

ESSSA_03: Historic and Prehistoric Earthquakes in Central and Eastern North America

Conveners: John E. Ebel¹ and Martitia P. Tuttle²

¹Weston Observatory, Boston College, ebel@bc.edu

²M. Tuttle & Associates, Georgetown, ME, mptuttle@earthlink.net

Session Description

With scant instrumental data from large earthquakes in eastern North America, improving our understanding of historic and prehistoric earthquakes in the region is of critical importance both for hazard assessment and to develop a synoptic understanding of earthquake processes in the region. This session seeks contributions that add to the knowledge of the pre-instrumental earthquake activity of central and eastern North America and new methods to study pre-instrumental seismicity. We are interested in presentations on pre-instrumental earthquakes that provide new data and analyses on their timing, locations and magnitudes; delineate the ground shaking produced by these events; and provide information on their recurrence times, their sources areas, and the likely fault structure(s) that produced historic and/or prehistoric earthquakes. Presentations that tie recent earthquakes recorded instrumentally to those from pre-instrumental times also are encouraged, as are studies that improve our understanding of early instrumental earthquakes in the region.

Primary Affiliation: Eastern Section - Seismological Society of America

Joint Session Submission: CGU-Solid Earth