

ESS 203 - Glaciers and Global Change

Friday March 5, 2021.

Outline for the day

- Last Monday's highlights – *Selena Moore*
- Today's highlights on Monday – *Evan Carroll*
(May be a relatively easy assignment, Evan 😊)

HW 25 – Assignment for Monday

Please read this classic article about glacier surging:

Kamb, B. et al. (1985) Glacier Surge Mechanism: 1982-1983 Surge of Variegated Glacier, Alaska. *Science* 227(4686), 469-479.

The paper is available on Canvas at

Files > HomeWork > kamb_1985_Science_VG_surge.pdf

Then answer our 3 questions about scientific papers –

- What question is being addressed by the authors?
- What answer do the authors find?
- What points on the paper are still unclear to you?

This classic paper was the result of a decade of careful field measurements by glaciologists from Cal Tech, UW, and UA Fairbanks. It documented, clarified and unified concepts about glacier surging for the first time.

Amnesty Interglacial

It has been a challenging Quarter for all of us in various ways.

- *Amnesty Interglacial* has declared that any overdue class HW assignments in ESS 203 can be turned in without late penalty until March 18 (Thursday in Exam Week).

In class today, you'll have time to work on your group project

We recommend you use this time to ask us questions and to work on your paper and presentation.

Please join your group's breakout room:

Room 1 = Cryogeology (*Elizabeth, Simon, Berrit, Gavin*)

Room 2 = Glacial Floods (*Brendan, Brianna, Julie, Caroline*)

Room 3 = Glaciers in USA (*Paul, Elena, Raphael*)

Room 4 = Ice cores (*Daniel, Alex K.*)

Room 5 = Ice on Mars 1 (*Sydney, Cooper, Kevin, Emily*)

Room 6 = Ice on Mars 2 (*Justice, Jennifer, Lynn, Abigail*)

Room 7 = Permafrost (*Angela, Alex M., Selena, Feiyao*)

Room 8 = Sea Ice 1 (*Evan, Joseph, Calvin, Madelyn*)

Room 9 = Sea Ice 2 (*Alex F., Angel*)