

Oceanography Seminar*

"A tale of two oceans: Nitrogen dynamics at the Hawaii and Bermuda Time-series Stations"

The ocean's harbor a dizzying diversity of microbial life. One class of surface-dwelling ocean life forms,

BATS, mys

storage. The known mechanisms of nutrient supply (such as N₂ fixation) are inadequate to fuel the measured rate of carbon removal from surface waters due to export production. Moreover, the known routes of carbon export (such as particle sinking) cannot account for the rate of carbon removal. These coupled mysteries will be probed from the perspective of the upper ocean nitrogen cycle at BATS, and the findings will be compared with those from the North Pacific.