



**FLOWERS, FOSSILS,
and FANTASTIC**

LANDSCAPES of

ENGLAND AND SCOTLAND

LONDON, 3 NIGHTS // LYME REGIS, 4 NIGHTS // EDINBURGH, 5 NIGHTS // ISLE OF ARRAN, 3 NIGHTS // GLASGOW, 1 NIGHT

SEPTEMBER 10 – 27, 2015 COST \$4200 + air (add \$68 for opt. last night)

Join **Geo Prof Richard Little's "Fantastic landscapes"**

tour though the rich history and geology of England and Scotland. We will have visits to world-class and historically important geology sites, plus castles (like **Edinburgh Castle** pictured to left), gardens, museums, coastal trails and towns. **We have 3 local experts leading our group to the best places on our English and Scottish explorations. YOU WILL EXPLORE lots of great natural and historic sites, including castles and gardens, walk coastal trails, collect some fossils if you wish, and experience England and Scotland in a relaxed and fun atmosphere (14 participants).**



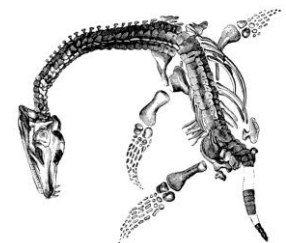
Itinerary Overview (NOTE: most people will have an overnight flight on Sept. 10)

1. Friday, Sept. 11 Arrival Day (overnight flight on Sept. 10) Lodging will be in a 4 star hotel, the Hilton Double Tree in the Westminster section of London, close to W. Abbey & Big Ben . ---- We will plan a group get together for later in the day.----

Day 2 - 3. Saturday, Sept. 12., Sunday, Sept. 13. Free Days to Explore London. Group activity options will be discussed. **Day 4 Monday, Sept. 14. Depart**

London at 9 am for **Stonehenge** and our historic coastal town for the next 4 nights, **Lyme Regis**. Travel time = 3 hours. Lyme Regis is a rural, scenic, and historically important coastal town. Lodging: Mariners Hotel - a short walk to beach and harbor.

Days 5– 6 -7 Tues./Wed./Thurs, Sept. 15 – 17. Explore England's scenic "Jurassic Coast", a World Heritage Site. **Our guide is Chris Pamplin noted geologist-educator, for the next two days with a free day on the 17th** to explore on your own. Chris' 2 days will take us to a great variety of scenic, historic and geologically impressive sites. Lyme Regis is located central to our touring. We return here each night . LR is the home of the world's most famous fossil collector: Mary Anning (1799-1847). She collected Jurassic sea shells and also the first marine reptile fossils (like her Plesiosaur, to right) along the eroding coastal cliffs where you will also explore and find (and collect) 200 million year old Jurassic specimens, like the



ammonite “squid” fossil at top of the previous page (center). **Day 8 Friday, Sept. 18.** Depart at 9 am for our flight to Edinburgh, with lodging at the Hilton Double Tree hotel, centrally located near gardens, museums plus Arthurs Seat and Edinburgh Castle (pictured front page).

Day 9 Saturday, Sept. 19 & Day 10 Sunday, Sept. 20. “no-bus” days. There’s lots to explore in Edinburgh! Geology – History – Shopping! Arthur’s Seat (old volcano) and Edinburgh Castle are nearby, less than a mile from and overlooking the city center. On Sunday we will have the morning Angus (a walk from our hotel to Arthur’s Seat) and a free afternoon for more adventures in this fascinating city.

Day 11 Monday, Sept. 21. Siccar Point and the East Lothian Coast “Geowalks” Angus Miller will be our companion for the next 2 days! He will guide us through some of the world’s most

The Hutton Unconformity....the first proof of “deep time” Scale: bottom edge of picture is 10 feet across



amazing scenery and geological history seen in Scotland. Today we journey to Siccar Point and the **most historically famous outcrop in the world: James Hutton’s “unconformity”**. Then lunch in Dunbar, a harbor town on the estuary of Firth of Forth that was the home of John Muir (now a museum). Along the coastal cliffs are volcanic pipes and an interesting array of sedimentary formations similar to our Pennsylvania. The final stop of the day will be the pretty seaside town of North Berwick. Overnight in Edinburgh. **Day 12 Tues., Sept. 22. St. Andrews** – We will bus to a coastal walk to view volcanic vents,

igneous intrusions, and beautifully folded sedimentary rocks, all formed in Carboniferous times when the centre of Scotland was a subsiding rift valley. There will also be time to enjoy the historical interest of St Andrews town. Overnight in Edinburgh. **Day 13 - 15 Wed. - Fri., Sept. 23-25.**

Travel to the **Isle of Arran** with 3 nights lodging at the Auchrannie Resort. It is a 3 hr. bus ride to the ferry, and then about an hour to get to Arran. The



Arran's Northern hills

island of Arran hosts a superb range of rock types plus wonderful gardens and a few castles, too. It is a world class geological location with fascinating outcrops ranging from volcanic sills and dikes, to Hutton’s unconformity, and glacial features, plus marine terraces, too. Really fantastic landscapes! We will have a mini-bus with guide for 2 days. **Day 16. Sat. Sept. 26, Ferry and bus to Glasgow, (with short city tour)** with an **optional overnight** (Holiday Inn – airport) or arrange your plane flight for late this evening. **Day 17, Sunday, Sept. 27.** Return flight (for most people)

TOUR COST \$4200 per person. This includes: 4-star accommodations (with breakfast), bus transport, three local consultants and your tour leader. Video record of trip. Guidebook. Pre and Post trip meetings. **NOT INCLUDED:** airport transfers, air fares, food, admissions, and tips for consultants and driver. This trip will have a maximum of 14.

TO RESERVE YOUR SPACE: Send **\$500 deposit** per person, **fully refundable**.
Payment schedule: \$2000 due May 1st. Balance due August 1st. **Cancellation fees:** \$100 per person after May 1st. **No Refunds after Aug.1, 2015 except as allowed by hotels.**

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