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**From:** Margaret <lgssecretary19@gmail.com>  
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**To:** <tjpeter.williams@gmail.com>

161st Session

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# NEWSLETTER

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**30th September 2020**

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**Welcome to the 162<sup>nd</sup> Session of the Liverpool Geological Society.**

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**Tuesday 6<sup>th</sup> October 2020**

**Presidential address by Dr Alan Boyle (University of Liverpool): Peak Minerals**

The Earth's mineral resources are finite, and dwindling. The concept of "Peak Minerals" provides a framework for understanding the economic, social and environmental trajectories of particular mining industries whereby ever increasing production leads to extraction of the higher grade and more easily mined resources leaving ever lower grade, less easily mined (more expensive) resources behind. In such a scenario, for a given material in a given area (e.g. country, continent, planet) production may peak and subsequently decline as grade of the resource decreases and exploitation costs increase. This lecture will discuss the metals gold, lithium and copper, and the non-metal phosphorus in terms of when peak production may occur and the factors that may bring forward or push back peak – and the potential consequences for our species.

The Liverpool Geological Society Presidential Address will be delivered on Tuesday 6th October 2020 at 7.p.m. by Dr Alan Boyle, 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](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)

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**Tuesday 13<sup>th</sup> October 2020**

**Lecture by Prof Chris Hunt, Liverpool John Moores University:**

**Environmental Geology of Prehistoric Malta**

The first European civilisation arose in the Maltese Islands and lasted for more than 2000 years. How, on these arid, rocky, restricted islands, with few natural resources, did they do it - and why, eventually, did it fail? Coastal plain sequences, ancient soils and geophysics provide the evidence for how the Maltese Temple culture was born, flourished, and eventually perished.

Professor Chris Hunt will deliver the Liverpool Geological Society Lecture on Tuesday 13<sup>th</sup> October at 7 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](https://us02web.zoom.us/j/9806629072?pwd=c1RrbHNpMTRXMUY3MW1sZjBEaU1PUT09)

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**Field excursions**

The two field excursions planned for October 2020 have been postponed due to present Covid 19 restrictions.

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**Liverpool Geological Society Prizes**

Four students were awarded prizes. They are:

Liverpool John Moores University nomination for LGS Prize 2020

Overall excellence in Geography: Lucy Shaw

University of Liverpool nominations for LGS Prize 2020

Overall excellence Geology BSc: Alice Glover

Overall excellence GPG BSc: Abigail Plimmer

Overall excellence Geophysics: Megan Udy

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### **The Wallace Pitcher Prizes**

Rowan Patel was awarded the 2019-2020 Wallace Pitcher Prize for a piece of work submitted for Category 2 of the Wallace Pitcher Prizes: Adults not in full-time education. This category is intended to cover a piece of work resulting from fieldwork investigation or furthering the understanding of North West Geology. The title of Rowan's submission was 'Active Tufa Deposits in Shotwick Dale and Dibbinsdale: A Description and Analysis of Wirral Tufa Sites'.

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### **Down to Earth Magazine (DTE)**

Hard copies of this publication were not produced for May or August, but electronic copies were produced, which we have permission to email to LGS members.

If you would like pdf copies of DTE 111 Parts 1&2 and DTE 112 Parts 1 & 2, email Maggie Williams (Secretary) at

[lgssecretary19@gmail.com](mailto:lgssecretary19@gmail.com) and they will be sent to you.

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### **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.

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Liverpool Geological Society  
2 Hazelwood  
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