



# Future Wisconsin AWS Field Season Plans



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# Outline

- The Team
- Plans by region
  - West Antarctica
  - Ross Ice Shelf
  - McMurdo Area
- International Collaborations
- PolarTREC Efforts
- Issues
  - Pegasus North
  - UHF

Alexander Tall Tower! AWS



# The Team

Dr. Matthew Lazzara



Andy Kurth

#3



Dave Mikolajczyk

#2



Marian Mateling

Dr. George Hademenos



#1

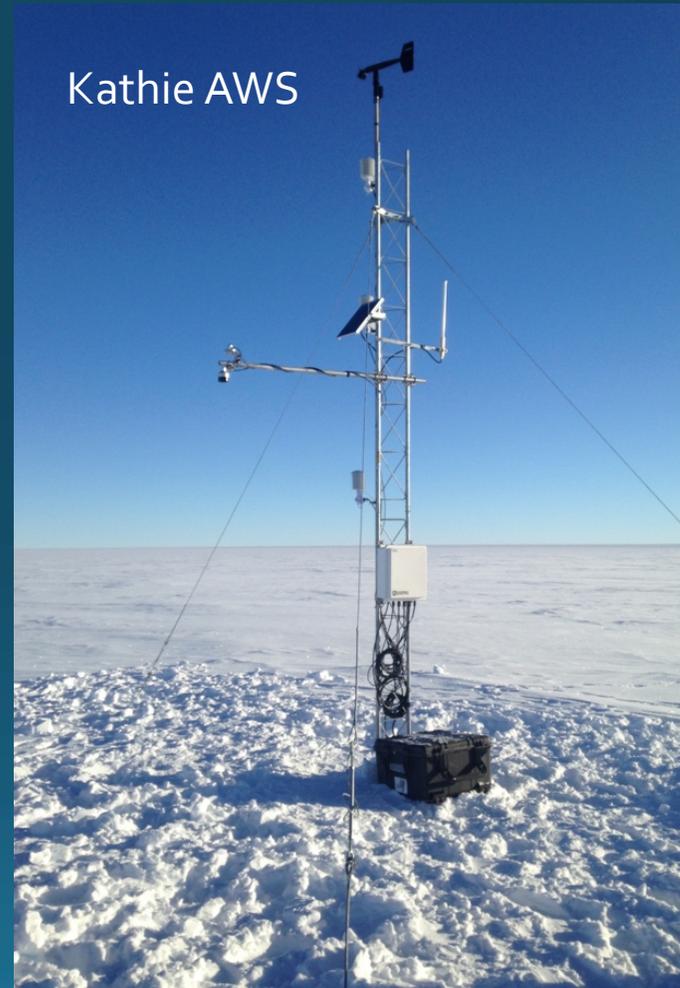


Carol Costanza



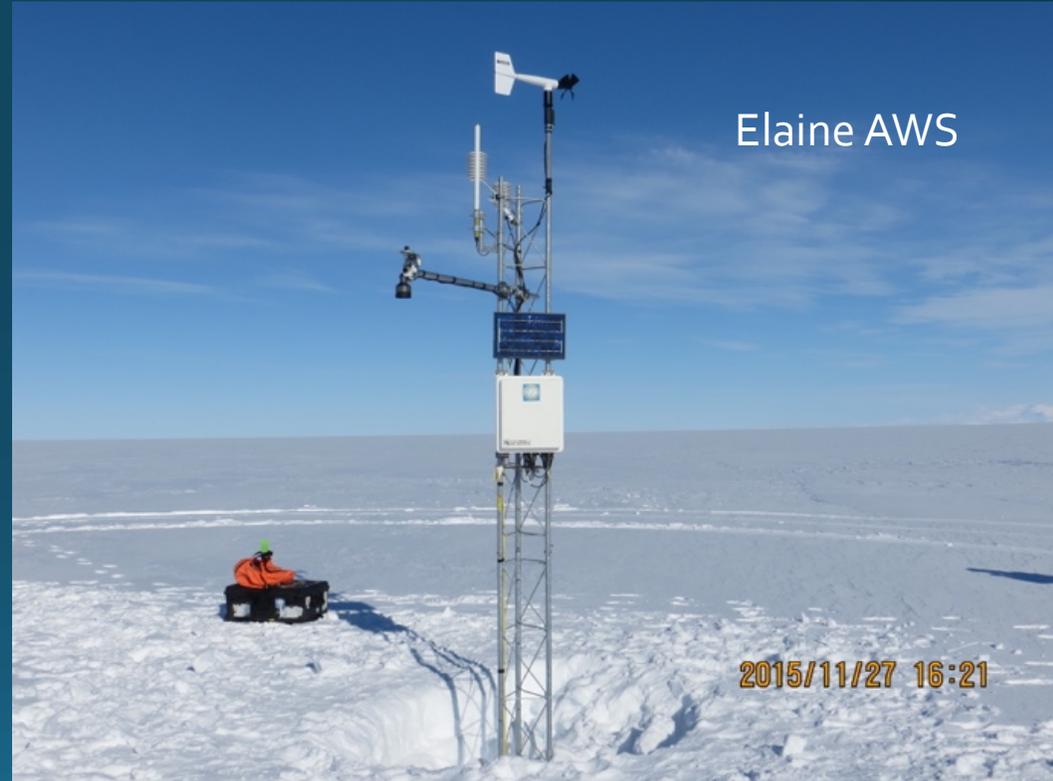
# Plans by Region: West Antarctica

- Austin
- Kathie
- Bear Peninsula
- Thurston Island
- Evans Knoll
- Janet
- Kominko-Slade
- Harry



# Plans by Region: Ross Ice Shelf

- Gill
- Sabrina
- Elaine
- Alexander Tall Tower!



# Plans by Region: McMurdo Area

- Cape Bird
- Marble Point
- Minna Bluff
- White Island
- Lorne
- Windless Bight
- Willie Field
- Phoenix Airfield



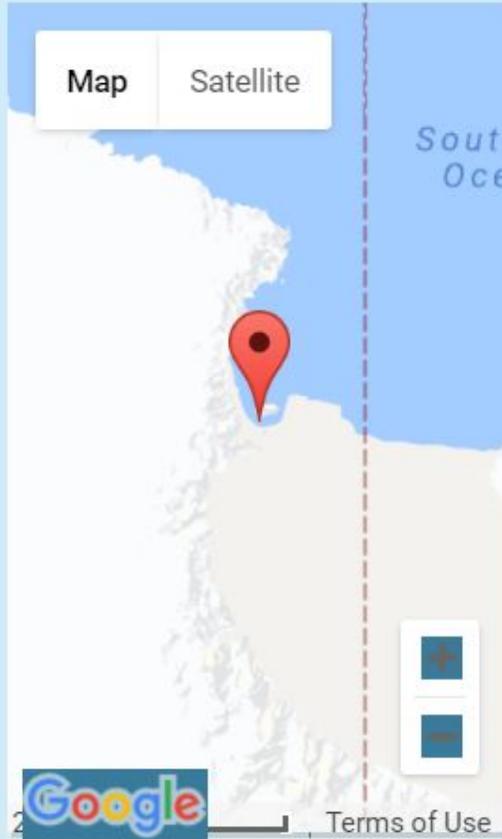
# International Collaborations

- Japan
  - No traverse planned (Raises/Power system servicing in the near future TBD)
- France
  - D-47: New CR1000 program to support shared sensors
  - D-10: Replace temperature sensor
  - Port Martin: Servicing in the near future (TBD)
- United Kingdom
  - No activities planned (Just completed new Dismal Island AWS – yay!!)
- Australia – Mawson's Hut Foundation
  - No activities planned (Cape Denison swap out in the near future TBD)
- Inactive:
  - China – no longer visiting PANDA-South
  - New Zealand – no shared sites at this time

# PolarTREC Activities

- Communicate with students and the general public through PolarConnect (<https://www.polartrec.com/polar-connect>) events
- Inform the general public of all activities leading up to, during and following the expedition through frequent entries in a Journal Blog:
  - <https://www.polartrec.com/expeditions/antarctic-automatic-weather-stations?>  
(See next slide)
  - <http://amrc.ssec.wisc.edu/blog/>
- Develop Infographics posters to help publicize the partnership between teacher and polar researchers
- Create hands-on activities, projects, and lessons across all grade levels that incorporates facets and aspects of Automatic Weather Stations

## Antarctic Automatic Weather Stations



### Dates:

1 November 2017 to 30 November 2017

### Location:

McMurdo Station



**Teacher:** [George Hademenos](#)

### What Are They Doing?

*Carol Costanza helps recover Laurie II AWS. Photo by Elin McIlhattan*



The Antarctic Automatic Weather Station (AWS) network

has been making meteorological observations since the early 1980s. This continent-wide network is positioned to observe significant meteorological events and increase our understanding of the climate of the Antarctic surface. Researchers utilize the AWS network to...

[Follow Expedition!](#)

# Issues

- Pegasus North
  - End of life of Pegasus Air Field
  - AWS has recently fallen over
  - New AWS Planned at Phoenix Air Field
  - 1 to 2 year “side-by-side” test with Willie Field and Pegasus North AWS sites
  - Removal of Pegasus North Planned – Input welcome.
- UHF (See Dave’s Talk)
  - Sunset of the UHF network under serious consideration – Input welcome
- MRI (See my other talk!)
  - Future hardware/stations for the network

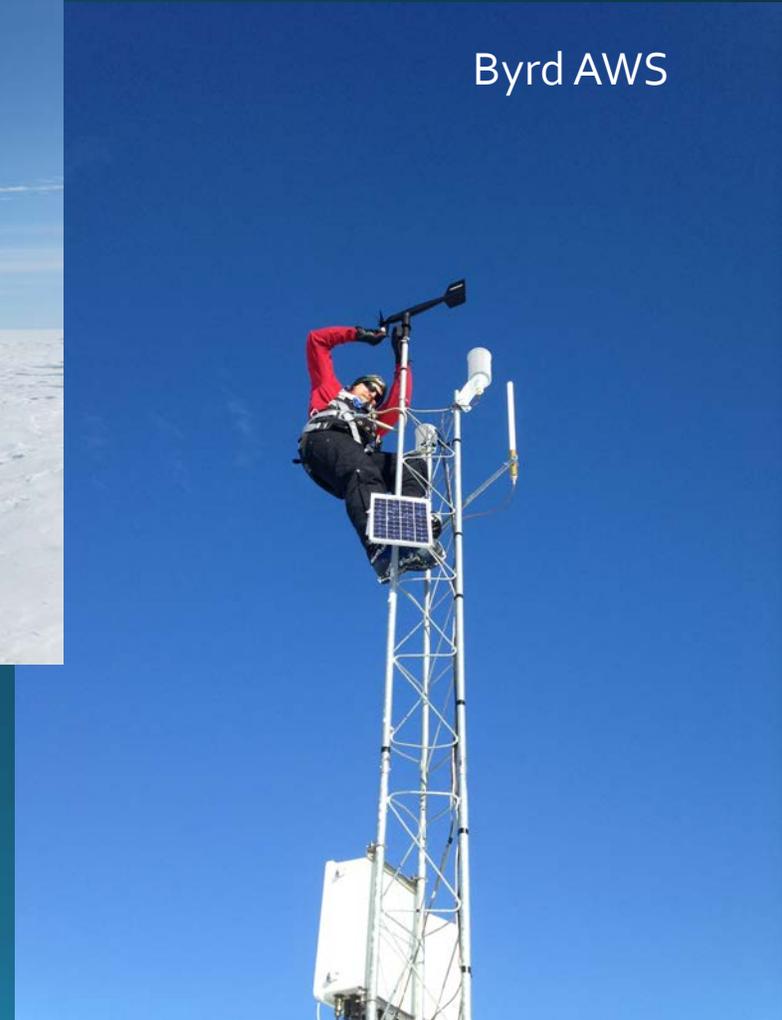
Theresa AWS



Erin AWS

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Byrd AWS



# Thank you! Questions?

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