

James Hutton



Charles Lyell



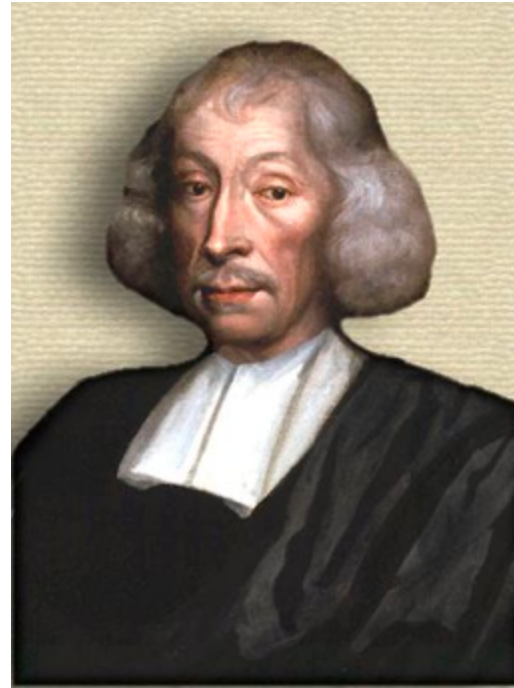
Robert Hooke



George Cuvier



Mary Anning



John Ray



Carolus Linnaeus



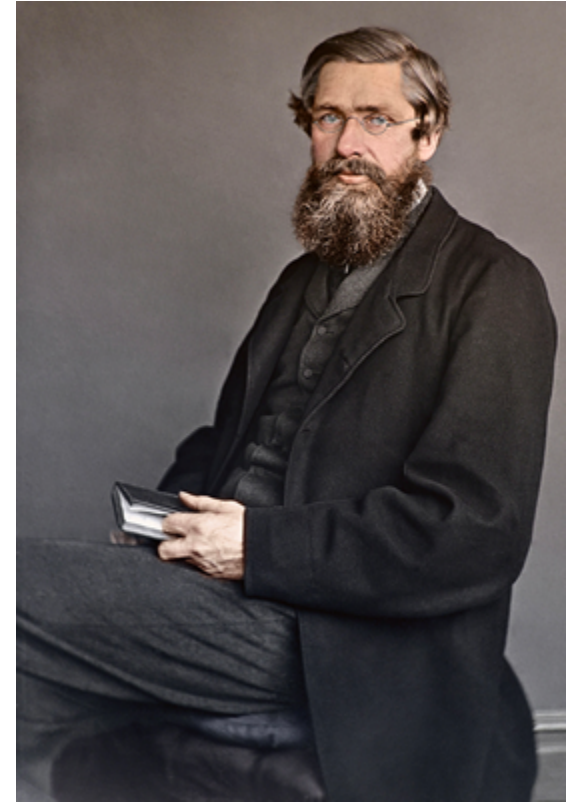


*Thomas Robert Malthus*

Thomas Malthus



Lamarck



Alfred Russel Wallace

Observed & documented how natural processes change earth's landscape, and used this to calculate earth's age. Also, developed idea of uniformitarianism

Collected lots and lots of geologic evidence to back up the idea that earth is millions of years old

Deduced that fossils provided a history of past life

Provided evidence for extinction and proposed extinction happened through catastrophism

Discovered Pleisosaurs – never recognized for work while living

Created first scientific classification of plants and animals

Binomial nomenclature taxonomy

Proposed idea of adaptive traits leading to greater survival and reproduction

Provided a model for how physical traits passed from parents to offspring – though this model was wrong

Simultaneously developed theory for evolution through natural selection, almost scooped Darwin, but didn't have as much evidence