



3<sup>rd</sup> October 2022

LGS Newsletter 164.2

## Liverpool Geological Society's 'Dinosaur Week' 18<sup>th</sup>-25<sup>th</sup> October

All lectures start at 7.30 pm and will take place at the Central Teaching Hub of the University of Liverpool, Lecture Theatre D. Entrance will be via the main door.



Tuesday 18<sup>th</sup> October

Lecture by Prof Phil Manning (University of Manchester)

**Title:** The Last Day of the Dinosaurs

**Summary:** 66 million years ago, the 'Age of the Dinosaurs' came to an abrupt end. This highly successful group of vertebrates had prospered for over 160 million years, but went extinct (bar their descendants the birds) at the end of the Cretaceous Period. Recognising the effects of the Cretaceous impact event are essential to understanding the global-scale collapse of ecosystems that mark the end of the age of the Dinosaurs, or the Cretaceous-Paleogene (KPg) mass-extinction. We can help resolve the timing of this global event through a newly discovered deposit in the Hell Creek Formation (North Dakota, USA).

Saturday 22<sup>nd</sup> October 11.00am start

A guided tour at World Museum with Wendy Simkiss (Curator of Geology & Science, World Museum).

**Title:** The dinosaur and Chirotherium exhibits at World Museum, William Brown Street, Liverpool

**Summary:** The displays include three dinosaur skeleton replicas, footprints (including a type specimen) from the Triassic, a display on dinosaur diets for herbivorous dinosaurs, vertebrate fossils in the 'Bones in Stone' display, bones and flints from the Quaternary of Kent's Cavern and marine and plant fossils from the Palaeozoic, plus a huge Eocene palm frond – one of the best ever found.

World Museum Website:

<https://www.liverpoolmuseums.org.uk/world-museum>

**Start time:** 11.00am.

**Approximate finishing time:** 12.30pm.

**Meeting place:** Entrance to the World Museum, William Brown Street, Liverpool L3 8EN. Meet at 10.55am.

**Parking:** World Museum is close to the entrance to the Queensway Tunnel. There is pay and display parking outside the museum on William Brown Street and behind the museum on Hunter Street. The nearest other car park is at Queen Square.

**Nearest station (for those travelling by train):** Lime Street station.



**Please note:** The maximum number for this tour is 20. If you wish to reserve a place on this tour, please contact Maggie Williams (Hon. Secretary), by mobile: 07784720551, or email: [lgsecretary19@gmail.com](mailto:lgsecretary19@gmail.com)

**Sunday 23<sup>rd</sup> October**

**Field excursion to Hoylake: Could dinosaurs have lived here in Triassic times?**

**Field Excursion Leader: Maggie Williams**

**Date: Sunday 23<sup>rd</sup> October**

**Start time: 2.30pm.**

**Approximate finishing time: 4.00pm.**

**Approximate walking distance: 0.25km.**

**Terrain:** An easy walk, mostly along the beach, but there are some small cliffs.

**Meeting place:** Meet at 2.30 pm at Red Rocks at the end of Stanley Road, Hoylake, Wirral CH47 1HZ.

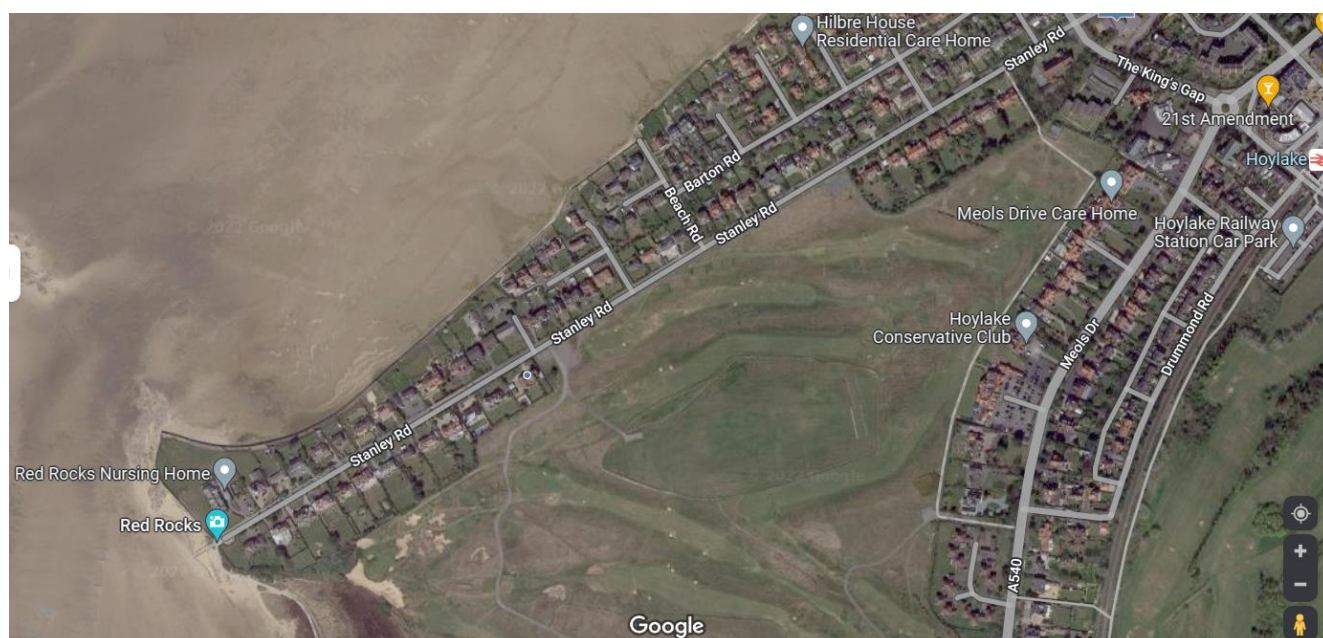
Lat/Long: 53°23'22"N, 3°11'31"W.

OS Map Reference: SJ204884.

What Three Words: wished.botanist.flagpole

**Notes:**

1. This field excursion is intended for those who are new to Geology or who are hesitant about describing sedimentary rocks and using evidence in these rocks to suggest past environments of deposition.
2. Red Rocks (SSSI) is an area of sand dunes and reed beds at the mouth of the Dee Estuary and to the west of Hoylake on the Wirral Peninsula, England.
3. There are no local public toilet facilities at Red Rocks.



**For those travelling by car:** There is plenty of free parking along Stanley Road.

**Nearest station (for those travelling by train):** Hoylake. If travelling by train, it is a 1.2km walk from Hoylake Station along Stanley Road to the meeting place.

**Clothing and equipment needed (e.g. safety helmets, waterproofs, food, rucksack etc):** Sturdy footwear, high-vis jacket, and waterproofs. Bring something to eat and / or drink if you need it.

**Aim(s) of the visit:** To determine the past environment recorded in the Triassic rocks in the area and work out if dinosaurs could have lived here in Triassic times.

**The maximum number for this excursion is 15. If you wish to reserve a place on this excursion, please contact Maggie Williams, Hon. Secretary, by mobile: 07784720551, or email: [lgssecretary19@gmail.com](mailto:lgssecretary19@gmail.com)**



**Tuesday 25th October**

**Lecture by Dr John Nudd (University of Manchester)**

**Title:** Exceptional Preservation of Dinosaur Eggs and Embryos from the Cretaceous of China and Argentina.

**Abstract:** Dinosaur eggs have been known for almost 100 years, but it is still exceptionally rare to find eggs containing any remains of their tiny embryos. I have been directing an international team of specialists which has used ground-breaking techniques to reveal these delicate fossils. Embryos from China have been identified with the enigmatic group of dinosaurs, the therizinosauroids, and the embryos have revealed much about the anatomy and affinities of these peculiar animals. Those from Argentina proved to belong to the titanosaurs, some of the largest dinosaurs ever to have walked on Earth. Their tiny skulls, not much more than a centimetre in length, have revealed some surprises!

**The programme of meetings for the 164<sup>th</sup> session is available on the LGS website at:**  
<https://liverpoolgeologicalsociety.org/indoor-meetings>

## **LGS Members' Evening**

There will be a 'Members' Evening' on **Tuesday 10th January 2023**.

This evening is your chance to have your "Five (or ten) minutes of fame" and give a short presentation or talk about a geological topic to other LGS members.

If you are stuck for ideas, why not share one of the following:

- details of the most exciting geology field excursion you have undertaken (or would like to do)
- information about a new field guidebook, geology book or map you have read or used
- photographs of geological features you have seen on your holiday, on a recent LGS field excursion (or found in your back garden)
- unusual geological specimens you have found or seen (if they are not too big or heavy, you could bring these along to show/ amaze members)
- an outline of the best geological exhibit you have seen.

If you would like to offer a talk or presentation, please let Chris Hunt know by emailing:

[chris1972scfc@outlook.com](mailto:chris1972scfc@outlook.com)

## **Two gentle reminders from the Treasurer**

### **1.Subscriptions for the 2022 - 2023 session**

Subscriptions are due on the 1st of October 2022.

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

All enquiries about membership of the Society should be sent to the Honorary Treasurer at [g.t.b\\_lgs@hotmail.co.uk](mailto:g.t.b_lgs@hotmail.co.uk) (*Please note that Gary's email address has an underscore between b and lgs*)

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 provide you with our bank details. You can complete the Standing Order Mandate online or by visiting your bank.

### **2.Gift Aid - boost your donation by 25p of Gift Aid for every £1 you donate!**

Liverpool Geological Society reclaims **Gift Aid** from the tax you pay for the current tax year. Your address is needed to identify you as a current UK taxpayer. A Gift Aid Form is available from the Honorary Treasurer and at LGS meetings. Completed Gift Aid forms should be returned to The Honorary Treasurer.

### **Contact details for The Honorary Treasurer:**

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

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