



LIVERPOOL GEOLOGICAL SOCIETY

NEWSLETTER

14/11/2017

Your first visit to an LGS meeting?

If you are unsure about finding Lecture Theatre 137 in Liverpool John Moores University, Byrom Street there will be someone in the entrance hall until 7.20pm on the evening of the lecture to show where we meet.

Tea/ coffee before the indoor meetings

Please note that we are having difficulties gaining access to fresh water to make refreshments at the front of the lecture theatre prior to the lecture. Please note that in term time, Starbucks Coffee Company, Byrom Street should be open until 7.00pm during the week.

November 21

Joint Meeting with the Herdman Society at University of Liverpool

Dr Roger Suthren University of Derby

Geology of Wine – Languedoc, France

7.30 pm in the Herdman Lecture Theatre, Jane Herdman Building, Brownlow Street (Off Pembroke Place)

You will need to have purchased a ticket to attend this lecture.

Languedoc-Roussillon is the largest wine-producing region in the world. Its varied geology and structure provide a great range of terroirs and microclimates for vine growing, resulting in a broad range of wine styles. Two E-W trending mountain belts – the Pyrenees in the south, and the Montagne Noire-Cévennes in the north - are separated by the Languedoc Foreland Basin, filled by Late Cretaceous to Eocene continental and shallow marine sediments. Basin sediments were involved in N-S compression during Pyrenean mountain building: the resultant E-W ridges and valleys are exploited for viticulture. Post- Pyrenean sedimentary basins and Quaternary volcanoes provide added interest. Superb outcrops and scenery, and excellent regional museums, as well as fine wines, make for instructive and memorable field experiences.

Go to the following site to get information about how to find the Jane Herdman Building.:

<http://www.liv.ac.uk/earth-ocean-and-ecological-sciences/contacts-and-finding-us/>

There is a visitors' car park immediately outside the Jane Herdman Building. The entrance to this car park is off Pembroke Place (details are shown on the university map). Unfortunately, you have to pay to park on campus. You get a ticket at the car park barrier as you enter the car park and before you leave you feed this ticket in the pay kiosk and pay for the time you've stayed in the car park.

Approximate parking charges are £1/hour.

November 28

Patrizia Onnis - Liverpool John Moores University

meeting at 7.30pm in Lecture Theatre 137, of Liverpool John Moores University, Byrom Street L3 3AF

The geology of Sardinia: from the edge of the Gondwana to the center of the Mediterranean Sea

Geologically Sardinia is a complicated "puzzle" of limestone, granite and basalt stretched and compressed during the geological time. The geological map looks really colorful and each Sardinia region tells us a story of endogenetic strengths smoothed by a continuous weathering. Starting from the edge of the Gondwana, it moved with the Iberian and Eurasian plates taking part in the Pyrenean Alpine and Apennine orogenesis. In this talk I want to take you on a trip to Sardinia, stopping in some wonderful places which reveal to us key clues to solve this geological puzzle.

Tuesday 5th December 6.45 - 9.00 pm

**Reefs and Rocks (sitting on the seafloor and coping with environmental change).
A practical session with Jim Marshall and Maggie Williams
at the Central Teaching Laboratories University of Liverpool**

Reefs are, and have been, important marine ecosystems. They are sensitive to evolution and environmental change and build geologically important bodies of rock. We are familiar with modern shallow water reefs with wave-resistant structures that are dominated by corals and green algae. In the past 'reef rocks' have, at times, been formed in different settings and by extinct groups of corals, sponge-like organisms, bivalves, microbes and mud. Reef deposits and the fossils in them come in many shapes and sizes. Reef-producing organisms cannot move but they can adapt to local events, from hurricanes to sea-level change. This session will start with a talk about reefs now and in the past. Participants will then have the chance to examine some beautiful specimens of Silurian fossils and rocks from Wenlock Edge in Shropshire and be able to discover how the shape of the colonies changed in response to environmental pressures. We will conclude by examining seismic sections of much younger reef reservoir rocks from the Far East that can be interpreted using the understanding that we have gained from our hand specimens.

Meet at the entrance to the CTL (by the green wall) at 6.45 - prompt please .

The session will be held in the 'Environment Lab' on the first floor.

The Number of Participants will be limited

To book a place: please email or phone

Jim Marshall (isotopes@liv.ac.uk ; 0757 060 5659)

FIRST COME, FIRST SERVED.

A map showing the location of the Central Teaching Laboratories is available on the front page of the Liverpool Geological Society website:

www.liverpoolgeologicalsociety.org

The nearest public car park to the Central Teaching Laboratories is opposite the Metropolitan Cathedral on Mount Pleasant.

CONTACTS

To make contact with officers of the society, please use the addresses given here.

This information is also available on the contacts page of the website at:

www.liverpoolgeologicalsociety.org

Money and membership:

Mr Gary T Billington
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Indoor meetings:

Chris Hunt at:
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Excursions:

Maggie Williams at:
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Other matters:

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