

EDITORIAL

Modeling the Large-Scale Circulation of the Ocean

Numerical modeling of the ocean has developed rapidly over the past decade. It is being used to enhance the classical analysis of ocean observations toward understanding the large-scale circulation of the ocean. This blending of observational and numerical techniques into a consistent analysis and prediction of the circulation is leading to a synoptic view of the ocean.

The standard primitive equation numerical model used by the physical oceanographic community over the past two decades has been the one developed by Kirk Bryan and Michael Cox at the Geophysical Fluid Dynamics Laboratory in Princeton. Michael Cox maintained this code and shared it magnanimously with the community. His recent death provides an occasion for this *JPO* special issue on Modeling the Large-Scale Circulation of the Ocean. At our request, Kirk Bryan wrote the lead article, which highlights some of Michael Cox's pioneering research with their model.

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