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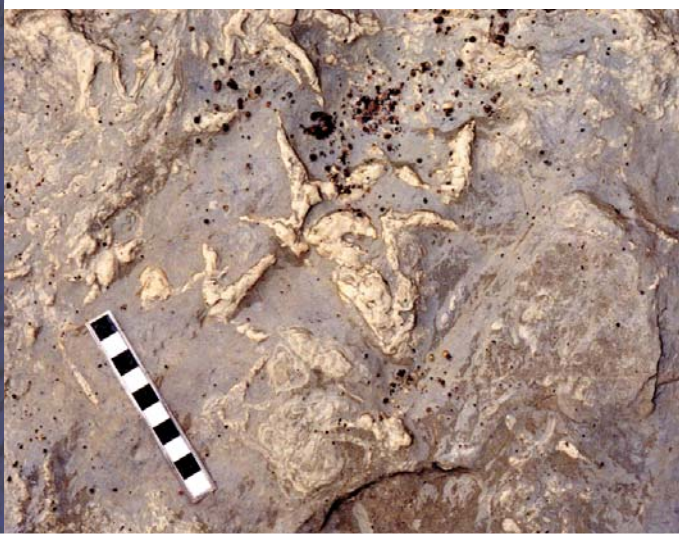
Circular 517



YORKSHIRE GEOLOGICAL SOCIETY

President: Professor Pete Rawson

FIELD MEETINGS FOR 2004



*Scalby Bay
(north of Scarborough)*

*Numerous tridactyl tracks
on a loose block*

*Paper Sponsored by
PAPER CO LEEDS*

www.yorksgsolsoc.org.uk

NON MEMBERS WELCOME

YGS 2004

BOWLEE PICNIC AREA & LOW FORCE WATERFALL

Leader: Dr. Trevor Morse

Meet: 10.00 on Sunday 23rd May 2004

Place: Bowlee picnic area car park

Members and their guests to meet in the Bowlee Picnic Area car park (grid reference NY 908 282), near Middleton in Teesdale for a 10 am start. This field trip has been organised for the beginner to informed amateur in mind. Within the Bowlee Picnic Area and with the aid of a detailed handout, the party will determine the depositional environments through observing the various lithologies (via graphic logging), which make up the two sedimentary sequences (cyclothem). Also to be covered are the possible mechanisms which may of assisted in this type of sedimentary sequences. After lunch the party will visit Low Force (300 metres from the carpark) to observe the Whin Sill igneous intrusion, its upper contact with the country rocks and a raft of baked sediments within the intrusion and if time permits, local mineralisation (part of the Wynch Bridge / Ettersgill zinc orefield).

Safety: The picnic area is on two levels separated by a flight of steps 10 metres in height. The journey between the picnic area and Low Force waterfall could be described to be on the level, with one or two short gradients (2 metres maximum). Stout footwear, waterproofs and warmish clothing are recommended.

The Society would like to thank the Paper Co Leeds for sponsoring the paper for this publication and therefore allowing it to be produced in colour at no extra cost to the YGS.

THE MARINE PERMIAN CARBONATE ROCKS OF THE ZECHSTEIN IN NORTHEAST ENGLAND

Leader: M. J. Mawson

Meet: 9.30 on Sunday 19th June 2004

Place: Former Easington Colliery

The marine Permian carbonate rocks of the Zechstein in northeast England, still widely known as the Magnesian Limestone, are the subject of this fieldtrip. The Zechstein is a thick package of cyclic carbonates and evaporites that contains a variety of unusual and fascinating rock types deposited in a vast, almost landlocked sea in a hot, arid climate. Outcrops visited will demonstrate the various lithologies and large-scale geometry of the first cycle or Z1 reef; collapse breccias, spectacular rocks produced by the dissolution of evaporites, will also be examined and their timing discussed. The trip is in the form of a circular walk (~ 5 miles) during which a number of outcrops along a beautiful and seldom visited part of the Durham coast will be examined; a vast, disused, quarry will be visited also. There is plenty of interest for the amateur botanist and ornithologist as well! Stout footwear and refreshments will therefore be required. Meet at the car park on the site of the former Easington Colliery (grid reference NZ438442) at 9.30am; to get there: approach via the A19, turn off at Easington and take the B1283 for Easington Colliery. The trip will finish around 4pm.

Contact M.J.Mawson@durham.ac.uk for further details.

DINOSAUR TRACKS FROM THE MIDDLE JURASSIC ROCKS OF YORKSHIRE

Leaders: Mike Romano & Martin Whyte, University of Sheffield

Meet: 11.00 on Saturday 24th July 2004

Place: Sea Life Centre - just N of Scarborough (Map ref: 036 907).

It is reached via Scalby Mills Road. Parking is by 'Pay & Display', but cars can be parked (free) on the road before you get to the parking area. We shall be working in Scalby Bay which is reached from the cliff path via a narrow (often muddy) steep path. We will spend all day on the beach, so participants should ensure they are well protected (from wind and rain - just in case) and take lunch with them. Stout footwear is recommended. The going varies from sandy, to pebbles/boulders to wave-cut platform. None of it is hard, but people should be prepared. As usual, hard hats are recommended if people wish to work near the cliff face.

The day will be spent looking for dinosaur tracks in the non-marine, Middle Jurassic, Scalby Formation. Participants will be guaranteed to find tracks, and the rocks have yielded a range of tridactyl (three-toed) as well as large pad-like sauropod prints. More rarely, trackways in excess of 20 m in length have been recorded. The tracks occur in a variety of facies, all siliciclastic (mudstones/shales/siltstones/sandstones/palaeosoils), and those participants with an interest in sedimentology will have plenty to interpret. Invertebrate trace fossils and plant fossils provide additional interest.

GLACIAL ERRATICS OF HOLDERNESS

Leader: Mike Horne

Meet: 11.00 on Sunday 8th August 2004

Place: Keyingham Quarry

Joint meeting with Hull Geological Society.

The meeting will demonstrate, and allow members to collect examples of, the fascinating variety of glacial erratics that are preserved in the gravels and tills of Holderness. They include locally-derived Jurassic and Cretaceous rocks and fossils; granites such as the distinctive Shap Granite brought across the Pennines from Cumbria; and many Scottish and Scandinavian rock types, such as Permian lavas (rhomb porphyrys) from the Oslo district of Norway. The smaller pebbles on the Holderness beaches include cornelians and agates.

This excursion is suitable for beginners.

Meet at the old gravel quarry at Keyingham at 11 am. Directions - travelling from Hull to Keyingham on the A1033 - the gravel pit is on the left hand side of the road between the 40 and 30 mph speed limit signs as you approach the village. NGR TA243253 (approx). We will go to a location on the coast in the afternoon. Bring a packed lunch. Hard hats and sensible footwear advised.

For further information about Yorkshire's Ice Age Coast visit

<http://www.fortunecity.com/greenfield/ecolodge/60/holdhome.htm>

GEOLOGY OF THE AREA AROUND SCUNTHORPE

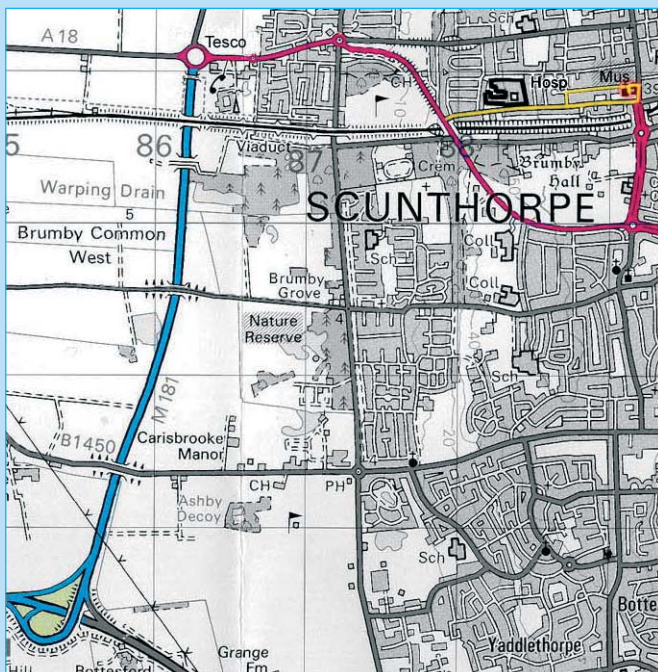
Leaders: John Aram and Steve Thompson

Meet: 10.00 Saturday 25th September 2004

Place: Scunthorpe Museum

Saturday 25th September, meet at 10 am at Scunthorpe Museum (Grid ref. SE 892108), which is found at the road junction 100 yards west of Scunthorpe train station.

This field trip will offer the chance to examine the Jurassic geology of the area around Scunthorpe and will involve visits to Conesby and Crosby Warrens with a chance to collect some of the world famous Lower Jurassic Frodingham Ironstone fossils from the rock store at Conesby. There will also be a visit to Scunthorpe Museum to examine the extensive collections of local fossils.



FIELD TRIP SAFETY ISSUES

1. The YGS takes the safety of its members extremely seriously. However, attendees of field meetings must also take responsibility for their own and other participants' safety. In order to ensure the safety of all participants the YGS reserves the right to limit or refuse attendance at field meetings.
2. You must declare to the field trip leader, at the start of the field trip, any disabilities or medical conditions that may affect your ability to safely attend a field meeting.
3. Inform the leader if you leave the meeting early.
4. The Leader is not expected to provide First Aid - ensure that you have adequate supplies for your own needs.
5. Wear appropriate clothing and footwear for the locality and time of year. Anticipate potential changes in weather conditions.
6. Children must be accompanied and supervised by a responsible adult at all times.
7. The Leader's decision is final on any matters relating to this field meeting.

NEW MEMBERS FOR MEETING 20 MARCH

Miss Rachel Dixon
Leeds

Dr Matthew D Jones
Plymouth

HELP STILL NEEDED!

We still seek volunteers to help the Society in various ways. In our last circular (516) we sought replacements for our Treasurer and our Programme Secretary. Since then Trevor Morse, our General Secretary, has offered to take over the role of Treasurer if someone else would like to become General Secretary. So, if the thought of looking after our money deterred you, how about volunteering to become General Secretary instead? We would welcome volunteers for either position. In addition, the role of Programme Secretary could be split between two people, one looking after the indoor programme and the other the field meetings. So do please consider volunteering. If you would like to know more about any of these positions then please contact Trevor Morse (address at the end of this circular).

STILL MORE HELP NEEDED

Following on from Pete's plea for help in running the society. If you feel you would like to help out on an occasional basis, why not become a reviewer? The Yorkshire Geological Society receives various geologically based publications that the publishers would like our comments on. Why do they want comments from the YGS? Because we are one of the foremost geological societies in the UK and you can help maintain that position by offering your critical opinion on any of the following publications. These are offered on a first come first served basis.

BGS publication

Geology of the Ringwood District, A5, 32 pages

BGS publication

Cainozoic Geology & Landscape Evolution of N-E Scotland, A4 size, 178 page + CD

GSNI publication

The Geology Of Northern Ireland, 180 x 260 mm, 318 pages

The above books are looking for reviewers now. All that is needed is a balanced review and description, after that you keep the book for *free*. Your comments on the publications would not be required until September, unless you can do it sooner. Contact your Circular Editor if you can help - details on page 12.

CORRESPONDING SOCIETIES - FIELD TRIPS 2004

Contact society representatives for the latest information.

CRAVEN & PENDLE GEOLOGICAL SOCIETY

Yvonne James. Tel: 01282 813 772 or www.cpgs.org.uk

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| The Geology of the Ingleton Waterfalls
Leader: Paul Kabrna C.Geol. | Sunday, 16th May |
| Quarrying in the Millstone Grit Group around Stacksteads in the Rossendale Valley
Leader: Arthur Baldwin | Saturday, 26th June |
| Jurassic rocks of Runswick Bay, near Whitby
Leader: Will Watts BSc.(Hons). | Saturday, 21st August |
| Almscliff Crag and Brimham Rocks
Leaders: Paul Wignall Ph.D. and Bob Perris BA. BSc. | Saturday, 25th September |

CUMBERLAND GEOLOGICAL SOCIETY

Nigel Courtman. Tel: 01229 861 478 or www.cumberland-geol-soc.org.uk

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| Sale Fell (Minette Intrusion & Skiddaw Group) - 7pm
Leader: David Livesey (CGS). NY192302
(just east of St Margaret's church, footpath to fell) | Wednesday May 5th |
| The Coal Measures south of Whitehaven Harbour - 7pm
Leaders: David Kelly & John Brown (CGS). NX 967183
(beach car park - small charge) | Wednesday May 19th |
| The Submerged Forest on Allonby Beach - 7pm
Leader: Fred Lawton (CGS). NY 081439
(sea front car park north end of Allonby) Walking on wet beach | Wednesday June 2nd |
| The Namurian Rocks & Mineralisation around Alston - 10.30am
Leaders: Charlotte Vye & Stu Clarke (BGS Edinburgh). NY 71874650
(Market Cross, Alston village centre, use village centre car parks) | Saturday June 5th |
| Force Crag Mine, Coledale, near Keswick - 6.45pm
Leader: Penny Webb (National Trust). NY 271223
Booking essential, numbers limited to 15 persons. There will be a charge of £5 per person.
To book contact Alan Smith (017687 71068) alan@riggside.fsnet.co.uk | Wednesday June 23rd |
| The Borrowdale Volcanics of Upper Wasdale and Illgill Head - 10.30am
Leader: Alan Smith (CGS). NY 182074 (campsite car park at head of Wastwater) | Saturday July 3rd |
| The Howk, Caldbeck - 7pm
Leaders: Anne Freeland & Susan Beale (CGS). NY 323399 (village car park, Caldbeck, near pond) | Wednesday September 15th |

EAST MIDLANDS GEOLOGICAL SOCIETY

John Wolf e-mail sec@cmgs.org.uk or www.emgs.org.uk

HUDDERSFIELD GEOLOGY GROUP

Julie Earnshaw (Secretary). Telephone: 01484 311 662 or e-mail: earniehome@ntlworld.com

HULL GEOLOGICAL SOCIETY

Mike Horne. Tel: 01482 346 784 (after 7.30 pm)
or e-mail: m.j.horne@hull.ac.uk or www.go.to/hullgeolsoc

LANCASHIRE GROUP OF THE GEOLOGISTS' ASSOCIATION

Norman Catlow. Tel: 01772 727 577 or e-mail: norman@catlow4736.freemove.co.uk

LEEDS GEOLOGICAL ASSOCIATION - 130th ANNIVERSARY PROGRAMME 2004

Anthea Brigstocke (General Secretary). Telephone: 01904 626 013.
E-mail: abrigstocke@hotmail.com or www.leedsgeolassoc.freemove.co.uk

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| Quaternary Exposures in the Selby Sheet Area:
a demonstration of geological mapping techniques - Saturday Daytime
Jon Ford, BGS Keyworth | 15 May 2004 |
| Ogreave Reclamation Site, Rotherham:
coal extraction, processing and site reclamation - Thursday Evening
Derek Harrison, Site Manager, UK Coal | 20 May 2004 |
| Classic Exposures in Wensleydale and Wharfedale:
a celebratory field visit by coach - Saturday Daytime
Tony Benfield & John Varker | 12 June 2004 |
| A1(T) Road Project, Darrington - Hook Moor:
new Permian exposures and road construction - Thursday Evening
Carley Scott, RMG Construction | 1 July 2004 |
| Clapham and surrounding localities: a celebration of the LGA's
first field visit made on 11 July 1874 - Sunday Daytime | 11 July 2004 |
| Residential Weekend Based in Edinburgh:
classic geological localities of the region
David Stephenson & colleagues BGS Edinburgh | 23 July 2004 - 25 July 2004
Friday - Sunday |
| The Northern Lake District - Sunday Daytime
Eric Johnson | 26 September 2004 |

LEICESTER LITERARY & PHILOSOPHICAL SOCIETY

Chairman: Andrew Swift. Tel: 0116 252 3646. as48@le.ac.uk

MANCHESTER GEOLOGICAL ASSOCIATION

Jane Michael. Tel: 0161 366 0595, e-mail: jammyjane@aol.com or www.mangeolassoc.org.uk

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| Venue: British Geological Survey
Leader: David Bailey. Time: 10.30 am. Location: BGS, Keyworth, Nottingham | Friday 21 May 2004 |
| Venue: Hurstwood, Burnley
Leader: Iain Williamson. Time: 10.30 am
Location: Hurstwood (Car Park just beyond village) near Burnley Grid Ref SD882313
Description: This will be a day walk - 10 miles of which 5 miles will be on areas of rough moorland, sometimes wet and with about 600 ft of ascent. | Sunday 20 June 2004 |

MANCHESTER GEOLOGICAL ASSOCIATION *continued*

Venue: Arnside and Silverdale - Joint excursion with the Open University Geological Society Sunday 8 August 2004

Leader: M. Dewey/Mike Balderstone. Time: 10 am

Location: Meet at the Newbarns Caravan Site, Arnside (park on left hand side) GR SD44357780 Landranger 97

Description: The trip is an investigation of the Deventian limestone. The morning will comprise a 3 - 4 mile walk and after lunch the distance will be less than a mile.

Venue: Lyme Park, Disley Sunday 12 September 2004

Leader: Paul Selden. Time: 10am. Location: Meet at Main National Trust Car Park, Lyme Park

Description: Details in June Newsletter. Contact: Jane Michael

Venue: Macclesfield Sunday 26 September 2004

Leader: Fred Broadhurst. Time: TBA. Location: Macclesfield

Description: Macclesfield Building Stones walk. Contact: Jane Michael

Please ring Jane Michael 0161 366 0595 if you intend to come along on any of these excursions. If anyone wishes to know about the Risk Assessment for any event, please contact Jane Michael by email: jammymichael@aol.com

NORTH EASTERN GEOLOGICAL SOCIETY

Frank Trowbridge. Tel: 01642 582 786, e-mail: frank.trowbridge@care4free.net or www.northeast-geolsoc.50megs.com

Tynemouth to Seaton Sluice coastal traverse. 23rd May 2004

WESTMORLAND GEOLOGICAL SOCIETY

Mrs P. M. Wilson. Tel: 01539 533 198 or www.wgso.fsnet.co.uk

Geology of Pembroke (Summer Excursion) 14th to 19th May 2004

Please contact Mike Balderstone for details on 01524 736599

Summer Jacob's Join at 'Town End', Gleaston (SD 256 708) Wednesday 9th June 2004

Geology and Building stones in Coniston and Yewdale region Sunday 20th June 2004

Leader: Murray Mitchell - WGS

Meet at Tourist Information Centre car park Coniston (SD 303 976)

Mineralisation in Coniston copper mines Sunday 11th July 2004

Leader: Brian Young - BGS. Meet at Ruskin Museum, Coniston (SD 300 977)

Carboniferous limestone and mineral spoil heaps of the Caldbeck Fells Sunday 25th July 2004

Leader: Judy Suddaby. Meet at Caldbeck village car park (NY 323 399)

Geology of the Craven Basin, Trough of Bowland Sunday 22nd August 2004

Leader: Dr. Neil Aitkenhead. Meet at Fell House car park, Beacon Fell (SD 565 427)

The Permo-Triassic Basin at Kirkby Stephen Sunday 5th September 2004

Leader: Dr. Colin Rowley - WGS. Meet at Kirkby Stephen car park (NY 773 089)

Geology of Dufton Pike region Sunday 26th September 2004

Leader: Dr. Trevor Morse. Meet at Dufton car park (NY 688 251) Note early start 10:00 AM

YORKSHIRE REGIONAL GROUP OF THE GEOLOGICAL SOCIETY

Isla Smail. Tel: 0113 242 8498, e-mail: isla.smail@arup.com

SUBMISSION OF PAPERS

Manuscripts for publication in the Proceedings should be submitted to *'The Editors, Proceedings of the Yorkshire Geological Society, Geological Society Publishing House, Unit 7, Brassmill Lane Enterprise Centre, Brassmill Lane, BATH, BA1 3JN'*. Typescripts should be prepared using the updated instructions for authors given on the inside back cover of the latest issue (Volume 54 Part 4, November 2003).

Publication of manuscripts may be expected in the next, or next but one part, following acceptance. As a result of the change in publishing arrangements the proceedings will be abstracted and/or indexed in, *GeoArchive, GeoRef, Geobase, Geological Abstracts and Mineralogical Abstracts, Research Alert and Science Citation Index Expanded (SCIE)*.

COPY FOR CIRCULAR

Copy deadline for Circular 518 is the 10th September. The next indoor meeting will be held on the 16th October 2004 in Scarborough at the University of Hull's Scarborough Campus. Title: William Smith and Early Geologists on the Yorkshire Coast. There will be a half day excursion on the following morning.

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