

Honor 2103
Darwin Lecture 2

Beagle and Origin

Biography

- Born 1809 in Shrewsbury; Dies 1882
- A born naturalist
- Education in Edinburgh and then Cambridge
- Graduated in theology, 1831

HMS Beagle (1831-1836)

- Served as naturalist on cartography mission
- Shed light on “mystery of mysteries”
- Galapagos islands:
 - Geology + Animals = biogeography
- Recall background, three chief problems
- Add Lyell and Malthus (competition, resources, rates of reproduction)

Origin of Species (1859)

- Evolution (change of species over time) vs. Mechanism of Evolution (Natural Selection); and account for adaptation
- Canon
 - Heritability
 - Variation
 - Selection
- Chapters 1 & 2: Domestication and Variation
 - Pivotal Analogy with “artificial selection” in domesticated species
 - Consider the variety, from a common origin, by means of selective breeding
- Chapter 3: Struggle for Existence (next time)
- Chapter 4: Natural Selection (next time)