Psychologist and primatologist

The first scientist to conduct language research with bonobos (Kanzi & Panbanisha) Managed to teach language to the bonobos (able to participate in until four-way conversations)

1970: beginning of Ape Language Research (ALR)

Apes are best thaught indirectly

1979: Herb Terrance- "Science"

Loss of funding for animal language research

all progress was based on cuing

There's a crucial period for apes to learn language

Memory is a vital component of language use

Language consists of "a large number of component parts and interacting function"

Cognitive scientist at Brown University

Student of Chomsky that has taken an oposite position

In order to understand language it is necessary to start with biology - evolution The physiology of breathing structures the way we speak

Apes don't make the full range of human sounds because of the physiology of their tongues.

1984: "The Biology and Evolution of Language"

Human syntactic ability is a product of the Darwinian mechanism of preadaptation

Darwin's evolution theory and Chomsky's innativism are incompatible

Dependent relationship between the motor control and the syntax of language

Parkinson's patients study

Connection between higher levels of language and the motor system - basal ganglia

1993: Mount Everest investigation

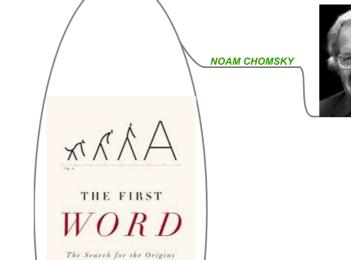
Similarity Parkinson patients - climbers: brain damage in the basal ganglia

Basal ganglia: essential in regulating speech

Basal ganglia motor control is characteristic of many animals

No innately human specialization for simple syntax

Language: part-primitive part-derived



of Language

SUE SAVAGE-RUMBAUGH

PHILIP LIEBERMAN

PAUL BLOOM & STEVEN PINKER

Linguist, philosopher, cognitive scientist, logician, activist 1955-present: working at Massachusetts Institute of Technology (MIT) 1950: master thesis / "The Logical Structure of Linguistic Theory"

1957: "Syntactic Structures"

1959: review of Skinner's "Verbal Behavior"

1965: "Aspects of the Theory of Syntax" (UG)

('poverty of stimulus')

performance

competence

against 'natural selection'

Detractors: B.F.Skinner, Charles Hokett, George Trager, the generative semanticists, Peter Matthews



Pinker: psycologist, cognitive scientist, linguist Harvard College professor; the Johnstone Family Professor of Psychology at Harvard University

Bloom: professor of psychology and cognitive science at Yale University coeditor of Behavioral and Brain Sciences

Supporters of the language evolution (against Gould, Chomsky and Massimo Piatelli-Palmarini's ideas abot language evolution)

Darwinian evolution and Chomsky's UG are compatible

1990: publication of their paper in Behavioral and Brain Sciences

Language evolved through natural selection because of the need of comunication

Comparison between eye and language

Rise of the language origin and evolution research

1994: Pinker- "The Language instinct"