

# **A Teleconnection between the Southern Hemisphere Mid-Latitude and Equatorial Ocean**

J. RIBBE

University of Southern Queensland, Department of Biological and Physical Sciences  
Toowoomba, Queensland

The sub-surface ocean is a pathway for climate anomalies which propagate away from high and mid-latitude water mass formation region and into the Equatorial ocean. Thus there is the potential that the existence of this sub-surface ocean pathway may lead to decadal variability of Equatorial sea surface temperature. This in turn leads to some influence upon the El Nino Southern Oscillation. In my talk, I will present some results from recent ocean modelling studies that investigate mid-latitude water mass formation processes and their passage throughout the interior of the upper ocean.