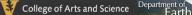
Antarctica: At the heart of it all

Dr. Dan Morgan Associate Dean - College of Arts & Science Principal Senior Lecturer – Earth & Environmental Sciences **Vanderbilt University Osher Lifelong Learning Institute** Spring 2021

Field work in Antarctica in 2017-18



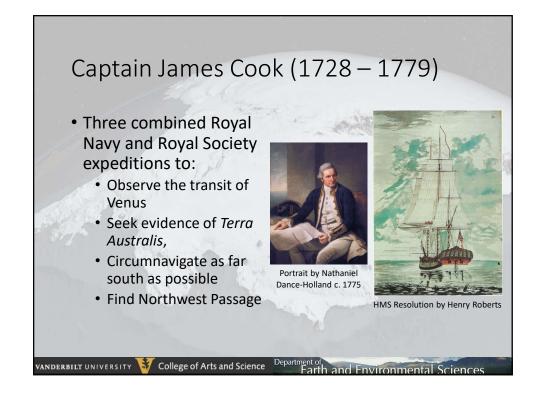
II: Discovery and early expeditions

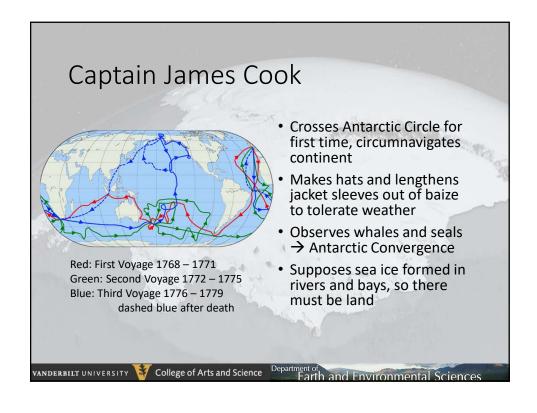
- Terra Australis
- Cook
- Sealing, Whales, state of knowledge in 1800s
- 1820s: Bellingshausen, Bransfield, and Palmer
- 1840s: Ross, Dumont D'urville, Wilkes
- 1890 1900s: De Gerlache (Belgian), Borchgrevink (British)

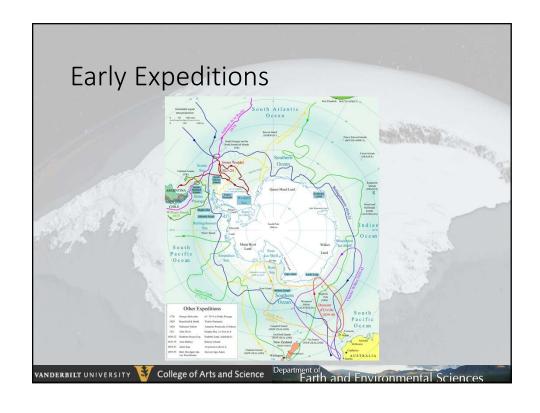


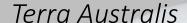
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 "Once and for all the idea of a populous fertile southern continent was proved to be a myth, and it was clearly shown that whatever land might exist to the South must be a region of desolation hidden beneath a mantle of ice and snow." -Robert Scott, A Voyage of the Discovery

The following taken from Captain Cook's

"Lands condemned to everlasting regidity by Nature, never to yield to the warmth of the sun, for whose wild and desolate aspect I find no words; such are the countries we have discovered; what then may those resemble which lie still farther south? It is reasonable to suppose that we have seen the best, being the most northerly; Should anyone possess the resolution and the fortitude to elucidate this point by pushing yet farther south than I have done, I shall not envy him the fame of his discovery, but I make bold to declare that the world will derive no benefit from it".

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Discovery of land mass

- · Fabian Gottleib van Bellingshausen (January 28, 1820) - Russian
- Edward Bransfield (January 30, 1820) -British
- Nathaniel Palmer (November 17, 1820) -US
- Mostly looking for seals



Bellingshausen by U. Schzeibach





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