

Dylan Black

Lecture 32:

Witches, Sorcerers, Rise of Enlightenment

Scientific Revolution - 17th Century

Sir Francis Bacon - inductive reasoning

- getting data & making conclusions

- 4 idols

 - Tribe

 - Cave

 - Marketplace

 - Theatre

Scientific Method

- induction + experimentation

Supernatural explanations did not just disappear

Witch Hunts

Central Europe + Scotland

- most important

Ireland + Iberian

- least important

Belief in a personal devil

- 1) Maleficium - evil acts

- 2) Devil worship

Malleus Maleficarum - 1480s

- Brought together maleficium + devil

- Women are weaker, easily manipulated

- Intellectual shew

Why Women?

- "naturally susceptible of superstition"

- Easily corrupted

- Historiographic debate

 - Russia - men tried for sorcery

- Older women, widows, crochets, didn't have a social structure
- age can be deconstructed as well
- Soc argue economic change impacted witchcraft

Scotland + Witches

- Jan VI/II - Daemonologie

René Descartes (1596-1650)

- Rationalism
 - Idea that human reason > faith, using the mind
 - not an empiricist
- Cartesian Dualism
 - mind + body are 2 totally separate things
- Cogito ergo sum - I think therefore I am
 - ultimate skeptical approach
 - thinking proves I exist
- More comparable to Plato side of School of Athens
 - Plato is the "what if" guy

<u>Rationalism</u>	vs.	<u>Empiricism</u>
Deduction, a priori	!	Deductive, a posteriori
Scholastics, Plato, Descartes	:	Aristotle, Bacon, Locke, Newton
↳ Aquinas, etc.		

Robert Boyle

Robert Hooke

Edmund Halley

Margaret Cavendish, Duchess of Newcastle

Newton's contributions

- Optics
- gravity
- 3 laws of motion
 - Law of inertia
 - $\sum \vec{F} = m \cdot \vec{a}$
 - Action equal opposite reaction
- Calculus
- Principia Mathematica (1687)

Scientific Societies

- Academia dei Lincei (1603)
- The Royal Society (1660)
- Académie des Sciences (1666) - Colbert
- Academy of Science, Berlin (1700)

Growth of a "Public Sphere"

- England
- France
- The Netherlands

Newton's view on religion

- Science's complexity proves the existence of a creator

Order from Chaos

- new view of the world
- William Blake
- divine mechanism, Deism

Sci. Rev. \Rightarrow Enlightenment

Key Vocab

- "paradigm shift" - T. Kuhn
- "public sphere" - J. Habermas
- "Republic of Letters"
- "Grand Tour"
- "Salons"

The Enlightenment - 1687 - 1789

- The Encyclopédie
 - Diderot + Alembert
- discontents
 - problem with thinking about progress or advancement
- pushing back
 - all about reason, knowledge, democratization of that knowledge