**Using Voids to Fill the Gaps: The Stratigraphic and Paleontological Record of Caves**

Sediments and fossils preserved within ancient karst (paleokarst) provide a unique deep-time record. Pennsylvanian paleokarsts from Illinois illustrate the potential of ancient caves as a home for ‘doomed sediments.’ The fossil record of terrestrial vertebrates is strongly influenced by the formation and subsequent erosion of karst landscapes.