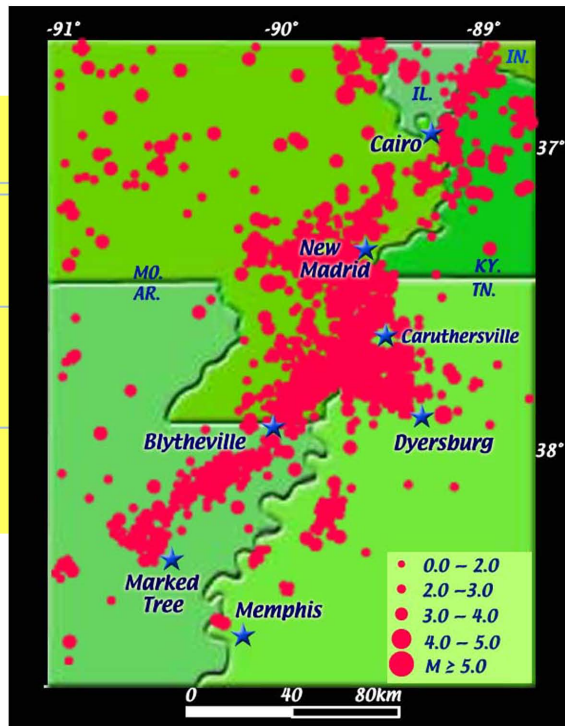
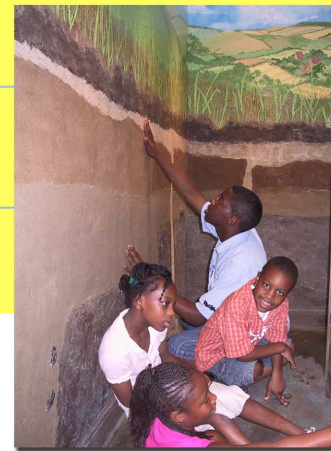
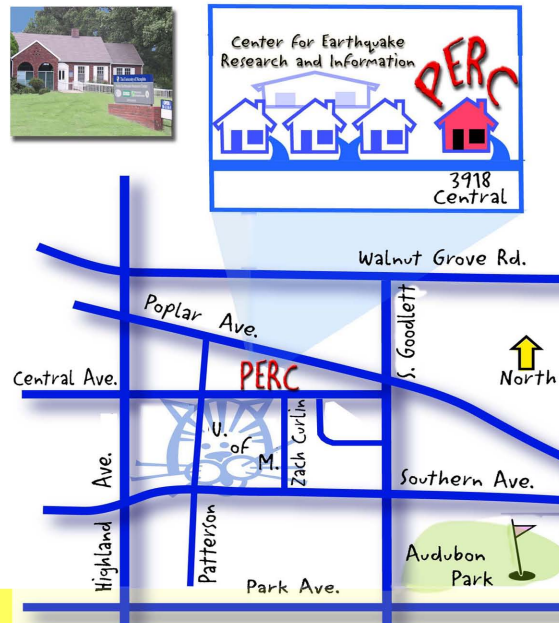


Memphis is 40 miles southeast of the southern tip of the New Madrid seismic zone, the most active earthquake region east of the Rocky Mountains. It produces over 150 small earthquakes yearly.

In the winter of 1811-1812, over 2000 earthquakes occurred in this area. Scientists estimate the magnitudes of the three largest range from 7.5 to 8.2. Some were felt as far away as the Atlantic Coast and Canada. While much of the Mississippi Valley was sparsely settled at that time, historical accounts describe building damage, large ground fissures, landslides, and the creation of new lakes, including Reelfoot Lake, the largest natural body of water in Tennessee.



Although large earthquakes are rare in the NMSZ, recent studies show that large earthquake sequences have occurred in the region about every 500 years since 900 A.D. Through education and appropriate planning, we can make our community safer from the damage large earthquakes can cause.



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THE UNIVERSITY OF
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Rattle & Roll?

Shake

Find out
at
The University of Memphis
Public Earthquake Resource Center

interactive

exhibits

and presentations



The Public Earthquake Resource Center (PERC) has displays on earthquakes and the New Madrid seismic zone. Exhibits include a shake table to test the strength of visitor-made structures, computers showing where earthquakes are happening, and seismic recording drums.



Presentations with interactive elements are available for groups of 10- 40.

Workshops are free and available for up to 40 teachers.

We offer off-site workshops for 20 or more teachers, and teachers may request free educational materials.



contact us for more information!
www.ceri.memphis.edu/perc

PERC Hours: The PERC is open Monday through Friday by appointment. We follow the University of Memphis calendar and are closed on most major holidays.

All activities are free. To request a presentation or schedule an appointment for a group or workshop...
901-678-1723
perc@memphis.edu