



2nd February 2025

LGS Newsletter 166.7

Information about indoor meetings for the 166th session is available on the LGS website at:

<https://liverpoolgeologicalsociety.org/indoor-meetings>

Liverpool Geological Society events

Tuesday 18th February 2025

Lecture by Prof Tim Wright (University of Leeds)

Title: Satellite monitoring of our hazardous planet

Location: Lecture Theatre B in the Central Teaching Hub, University of Liverpool



Prof Tim Wright

Professor of Satellite Geodesy; Director of NERC COMET; Director of Research and Innovation (School of Earth and Environment, University of Leeds)

Nearly 1 million people have died as a result of earthquakes in the last 20 years, and hundreds of thousands of people have been evacuated from their homes due to volcanic activity. Across the planet, natural hazards continue to turn into disasters. In this talk, Prof Tim Wright will highlight the work of scientists in the UK's Centre for the Observation and Modelling of Earthquakes, Tectonics and Volcanoes (COMET), who are at the forefront of international efforts to observe and monitor our hazardous planet from space. He will explain how satellites orbiting 100s of km above the Earth can map movements from tectonics and volcanism with millimetre accuracy. He will also discuss how this critical information is helping decision makers around the world prepare for and quickly respond to earthquakes and eruptions.

Down to Earth (DTE)

Electronic copies of this publication are available for LGS members. If you would like a pdf copy of the most recent publications (DTE Number 130, DTE Extra numbers 145 & 146), please email Maggie Williams (Secretary) at lgssecretary19@gmail.com and copies will be emailed to you.

LGS Publication: *The North West Geologist* – Issue 22

Copies may be picked up at meetings held in the Central Teaching Hub, but will be posted to LGS members who have not picked up their copies by March 11th.

Maggie & Peter Williams (the NWG Editors) welcome original articles (up to approximately 3,000 words in length) on topics related to geological and geomorphological topics. These should be sent to nwg.editor@gmail.com with the author's full name, title and address and email address. The copy deadline is 31st March for October publication. Articles should be sent as Word files. Notes for authors are given in **NWG 22**.

Liverpool Geological Society Annual Dinner

This will be held on Tuesday 18th March 2025 at Villa Romana, 6 Wood Street, Liverpool, L1 4AQ at 7 pm. Bookings must reach Stephen Hurrell by 11th March.

Details are shown below:

First Course: Choice of

- Homemade Soup Of The Day (V)
- Caprese Salad (V) - A salad of mozzarella cheese, tomato slices and fresh basil. Served with a vinaigrette dressing.
- Sautéed Mushrooms - In A Cream & Garlic Sauce
- Goats Cheese - Deep fried goats cheese coated in breadcrumbs. Served with rocket leaves and red currant jelly.

Main Course: Choice of

- Tortelloni Basilico (V) - Large pasta filled with ricotta cheese and spinach with a Napoli cream sauce, oven baked and topped with mozzarella sauce
- Prosciutto E Funghi - Pizza with mozzarella, tomato, parma ham and mushrooms
- Branzino Al Vino Bianco - Oven roasted sea bass fillets with peppers, onions, cherry tomatoes, basil and white wine. Served with a side of sautéed potatoes
- 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: £38.50 per head (including 10% service charge).

Note: *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 Stephen Hurrell at the LGS meetings usually held 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 4th March. Gary's address is shown below.

Gary T Billington

Honorary Treasurer

Liverpool Geological Society

4 Lewisham Road, Liverpool L11 1EF

*Gary would prefer members to pay by making a **direct payment (bank transfer)** to the Society and he asks those who do pay by this method, to contact him to confirm payment. The Society's bank details are shown below:

CAF Bank Limited

Sort 40 52 40

Account No 00013990

Name: _____

Payment by: cash/ cheque/ direct payment

LGS Fieldwork excursions 2025

Anglesey excursion: reminder

All the places for our excursion to Anglesey from **24-26th May 2025** are now taken, but if you want to be placed on a reserve list, please contact our Excursion Secretary, at mike.stoddart@live.co.uk. Those who have not yet done so are reminded to book their accommodation and, if you are not a member of the Society, we would encourage you to join (details [here](#)) otherwise you will have to pay £6 to cover our liability insurance.

Shap Quarry Excursion

On Saturday **14th June 2025** we will be visiting the famous [Shap Granite](#) quarry in Cumbria. The rock here is an attractive building stone and can be seen in many famous buildings but these days it is worked for road stone by [Armstrongs](#). Members will be able to collect specimens of the granite itself and, potentially, some interesting minerals; as [reported by the BGS](#), joints in the rock commonly bear "*molybdenite, chalcopyrite and abundant pyrite sometimes with much fluorite (purple, green and colourless) or sometimes a little white barite. Traces of galena, sphalerite and bismuthinite are also found*". The quarry is about a two-hour drive from central Liverpool and we will be there for about three hours **starting at 10:00 hours**. Given the distance (about 100 miles), we will be encouraging lift-sharing. We may have lunch at the Shap Wells hotel afterwards and walk along Wasdale Beck to see the mid-Devonian unconformity. Numbers may be limited so members are encouraged to reserve a place with our Excursion Secretary, at mike.stoddart@live.co.uk. The location is the Shap **Pink** Quarry just off the A6. The What3Words location is <https://w3w.co/fewest.revolts.revisits> and the coordinates are 54°28'01"N 2°40'44"W. The nearest postcode is CA10 3QQ Directions: Exit M6 at Junction 39 then turn **left** onto the A6. The quarry entrance is approx. 3 miles along the A6 on your right hand side (there is a white and red sign post that you can see from the A6 as you approach).

Edinburgh Excursion

For the weekend of **28-29th June 2025** we are planning to look at the geology of the Edinburgh area. On the Saturday we will be visiting Siccar Point and the following day we will be visiting locations in Edinburgh itself. Siccar Point is the location of [Hutton's Unconformity](#) - a "bucket list" location for any geologist while Edinburgh itself has many (Carboniferous volcanic) geological marvels including [Salisbury Crags](#), Arthur's Seat and [Hutton's Section](#) (currently off limits, unfortunately). Our guide for each day will be a member of the Edinburgh Geological Society (EGS) and we may be joined on the first day by some members of EGS. Details of the excursion are still being ironed out but members who are interested in attending should reserve a place with our Excursion Secretary, at mike.stoddart@live.co.uk. Current thinking is that we will travel up on the Friday ready for a full day on Saturday and then field visits on Sunday, so accommodation will be required on the Friday and Saturday nights. Members can choose to attend either or both days.