

## **Earthquake of the Week Guidance for student presentations**

The purpose of the Earthquake of the Week seminar is to familiarize geophysics students with active earthquake processes around the world. Over time, most active regions of the globe will be discussed providing a coherent review of tectonic processes. The seminar is also an opportunity for participants to develop critical review and presentation skills in a relaxed collegial environment.

Earthquake of the Week is a 1-hour weekly seminar that is divided into two parts. Typically, a different student presents each part. The goal is that each part should last about half an hour. The weekly schedule can be found here: <http://seismo.berkeley.edu/earthquakeOfTheWeek.html> where you can also find pdfs of past presentations and papers. Please email pdf files of presentations and papers to [jennifer@seismo.berkeley.edu](mailto:jennifer@seismo.berkeley.edu) and [clay@seismo.berkeley.edu](mailto:clay@seismo.berkeley.edu) so they can be posted for future reference.

All students are encouraged to talk to their peers as they select papers to review and prepare their presentations. Getting feedback from students who have been presenting in Earthquake of the Week for a number of years will help ensure quality presentations.

Be ready to use the BSL conference room projector. Download the software and test that it is working. Instructions are here: <http://seismo.berkeley.edu/projector.html>

### **Part 1. Recent seismicity and its causes – Target: 30 mins including discussion**

This part of the seminar is also sub-divided into two parts:

#### *1.a Review of global, regional (US), and local (CA) seismicity*

The presenter should review the seismicity occurring in the last week using USGS maps. Specific earthquakes of interest (in unusual locations or with unusual characteristics) should be identified to the group for discussion. The audience will also ask to review specific earthquakes, and the presenter should be able to dig down into the USGS (or other) website(s) to provide additional scientific information.

#### *1.b Summary/review of seismo-tectonics of a specific region*

Following the seismicity review, the presenter should focus in on one earthquake or region to provide a more in depth analysis of the seismo-tectonics of the region. If there has been an earthquake of particular interest in the last week that is one possible topic. Alternatively, the focus can be on a significant earthquake from previous weeks (provided that it has not already been covered). Finally, one can focus on a specific tectonically active region in which case a *brief* review of the seismic-tectonics is appropriate. Do not try to review multiple papers on the region.

Depending on the activity during the week, and the interest/energy levels of the audience, this section of the seminar can last longer than it should. *Effort should be made to keep it to 30 mins.*

### **Part 2. Paper review – Target: 20 min presentation; 10 mins for discussion**

In this part of the seminar the presenter should choose a recent publication of general interest to the group and review it. Papers are often focused on seismic processes and/or regional scale structure, but other topics are also welcome. It is up to the presenter to select the paper, but they should also run it by the seminar organizer to ensure that it is appropriate (email the title, authors and a pdf at least 1 week before the seminar).

