



# What is the National Science Foundation Wire Pool?

Rick Trask, *NSF Wire Pool Manager*

# **The Wire Pool supports the tension member needs of the US Academic Research Fleet**

**Maintaining an Inventory**

**Coordinating Requests**

**Conducting Break Tests**

**Maintaining a Wire Database**

**Providing support to the RVOC Safety Committee**

# Inventory and Distribution of Tension Members



## Inventory

- One Wire Pool, 2 storage locations
- Inventory of commonly used tension members
  - Wire Ropes: ¼", ½", 9/16"
  - Cables: .322" EM, .680 Coax, .681" power optic
  - Synthetics: 9/16" Plasma HiCo

## Distribution

- Process requests for new and used tension members
  1. Field all requests (via email or on-line request form)
  2. Availability of requested tension member
  3. NSF approval
  4. Arrange for shipping to a domestic port



# TENSION MEMBER TESTING

Barbara Callahan  
Wire Testing Coordinator  
Assisted by  
Ellen Roosen





# Tension Member Testing

- Mandated by Appendix A of UNOLS Research Vessel Safety Standards
- The Wire Pool is funded to test your wire rope, cable and synthetics.
- Process for getting your wire tested & in the queue:
  1. Submit a break test request via the database.
  2. Send your sample with at least **one end terminated with the fitting used in the field.**



# Wire Pool Database

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