



**American Association of Petroleum Geologists Eastern Section Meeting
September 25-28, 2011
Hyatt Regency, Crystal City
Arlington, Virginia**

POST-MEETING TRIP

The early Mesozoic Culpeper basin, Virginia and Maryland

The Culpeper basin deposits occur in one of a series of rift-basins along the eastern margin of North America that comprise the Newark Supergroup. The basins formed during the initial extensional period that ultimately led to opening of the Atlantic Ocean. This one-day field trip will visit a series of outcrops that illustrate the stratigraphic succession of fluvial and lacustrine facies and their lateral relationships. Topics to be addressed include: 1) The geometry of sedimentary facies and the processes controlling the transition from fluvial to lacustrine sedimentation in a rift basin. 2) Paleoclimatic variability and cyclicity of lacustrine facies. 3) Biostratigraphic evidence for sedimentary onlap and regional unconformities within the Culpeper basin. 4) The southernmost extrusive basalts of the Newark Supergroup and their relationship to the Central Atlantic Magmatic Province.

Date: Wednesday, September 28, 8:00 a.m. – departs from and returns (about 8 PM) to Hyatt Regency Crystal City, Arlington, Virginia.

Leaders: Joe Smoot, Rob Weems, and Bob Milici, US Geological Survey, Reston, VA – jpsmoot@usgs.gov, rweems@usgs.gov, milici@usgs.gov

Fee: Professional and student, \$90 – includes transportation and lunch

Limit: 29 registrants.

The AAPG Eastern Section reserves the right to cancel this field trip if a minimum number of 20 registrations are not received by September 1, 2011. In case of cancellation, all persons who have registered for the trip will be contacted at the email address and phone number provided at the time of registration. Field trip registration costs will be reimbursed. There will be no refunds for cancellation or no show by the registrant after September 15, 2011.