  
<https://www.earthsciweek.org/webinars/resourcesbeyondearth.html>
- **“Consumers: The Most Potent Army Against Conflict Minerals,”** Vitor Correia, International Raw Materials Observatory. (On Demand starting 11 October 2020, 12 AM EDT with a live Q&A at 12pm EDT, October 16, 2020)  
<https://www.earthsciweek.org/webinars/conflictminerals.html>
- **“May the Quartz Be With You,”** Dr. Shannon Mahan, U.S. Geological Survey (On Demand starting 11 October 2020, 12 AM EDT)  
<https://www.earthsciweek.org/webinars/quartz.html>
- **“The Need and Solutions for Robots in Responsible Raw Material Exploration and Mining,”** Dr. Norbert Zajzon, University of Miskolc. (On Demand starting 11 October 2020, 12 AM EDT with a live Q&A at 12 p.m. EDT, October 14, 2020) <https://www.earthsciweek.org/webinars/roboticsinmining.html>
- **“The Global Supply of Critical Minerals: Assessing and Tracking Critical Mineral Commodities.”** Dr. Nedal Nassar, U.S. Geological Survey (On Demand starting 11 October 2020, 12 AM EDT)  
<https://www.earthsciweek.org/webinars/criticalminerals.html>
- **“Advances in the Mineralogy of Mars,”** Dr. Elizabeth Rampe, Johnson Space Center. (Premieres 12 October 2020, 10 AM EDT)  
<https://www.earthsciweek.org/webinars/marsminerals.html>
- **“The Future of Data-Driven Discovery in Mineralogy and Crystallography,”** Dr. Shaunna Morrison, Carnegie Institute of Science. (Live 2 p.m. EDT, October 12, 2020) Register at: <https://us02web.zoom.us/meeting/register/tZAlcuygrz4iGNIAiJ88Ya3ZeVCElvsE-Few>
- **“Gemology: Time Capsules Connecting Us Through History,”** Dr. Aaron Palke, Gemological Institute of America. (Premieres 13 October 2020, 3 PM EDT)  
<https://www.earthsciweek.org/webinars/gemstones.html>
- **“New Insights Into Wire Silver and Gold Formation,”** Dr. John Rakovan, Miami University (Premieres 14 October 2020, 3 PM EDT)  
<https://www.earthsciweek.org/webinars/wiresilvergold.html>

For more information, visit <https://www.earthsciweek.org/webinars>. All on-demand webinars will have multilingual captioning available.

## Tuesday 20th October

### LGS Quiz with Mike Stoddart

This quiz will take place online using Zoom. Mike Stoddart has very kindly agreed to set the quiz, which will start at 7 p.m. on 20<sup>th</sup> October and finish at 8.30 p.m.

To join the meeting to take part in the quiz, please use the link below:

Join Zoom Meeting

<https://us02web.zoom.us/j/9806629072?pwd=c1RrbHNpMTRXMUY3MW1sZjBEaU1PUT09>

If you are asked for a meeting ID and passcode they are:

Meeting ID: 980 662 9072

Passcode: Dawpool

Should you need advice on making the connection, please email Martin Amlôt at:

[martin.amlot@btinternet.com](mailto:martin.amlot@btinternet.com)

## Tuesday 27<sup>th</sup> October

The following will be proposed for membership of the Society at the 22nd November meeting: Jack Walker.

### Extraordinary Meeting and Annual General Meeting

These meeting will begin at 7.00 p.m. and will precede the lecture by Dr David McNamara.

#### Agenda for the Extraordinary Meeting

#### 1. Council propose the following modification to the LGS Constitution:

##### 3. MEMBERSHIP OF THE SOCIETY

3.4 Each candidate for election as a Full Member or as a Student Member shall submit a completed application form to the Treasurer, with a cheque, cash or completed banker's order form for their first Subscription. The name of the candidate shall then be shown as soon as practicable in a circular convening an Ordinary or Field Meeting, and an election shall take place at such meeting. Student Members may progress to become Full Members without re-election. Membership is not transferable to anyone else.

#### 2. Election of Officers and Members of Council 2020/2021

The following are proposed by Council to be elected for the 2020/2021 Session:

##### Officers of Council

President AP Boyle, Vice President M Amlôt, Secretary ME Williams, Programme Secretary NC Hunt, Assistant Secretary GR Tresise, Treasurer GT Billington, Assistant Treasurer NC Hunt, Excursion Secretary G Gilchrist, Librarian WJ Iley, Editor (NW Geologist) G Sherwood, Archivist A Morgan, Publicity Officer S. Hurrell, Website Manager TJP Williams, Publications Sales Manager GT Billington.

##### Ordinary Members of Council

E Thompson, D Jones, A Clague, E Message, J Brinkley, R Leong

##### Co-opted members

Hilary Davies

#### 3. Rates of Subscription for 2019/2020

The following annual subscription rates are proposed by Council for the 2020/2021 Session:

Full members £15

Student members £5

### Annual General Meeting

This meeting will cover the Annual Report and Accounts for the period 1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020. Copies of the Annual Report and Accounts will be available on the LGS website in advance of the meeting

## Tuesday 27<sup>th</sup> October

Lecture by Dr David McNamara, University of Liverpool: Geothermal Geology: Teaching a New Dog Old Tricks

Dr David McNamara is a former PhD graduate of the University of Liverpool who has since built an industry and research career in the internationally growing geothermal sector. David spent over seven years working for New Zealand's Crown Research Institute 'GNS Science' where he worked to adapt oil and gas techniques to geothermal application. David's work centres on understanding the flow of geothermal fluids which includes characterising structural networks, and understanding the nucleation and growth of scaling minerals in geothermal reservoirs in New Zealand, USA, Nicaragua, Indonesia, Ireland, Uganda, Iceland and now the UK. David is now back in Liverpool as a Lecturer in the School of Earth, Ocean and Ecological Sciences.

Dr David McNamara will deliver the Liverpool Geological Society Lecture on Tuesday 27<sup>th</sup> October at 7.00 p.m. on Zoom. To join the meeting to see and hear the lecture, please use the link below:

Join Zoom Meeting

<https://us02web.zoom.us/j/9806629072?pwd=c1RrbHNpMTRXMUY3MW1sZjBEaU1PUT09>

If you are asked for a meeting ID and a passcode, they are:

Meeting ID: 980 662 9072

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[martin.amlot@btinternet.com](mailto:martin.amlot@btinternet.com)

### **Saturday 7th November**

The Geologists' Association has arranged a virtual Festival of Geology (vFOG) on 7 November., with some carefully organised (Covid compliant) field events on 8 November (Remembrance Sunday).

Contact details: <https://geologistsassociation.org.uk/festival/>

### **LGS field excursions**

All field excursions planned for this session have been postponed due to present Covid 19 restrictions.

### **From the Treasurer**

Subscriptions for the 2020 - 2021 session are due on the 1st October 2020.

Subscription rates are: £15 for full members and £5 for student members (full time students).

Mr Gary T Billington, Honorary Treasurer, Liverpool Geological Society, 4 Lewisham Road, Liverpool L11 1EF

All enquiries regarding membership of the Society or subscription to the Geological Journal should be sent to the Honorary Treasurer at [g.t.b\\_lgs@hotmail.co.uk](mailto:g.t.b_lgs@hotmail.co.uk)

Those wishing to take advantage of a Standing Order Mandate to pay their subscriptions and save worrying each year about paying their subscriptions should also contact the Honorary Treasurer, who will supply you our bank details. The Standing Order Mandate can be completed online or by going to your bank in person.