



**Circular 385**  
**April 2010**

Registered Charity No: 503617

President: Tim Colman

[www.emgs.org.uk](http://www.emgs.org.uk)

## **INDOOR LECTURE**

**Saturday 24<sup>th</sup> April 2010 - 6.30 pm**

**"The Forensic use of Micropalaeontology"**

**Speaker: Dr Haydon Bailey**

### **LECTURE VENUE**

Indoor meetings will take place in lecture theatre B3 of the Biology building at the University of Nottingham. If you require to use the lift to B3, please speak to the security attendant who will assist you. B3 is equipped with induction loop hearing assistance. If you are attending meetings or joining a coach at the University of Nottingham, enter from the South Entrance on University Boulevard. Cars should be parked in the car park on the bend in the road just beyond the security point after Science Road. The entrance to the Biology building is at the right hand side of the rear of this car park.

## **FIELD PROGRAMME** **SUMMER 2010**

**Sunday, 9<sup>th</sup> May - The Clitheroe Area**

**Leader: Neil Turner**

**Wednesday, 2<sup>nd</sup> June - Evening trip to Bradford Dale Area**

**Leaders: Colin Bagshaw and Ian Sutton**

**Saturday, 3<sup>rd</sup> & Sunday, 4<sup>th</sup> July - Weekend Visit to the Yorkshire Coast and the Rotunda Museum, Scarborough**

**Leader: Will Watts**

**Sunday, 5<sup>th</sup> September - Afternoon Visit to Chatsworth House**

**Leader: Ian Thomas**

**Friday, 17<sup>th</sup> September - Charnwood - Joint Meeting with the Hertfordshire Geology Society**

**Leader: Keith Ambrose**

**Saturday, 18<sup>th</sup> September - Charnwood - Joint Meeting with the Hertfordshire Geology Society**

**Leader: John Carney**

**Sunday, 17<sup>th</sup> October - Guided Visit to the Coal Mining Museum at Wakefield**

**PLEASE COMPLETE THE ATTACHED BOOKING FORM FOR THE FIELD TRIPS AND RETURN TO IAN SUTTON**

**Insurance and Safety**

Members are reminded that the Society has only public liability insurance and that personal accident insurance is a matter for individual members to arrange as they consider necessary. Up to date hard hats are obligatory for all field excursions involving quarries or cliff faces and strongly recommended for all trips. High visibility clothing is sometimes required in working quarries. High visibility tabards can be obtained from GA Enterprises, 126 Fleetside, W. Molesey, Surrey KT8 2NQ at £4.70 incl. pp. Members without suitable hard hats may be refused access to certain sites! Hard hats can be obtained from many Builders' Merchants, Wickes, B&Q Warehouse etc. for about £4.

Any non-members attending field excursions will have to pay a temporary membership fee of £2.00 and all participants are reminded that they must comply with any instructions from excursion leaders or, for example, quarry managers or their employees on Health & Safety issues.

**INDOOR MEETING**

**Saturday 24<sup>th</sup> April 2010 - 6.30 pm**

**The Forensic use of Micropalaeontology**

**Speaker: Dr Haydon Bailey**

Microfossils are rarely used in criminal investigations but they do have some potential. A brief history of the forensic use of micropalaeontology in the UK is outlined, albeit limited. The majority of the presentation examines how microfossils were used in the Soham murder case and how the integrated calibration of foraminiferal and nannoplankton data provided some of the evidence which led to the conviction of Ian Huntley.

**FIELD MEETINGS**

**Sunday, 9<sup>th</sup> May - Clitheroe 'Reef' Belt**

Meet at 11.30 am at the Nick of Pendle, Pendle Hill, near Clitheroe (SD 7715 3850) in a small grassy parking area on left of minor road from Sabden to Clitheroe.

**Directions:** From Sabden go roughly north-west for the 'Nick of Pendle' - the meeting place is approximately a mile on left and just before you start to descend. This is a busy, winding, minor road, so please take care if you need to cross it on foot at the parking area!

The fossils, rocks and origin of the limestone reef knolls of the Clitheroe area have been the subject of numerous studies over the years and the reef knolls are now called 'Waulsortian mud mounds'. A wide variety of fossils have been found in the Clitheroe Limestone Formation ranging from crinoids and echinoids, to brachiopods and bryozoa. There will be the opportunity to look for fossils in a picturesque rural setting and consider the geology of the Lower Carboniferous reef belt and the overall geological history of the Clitheroe area.

## Itinerary

**Nick of Pendle**, to look at view of Ribble Valley, introduce the area's geology and look at small quarry in the Pendle Grit.

For the next locality, park in car park of Calf's Head pub, Worston (SD 7680 4275) and walk to **A59 road cutting exposures** of Crow Hill (SD 7675 4300), and in the Peach Quarry Limestone (SD 7690 433) - both in Clitheroe Limestone Formation.

After lunch, **Salthill Quarry geology trail** (SD 756 427) and **Bellman Quarry** (SD 762 428) in the Clitheroe Limestone Formation. Bellman Quarry is an active quarry worked by Castle Cement.

**Witches Quarry, Twiston** (SD 8090 4435) in Clitheroe Limestone Formation. There is limited car parking at this site so we will need to car share from Salthill Quarry.

All stops on the itinerary could be subject to change due to unforeseen circumstances.

**OS Explorer Map: OL 41 Forest of Bowland & Ribblesdale**

**OS 1:50,000 Map: 103**

**PLEASE NOTE: Pre-booking is essential.**

**Hard hats and high visibility jackets should be worn. Warm and waterproof clothing is essential for all localities. Field boots with ankle support are also recommended as the ground surface may be uneven.**

## **Wednesday, 2<sup>nd</sup> June - Evening Field Trip to Bradford Dale**

**Meeting Place** - Just to the south of the church in the centre of Middleton by Youlgreave at 6.45 pm.

**Grid Reference:** OS 1:50,000 Sheet 119 Buxton and Matlock, SK195633.

Bradford Dale is one of the lesser known valleys in the White Peak but nevertheless is a favourite of many who know it. The River Bradford is a tributary of the Derwent and has very steep sides between Middleton by Youlgreave and Youlgreave. Structurally the dale is situated along the axis of the Calling Low anticline and cuts through Monsal Dale Limestone overlain by Eyam Limestone with both reef and bedded limestones. The Monsal Dale limestones are quite fossiliferous in places, with horizons rich in chert. A lava believed to be the Lathkill Dale Lava is locally poorly exposed in the floor of the dale and some hydrothermal mineralisation occurs in small veins near the lava. As well as the geology, the dale has much to offer from both its natural and industrial history.

## **Saturday, 3<sup>rd</sup> & Sunday, 4<sup>th</sup> July - Weekend Visit to the Yorkshire Coast and the Rotunda Museum, Scarborough**

The Yorkshire Coast is one of the classic destinations for geology, intrinsically linked to the birth of the science through people like William Smith and John Phillips. Today the coastline is still of worldwide importance for its geology, including the Middle Jurassic dinosaur footprints that have given rise to the name Dinosaur Coast. In recent years a resurgence in the region has seen the redevelopment of the Rotunda Museum as the William Smith Museum of Geology, the second oldest surviving purpose built museum in the UK still operating as a museum and now restored to its former glory

([www.rotunda.museum.org.uk](http://www.rotunda.museum.org.uk)) The trip will include a visit to the museum and a number of field excursions led by local geologists.

### **Saturday 3<sup>rd</sup> July** (Low tide is 3pm)

- 10.00 am Meet at the Rotunda Museum for a guided tour and introduction to the geology of the coastline.
- 11.00 am Guided walk around the William Smith Trail in Scarborough following in the footsteps of the Father of English Geology.
- 1.00 pm Lunch in Scarborough, and drive to Scalby Bay (just north of Scarborough)
- 2.00 pm Middle Jurassic geology in Scalby Bay, Dinosaur Footprints and plant material.
- 6.00 pm Finish and return to Scarborough.

### **Sunday, 4<sup>th</sup> July** (Low tide is 3.45 pm)

- 10.00 am Hackness Hills walk, Upper Jurassic geology and recreating one of William Smith's less well known maps.
- 1.00 pm Lunch (various options available)
- 2.00 pm Arrive Cayton Bay for Middle and Upper Jurassic geology, the potential for some nice fossil material.
- Finish to suit EMGS departures.

### **EMGS Council**

At the AGM on the 13<sup>th</sup> March 2010 the following members were elected to serve on Council for the coming year:

President	-	Tim Colman
Vice-President	-	John Travis
Secretary	-	Janet Slatter
Treasurer	-	Colin Bagshaw
Editor	-	Tony Waltham

Ordinary members of Council: Keith Ambrose, David Bate, Paul Guion, Richard Hamblin, Sue Miles, Duncan Short, Gerry Slavin, Ian Sutton, Neil Turner and Geoff Warrington.

### **Subscriptions**

Subscriptions were due on 1<sup>st</sup> February 2010. If you have not yet paid your subscription, please can you contact the Treasurer as soon as possible. The rates remain the same. Members who do not pay by Standing Order could please consider doing this as it eases the administrative load. Please also consider paying your subscription by way of a Gift Aid declaration. It costs you nothing but benefits the Society considerably and helps to keep our subscription rates down. A blank Gift Aid form and Standing Order Authority are available by request from the Secretary or Treasurer.

Subscription rates are:	£12.00 ordinary
	£15.00 joint membership
	£ 5.00 student membership

### **Information for Other Societies**

We hold information of lectures and field meetings for other local societies such as the NSSGA, Black Country Geological Society and Leicester Lit & Phil Society. If you would like details of any of these, please contact the Secretary.

### **Society Publications**

- (1) **Leicester Building Stones Guide;**

- (2) **East Midlands Field Guide;**  
(3) **Sandstone Caves of Nottingham** (new full colour edition) .  
Copies available by contacting the Secretary or at Indoor Meetings.

We are still looking for volunteers please in the Leicester area to help in distributing the Leicester Building Stones Guide. If you can help, please contact the Secretary (details below).

### **EMGS Website**

A plea for past EMGS Field Trip Photographs please for a gallery on the website. Pictures can be e-mailed to [website@emgs.org.uk](mailto:website@emgs.org.uk) or sent to the Secretary.

### **New Members**

Mr John Jones, Kegworth, Derby  
Mr Barry Bogglid, Bingham, Nottingham  
Miss Jennifer Gibbs, Leicester

### **Marketing the Society's Publications**

We are still in need of a volunteer to promote the marketing of the Society's publications such as the East Midlands Field Guide, Leicester Building Stones Guide and the Sandstone Caves of Nottingham books. If you have any expertise in this field, or even if you haven't but would like to volunteer to help, please contact the secretary or any other member of Council.

### **The National Stone Centre**

Are looking for volunteers for guiding and other activities on the site at Wirksworth. If you can help, please contact Ian Thomas on 01629 824833 or [ian@nationalstonecentre.org.uk](mailto:ian@nationalstonecentre.org.uk)

### **e-mail addresses**

To minimise postal costs and photocopying charges which amount to approximately £4.00 each year for every member who still receives their Circular by post, we would very much like to send you your Circular by e-mail. If you have not already done so, please send your e-mail address to the Circular Editor, [sue.miles@freethcartwright.co.uk](mailto:sue.miles@freethcartwright.co.uk).

**Please can you also confirm your name and address when sending your e-mail** so we can correlate these details with our membership listing.

**The next Circular will be published in June 2010.**

**The next Council Meeting will be held on 14<sup>th</sup> May 2010.**

**Secretary:** Mrs Janet Slatter, 100 Main Street, Long Whatton, Loughborough, Leicestershire LE12 5DG  
e-mail: [janet.slatter@btinternet.com](mailto:janet.slatter@btinternet.com) . tel. no. 01509 843297.

**Treasurer:** Mr Colin Bagshaw, 150 Scalpcliffe Road, Burton-on-Trent, Staffordshire DE15 9AD, e-mail: [Colin.bagshaw@yahoo.co.uk](mailto:Colin.bagshaw@yahoo.co.uk) tel. no. 01283 564520

# EAST MIDLANDS GEOLOGICAL SOCIETY

## BOOKING FORM - FIELD EXCURSIONS 2010

Please book me/us for the following excursions:

- Sunday, 9<sup>th</sup> May - The Clitheroe Area
- Wednesday, 2<sup>nd</sup> June - Evening trip to Bradford Dale
- Saturday, 3<sup>rd</sup> & Sunday 4<sup>th</sup> July - Weekend Visit to Yorkshire Coast & Rotunda Museum
- Sunday, 5<sup>th</sup> September - Afternoon Visit to Chatsworth House
- Friday, 17<sup>th</sup> September - Charnwood - Joint meeting with Hertfordshire Geo.Soc.
- Saturday, 18<sup>th</sup> September - Charnwood - Joint meeting with Hertfordshire Geo.Soc.
- Sunday, 17<sup>th</sup> October - Guided visit to Coal Mining Museum, Wakefield

*(Please delete those you will NOT be attending)*

Name(s): .....

Address: .....

.....

Tel: .....

e-mail address: .....

I/we do/do not have a car available.  
I/we would be prepared to offer transport.

Please send completed booking forms to the Field Secretary,  
Ian Sutton, at 30 Alford Road, West Bridgford, Nottingham NG2 6GJ  
Tel. No: 0115 923 2360 e-mail – [ian.sutton@idsgeo.demon.co.uk](mailto:ian.sutton@idsgeo.demon.co.uk)

---