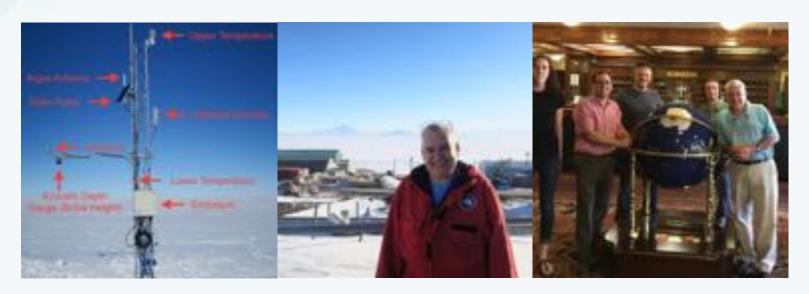
Welcome to PolarConnect



Antarctic Automatic Weather Stations

With PolarTREC Teacher George Hademenos

& Team Researchers Carol Costanza and Dr. Matthew Lazzara

Thursday, 9 November 2017

Getting to Know Adobe Connect

Slides will be shown here





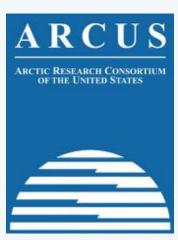
Participant Introductions

In the Chat box, please introduce yourself by typing in your:

- ✓ Name
- ✓ School or Institution
- ✓ The number of students and adults participating with you in the same location

What is PolarTREC?

- Since 2004, the Arctic Research Consortium of the United States (ARCUS), a non-profit organization, has been administrating the PolarTREC Program.
- ➤ PolarTREC is professional development for K-12 teachers. They are paired with researchers for 2-6 week research experiences in the polar regions.
- ➤ Over 150 teachers from around the United States have joined 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.



25 Years of Connecting Arctic Research www.arcus.org

Questions

During the Presentation:

Type your question in the text chat box

At the End of the Presentation, two options:

- 1. Type your question in the text chat box, or
- 2. Raise your hand with the "hand button".
- PolarTREC staff will call on you and activate your microphone.
- Speak loud and clear, directly into the computer microphone or the phone to ask your question.

The UW-Madison 2017-2018 Antarctic Automatic Weather Station Program

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University of Wisconsin-Madison, Madison, WI

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Madison Area Technical College, Madison, WI

⁴Science Department, Richardson High School, Richardson, TX











Outline

- PolarTREC Teacher
- AWS Team Members
- What is an AWS?
- How Does an AWS
- Collect & Transmit Data
- Current UW AWS Map



AWS Team







Dr. Matthew Lazzara

Lee Welhouse

Dave Mikolajczyk



George Hademenos

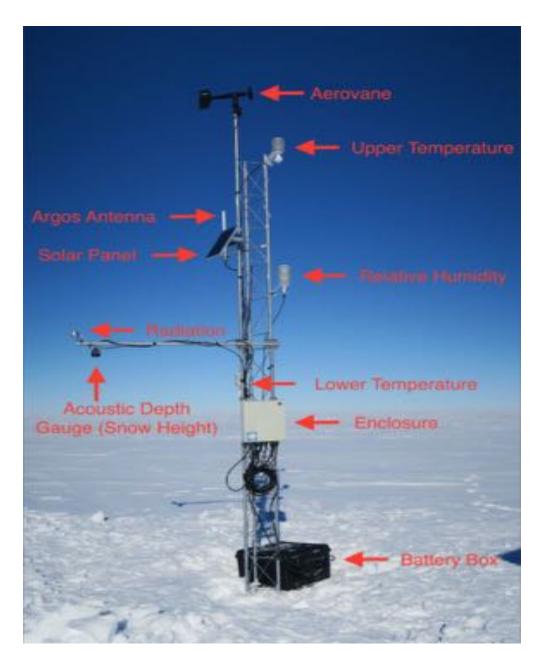


Carol Costanza

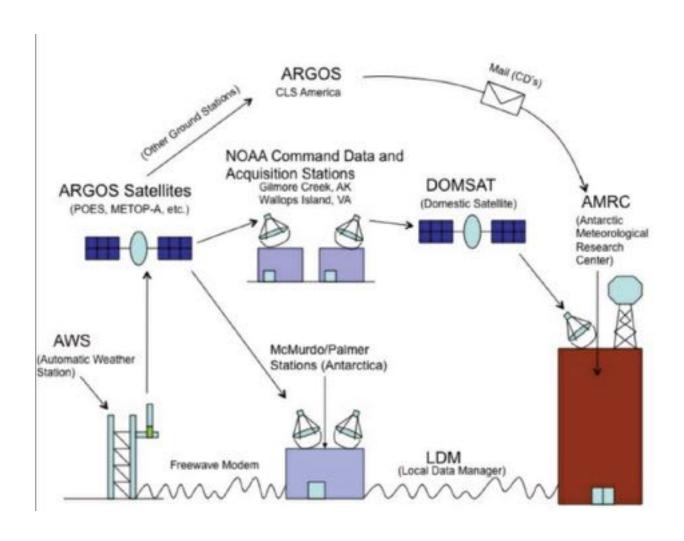


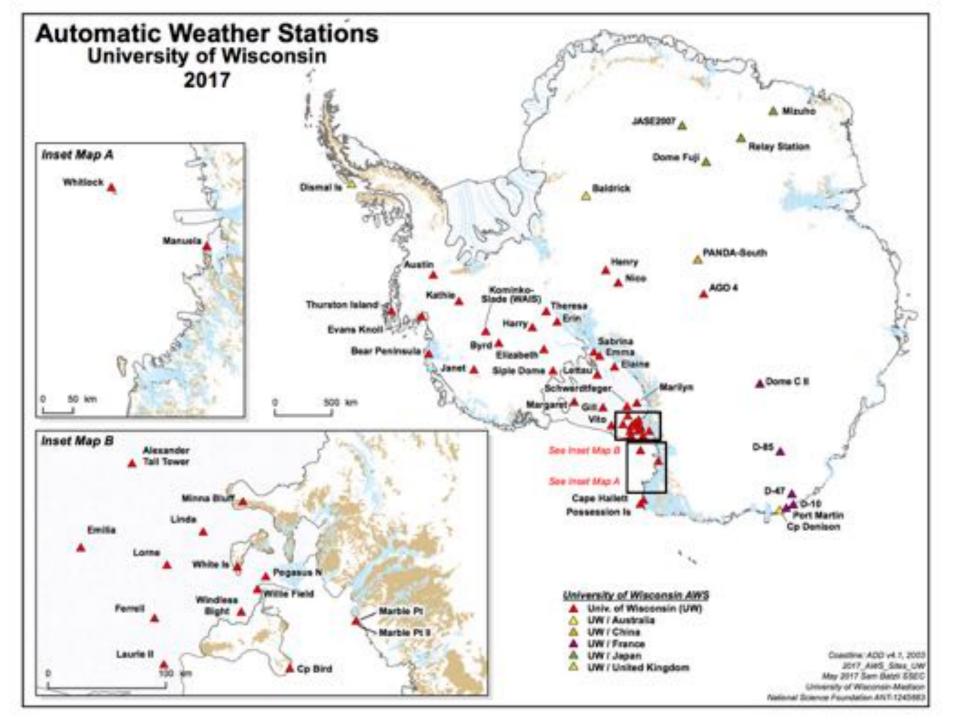
Linda Keller

What is an Automatic Weather Station?



How an Automatic Weather Station Works





Current Plans for this Expedition/Season

- Helo Visits: Lorne, Cape Bird, Minna Bluff, White Island, Marble Point
- Inspection, Reset Modem Clock (L)
- Twin Otter Visits: Gill, Elaine, Sabrina, Alexander Tall Tower
- Raise, Pressure Check, Power System,
 Wind Check, Rigger Check
- Other AWS Sites Planned for this Season in WAIS include: Austin, Kathie, Thurston Isl., Evans Knoll, Bear Peninsula, Janet, Harry



Cape Bird AWS



Lorne AWS

November 6: First Sighting of an AWS (for me, at least)







Life in a Southern Town – McMurdo Station



Weather at McMurdo Station

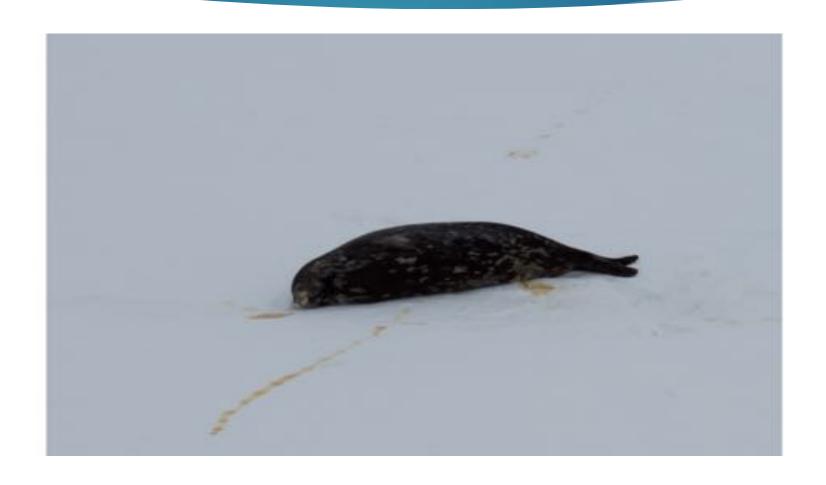
- The only constant about the weather is that it is cold and it can change very quickly!
- It is possible to have sunny, very comfortable days, or cloudy/overcast windy days. It is very important to check the weather forecast to find out about tomorrow's weather (and flight cancellations).



Animals Around Town

- It is possible to see animals although I haven't seen many in my short stay so far. On a recent hike, I spotted black spots on the ice.
- When I inquired as to what the spots were, my hiking partners stated that they were seals. Luckily, one of my partners, Scott Landolt, had a zoom lens on a camera...

Animals Around Town



Thank You!

- The authors appreciate the support of the University of Wisconsin-Madison Automatic Weather Station Program for the data set, data display, and information, NSF grant number ANT-1543305
- Thanks to NSF, ASC, 109th NY Air National Guard, Ken Borek Air, PHI Helicopters, PGC, Antarctic community, and data users

Join PolarTREC!

www.polartrec.com/about/join

Everyone can participate in different ways:

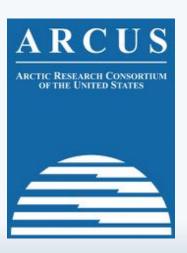
- Follow Expeditions
- Participate in PolarConnect Events
- Join the Polar Education Email List
- Check out the great resources
- Become a PolarTREC Teacher or Researcher
- Become a member of ARCUS

Thank You!

An archive of the event will be available shortly.

http://www.polartrec.com/polar-connect/archive





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