Welcome to a Special Live Event!

Antarctica Day 2012 and the WISSARD Project

with Mike LeBaron and Dr. Ross Powell



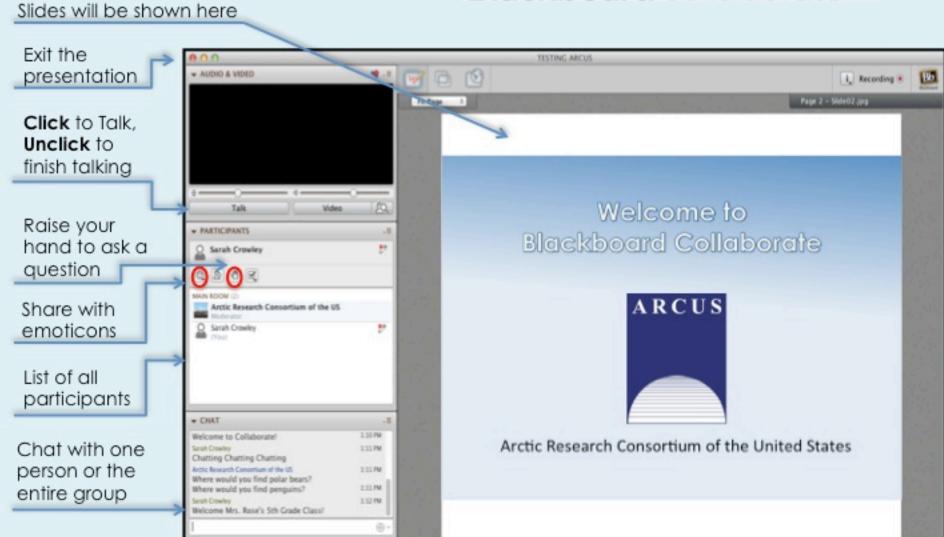






3 December 2012

Blackboard collaborate.



Please Note:

- Participants using the telephone can mute/unmute by pressing *6 on the phone.
- Today's event will be recorded and archived.



Participant Introductions

Please type in the chat box:

- ✓ Name
- ✓ Affiliation (School, Institution, Etc.)
- ✓ The number of students and adults participating with you in the same location

What is PolarTREC?

PolarTREC is a professional development experience in which K-12 teachers are paired with researchers for 2-6 week research experiences in the polar regions.

From 2010-2013, nearly 50 teachers from around the United States will join scientists in the Arctic and Antarctica to learn about science, the polar regions, and to share what they have learned with their students and communities.

Questions

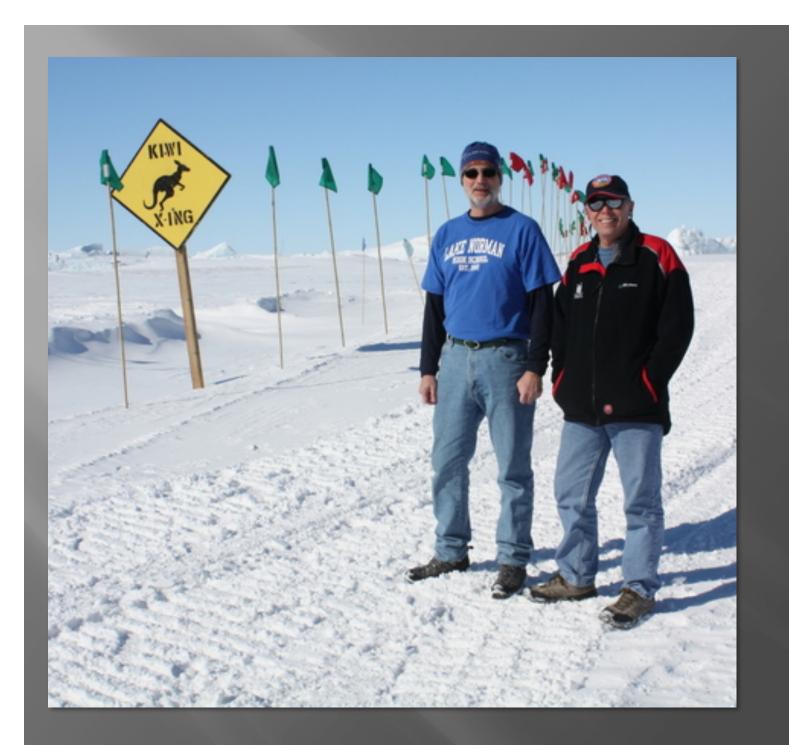
During the Presentation:

Type your question in the text chat box

At the End of the Presentation:

- Raise your hand with the "hand button".
- PolarTREC staff will call on you.
- Speak loud and clear and directly into the phone to ask your question.

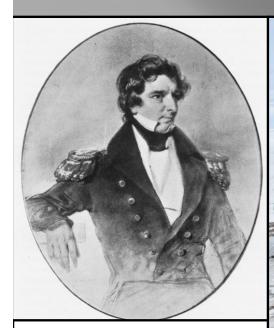
Click on the Talk button to speak.
Unclick when you are done.



Where are we?



Brief History of Antarctic Exploration



Sir James Clark Ross ageofex.marinersmuseum.org



Byrd - 1929





Shackleton – Endurance From coolantarctica.com



Amundsen at the pole, 1912 From coolantarctica.com









What is special about Antarctica?

It's the coldest, driest place on Earth.

Man has done very little to affect the land and environment.

It is the last continent on Earth to be explored.

It is one of the few places on Earth that man has agreed to preserve and keep as it is.

@ British Antarctic Survey - www.photo.antarctica.ac.uk



- Written in 1959 to create a "common"
- Observed by 48 Countries
- Requires:
 - Peaceful uses of Antarctica, no military presence
 - Activities be limited to scientific research
 - Results of scientific research are to be shared
 - No country may claim any lands
 - No one may explode nuclear devices or dump nuclear wastes
 - No mining or resource exploitation

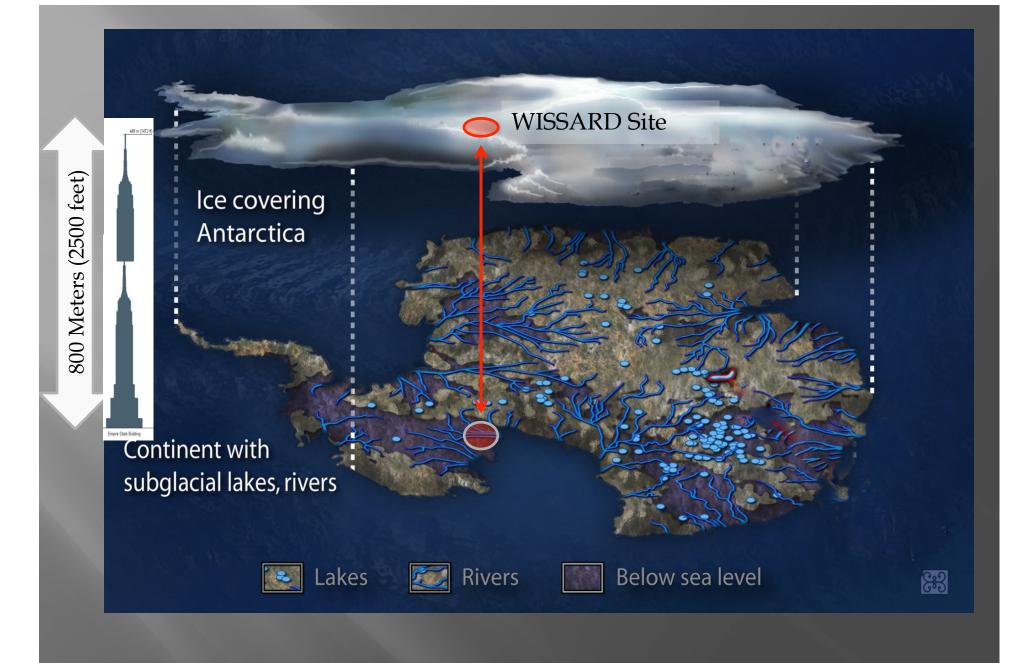


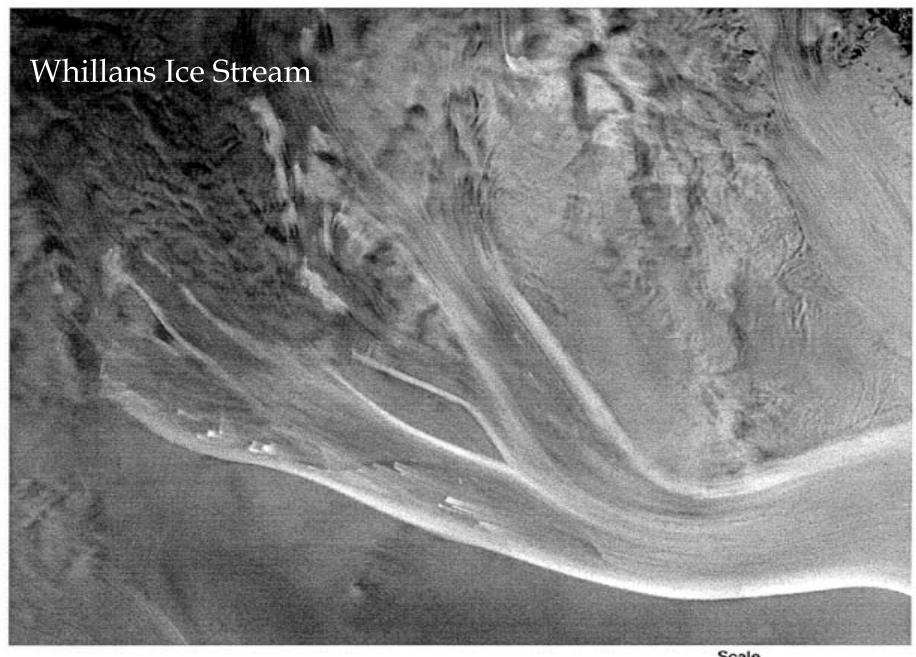




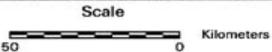
Subglacial Rivers and Lakes

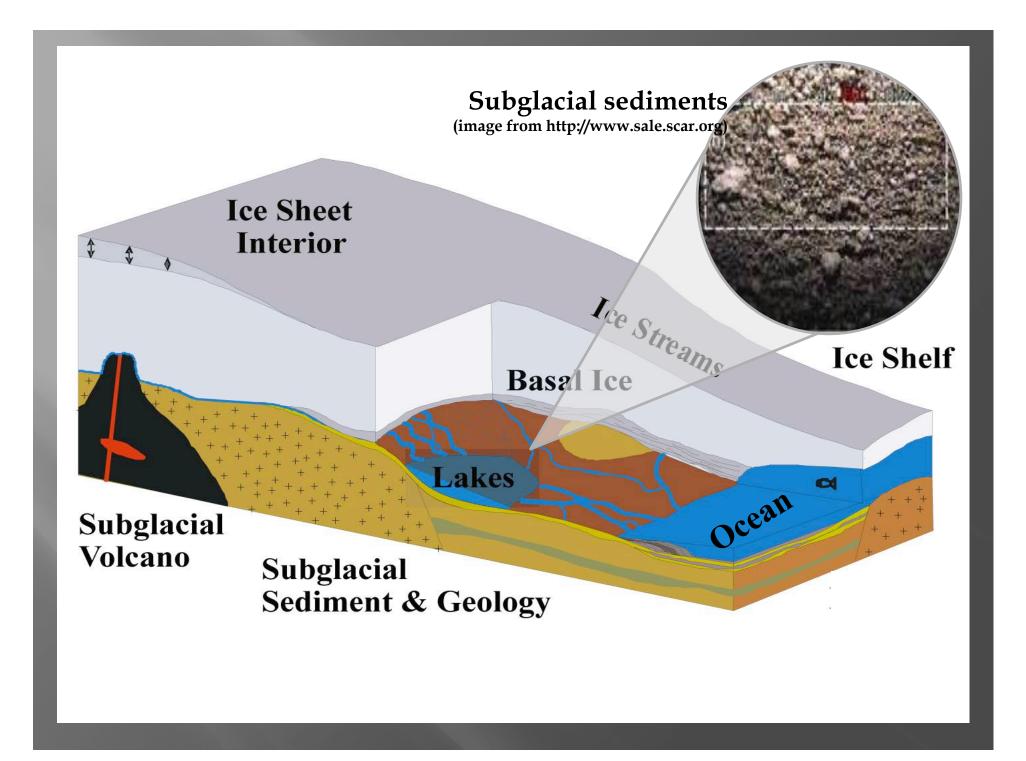


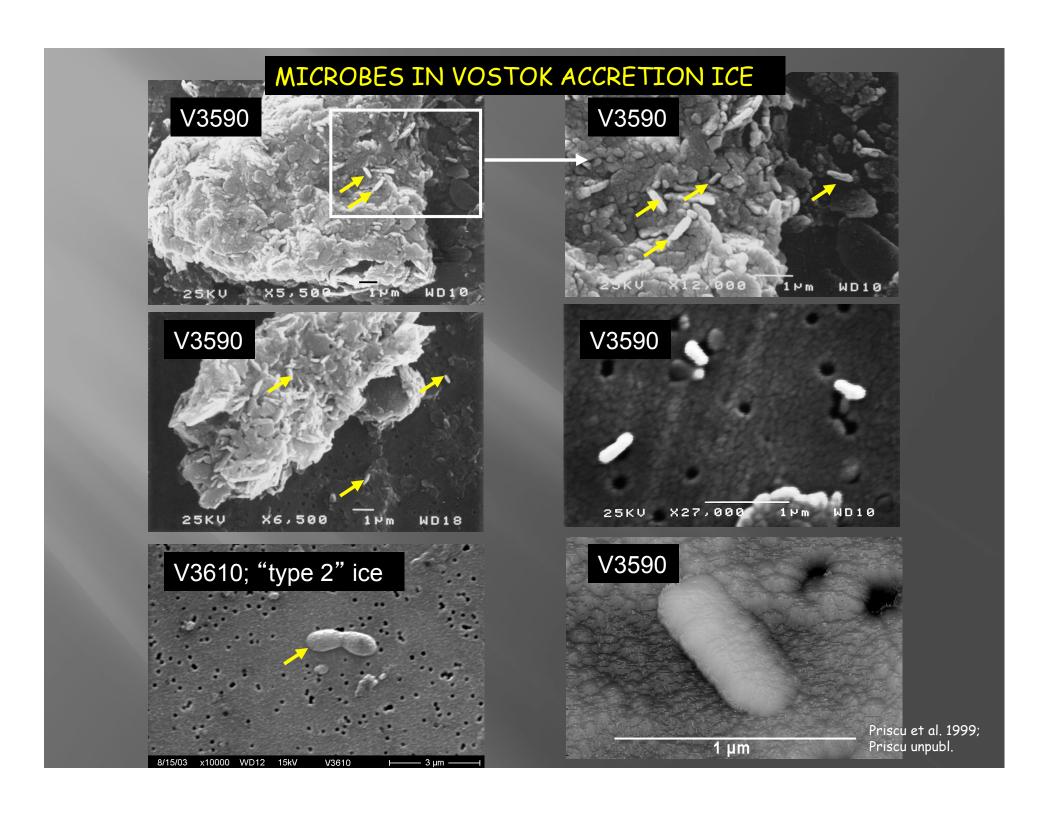


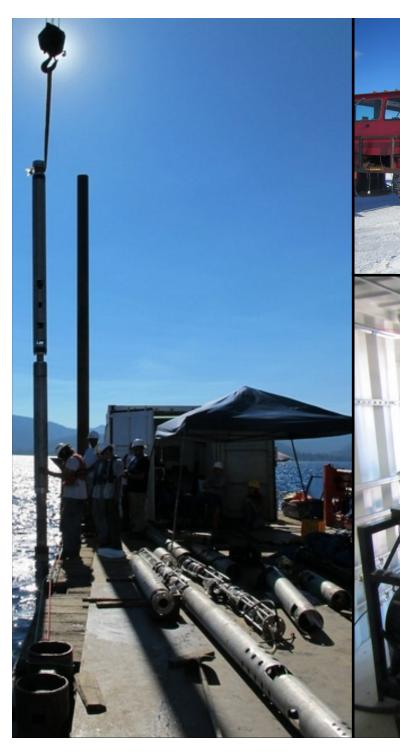


From researchnews.osu.edu











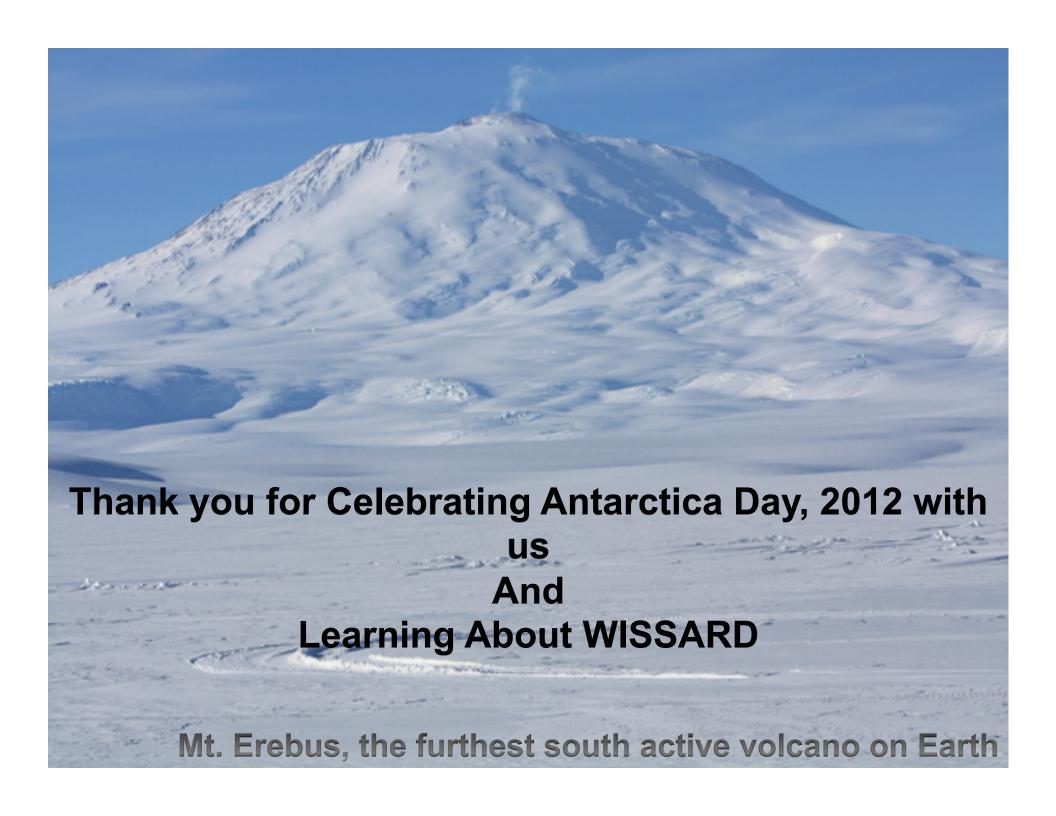
Drilling and Testing Operations











Teachers: Join PolarTREC!

www.polartrec.com/about/join

Every teacher can participate in different ways:

- Following Expeditions
- Participate in PolarConnect Events
- Join the Polar Education Email List
- Take Online Professional Development Courses
- Become a PolarTREC Teacher!

Upcoming Events

Watch for and register for upcoming events at www.polartrec.com!

Thank You!

An archive of the event will be available shortly. http://www.polartrec.com/polar-connect/archive





