

LECTURE EIGHT:
THE IMPACT OF DARWINIAN THEORIES ON THE
TRADITIONS OF WESTERN THOUGHT

Terms and concepts to know:

Evolution	Fact vs. Mechanism Evolution
Natural Selection	"Survival of the Fittest"
Mendel / Genes / DNA	Progressive ("Tree-Shaped")
Nonprogressive ("Bush-Shaped")	Theist / Atheist Debate
Standard Social Science Model	Causal / Functional Explanation
Skinner / Behaviorism	Tinbergen / Ethology
Wilson / Sociobiology	Lorenz / Human Aggression
Chomsky / Cognitive Psychology	

Study and discussion questions:

1. Is science, in your view, a better methodology to discover the "truth" about human nature? Should secular, scientific, claims to a prescription of what is wrong with us be considered as controversial (and thus subject to rejection) as religious and philosophical prescriptions?
2. Examine the four empirical generalizations associated with Darwin's concept of natural selection. Can you find contemporary examples of natural selection at work?
3. Examine the progressive / nonprogressive and theist / atheist matrix. Where would you locate yourself at the present time? What evidence or experience might contribute to your movement elsewhere in this matrix?
4. Discuss Durkheim's position on *causal* vs. *functional* explanations in sociology. Do you agree with his suggestion that "social unity" and control of society's "values and beliefs" is the real origin of the idea of God or the sacred?
5. Debate Skinner's position that all animal behavior can be explained in terms of *environmental* variables. Can you think of some examples of human behavior that are innate and not subject to environmental influences?
6. Discuss and debate Lorenz's theories on human nature and aggression including: relationship to evolution (209); the "four big drives" and *intraspecific* v. *interspecific* aggression (213); the "ritualization" of fighting and the "inhibition mechanism" (214); differences in "degree or kind" along with the notions of "warrior virtues" and "militant enthusiasm" (215); and finally his diagnosis and prescription for the human dilemma of aggression.

Readings:

Stevenson / Haberman: *Ten Theories on Human Nature*, Chapter 10.

Video:

Charles Darwin: *Evolution's Voice*, from the A&E series, *Biography*.