Mon Feb 10: Outline

Announcements/discussion:
Anyone hear Battisti's "climate surprises" talk on Friday?

Tues: Climate Impacts group, WX discussion
Topics due tomorrow for Option 2
Report 1 due on Friday

Weekend weather

Weather prediction vs Climate prediction

Earth History

Paleoclimate indicators

Inorganic Carbon Cycle… chemical equations
Saturday afternoon

2.5 day forecast
Saturday afternoon

ACTUAL
2-8-2003
Northwest Weather and Avalanche Center
Snoqualmie Summit-WSDOT Instrumentation

<table>
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<th>Hour</th>
<th>Temp</th>
<th>Temp</th>
<th>Temp</th>
<th>RH</th>
<th>Wind</th>
<th>Wind</th>
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<th>Hour Total</th>
<th>24 Hr Total</th>
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Snoqualmie temps

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<th>Temp</th>
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Tues Feb 11: Outline

Announcements/discussion:
- get homework - *do the reading*
- anyone want a job? (up to 10 hrs/wk)
- Tues: WX discussion - what happened Sat/Sun?
- topics due today for Option 2
- report 1 due on Friday… oral talks Friday?

Earth History 8:161-167
- marker events
- paleoclimate indicators

Inorganic Carbon Cycle (begin): 7:141-148
- residence times (using $\tau = F/B$)
- chemical equations, conventions
Wed Feb 12: Outline

In-class quiz on Earth-history marker events
8 key dates: 4.6 billion years ago
            3.8 billion
            ~2 billion
            540 million years ago
            65 million
            40 million
            1.7 million
            10,000 years ago

Inorganic Carbon Cycle (finish):
- meaning of the flow diagram
- the silicate-carbonate cycle and long-term regulation of atmospheric CO2
Outline for Thurs Feb 13 and Fri Feb 14

Announcements/discussion:
  - last Sunday's rain: what is a "shortwave"?

Geological-scale climate changes:
  - Faint Young Sun paradox  8:159-161
  - Mesozoic Warmth     8:167-169
  - Cenozoic Cooling    8:169-170
**Valentine's Day Poetry Contest**

- Ah… what musical words! Select as many as you like.
- Make a coherent sentence. (Words need not be used according to their exact meaning.)
- Or make a poem. Rhyming or blank verse. Haiku?
- Winner (judged by Amy) will be read aloud

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Midterm: 74% ave
18% std

Homeworks: 78% ave 20% std