

The Ussher Society
Geoscience in South-West England
54th Annual Conference
Paignton, Devon
2nd - 5th January 2015

Second Circular

The Ussher Society 54th Annual Conference will be held at the **Redcliffe Hotel**, Paignton, Devon. This three-day conference for geoscientists with an interest in south-west England and related areas, includes two days of presentations and a day of field excursions.

Delegate List

We propose to include a Delegate List, with e-mail contacts, in the Abstract volume. If you **do not wish** to be included in this list, please e-mail the Conference Secretary jenny.a.bennett@open.ac.uk as soon as possible to request that your details are omitted. **Thank you.**

Conference Programme

Friday 2nd January

17.30 to 20.00
From 18.30

Registration/collection of conference packs at the Redcliffe Hotel
Icebreaker reception at the Redcliffe Hotel kindly sponsored by **IGI Ltd.**

Saturday 3rd January

Registration will be available from **08.30 to 09.00**; followed by an introduction by the Chair, Prof. Tony Brown, and then the oral presentations. **The Scott Simpson Lecture**, entitled “**Quantifying the Variscan**” will be presented by **Chris Cornford** (IGI Ltd. and President of the Devonshire Association). Poster contributions will be available to view during tea/coffee/lunch breaks throughout the day.

The **Annual General Meeting** of the Society, to which all members are invited, will be held at the end of the afternoon session. Items for inclusion on the Agenda, or major items for discussion under Any Other Business, should be submitted to the Acting Secretary, Dr Louise Hollick, secretary@ussher.org.uk well in advance of the meeting. Following the AGM, there will be an opportunity to buy drinks in the hotel bar, prior to the Conference Dinner at 20.00 at the Royal Hotel.

Sunday 4th January

Opportunity to **register** will be available from **08.30 to 09.00**; the oral presentations will start at **09.00**. Poster contributions will remain available for viewing during refreshment breaks, until the end of the afternoon session.

The provisional programme of oral presentations is attached: the programme is now full, but it is still possible to accommodate poster contributions. If you would like to include a poster contribution, please contact the Conference Secretary as soon as possible.

Monday 5th January

All delegates attending the conference are warmly invited to join the planned fieldtrip on Monday 5th January. We are planning one excursion led jointly by Richard Gould (Frederick Sherrell Ltd.), Sarita McVicar Wright and Richard Scrivener, on Geological and Engineering aspects of the Torbay coast. **Prior booking is essential for insurance purposes**, so please indicate your intention to attend the fieldtrip on the registration form.

Post Conference Field Trip:

Geological and engineering aspects of the Torbay Coast

Leaders: Richard Gould (Frederick Sherrell Ltd.), Sarita McVicar Wright (CSM, University of Exeter) and Richard Scrivener (Consultant)

Details: The excursion will depart from the Redcliffe Hotel at 09.30, when a field guide giving details of the localities to be visited will be issued to participants. During the morning, it is hoped to include Roundham Head, Preston Sands and Livermead Head, travelling by car between localities. Lunch will be in a pub at Babbacombe, followed by a visit to Oddicombe and Petit Tor Downs to examine the spectacular cliff failure. Stout boots, hard hats and cold weather clothing recommended – please be mindful that it will be in early January.

Conference venue: Redcliffe Hotel, Paignton



Please note that it is your responsibility to make arrangements/payment for accommodation that you require before, during and after the conference.

Conference Venue is The Redcliffe Hotel, 2, Marine Drive, Paignton, Devon. TQ3 2NL
The Redcliffe Hotel is located on the cliff and overlooks the sea, with spectacular views of Torbay. Free car parking is available at the hotel. The nearest train station is Paignton (approx 15 minute walk or 5 min drive). Taxis should be available at the station. Full details of the accommodation are available at: www.redcliffehotel.co.uk

Ussher Society Conference 2015 Rates

£48.00 per person per night (flat rate) on a Bed & Breakfast basis
A deposit of £50.00 per person will be required to secure any booking made

We have negotiated special rates, so **please mention the Ussher Society Conference 2015** when booking. Demand for rooms is likely to be high so early booking is strongly recommended. The hotel can be contacted on 01803 526397, or by email: rdclife@aol.com **although the Hotel have indicated they would prefer to be contacted by phone to clarify individual requirements**

Alternative accommodation can be found via: www.paignton.com

Provisional Programme

Saturday 3rd January 2014

09.00 – 09.10	Introduction from the Chair	Tony Brown
09.10 – 09.35	A study of a candidate GSSP for the base of the Oxfordian Stage of the Jurassic system near Weymouth	Kevin Page et al
09.35 – 10.00	Squid 'ear bones' (statoliths) from the Jurassic succession of South-west England	Malcolm Hart et al
10.00 – 10.25	A new section in Late Devonian cephalopod-rich pelagic sediments in south Devon	Ian Smith, Kevin Page and Helen Hughes
10.25 – 11.00	Coffee	
11.00 – 12.00	Scott Simpson Lecture Quantifying the Variscan	Chris Cornford
12.00 – 12.25	Early Devonian rift-related felsic igneous rocks in the western Looe Basin	Louis Penfound-Marks and Robin Shail
12.25 – 12.50	New P-T constraints on peak metamorphism and crustal melting during emplacement of the Lizard Complex: implications for formation of the Kennack Gneiss	Robert Buchanan
12.50 – 14.00	Lunch	
14.00 – 14.25	Fluid and quartz evolution during ascent and emplacement of the Land's End Granite	Kristian Drivenes, R.Larsen, A.Muller and B. Sorensen
14.25 – 14.40	Ar ⁴⁰ /Ar ³⁹ evidence for the age of the Torbay Breccia Formation: implications for chronostratigraphy and the history of felsic igneous activity in the region	Richard Scrivener, Sarita McVicar Wright, Sid Hemming and Elaine Burt
14.40 – 15.05	Resolving the Regional context of the Corbyn's Head Member using automated mineralogy	Sarita McVicar Wright et al
15.05 – 15.30	The origin of the late-Variscan lamprophyres of South-west England	Callum Hatch, Arjan Dijkstra and Kevin Page
15.30 – 16.00	Tea	
16.00 – 16.20	Unusual iridescent ammonites from the Charmouth Mudstone Formation east of Lyme Regis, Dorset	Chris Paul, C. Andrews and P.Howe
16.20 – 16.40	New records of fossils from near Lyme Regis, Dorset	Chris Paul, C. Andrews and P.Howe
16.40 - 16.55	How do you tell the difference between sandstone from the Crackington Formation and that from the Bude Formation in buildings?	Mike Barr
16.55 – 17.10	A proposal for an archive of photographs, showing features of geological interest in the china clay pits	Colin Bristow
17.30	AGM	
20.00	Conference Dinner	

Poster presentations:

Frank Howie: The re-opening of Dean Quarry on the Lizard, Cornwall

Anita Carey: Water/substrate interaction and the bioaccessibility of As, Cd and Pb at Devon Great Consols

Sunday 4th January 2014

08.30 – 09.00	Registration for day delegates	
9.00 – 9.25	The Tellus South-west survey: an assessment of preliminary applications and future research potential	Chris Yeomans, Robin Shail and Paul Lusty
09.25 – 09.50	Tellus SW - initial tales from a user: lamprophyres, granites, elvans and mineralisation	Charlie Moon
09.50 – 10.15	Targeting kaolin deposits with discrete fracture networks	Rachel Tierney, Hylke Glass and Richard Scrivener
10.15 – 10.45	Coffee	
10.45 – 11.10	Comparison between implicit and explicit modelling at the Blackpool China Clay pit, St Austell	Luke Palmer and Hylke Glass
11.10 – 11.35	New information on the Severnside Levels	Alan Cattell
11.35 – 12.00	Difficult ground conditions in faulted Permian strata for a gas pipeline beneath the Exe Estuary	David Roche and Deryck Laming
12.00 – 12.25	Development of a low enthalpy energy system in the Clyst Sandstone Exeter	David Birks, Paul Younger, Geoff Parkin and Catherine Coutts
12.25 – 14.00	Lunch	
14.00 – 14.25	Groundwater in the Cardinham Water catchment, a tributary of the Fowey system	Robin Hazell
14.25 – 14.50	The Burtle Beds revisited: new dates and palaeoenvironmental interpretations	Tony Brown et al
14.50 – 15.15	Quaternary landscape change and hominim occupation in the Avon Valley, Hampshire	Ella Egberts
15.15 – 15.40	Foraminifera from the Fowey Estuary, Cornwall	Malcolm Hart et al
15.45 – 16.15	Tea	
16.15 – 16.40	Observations on several historic and modern excavations in the Chalk around Frampton, Dorset	Doreen Smith
16.40 – 17.05	Manganese mining and mineralisation to the north of Exeter	John Mather and Richard Scrivener
17.05	Close	

CONFERENCE BOOKING FORM
The Ussher Society 54th Annual Conference
Redcliffe Hotel, Paignton, Devon 2nd - 5th January 2015

NAME:

Name for Conference badge:

ADDRESS:

Telephone:

Mobile:

E-mail:

To reduce costs we shall use email for contact where possible

I wish to register for the conference as follows *(please tick where appropriate)*

Standard conference delegate

Both conference days (3rd - 4th January) @ £56

Friday 3rd January only @ £30

Saturday 4th January only @ £30

Full-time student delegate

Both conference days (3rd - 4th January) @ £32

Friday 3rd January only @ £17

Saturday 4th January only @ £17

N.B. Registration includes morning / afternoon tea /coffee and buffet lunch

Please indicate any special dietary requirements e.g. vegetarian/gluten free

Conference Dinner on Saturday 3rd January. @ £28.00 per person for 3 courses and coffee, in the Paris Singer room at the Redcliffe Hotel.

I /we wish to attend the Conference Dinner @ £ 28.00 per person =

I prefer/require vegetarian meal (please indicate if more than one)

Field Excursions – 5th January 2015

Geology and Engineering Aspects of the Torbay coast with Richard Gould, Richard Scrivener and Sarita McVicar Wright

Please give names of those wishing to attend:

Cheques should be made payable to **The Ussher Society Conference**.

Please return the conference booking forms and payment to:

Dr Jenny Bennett, Ussher Conference Secretary 2014, 4 Crockernwell Court, Crockernwell, Exeter EX6 6NA

E-mail: jenny.a.bennett@open.ac.uk