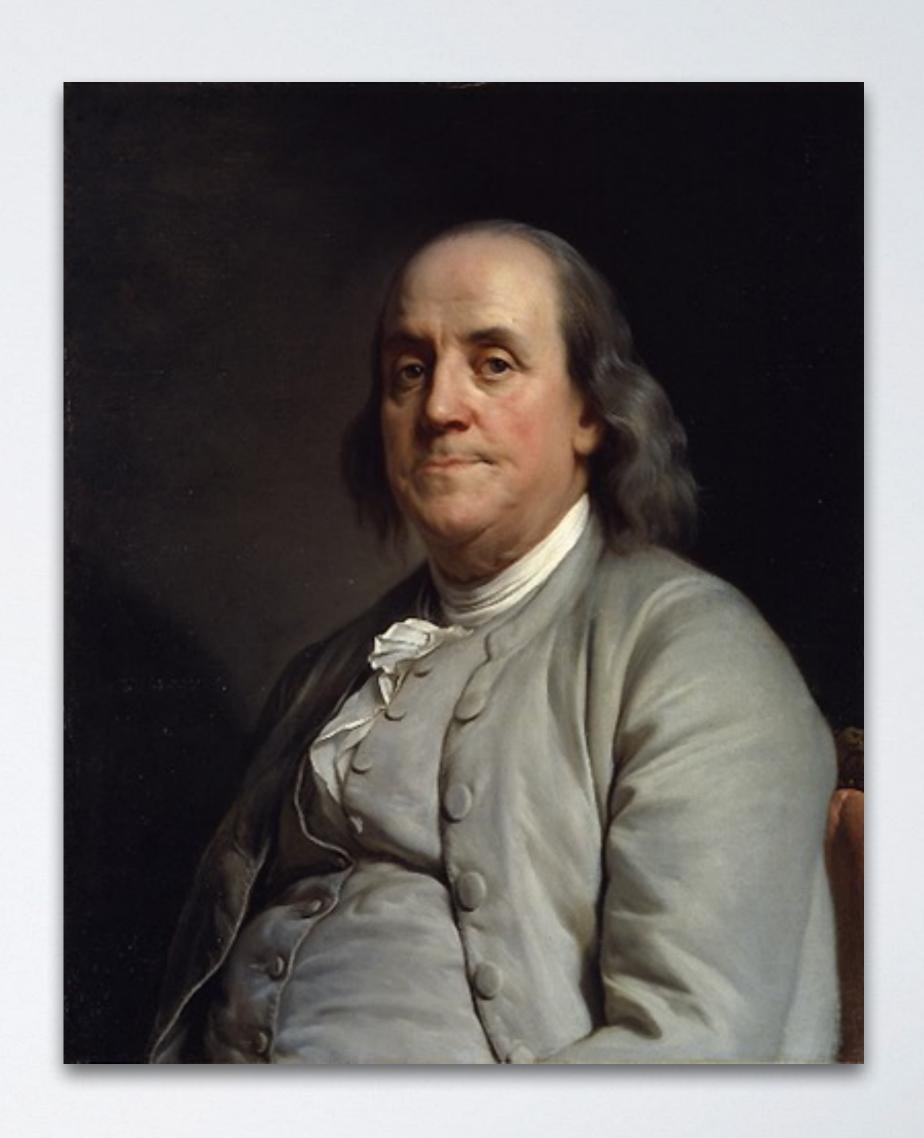


- Ocean scientists continued in the wake of early explorers and navigators by investigating the oceans in a quest for scientific knowledge
- This quest is on going and has resulted in a much deeper understanding of our oceans and planet which is 71% water

- Benjamin Franklin (1706 1790)
 - First to map the Gulf Stream
 - Amazingly accurate map of the warm water current that runs north along the east coast of North America



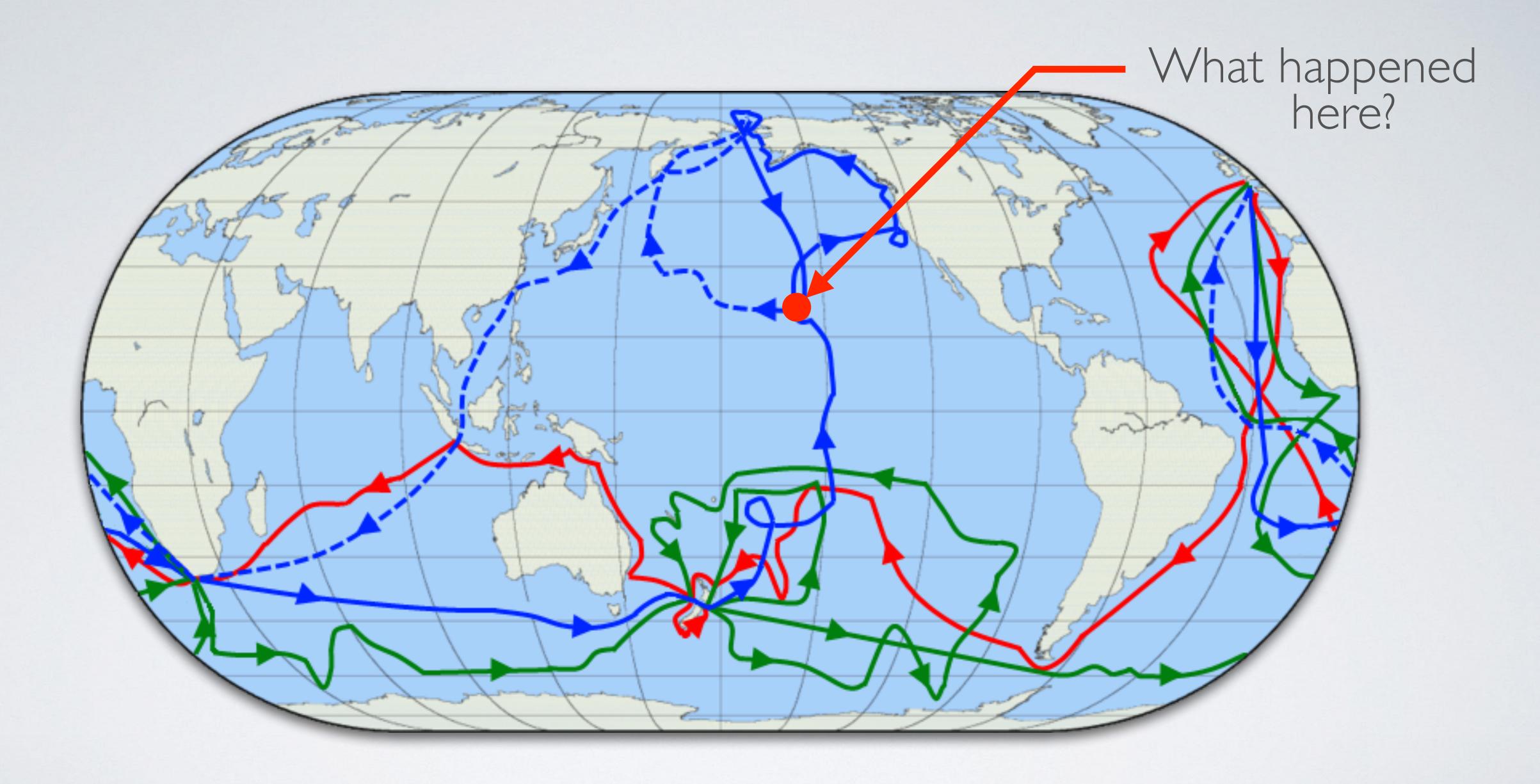


Gulf Stream Mapping

- James Cook (1728 1779)
 - British explorer who mapped the South Pacific in search of Australia
 - Discovered the importance of vitamin C to prevent scurvy
 - Scurvy a disease resulting from a deficiency of vitamin C which is required for the synthesis of collagen

- James Cook (continued)
 - Excellent celestial navigator and understood latitude and longitude
 - Created many detailed maps
 - Killed while exploring Hawaii





Cook's Journeys



James Cook Documentary

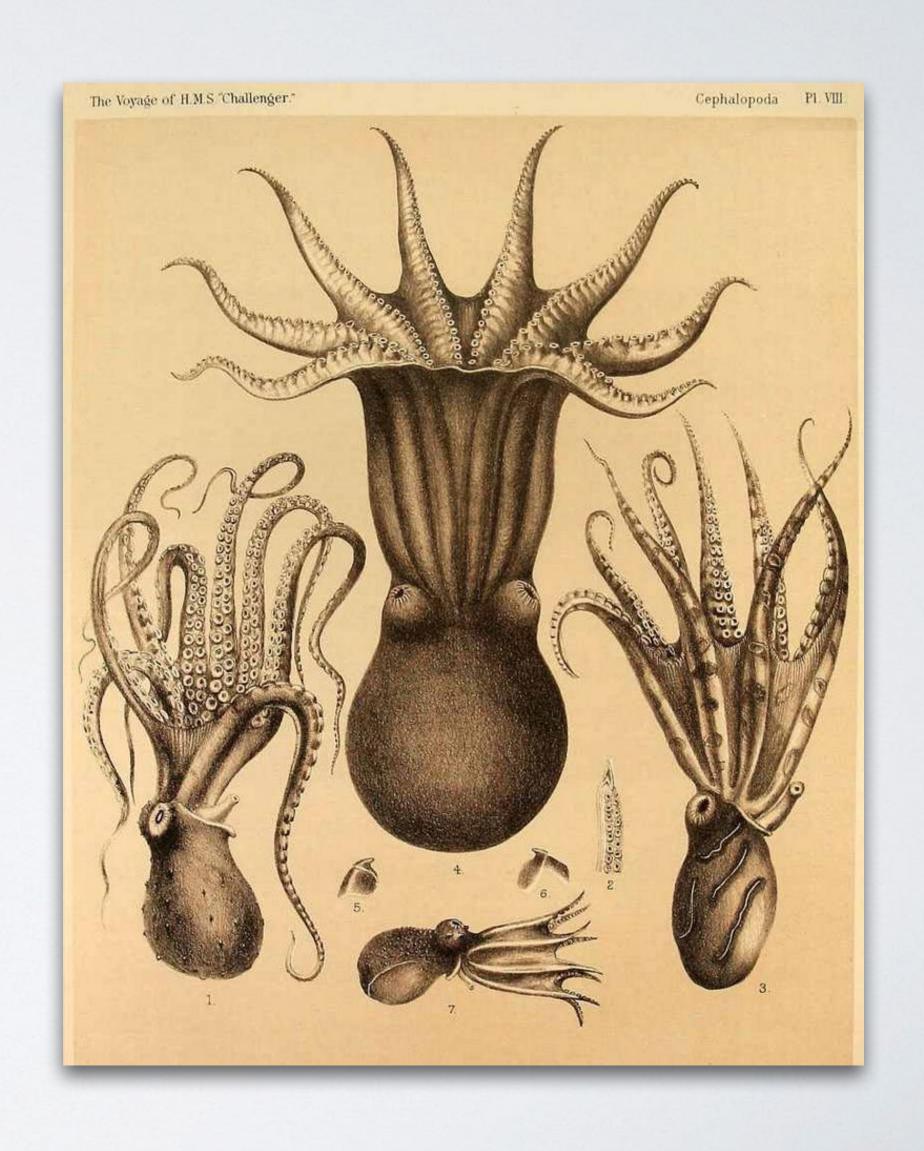
- Matthew Fontaine Maury (1806 1873)
 - American naval officer
 - Father of Oceanography
 - Published "The Physical Geography of the Sea" and "Wind and Current Chart of the North Atlantic"



- H.M.S. Challenger (1873-1876)
 - A refitted British warship which crossed all the major oceans collecting samples 50 volumes worth of data



- H.M.S. Challenger (continued)
 - Scientific data included:
 - 4700 new species discovered
 - Temperature and pressure reading at different depths
 - Ocean-floor sediments
 - Tide data



earthtoleigh.com