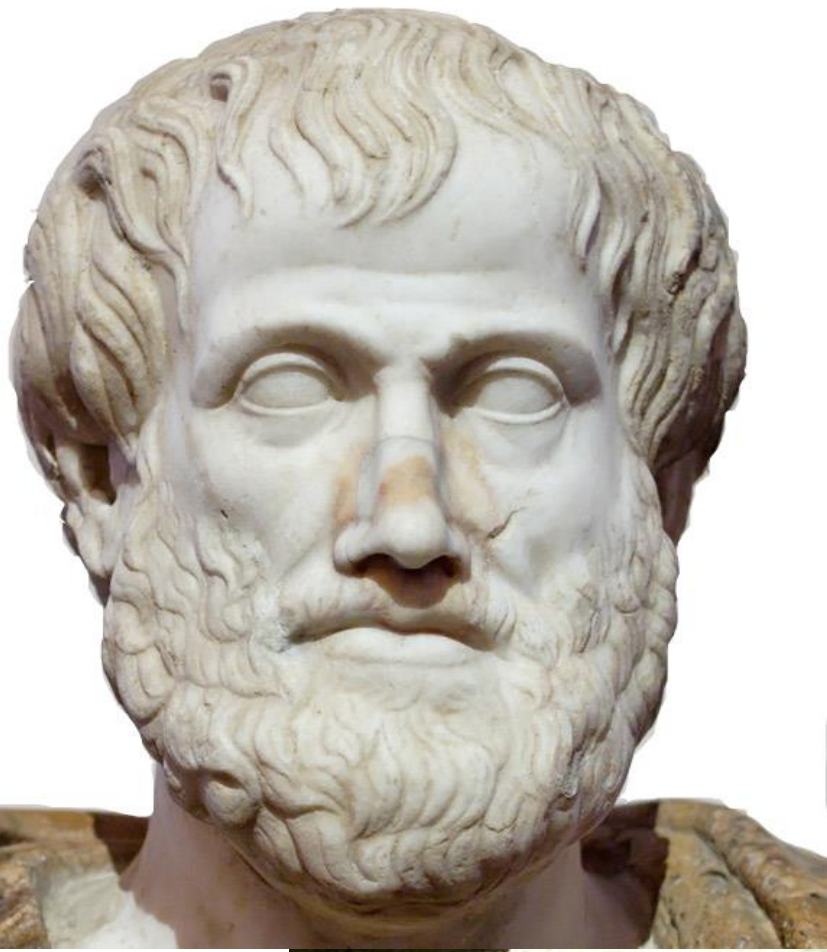




Discovery
of *Time*

=

Discovery
of *Nature*

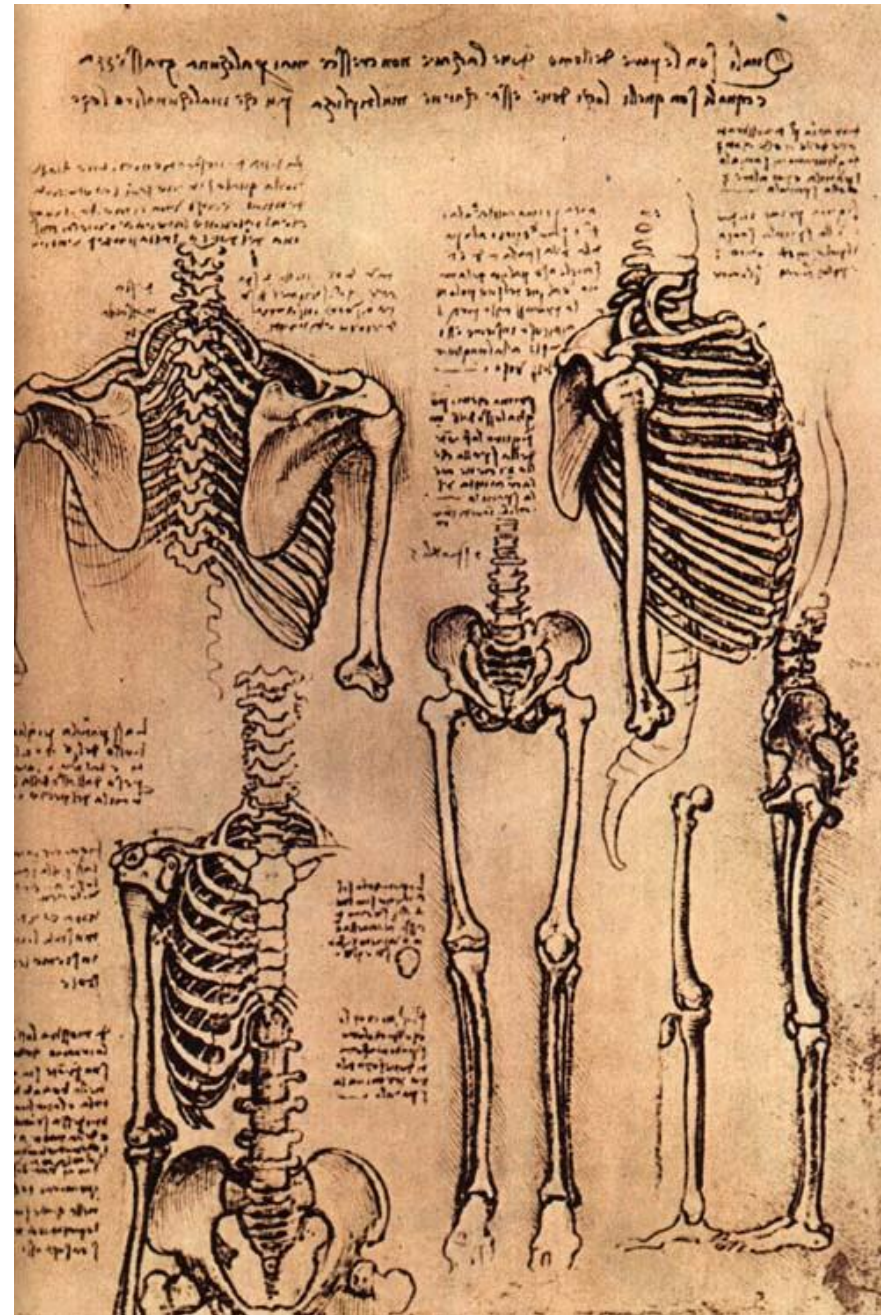
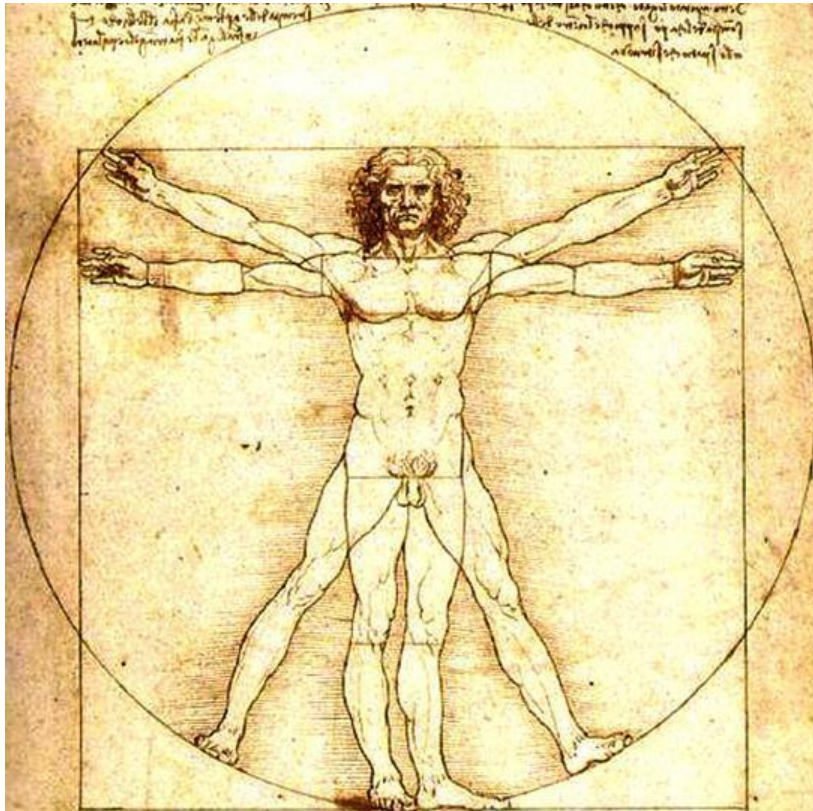


Aristotle
(384-322 BC)



Leonardo da Vinci

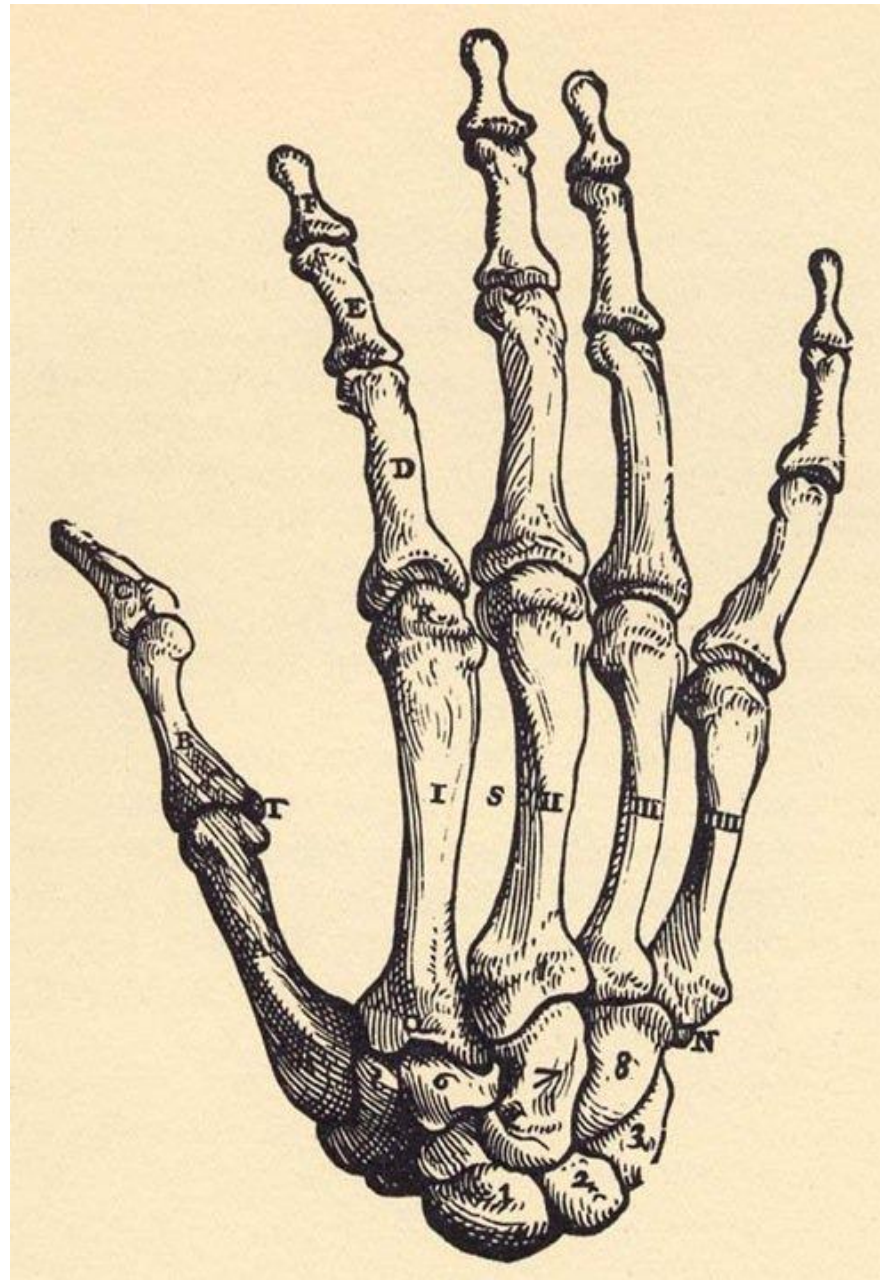
(1452-1519)

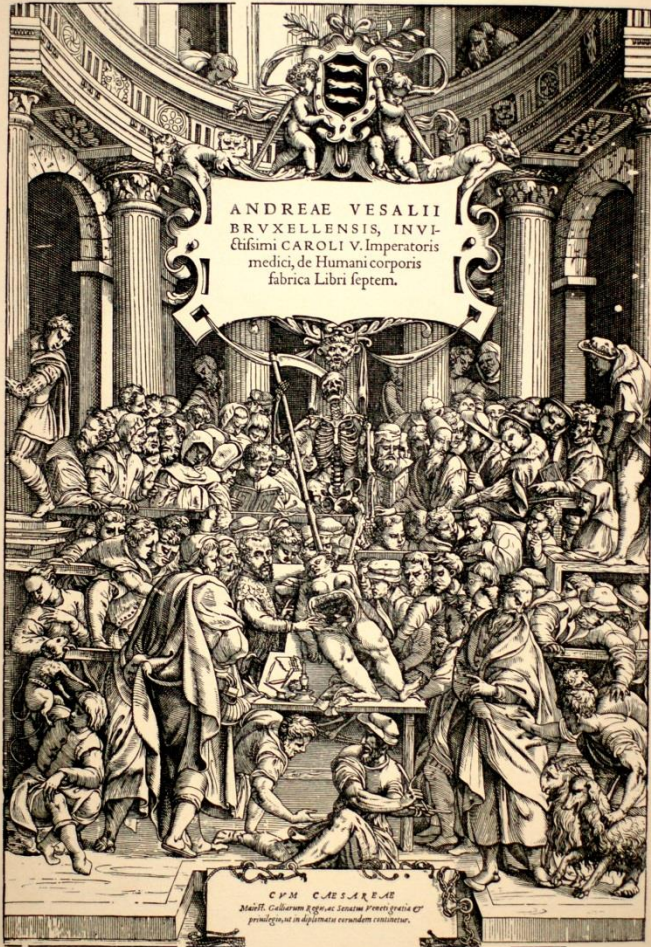




Andreas Vesalius
Bruxellensis

(1514-1564)

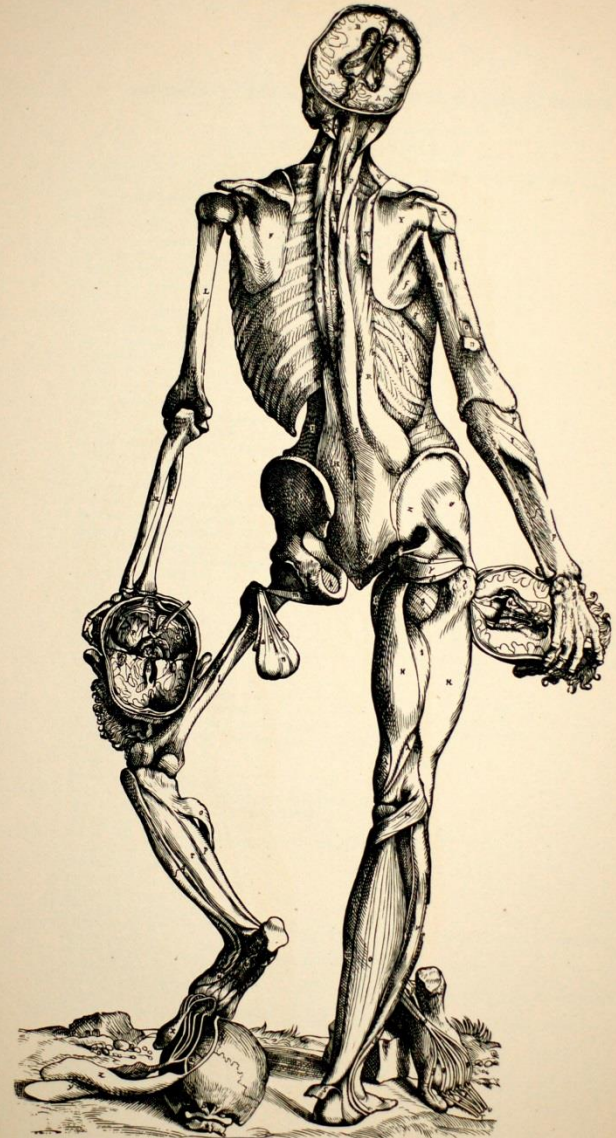


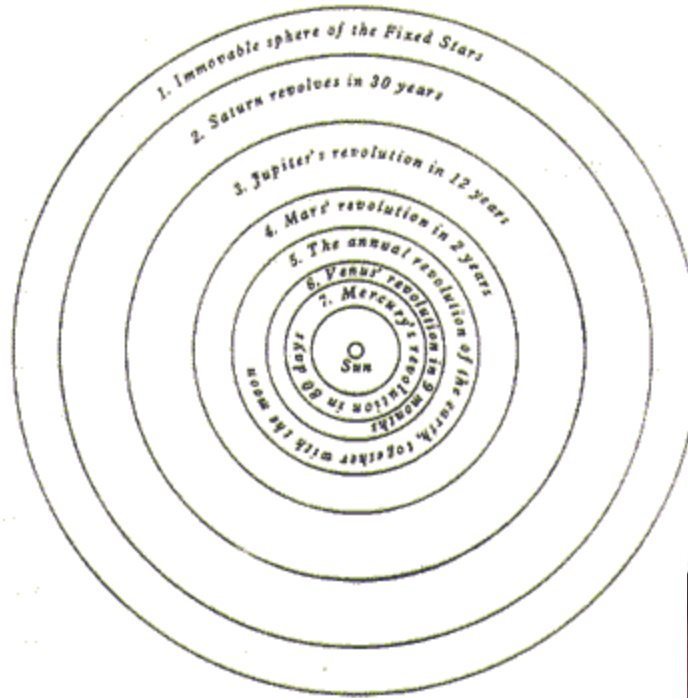
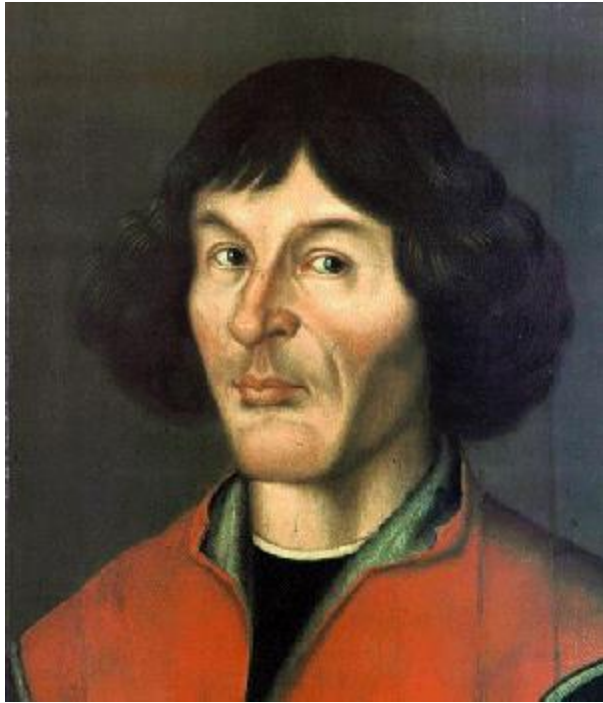


ANDREAE VESALII
BRUXELLENSIS, INVICTISSIMI CAROLI V. Imperatoris
medici, de Humani corporis
fabrica Libri septem.

CVM CAESAREAE
Majest. Calorum & regiae Senatus Praerogativa et
privilegio, ac in diplomate curandae concessae.

BASILEAE, PER IOANNEM OPORINUM





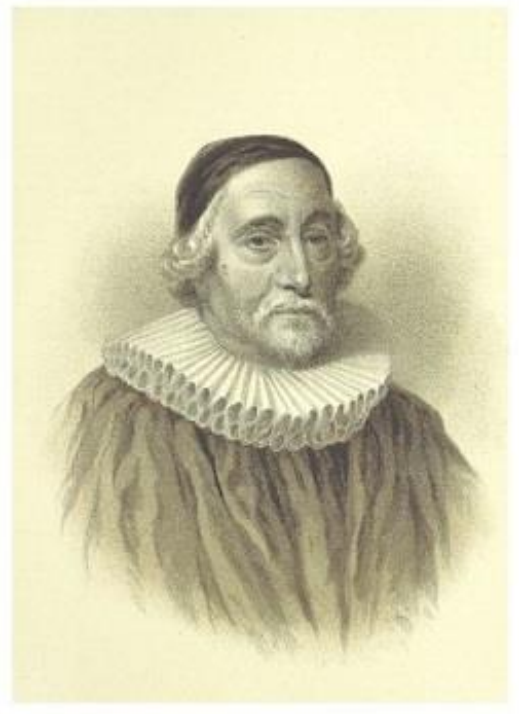
Nicholas Copernicus
(1473 – 1543)

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





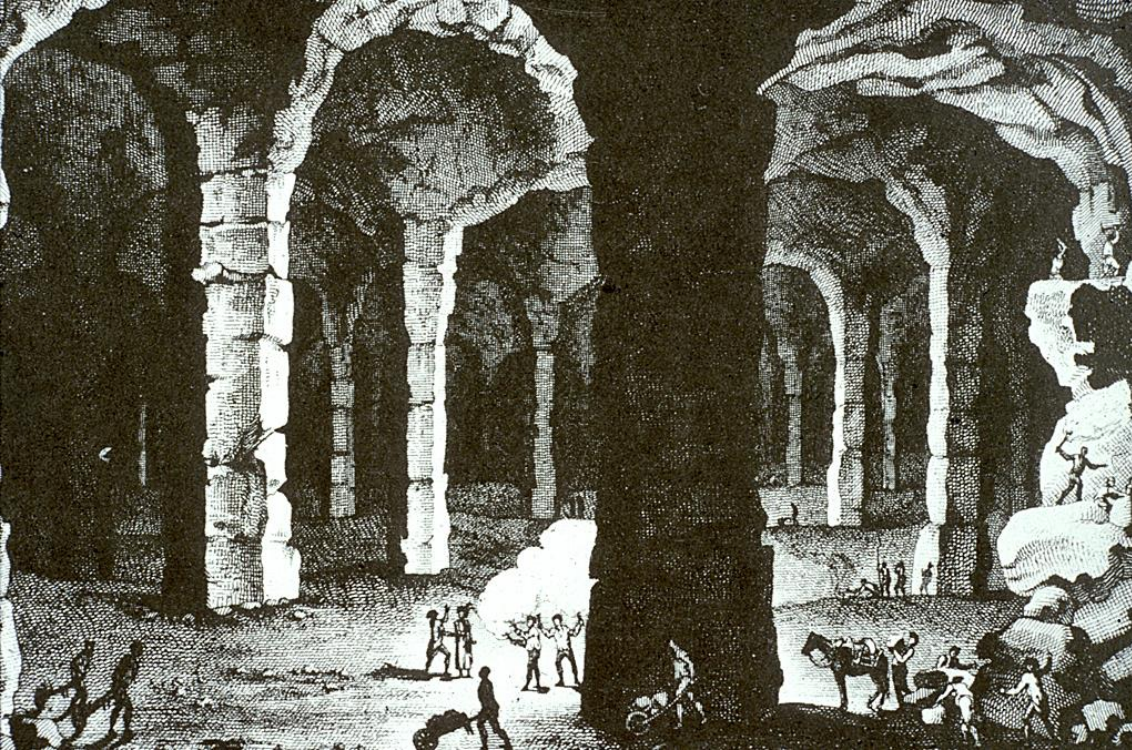
Georges Cuvier
(1769 – 1832)

Extinction
&
Lost Worlds

Georges Cuvier

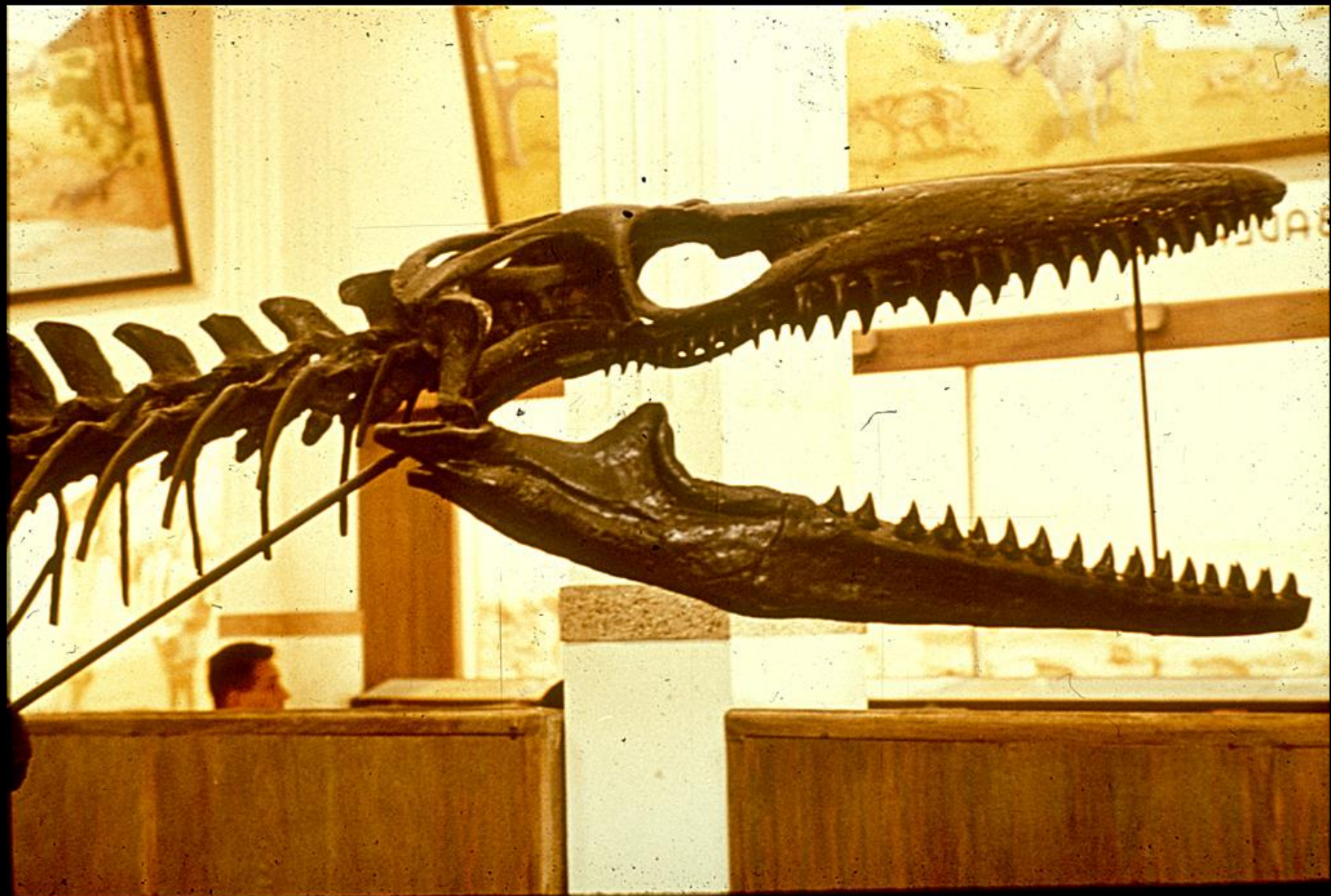
*Born at Montbéliard, Augst 25th 1769.
Died at Paris, May 13th 1832.*





*Mosasaurus
hoffmani*

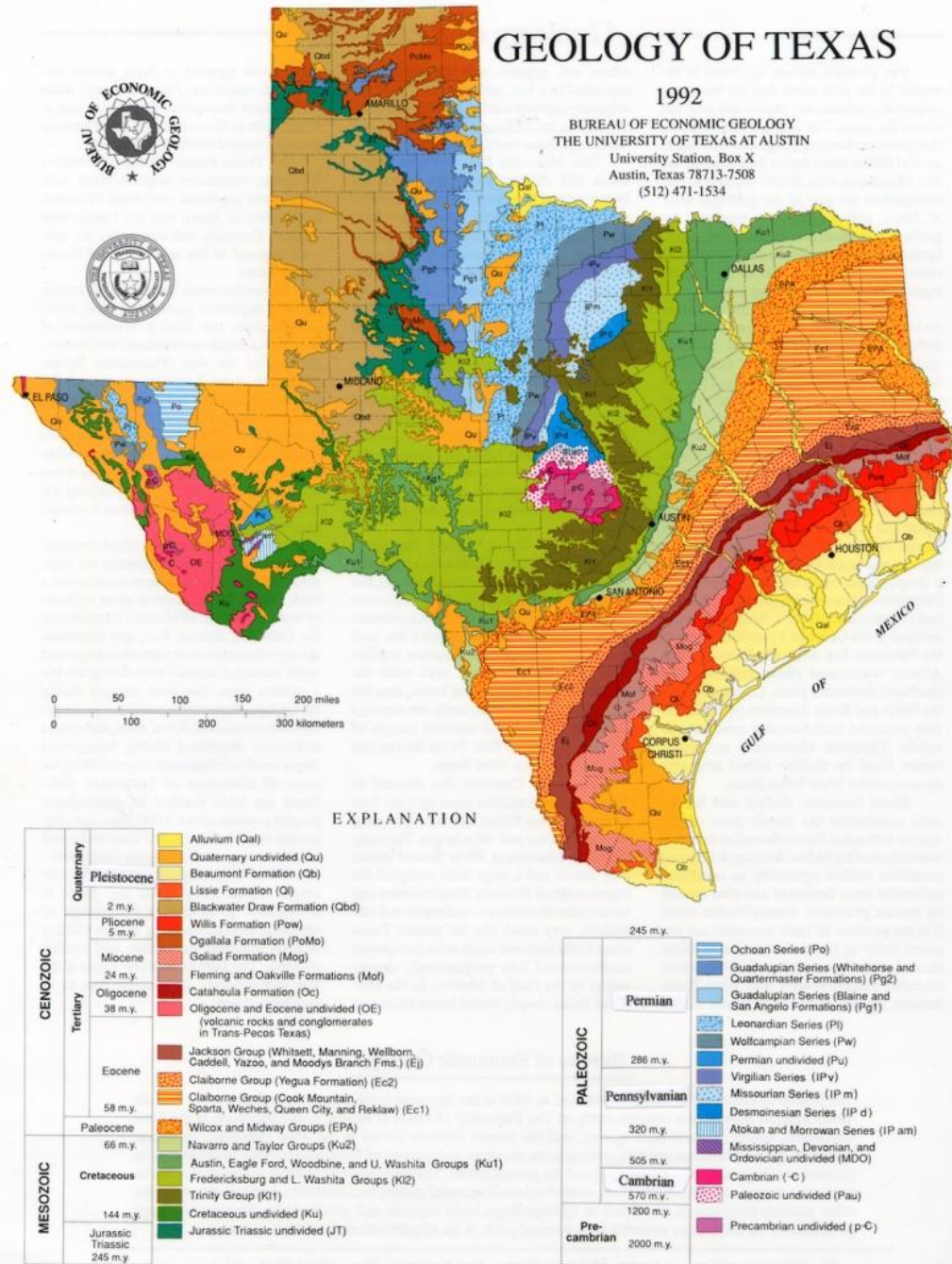






William Smith (1769 – 1839)

“The Map that Changed the World”

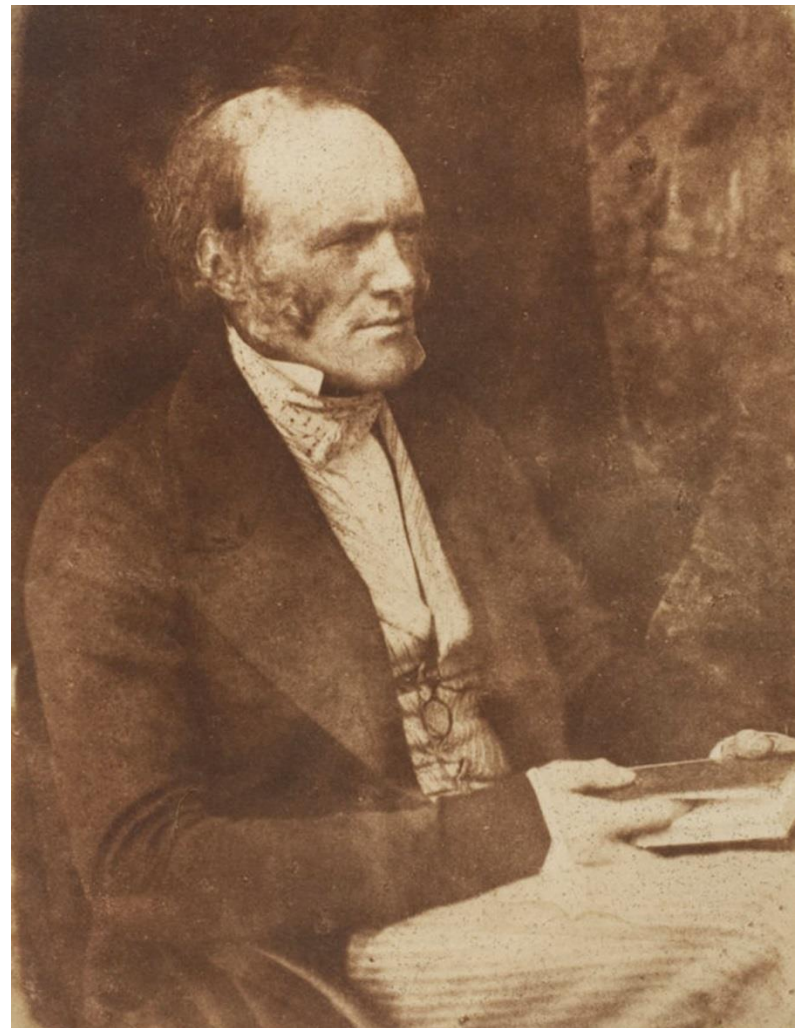




PENGUIN  CLASSICS

CHARLES LYELL

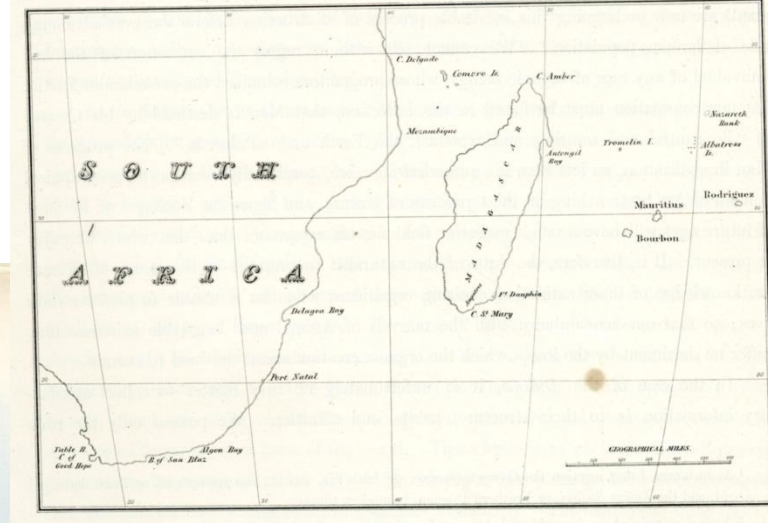
Principles of Geology



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.

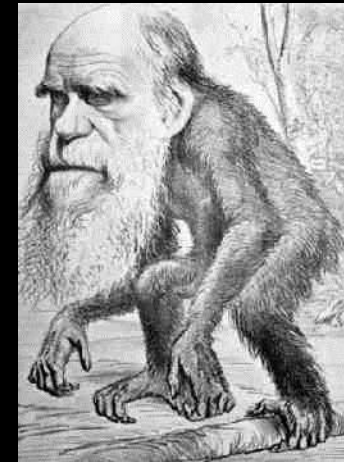
INTRODUCTION.

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.

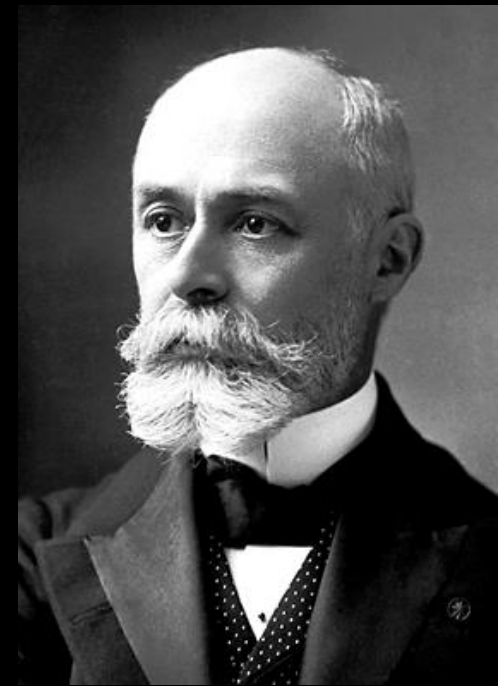
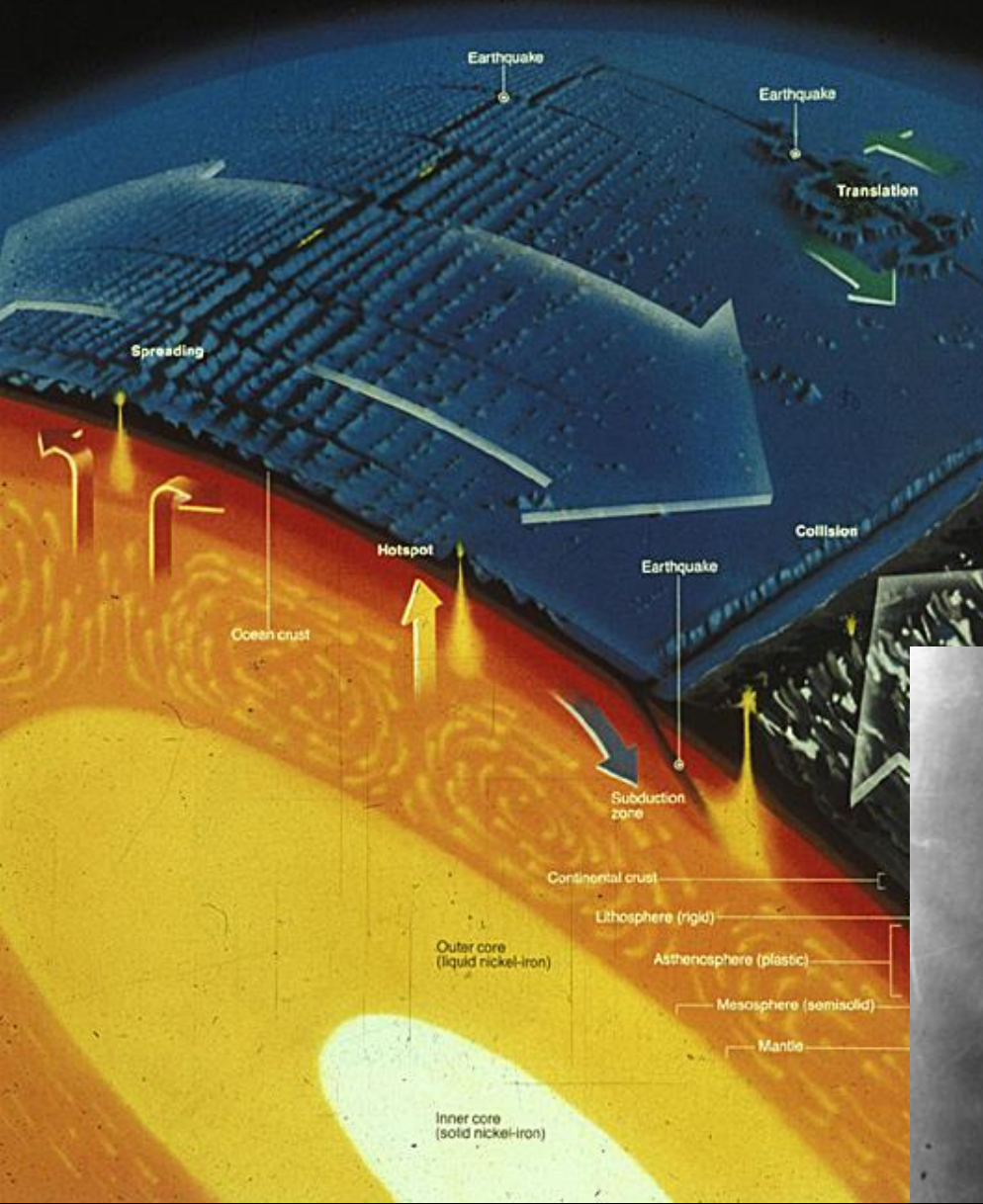
Charles Darwin

(1809 – 1882)

Evolution
by
Natural Selection



Natural Radioactivity – produces heat



Henri Becquerel (1852 – 1908)



Marie Curie (1867 – 1934)

Arthur Holmes (1890 – 1965)
Radiometric Dating

