



25<sup>th</sup> May 2024

## LGS Newsletter 165.16

### LGS Field excursion

**Date:** Sunday 9th June 2024

**Title:** The Early Triassic Sherwood Sandstone succession of the East Irish Sea and Cheshire Basins

**Field Excursion Leader:** Neil Meadows

**Start time:** 9:00 am.

**Approximate finishing time:** 4.00 pm.

**Approximate walking distance:** 1-2km

**Terrain:** Mostly flat but some uphill and downhill sections at Helsby Hill

**Meeting place:** Coastal Drive, New Brighton. The starting point is on Coastal Drive approximately 100 metres from the roundabout which features the Pierrott Statue.

What three words location: <https://w3w.co/transfers.issued.king>

Map: <https://maps.app.goo.gl/hZHnnHEHfddaZY6M9>

Grid reference: 53°26'17.6"N 3°03'27.7"W

**Car parking (for those travelling by car):** Car parking is free at our starting point but there is a small car park with charges at one of our stops in Chester and restricted parking at some other locations. For this reason, we recommended consolidating into a smaller number of cars when we meet at the start. Our field excursion secretary, Mike Stoddart, will coordinate this once we know how many people are coming.

**Nearest station (for those travelling by train):** New Brighton station is a 13 minute (0.6 mile) walk from our starting point.

**Clothing & equipment needed:** Waterproofs, rucksack, packed lunch and drinking water, sunblock, hi-visibility vest, walking boots.

**Safety assessment:** A full field excursion safety and hazard assessment will be available at the start of the excursion.

**Aims of the day:** This one day excursion aims to give an appreciation of the variability in the Triassic Sherwood Sandstone Group continental sedimentary succession which is exposed at various localities around the Wirral and Chester and forms the reservoir for now largely depleted oil and gas fields in the adjacent Liverpool Bay and Irish Sea as well as the aquifer for water abstraction throughout the area. The localities to be visited are in New Brighton,

West Kirby, Burton Point, Chester and Helsby and include examples of the major fluvial system that supplied the vast majority of the sandy sediments that filled the Cheshire and East Irish Sea Basins during the Early Triassic. In addition, aeolian and sandflat sequences that comprise the floodplain to this river and complete the Sherwood Sandstone Group in this area are also well exposed. The localities provide an attempt to cover the majority of the Sherwood Sandstone Group stratigraphy spanning some 4.5Ma of the Induan to Anisian stages.

**Contact details to reserve a place on this excursion:** Please contact Mike Stoddart at [mike.stoddart@live.co.uk](mailto:mike.stoddart@live.co.uk)

Numbers may be restricted at a small part of the trip at Burton Point where we hope to obtain permission to venture on to RSPB-protected land.

## **The programme of LGS field excursions for later this summer**

**29-30th June 2024:** Upper Gilwern Quarry near Llandrindrod Wells: trilobite collecting with Mike Stoddart.

**7th July 2024:** Austwick. Study of the Craven Inlier. Field excursion organised by Peter Burgess.

**Further details of these excursions will be provided nearer the time of each excursion.**

## **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 publication: DTE Extra number 137, please email Maggie Williams (Secretary) at [lgssecretary19@gmail.com](mailto:lgssecretary19@gmail.com) and a copy will be emailed to you.

## **Geologists' Association Evening Lecture**

**Friday 5<sup>th</sup> July 2024 (via Zoom)**

**Event:** Illustrated evening lecture.

**Title:** Theropod forelimb claws and implications to dinosaur-bird evolution.

**Speaker:** Dr Zichuan Qin, University of Bristol

Email [sarah@geologistsassociation.org.uk](mailto:sarah@geologistsassociation.org.uk) for details about how to register for this event.

## **Open University Geological Society**

**Saturday July 13th 2024**

**Event:** Field excursion to Castle Head, Keswick

**Field leader:** Alan Smith

**Summary:** Investigation of the Castle Head intrusion and the Quaternary features of the surrounding area.

**For further details and to register for this event visit:**

<https://ougs.org/events/popup/2739/the-castle-head-intrusion-keswick/>