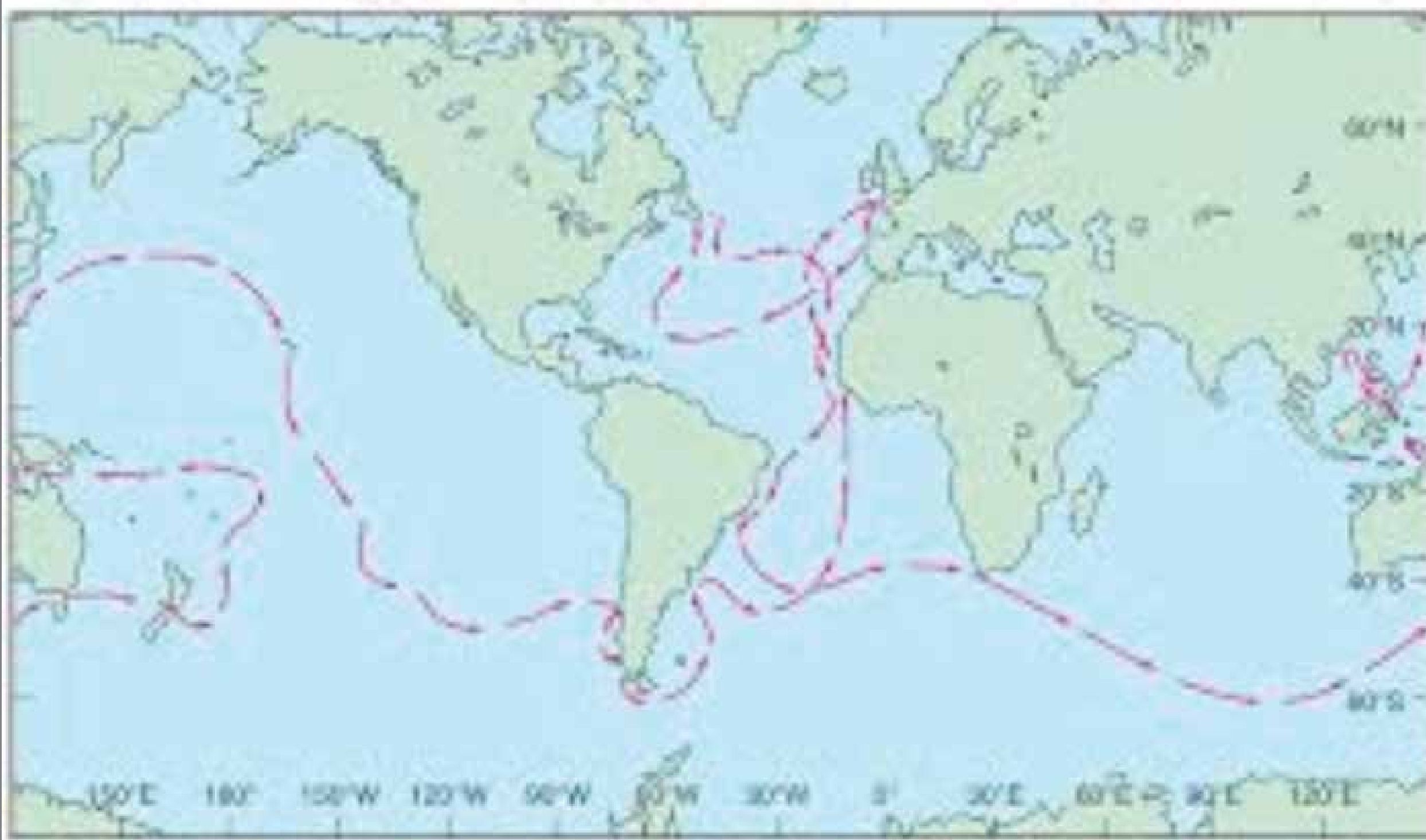


# COBOURG'S SIR JOHN MURRAY

THE FATHER OF  
OCEANOGRAPHY

HMS CHALLENGER WAS THE WORLD'S FIRST PURPOSELY-EQUIPPED SCIENTIFIC RESEARCH VESSEL. JOHN MURRAY WAS ONE OF 6 "SCIENTIFICS" ON BOARD

## HMS CHALLENGER 1872 - 1876



Map - from Chrystal Foster presentation "History of Oceanography"

## THE MAN:

In addition, John Murray himself:

- played a significant part in converting the scientific findings into proven theories
- personally oversaw and funded the 50 volume Challenger Report
- mapped all the freshwater lakes and lochs of Scotland
- was made a member of both the Royal Society and the Royal Society of Edinburgh
- was knighted as Sir John Murray, Knight Commander, Order of the Bath
- gave his name to numerous maritime locations as well as a street in Cobourg

## THE EXPEDITION:

- sailed 68,890 nautical miles
- lasted over 42 months
- made 492 deep soundings
- discovered over 4,700 new species of animal and plants
- measured the ocean's deepest point, now named the Challenger Deep in the Pacific Ocean (about 11,000 meters = about 7 miles!)
- discovered the mid-Atlantic range leading to a better understanding of tectonic plates
- contributed immeasurably to our understanding of the oceans and their life
- gave its name to the NASA Challenger Space Shuttle and numerous deep-sea research vessels

John Murray 1841-1914

