WEEK 1. INTRO, OVERVIEW. PREFACE THRU PAGE 39. K.H.


WEEK 4. “INEQUALITY NOW”, PAGE 97-121. D.N.

WEEK 5. HUMAN FLOURISHES, PAGES 121-157, 200-322. K.H., D.N.

WEEK 6. PROGRESS SUMMARY, PAGE 322-454. K.H., D.N.

MODERATORS: KIRT HOBLER AND DAN NAGEL
DISCUSSION QUESTIONS FOR TOCAY

1. HUMAN NATURE: ANGELS? DEMONS?
2. WHY HAS VIOLENCE DECLINED?
3. WHAT WAS ENLIGHTENMENT IN THE 1700s?
4. WHAT IS ENLIGHTENMENT TODAY?
2011

# HOMICIDES/100,000/YR.

Nonstate

State

FIGURE 2-4. Homicide rates in the least violent nonstate societies compared to state societies

*Note: *Kung and Central Arctic Inuit Gal, 2006; Lee, 1982; Semai: Krauß, 1987; Ten largest cities: Zimring, 2007, p. 120; United States; FBI Uniform Crime Reports; see note 73. Western Europe (approximation): World Health Organization; see note 66 to chap. 3. p. 701.

Percentage of deaths in warfare

- Prehistoric archaeological sites: 15%
- Hunter-gatherers: 14%
- Hunter-horticulturalists & other tribal groups: 24%

<1% 5000 ya THE STATE (THE LEVIATHAN)
               2. Dominance.  3. Revenge.  4. Sadism.  
               4. Reason.  
FIVE HISTORICAL FORCES:  1. The Leviathan. 2. Commerce.  
               5. The Escalation of Reason.  
SIX TRENDS:  1. The Pacification Process, hunter-gatherer to 
               agrarian 5000 yrs ago. (Millennial scale)  
2. The Civilizing Process. Feudal to 20 cent. Nation 
               states 10-50x reduction in homicide. (1/2 Millennial)  
3. Humanitarian Revolution, renaissance, age of 
               reason, enlightenment, (century scale)  
4. The Long Peace: since WWII  
5. The New Peace: since end of cold war, 1989  
MENTAL REALM: PSYCHOLOGY?

René Descartes (1596 - 1650)
“The Father of Modern Philosophy”

I AM THINKING, THEREFOR I AM.

PHYSICAL REALM: MATHEMATICS

Galileo Galilei

Acceleration on Galileo’s Inclined Planes

Galileo found greater accelerations for steeper inclines. The ball attains max acceleration when the incline is tipped vertically.

F = G \frac{m_1 m_2}{r^2}
**ENLIGHTEMENT 1700s**

**“DARE TO KNOW”**

The highest activity a human being can attain is learning for understanding because to understand is to be free.

~ Baruch Spinoza

**REPRESENTATIVE GOVERNMENT**

- **John Locke** (1632–1704)
  - Government’s power is limited.
  - People have natural rights, such as life, liberty, and property.
- **Charles Louis Montesquieu** (1689–1755)
  - The powers of government should be separated into separate branches.
- **Jean-Jacques Rousseau** (1712–1778)
  - Governments should express the will of the people.
  - People enter into a social contract with their government giving it the right to create and enforce laws.

**CHECKS/BALANCES BY THE PEOPLE**

According to the 18th-century philosopher Immanuel Kant, the "motto" of the Enlightenment was

> "Sapere aude (dare to know)! Have courage to use your own intelligence!" (Kant, "What Is Enlightenment?" 1784)

**GOD IS NATURE**

- Cesare Beccaria & Justice
  - "For a punishment to be just it should consist of only such good and bad as are suffered to deter men from committing crimes."
  - "Happy is the nation without a Hangman."

**EMPIRICAL, SCIENTIFIC TRUTH**

**ADAM SMITH & LAISSEZ-FAIRE**

- "No society can finely be flourishing and happy, of which the poor greater part of the members are poor and miserable."
- "What can be added to the happiness of a man?"

**WEALTH MORALITY**

**SOCIAL CONTRACT**

**FREEOM**

**JUSTICE**

**MARY WOLKSTONECRAFT**

To be a good mother, a woman must have sense, and that independence of mind which few women possess who are taught to depend entirely on their husbands. Men wives are, in general, foolish mothers: wanting their children to lose them best, and take their part, in secret, against the father, who is held up as a scarecrow.
COUNTER ENLIGHTENMENTS: THE BIGGEST ENEMY OF ENLIGHTENMENT IS ENTROPY

ENLIGHTENMENT PLUS THE SCIENCE OF...

ENTROPY   EVOVOLUTION   INFORMATION

DISSIPATED
(POTENTIAL) ENERGY

Differential survival and reproduction - Individuals that have certain characteristics are better able to survive and reproduce than other individuals having different characteristics.