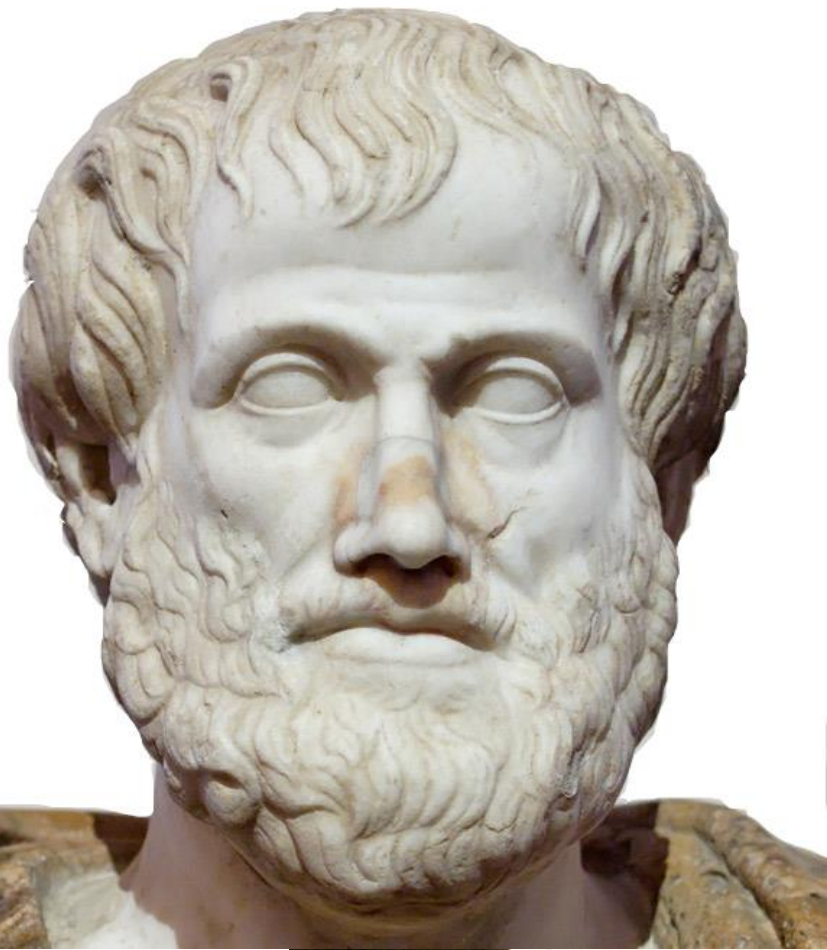




Discovery  
of *Time*

=

Discovery  
of *Nature*

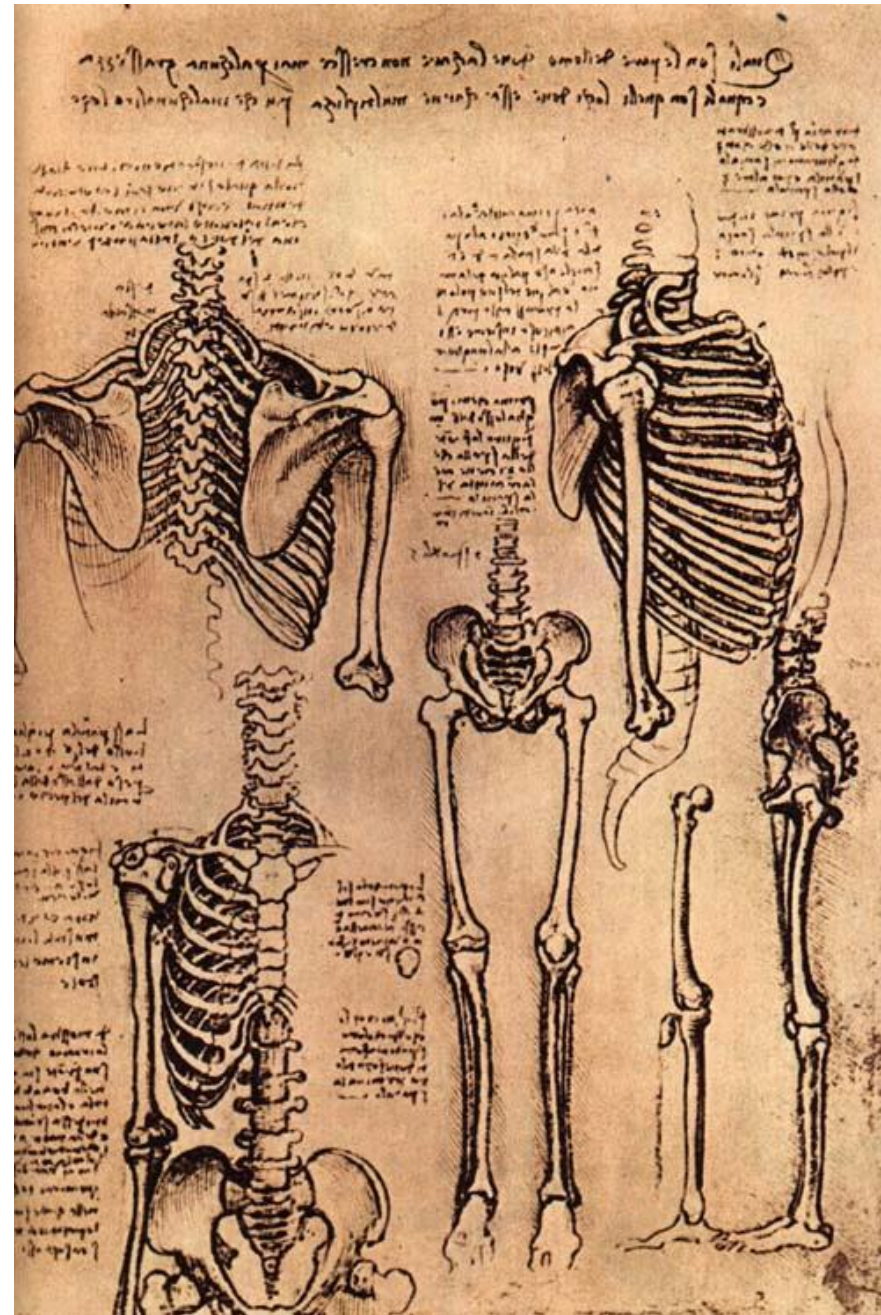
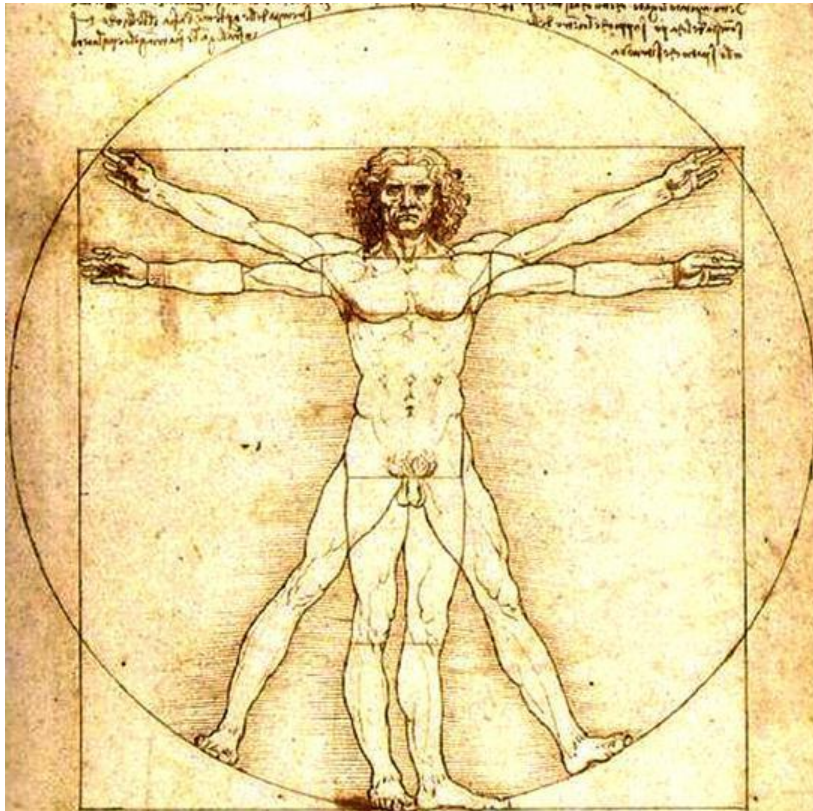


Aristotle  
(384-322 BC)



# Leonardo da Vinci

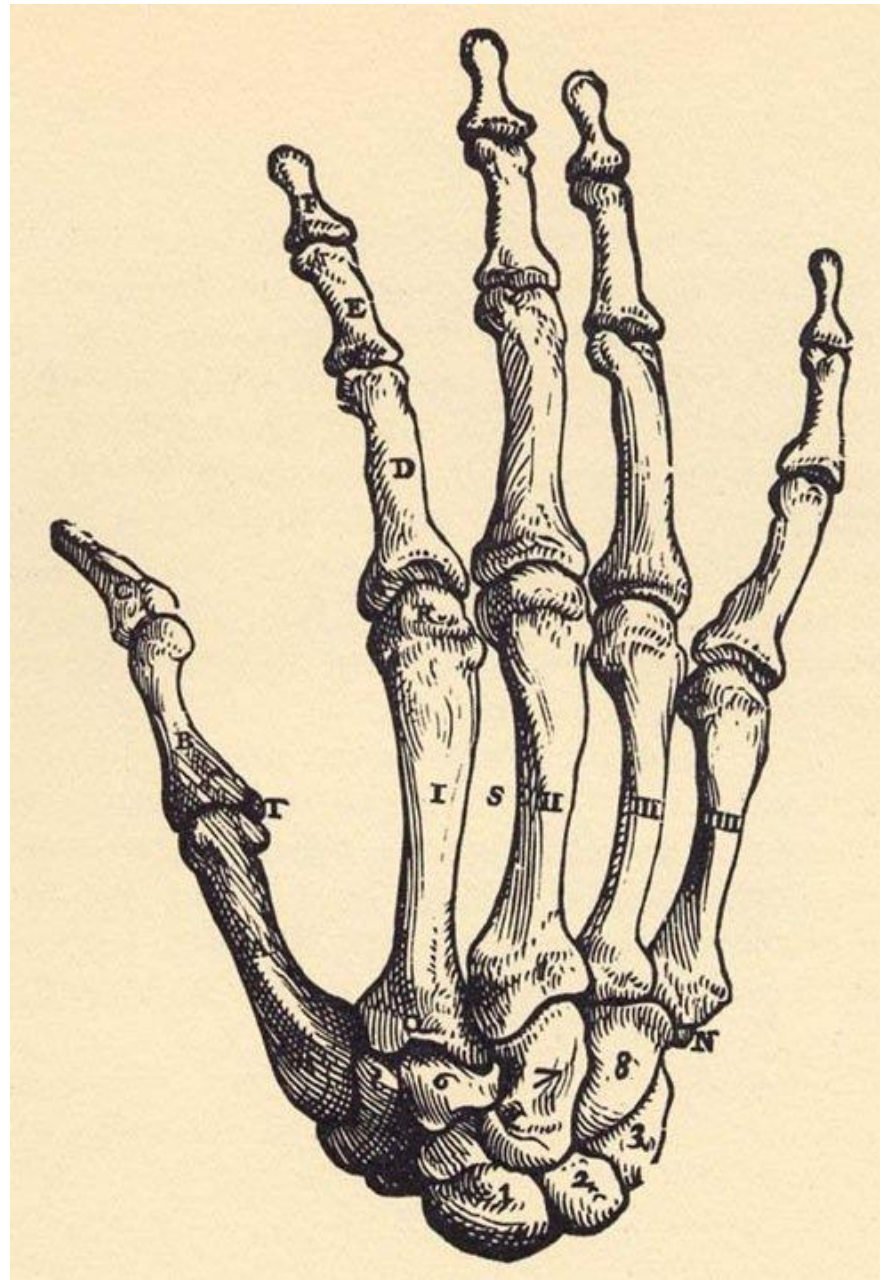
(1452-1519)

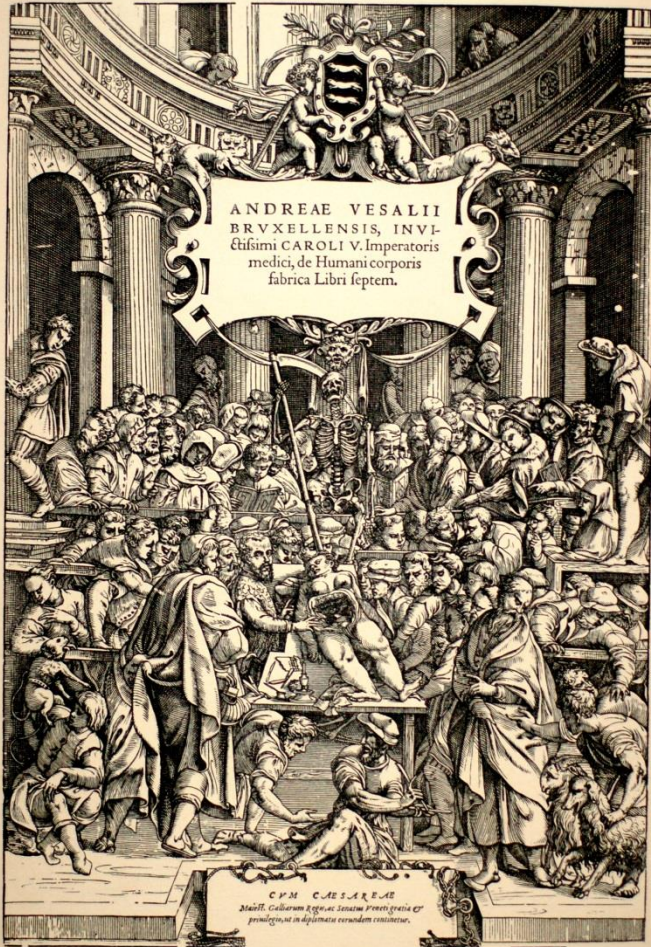




Andreas Vesalius  
Bruxellensis

(1514-1564)

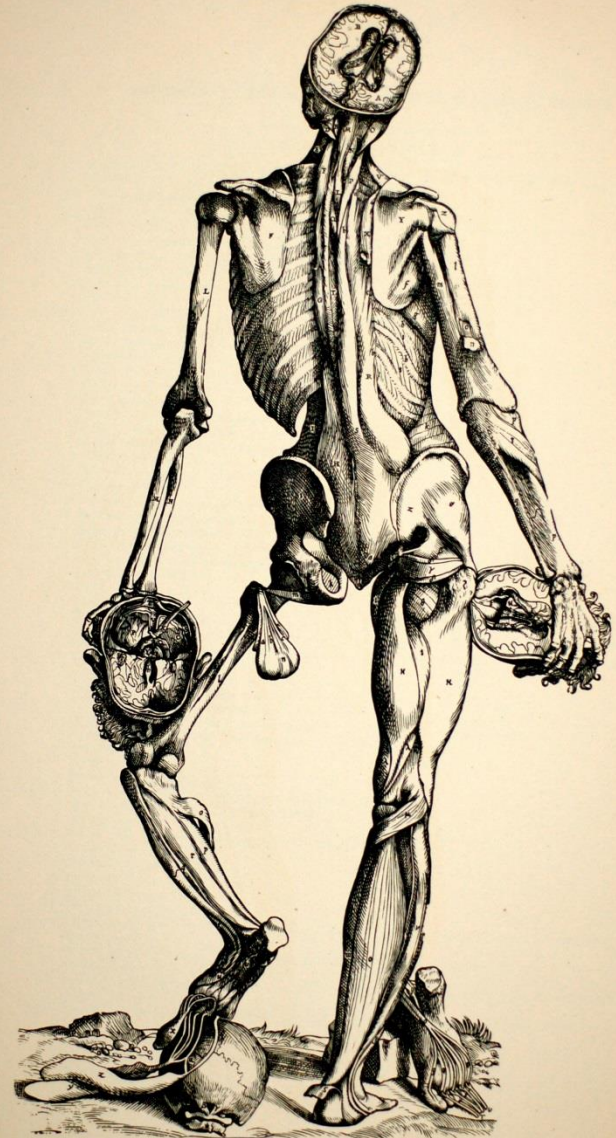


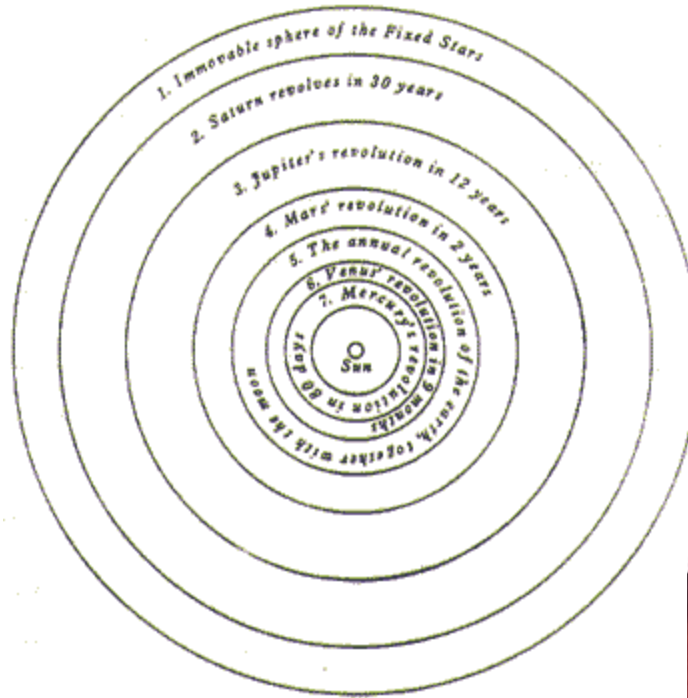
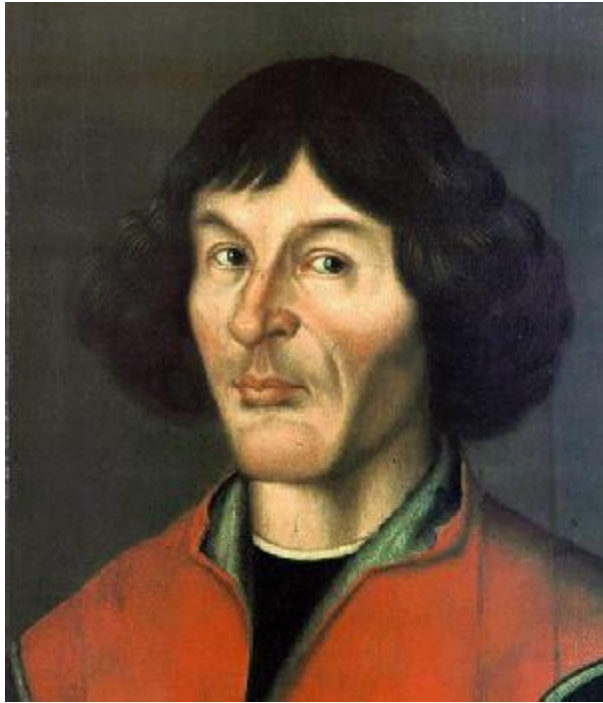


ANDREAE VESALII  
BRUXELLENSIS, INVICTISSIMI CAROLI V. Imperatoris  
medici, de Humani corporis  
fabrica Libri septem.

CM CAESAREAE  
Majest. Calorum & regum totius Europae gratia et  
privilegio, ac in diplomate coronandae concessit.

BASILEAE, PER IOANNEM OPORINUM





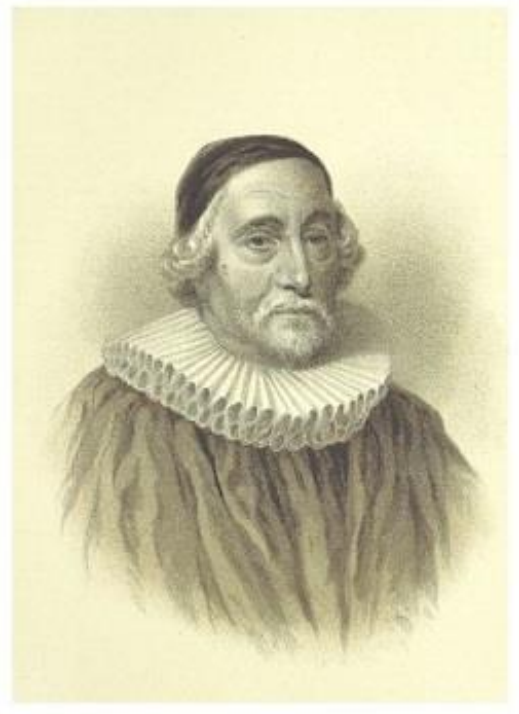
**Nicholas Copernicus**  
(1473 – 1543)

# martyrs of natural science

- **Roger Bacon** – imprisoned 1277-1292 for experiments on the nature of light, size of the Earth
- **Pietro d' Abano** – died in Papal prison (1316) for arguing that Earth is a sphere
- **Cecco d'Ascoli** – burned at the stake (1327) for predicting eclipses
- **Nicholas Copernicus** (1473-1543) – lived in paranoia to protect his theory
- **Michael Servetus** – burned at stake (1553) for contesting actual geography of Judea with biblical accounts
- **Giordano Bruno** - burned at the stake (1600) for teaching Copernican theory
- **Lucilio Vanini** – tongue torn out, burned at the stake (1619) for espousing a scale of life forms, from simplest to most complex
- **Marco Antonio de Dominis** – burned at the stake (1624) for his theory of tides, optical theory of rainbow
- **Galileo Galilei** – harassed and imprisoned (1612-1642) for Copernican teaching

James Usher (1581-1656)

“4004 BC”







Nicholas Steno  
(1638-1686)





Isaac Newton (1642-1727)



James Hutton  
(1726-1797)

## Theory of the Earth





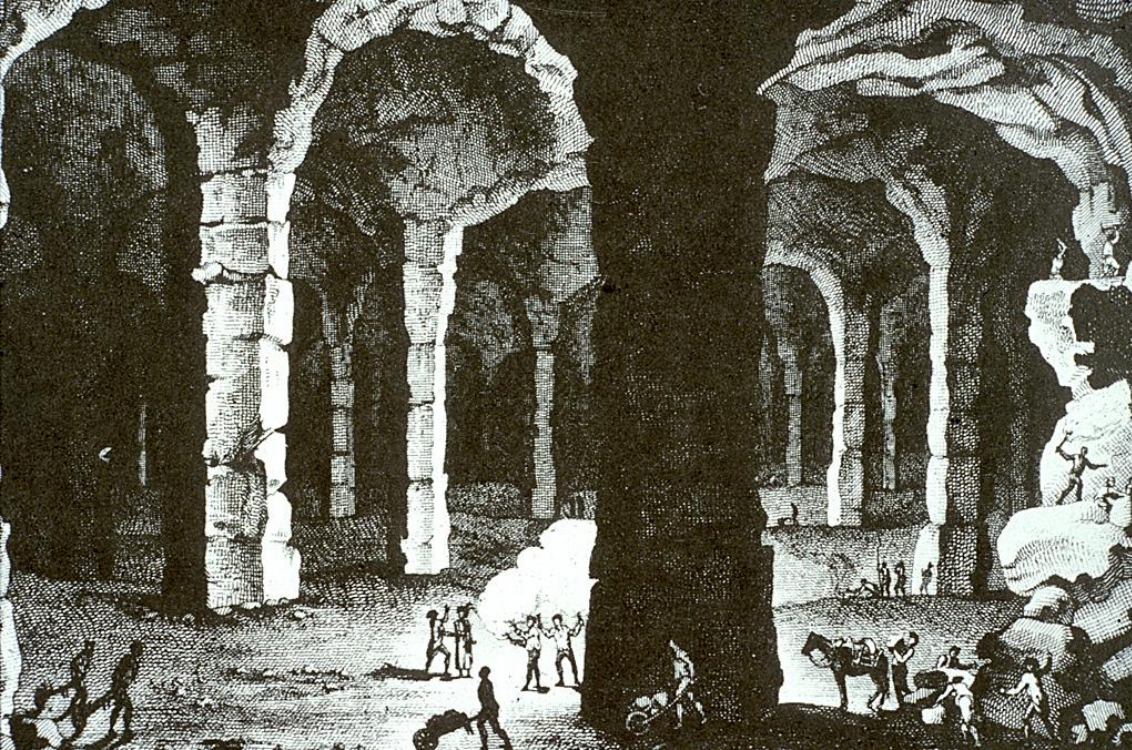
Georges Cuvier  
(1769 – 1832)

Extinction  
&  
Lost Worlds

*Georges Cuvier*

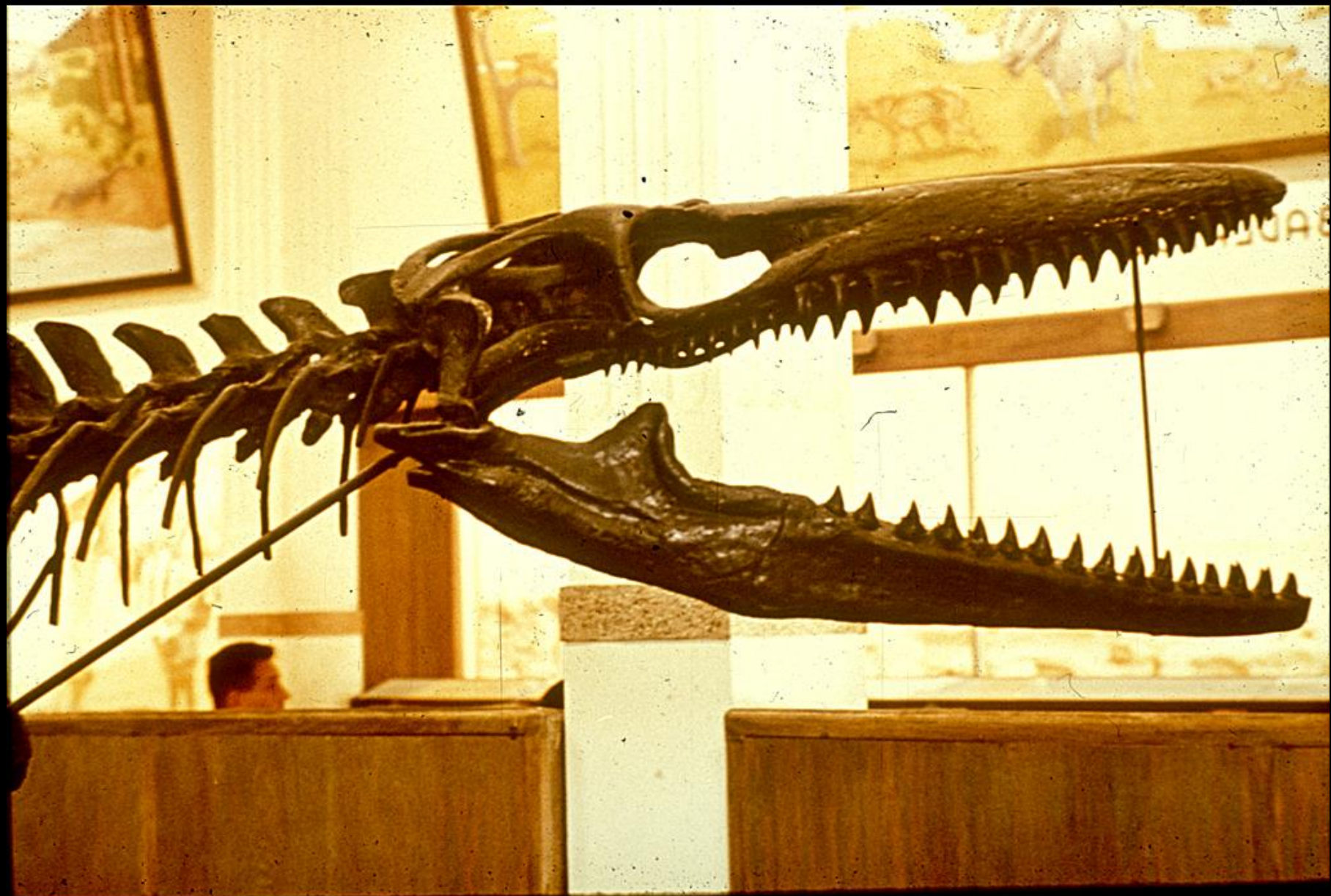
*Born at Montbéliard, Aug<sup>st</sup> 25<sup>th</sup> 1769.  
Died at Paris, May 13<sup>th</sup> 1832.*





*Mosasaurus  
hoffmani*

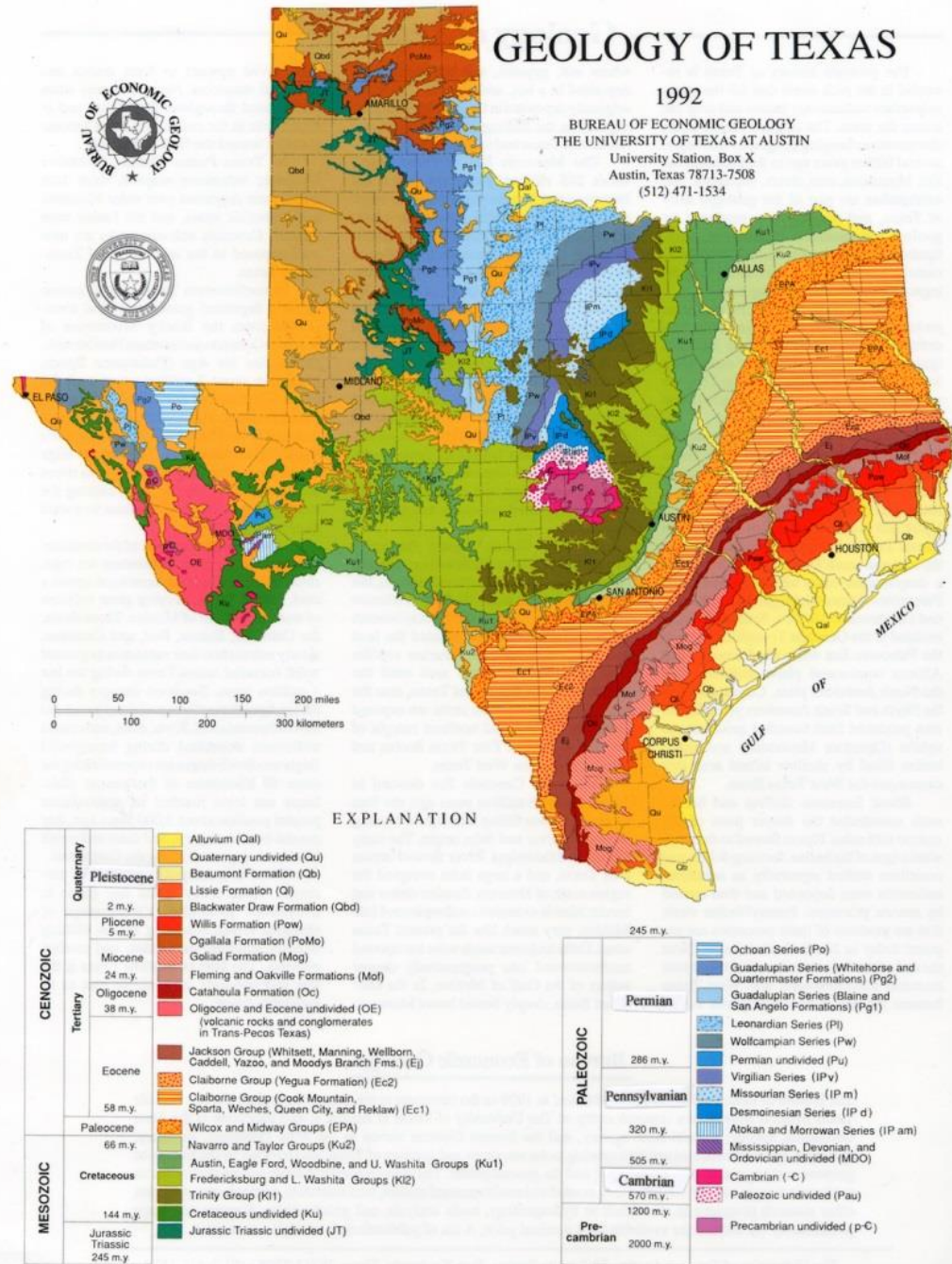






William Smith (1769 – 1839)

“The Map that Changed the World”



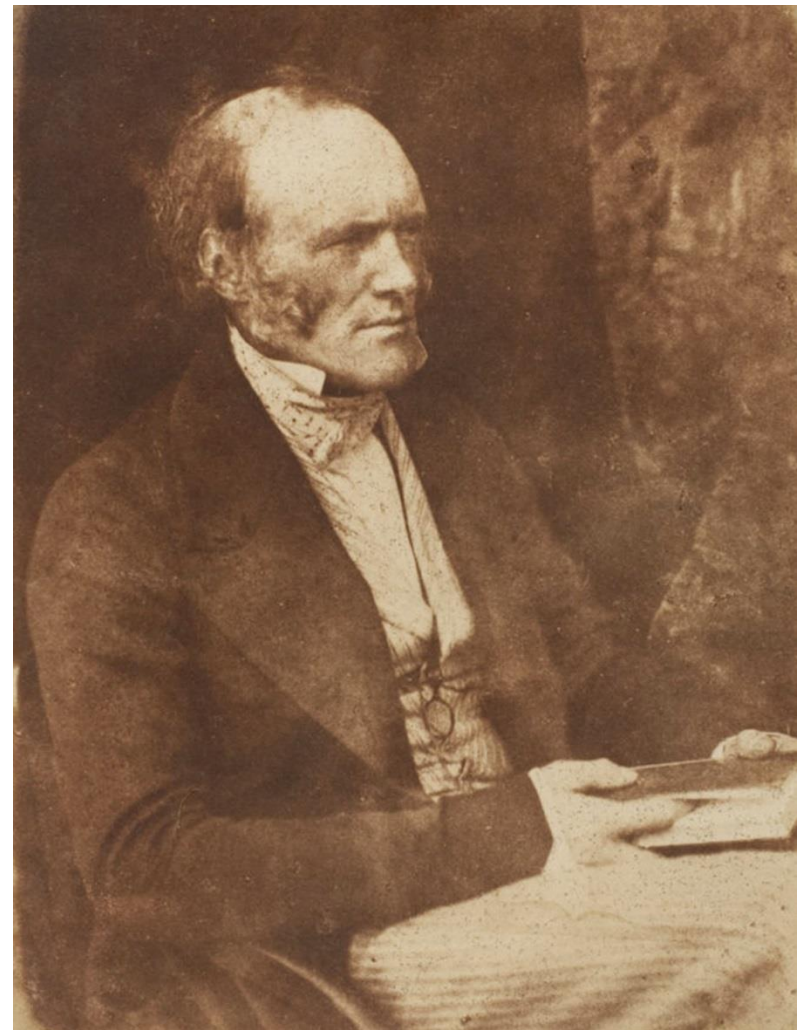




PENGUIN  CLASSICS

**CHARLES LYELL**

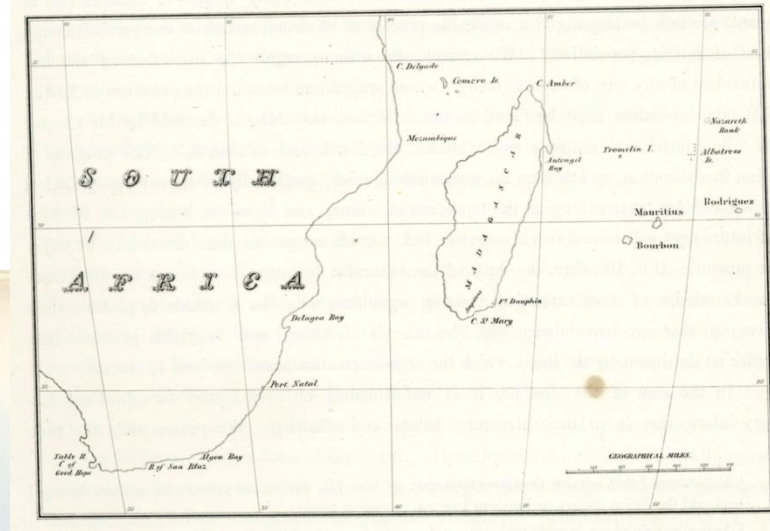
*Principles of Geology*



Charles Lyell (1797 – 1875)

Deep Time

1848 – “Anthropocene”



Fac-simile of Savery's picture of the DODO, in the Royal Gallery at Berlin.

THE  
**DODO AND ITS KINDRED;**  
OR THE  
HISTORY, AFFINITIES, AND OSTEOLOGY  
OF THE  
**DODO, SOLITAIRE,**  
AND  
OTHER EXTINCT BIRDS

OF THE ISLANDS MAURITIUS, RODRIGUEZ, AND BOURBON.

BY

**H. E. STRICKLAND, M.A., F.G.S., F.R.G.S.,**  
PRESIDENT OF THE ASHMOLEAN SOCIETY, &c.,

AND

**A. G. MELVILLE, M.D. EDIN., M.R.C.S.**



“PES et CAPUT uni  
Redduntur formæ.”—*Hor.*

LONDON:  
REEVE, BENHAM, AND REEVE, 8, KING WILLIAM STREET, STRAND.

1848.

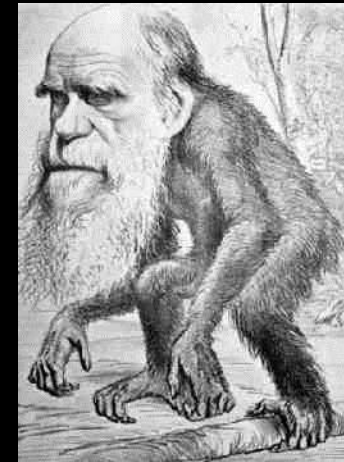
## INTRODUCTION.

AMONG the many remarkable results connected with Organic Life which modern Science has elicited, the chronological succession of distinct races of beings is one of the most interesting. Geology exhibits to us the vast diversity of organized forms which have supplanted one another throughout the world's history, and in dealing with this remarkable fact, we are led to search out the causes for these exits and entrances of successive actors on the stage of Nature. It appears, indeed, highly probable that Death is a law of Nature in the Species as well as in the Individual; but this internal tendency to extinction is in both cases liable to be anticipated by violent or accidental causes. Numerous external agents have affected the distribution of organic life at various periods, and one of these has operated exclusively during the existing epoch, viz. the agency of Man, an influence peculiar in its effects, and which is made known to us by testimony as well as by inference. The object of the present treatise is to exhibit some remarkable examples of the extinction of several ornithic species, constituting an entire sub-family, through Human agency, and under circumstances of peculiar interest.

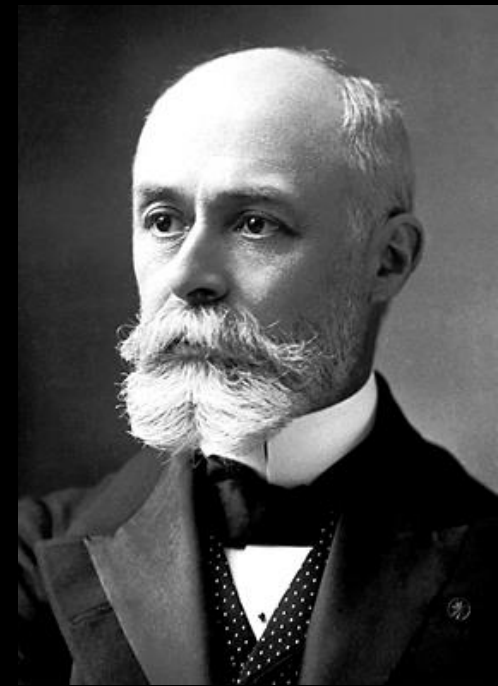
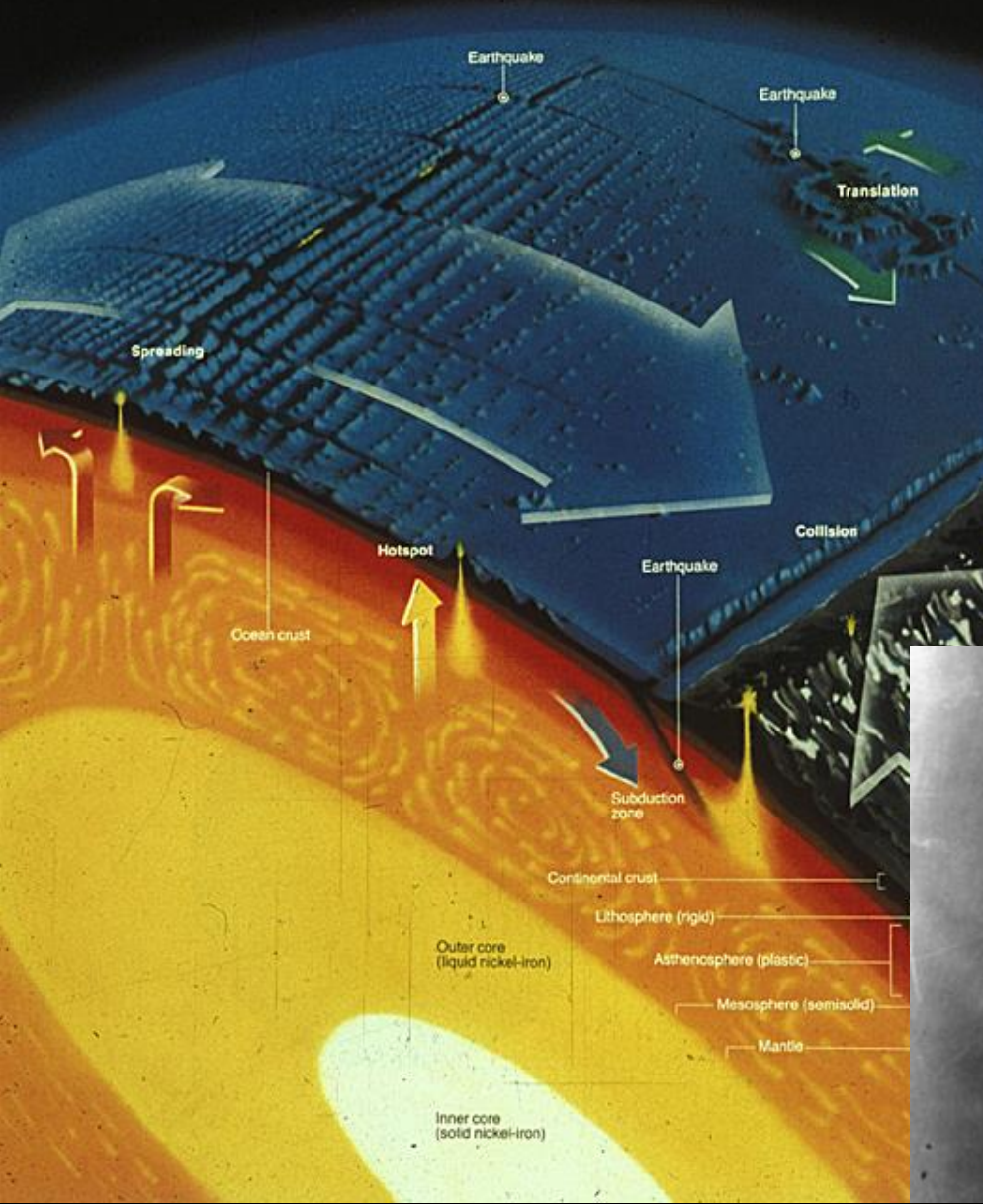
# Charles Darwin

(1809 – 1882)

Evolution  
by  
Natural Selection



# Natural Radioactivity – produces heat



Henri Becquerel (1852 – 1908)



Marie Curie (1867 – 1934)

Arthur Holmes (1890 – 1965)  
Radiometric Dating

