Talk #136, 6/21/23

136th meeting of the Lyncean Group of San Diego

Date: Wednesday, 21 June 2023

Location: Southwestern Yacht Club 2702 Qualtrough Street San Diego, CA 92106 (Point Loma)

Speaker: Prof. Lynne D. Talley, Scripps Institution of Oceanography, UCSD, La Jolla, CA

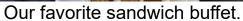
Topic: The ocean's large-scale circulation with emphasis on the Antarctic - Observations to process understanding to climate implications

Presentation outline:

- Global scale ocean observing with ship-based measurements and autonomous instruments
 - Heat trends
 - Anthropogenic carbon trends
 - o pH trends
- Global ocean surface circulation
 - Absolute sea surface height
 - External forces that drive large-scale circulation
- Global ocean overturning circulation (top to bottom)
 - o Effects of temperature, salinity & density
 - Vertical mixing
 - Sea ice: dual role in water mass formation
- Climate system: heat & carbon

Prof. Talley's presentation is available for download here: https://lynceans.org/wp-content/uploads/2023/07/Lyncean Talley june2023-compressed.pdf





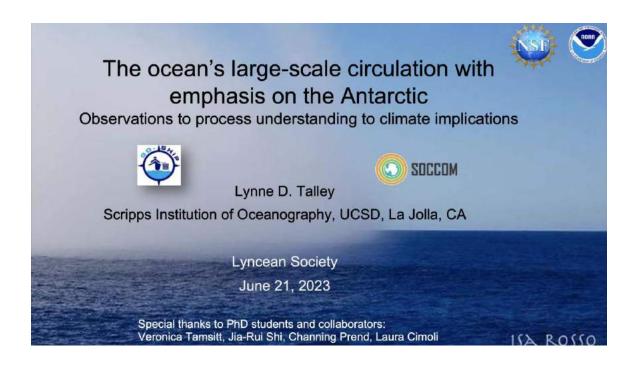


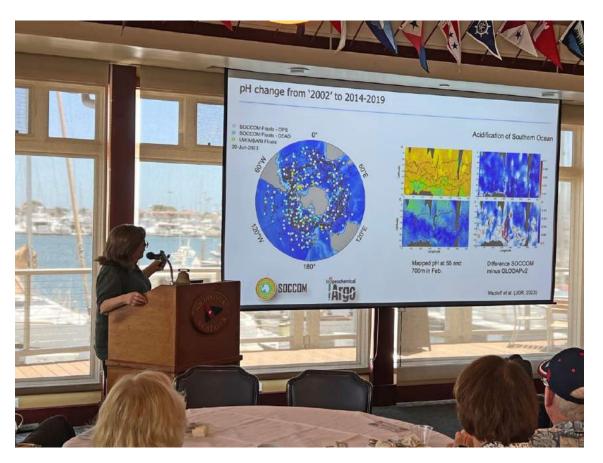
Welcome back!



Bill Hagan introduced our speaker. His slides are available for download here:

https://lynceans.org/wp-content/uploads/2023/07/Hagan-Meeting-Slides-6-21-23-compressed.pdf

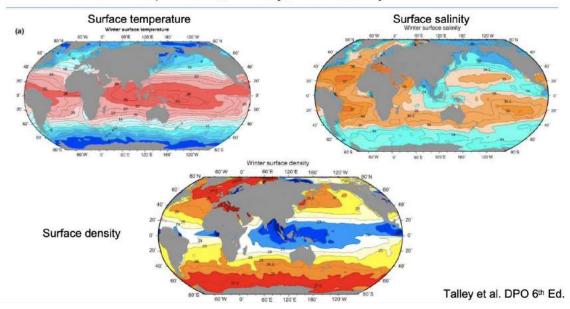






50 Lyncean members and guests attended the June luncheon meeting.

Ocean surface temperature, salinity, and density







Dr. Talley's was the 2016 awardee of the AMSOC "Albatross" award. Find out more about this prestigious award here:

Albatross Award of the American Miscellaneous Society



Bill Hagan presented Dr. Talley with The Lyncean Group of San Diego's Scary Little Lynx Award.



