



17th January 2024

LGS Newsletter 165.8

Liverpool Geological Society Events

These events will be held in **Lecture Theatre C** in the Central Teaching Hub, University of Liverpool.
Entrance will be via the main door.

Please be aware that for security reasons, the building manager may lock the main door to stop access from outside at some time after 7.30pm. If you arrive late and are unable to gain access, you may need to contact someone inside the lecture to let you in.

Tuesday 6th February

Lecture by Dr Katy Chamberlain (University of Liverpool)

Title: Stopping the clock on volcanoes: timing magmatic processes using crystal cargoes



Katy Chamberlain is an igneous petrologist and volcanologist, specialising in the interpretation of pre-eruptive magmatic evolution using geochemical analyses of erupted products. She has worked all over the world, studying super-eruptive processes in the Bishop Tuff (USA), ocean island volcanism at Ascension Island and the Canary Islands, and subduction zones processes in the Southern Volcanic Zone of Chile. In this talk she will discuss ways we can resolve the timescales of magmatic processes that lead to an eruption, and understand over what timeframes we may see unrest before future eruptions. Using the super eruptive Bishop Tuff deposit and the recent 2021 La Palma eruption as case studies, she will show how crystal cargoes record pre-eruptive changes that are vital for helping us to translate geophysical signals before an eruption into processes occurring at depth.

Schedule of LGS excursions in 2024

Here are some dates for your diary. The programme for summer 2024 is currently:

- 29-30th June - Upper Gilwern Quarry near Llandrindrod Wells. Fossil trilobite collecting with Mike Stoddart.
- 7th July - Austwick. Study of the Craven Inlier. Field excursion organised by Peter Burgess.
- 1-10th August – Iceland. Field excursion organised by Hazel Clark via Izzy Tours.

Further details of these excursions will be provided nearer the time of each excursion.
Additional excursions are likely to be added to this list.

Liverpool Geological Society Annual Dinner

This will be held on **Tuesday 19th March 2024** at Villa Romana, 6 Wood Street, Liverpool, L1 4AQ at **7 pm** and bookings and payments for this event must reach the Treasurer (Gary. T. Billington) **by 5th March**. Details are shown below:

First Course: Choice of

- Soup of the day.
- Insalata Caprese: Salad of mozzarella cheese, tomato and fresh basil.
- Funghi Trifolati: Sautéed mushrooms served with crusty bread.
- Bruschetta.

Main Course: Choice of

- Tortelloni Basilico - large pasta filled with ricotta cheese and spinach, with a Napoli cream sauce. Oven baked & topped with mozzarella cheese.
- Pizza Prosciutto e Funghi - pizza with mozzarella cheese, tomatoes, Parma ham & mushrooms.
- Filetto di Salmone - grilled fillet of salmon served with lobster bisque sauce with vine cherry tomatoes.
- Pollo Villa Romana - pan fried breast of chicken served in a creamy mushroom sauce. Served with a side of sautéed potatoes.

Desserts from the trolley

Tea/Coffee

Cost: £35.75 per head (including a 10% tip)

Guests can pay for any extra drinks ordered at the end of the meal.

Please indicate your choice of food on a printout of this page and add your name.

Either hand your menu choice sheet and cash payment (or a cheque made payable to Liverpool Geological Society) to The Treasurer at the LGS meeting to be held **on 5th March** in the Central Teaching Hub, University of Liverpool.

Or post this menu choice sheet with a cheque* made payable to Liverpool Geological Society to The Treasurer **by 5th March**.

Gary's address is shown below.

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

*If you would prefer to make a direct payment to the Society, please email Gary for details of the account.

Name: _____

Payment by: cash/ cheque/ direct payment

Down to Earth

Electronic copies of this publication are available for LGS members. If you would like a pdf copy of the most recent publications: Issue 125 (November 2023) and DTE Extra numbers 131, 132 and 133, please email Maggie Williams (Secretary) at lgssecretary19@gmail.com and copies will be emailed to you.

Herdman Symposium 2024

Tickets are now available via:

<https://payments.liv.ac.uk/conferences-and-events/events-at-liverpool/school-of-environmental-sciences/51st-herdman-symposium-“energy-and-sustainability”>

LGS Members' tickets cost £11.00. A free buffet lunch will be provided to all attendees included with the ticket price. All tickets include entry to both the Symposium and a wine reception held at the University afterwards. One free drinks voucher will be provided to each attendee for the wine reception. Last Booking Date for this Event is 9th February 2024.



Speakers:

- Dr Frances Cooper (University College London): “Tectonics, climate, and copper in the Central Andes”
- Dr Jessica Pugsley (University of Aberdeen): “Virtual outcrops in the modern geological toolkit”
- Dr Jeremy Sloan (University of Warwick): “Perovskites in Geology and Materials Science: from Igneous Rocks to the Picoscale”
- Dr Kathryn Moore (Camborne School of Mines, University of Exeter): “Geoenergy, critical metals and responsible mining”
- Dr Joshua Griffiths (National Nuclear Laboratory): “Nuclear Waste Management and Disposal in the UK”

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Hull Geological Society

Thursday 1st February Zoom talk (19:30-20.30)

The Geology of the Italian Part of Lake Maggiore by Tony Felski.

Booking required for non-members, details on the Hull Geological Society website:

<http://www.hullgeolsoc.co.uk/hgbooking.htm>

Yorkshire Geological Society events

Wednesday 7th February Zoom webinar (19:00-20:00)

The Lower Cretaceous ‘East Lindsey Group’ a jewel in the geological crown of Lincolnshire. Paul Hildreth (Yorkshire Geological Society council).

This is Paul’s second Presidential Address to the Yorkshire Geological Society.

The county of Lincolnshire is often overlooked as a venue for geology field trips and even research but it possesses several opportunities for examining significant and interesting exposures. The county’s jewel in the crown is the under-published Lower Cretaceous sequence known as the ‘East Lindsey Group’.

Register for free here: <https://www.yorksgeolsoc.org.uk/events-list/east-lindsey-group>