**Literature Search Assignment (seminar class picks readings)**

For each article, include the full citation, and write 1 sentence describing the article and 1 sentence stating why you think we might want to read it. POST YOUR RESPONSE on the online discussion board here.

Example lit search entry:

Schildgen T. F., Cosentino D., Bookhagen B., Niedermann S., Yıldırım C., Echtler H., Wittmann H. and Strecker M. R. (2012) Multi-phased uplift of the southern margin of the Central Anatolian plateau, Turkey: A record of tectonic and upper mantle processes. Earth Planet. Sci. Lett. 317–318, 85-95.

This paper focuses on the uplift of the Central Anatolian plateau in Turkey, using exposure aging and biostratigraphic data to determine whether the plateau rose steadily or uplift happened in multiple phases.

I think this paper would be interesting for us to read because it’s about uplift in an area other than the Himalayas or Andes (which we have read a lot about already), and because it using stratigraphic data as well as techniques we’ve already discussed.

**Literature Search Assignment (prepare for research proposal summary assignment)**

In preparation for designing your own original research project idea for the capstone assignment, we will be doing a literature search to help get ideas.

POST YOUR RESPONSE on the online discussion board here.

Literature search:

Pick 4-5 articles on a topic that interests you. You will likely search through many titles and abstracts to select the handful of articles that seem like the most interesting written about a particular topic that might serve as inspiration for your research proposal idea. For each of the final 4-5 articles, include the full citation, and write 1 sentence describing the article and 1 sentence stating how some aspect of the study might inspire a new research project idea.

Example lit search entry:

Huntington KW, Wernicke BP, and Eiler JM. (2010). The influence of climate change and uplift on Colorado Plateau paleotemperatures from carbonate 'clumped isotope' thermometry, Tectonics 29, TC3005, doi: 10.1029/2009TC002449.

This paper constrains uplift and climate of the Colorado plateau, using clumped isotopes of ancient lake carbonates from high and low elevation deposits interpreted in the context of modern lake carbonate data and lake water temperatures.

This paper makes me think of possible new research areas like 1) doing a systematic study of modern lake carbonates and their environments of formation, 2) re-doing this study and extending analyses to other deposits on the plateau now that we have more modern methods, or 3) applying the methods to lake deposits from the Tibetan plateau or Andean plateau.