



# YORKSHIRE GEOLOGY MONTH

*May 2018*



**A month of public lectures, exhibitions and field trips to explore the diversity of Yorkshire's rocks, fossils and landscapes**

# PROGRAMME

*Please note that details of events may be subject to change.  
Please continue to consult this page, and/or contact the activity  
leaders listed below, for the latest information on arrangements  
for each event.*

## Thursday 3rd May 2018 at 7.15pm

**Lecture: Faults and earthquake hazard: the present is the key to the past.**

Dr Laura Gregory, SEE Leeds University, Rupert Beckett Lecture Theatre, Leeds University.  
For details of location and car parking please see LGA website: [www.leedsga.org.uk](http://www.leedsga.org.uk)

## Saturday 5th May

**Mapleton Fossil Fossick**

Organised by the Hull Geological Society. Booking required. Contact the leader at:  
[mike@zenrocks.karoo.co.uk](mailto:mike@zenrocks.karoo.co.uk)

## Wednesday 9th May at 5.30pm

**A geological walk around Roundhay Park**

*Led by Bill Fraser (LGA)*

*Purpose:* A guided walk of approx three miles, mainly along made paths but with one steepish ascent & descent through woodland, following the Geology Trail that was established as a joint venture between LGA and Friends of Roundhay Park in 2008. The ten locations along the trail illustrate changing sedimentary environments in the Millstone Grit Group (Rough Rock and underlying beds) and some interesting local and regional structural features. Copies of the Trail Guide and other handouts will be provided.

*Arrangements:* Roundhay Park is situated about 3 miles North of Leeds City Centre off the A58 Wetherby Road at Oakwood or from the A6120 Leeds Ring Road. Buses to and from Leeds City Centre: 2 & 12. Meet 5.30 pm at the Mansion House outside the Visitor Centre. Grid Ref: 3299 3829 Parking is available in Mansion Lane. Sat Nav: LS82HH. Paths can be muddy in places so boots/strong footwear advisable.

*Maps and References:* OS Maps 1:50 000 Landranger Sheet No 104 Leeds BGS 1:50 000 Sheet 70 Leeds.

*Publications:* Roundhay Park: A Walk back in Time

## Saturday 12th May from 10.30am until about 12.00pm

**Where on Earth did that come from in Sheffield?**

*Led by Peter Kennett, Sheffield Area Geology Trust and part of GeoWeek2018.*

No booking required. The natural stone in the buildings of the city centre can tell a fascinating story. Sheffield was once on the Equator and much of England was once a hot desert. Did they choose wisely for the stone under the fountains? How much has the Earl

of Shrewsbury lost since last year? Why is a “heathen” going in for a coffee? The route runs from the Peace Gardens to Sheffield Cathedral forecourt, (about 900m). Start at the top of the steps leading down into the Peace Gardens, adjacent to the Town Hall, Pinstone Street, Sheffield S1 2HH.

Contact if needed: peter.kennett@tiscali.co.uk

## **Sunday 13th May from 9.30am until about 12.30pm**

### **Features of Geology and Landscape in the Burbage Valley**

*Led by Duncan McLean (Sheffield Area Geology Trust) and part of GeoWeek2018*

No booking required but contact mbstratigraphy@gmail.com if information needed. Most of the 4km walk will be off the main paths on irregular, rocky, and sometimes steep terrain. Wear suitable outdoor clothing. Bring waterproofs. Appropriate, stout, waterproof footwear must be worn. No facilities during the walk.

The landscape of Burbage is controlled by the underlying distribution of rocks of the Carboniferous Millstone Grit. This has been moulded by periglacial activity during the last Ice Age and subsequently by the activities of man. This geological walk around the southern part of the Burbage Valley will look at the solid geology and geomorphology and consider the archaeological and historical impact of man on the landscape.

Start and finish at the southern end of Duke’s Drive (“The Greenway”) off the A6187 between Fox House and Toad’s Mouth [SK262,8067]. Limited car parking. More parking at Fox House or in Longshaw Estate Car Park (NT). Regular buses between Sheffield and Hathersage to Hathersage Road (request stop after Fox House).

## **Wednesday 16th May at 2.00pm Women in Geology**

### **An illustrated talk by Paul Hildreth (Brigg Geology Group and YGS)**

On the contributions to geological science made by women, often against the odds. A tribute in the 100th anniversary year of (many) women earning the right to vote.

Brigg Heritage Centre, The Angel, Market Place, Brigg, North Lincolnshire. DN20 8LD. Free admission and refreshments.

## **Thursday 17th May at 7pm**

### **What is the role of oil and gas in future energy supplies? Malcolm Brown (President, Geological Society of London)**

Concert Room, Scarborough Public Library, Vernon Road, Scarborough YO11 2NN. The President of the Geological Society is a patron of The Rotunda, The William Smith Museum of Geology, managed by Scarborough Museums Trust. SMT, in conjunction with the Geological Society, holds a biannual public lecture in Scarborough to celebrate the link. This year’s lecture will focus on how we might respond to future forecasts of world energy demands. The talk will explore the necessity of meeting the Paris Agreement, which requires a major reduction in fossil fuel use, despite having current predictions of a 30% growth in energy demands by 2035.

For further information contact: sarah.steel@smtrust.uk.com tel. 01723 384503

## Saturday 19th May at 10.00am

### Uncovering the Yorkshire Jurassic: Symposium

<https://www.yorkmuseumstrust.org.uk/whats-on/events/uncovering-the-yorkshire-jurassic-symposium/>

A symposium to complement the Yorkshire Museum's major exhibition "Yorkshire's Jurassic World" comprising talks and posters on a variety of Jurassic topics.

Speakers include:

Dr. John Powell (former President, Yorkshire Geological Society),

Briony Fox (North York Moors National Park Authority),

Dr. Sarah King (York Museums Trust),

Dr. Liam Herringshaw (Hull University),

Dr. Cris Little (Leeds University) and

Prof. Peter Rawson (Honorary Professor, Hull University, Emeritus Professor, UCL).

Tempest Anderson Hall, York YO1 7FR. Tickets available via [Eventbrite](#).

## Sunday 20th May

### Uncovering the Yorkshire Jurassic: Field Trips

A choice of three outdoor meetings, each one designed for a different level of geological experience.

**BOOKING IS ESSENTIAL FOR THESE TRIPS, PLEASE SEE EACH TRIP BELOW FOR BOOKING DETAILS.**

1. **Deepgrove Wyke to Keldhowe Steel (between Whitby and Kettlewell) led by Tim Burnhill of the Rotunda Geology Group.** Participants should meet at the Sandsend Car Park (GR NZ 861129). Participants should arrive at 12:00 with an aim to depart at 12:30. In this section the whole Jet Rock and Bed 32 of the Grey Shales are well exposed in the cliffs and on the foreshore. All of the distinctive concretions are accessible and, time and vegetation permitting, the Bituminous and Alum Shales, and the Dogger and Saltwick Formations can be seen if not visited. There are also sites of industrial archaeological interest en route. The Deepgrove Wyke to Keldhowe Steel section is easily accessible and is reached by some steep, but safe, steps – unlike other sections no ropes are involved. Hard hats would be advisable. Parking is available, at a charge, at Sandsend.

*FOR THOSE WITH MORE GEOLOGICAL EXPERIENCE. BOOKINGS AT*

<https://www.eventbrite.co.uk/e/jurassic-geology-field-day-advanced-tickets-44116029231>

2. **"Changing times, changing environments"** led by Paul Hildreth and *DESIGNED ESPECIALLY FOR THE INTERESTED AMATEUR AND YOUNG GEOLOGIST (KS2 to 4)*. Meet at Betton Farm Quarry, East Ayton, YO13 9HD (TA 0003 8546) at 10.15am from where the party will transfer to Burniston Wyke (TA 0276 9345) following car-sharing arrangements as parking spaces are limited at Burniston. The rocks at Burniston represent an environment of forested delta flats and meandering river channels to which giant reptiles were attracted. Participants will be encouraged to find evidence

to support this interpretation and be shown how to calculate the size of the animals. A return to Betton Farm Quarry takes us onto younger rocks which tell a different story, one of tropical seas and coral reefs. BOOKINGS AT <https://www.eventbrite.co.uk/e/jurassic-geology-field-day-intermediate-tickets-42714024798?aff=erelpanelorg>

3. **“Tracking Scarborough’s Dinosaurs”** with Will Watts of Hidden Horizons (Scarborough) from 1pm to 5pm. Meet at the Spa at 12.50pm before examining the shore in South Bay for dinosaur footprints and other features of geological interest. *SUITABLE FOR BEGINNERS AND CHILDREN FROM 5 YEARS OF AGE UPWARDS (KS1-2)*. BOOKINGS AT <https://www.eventbrite.co.uk/e/jurassic-geology-field-day-beginners-and-families-tickets-45318321319?aff=erelpanelorg>

### **Wednesday 23rd May at 10.30am**

**Building Stones of York City Centre** A guided circular walk of about 2 hours duration led by Paul Hildreth.

Meet in front of the entrance to York Art Gallery, Exhibition Square. The route will include: Museum Gardens, Lendal, High Ousegate, Shambles, Stonegate and York Minster environs. Find out about “shopfrontite”, “three-in-one-rock” and other exotics. FREE.

Further information from: [secretary@yorksgeolsoc.org.uk](mailto:secretary@yorksgeolsoc.org.uk)

### **Sunday 27th May**

**Urban Geology Morning Walk**

*Led by Mike Horne organised by the Hull Geological Society.*

Booking required. Contact the leader at: [mike@zenrocks.karoo.co.uk](mailto:mike@zenrocks.karoo.co.uk)

### **Saturday 2nd June**

**Rock and Fossil Roadshow**

Flamborough Village Hall, organised by the Hull Geological Society.

Open to the public from 11am to 3pm.