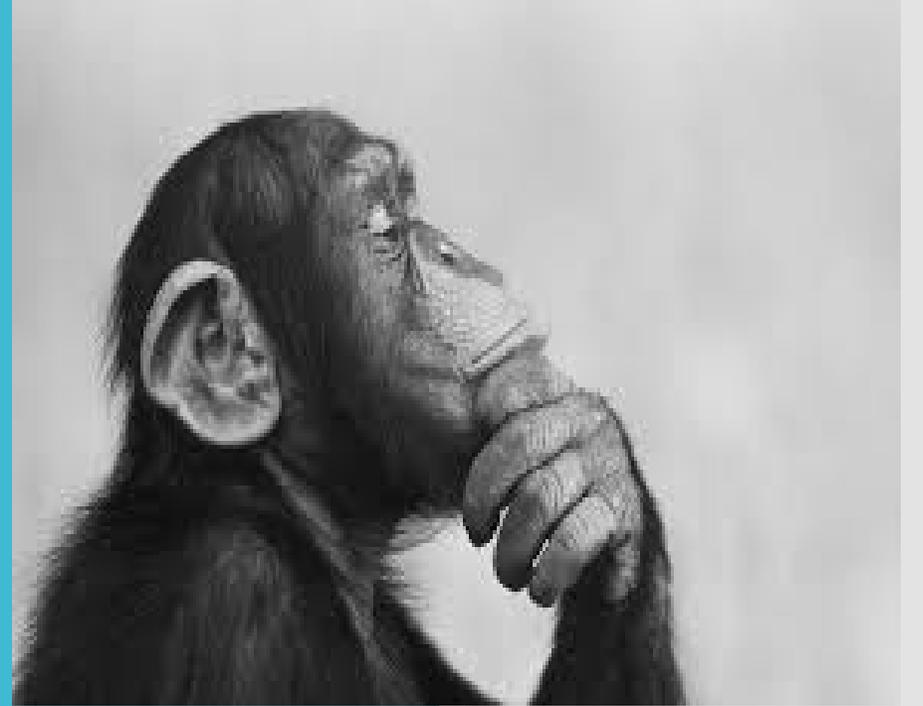


ANIMAL PSYCHOLOGY



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Avrupa Hayvan Davranışları ve Refahı Koleji



EUROPEAN COLLEGE OF
Animal Welfare and
Behavioural Medicine

Psychology

- **Psychology:** psyche (soul)
- Scientific study of behavior and mental processes
 - Perception
 - Cognition
 - Feelings
 - Experiences
 - Personality



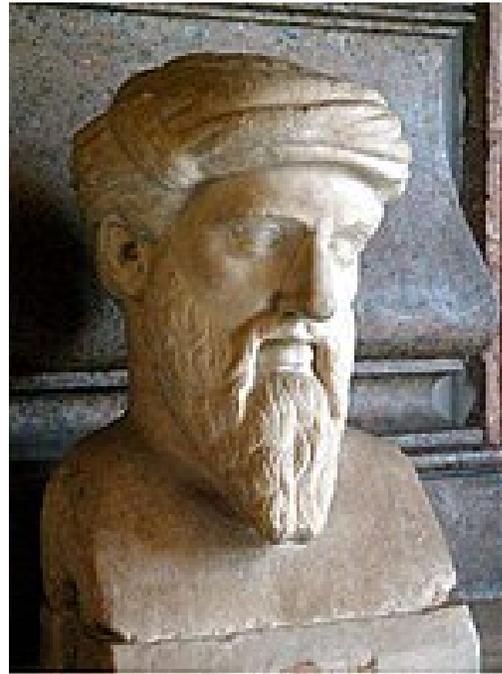
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Emotions

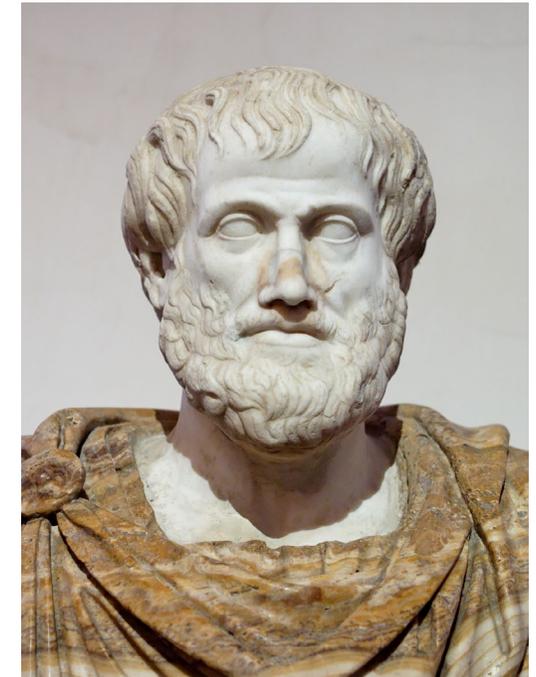
- **Pythagoras (BC. 580-500):**

«Animals and humans share the same soul»



Aristotle (BC.380-322):

«Animals do not have rational souls»

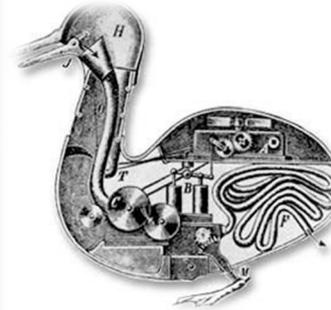


VS

- Descartes (1586-1650):
«Machine animals»

- C. Darwin (1809-1882):
«Emotional animals»

Emotions

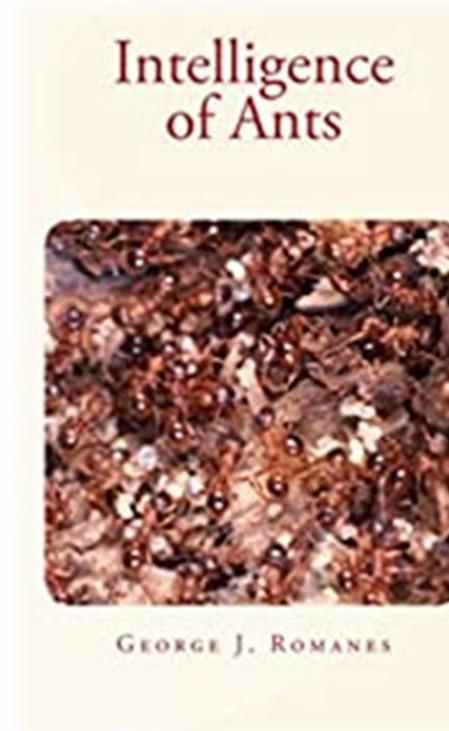


VS



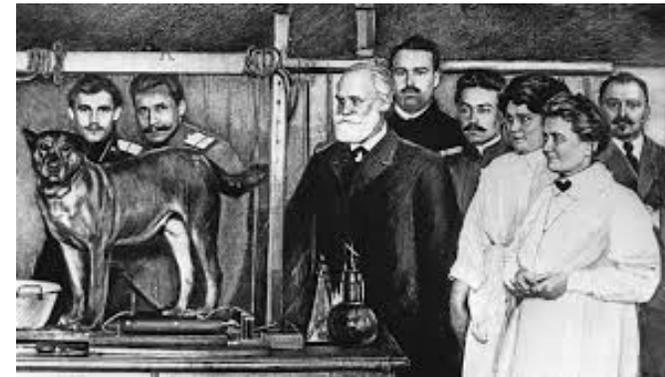
- Georges Romanes (1848-1894): «*Intelligent animals*»

Intelligent



Learning: Conditioned Reflexes

- Ivan Pavlov (1849-1936):
- Passive learning
- Reaction follows stimulus

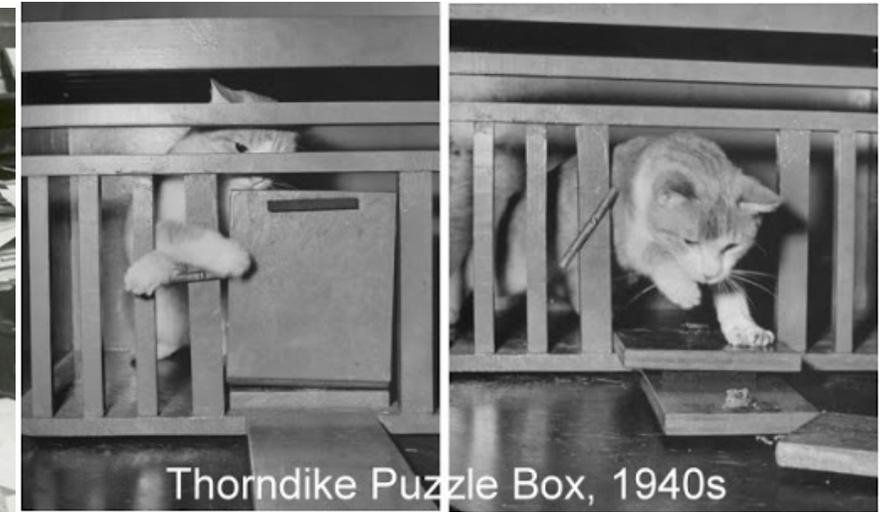


Examples from our lives



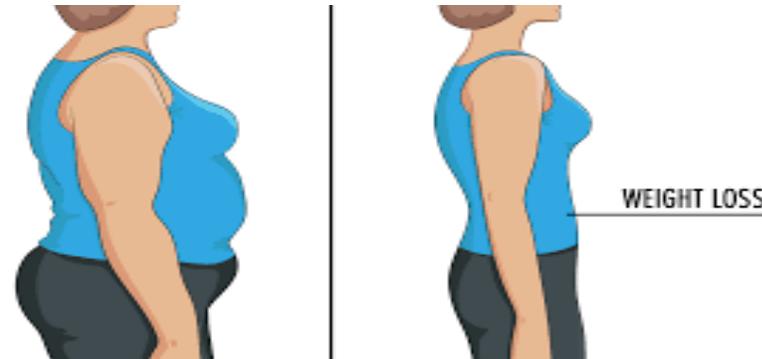
Learning: Operant Conditioning

- Edward Thorndike (1874-1949):
- Active learning
- Reaction before stimulus





Examples from ours lives

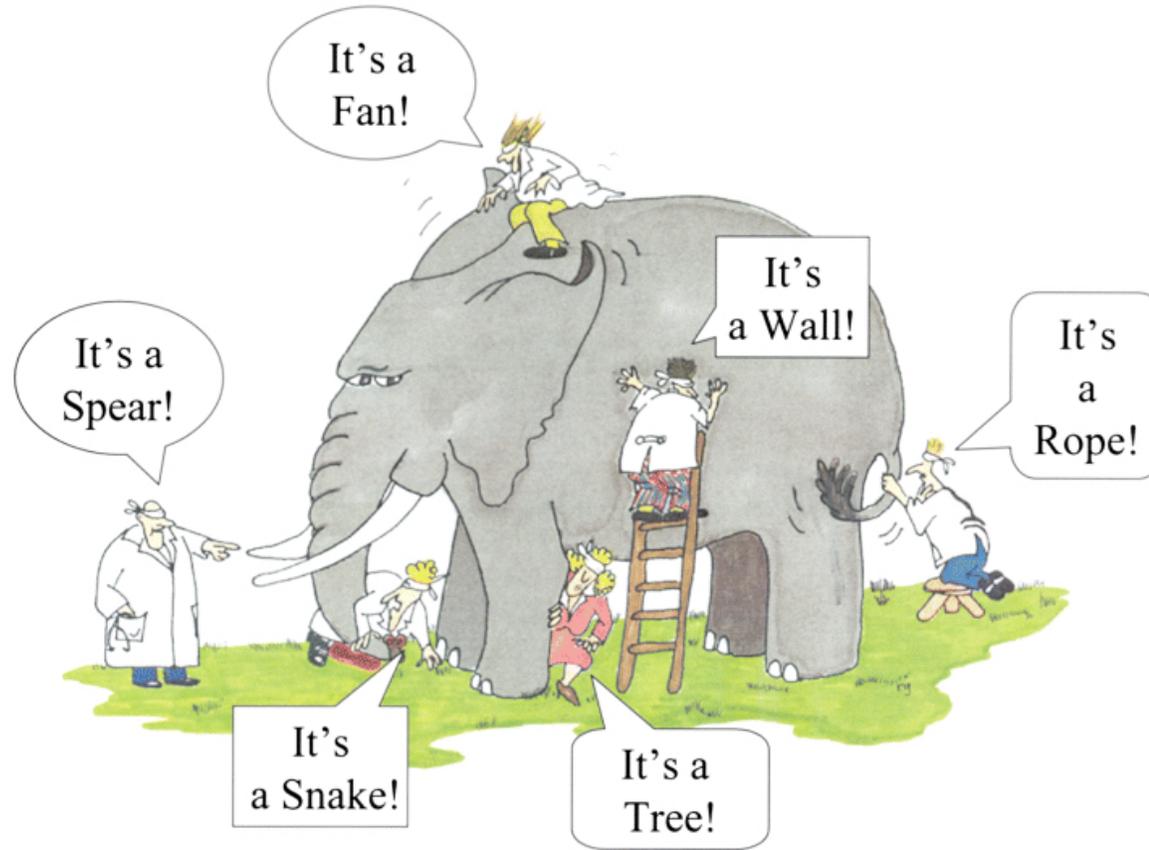


Clever Hans

- **O. Pfungst (1907):**
- Emotional intelligence of horses
- It changed the experimental contexts with animals



Six blind men and the elephant



Main idea of the story

- *"People's perceptions of reality are based on their own limited and subjective experiences."*



Animal World

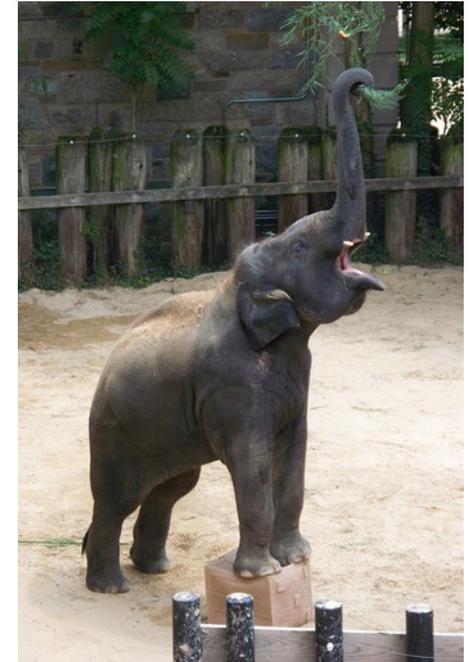
- **Frans De Waal:** «*The absence of evidence is not evidence of absence*»
 - Umwelt!
 - Was our test suitable for this species?



Şempanze



Gibon



Kandula

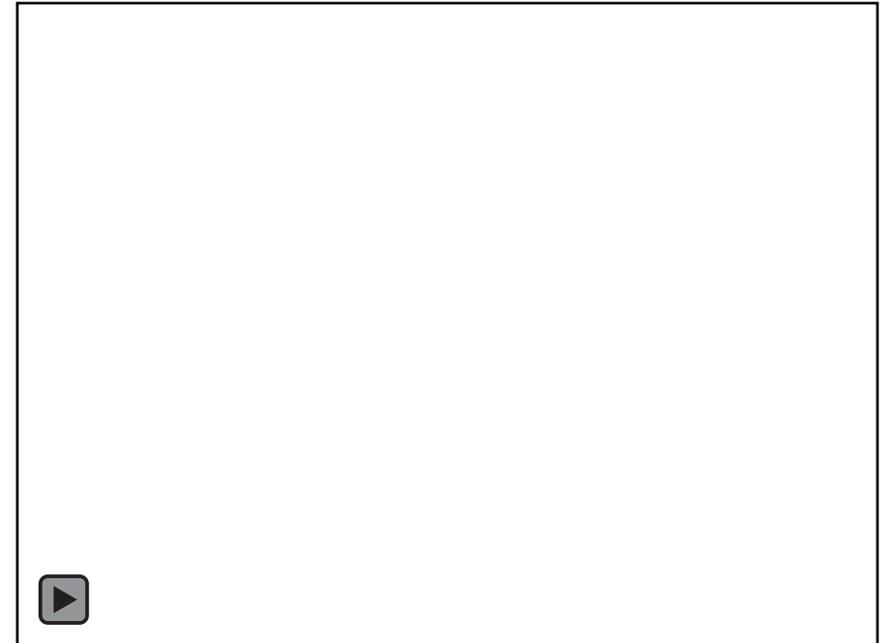
Harlow's Experiment Love and Attachment

- H. Frederick Harlow (1905-1981)
- *What are the foundations of love and devotion in humans?*
- *Is the child attached to his mother because his mother feeds him?*
- **Conclusion (Rhesus monkeys):**
- *Contact is an important variable in the development of the love response.*
- *Feeding is negligible.*
- *Love is essential for the child's development.*



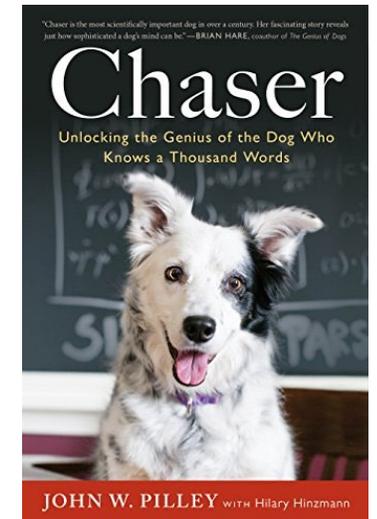
Alex the Gray Parrot

- Irene Pepperberg (1949-)
- Alex (1976-2007)
- *“Once, Alex was given several different colored blocks (two red, three blue and four green).*
- *Pepperberg: "What color are there three?«*
- *Alex: "Five!«*
- *Alex kept repeating this answer Until Pepperberg asked:*
- *"Good, what color are there five?" Alex replied:« None »*



Rico & Chaser

- **Kaminski vd. (2004):**
 - Rico: 200 words + Reasoning ability
- **Pilley (1928-2018):**
 - Chaser: Understanding sentences, recognizing 1022 toys with the name

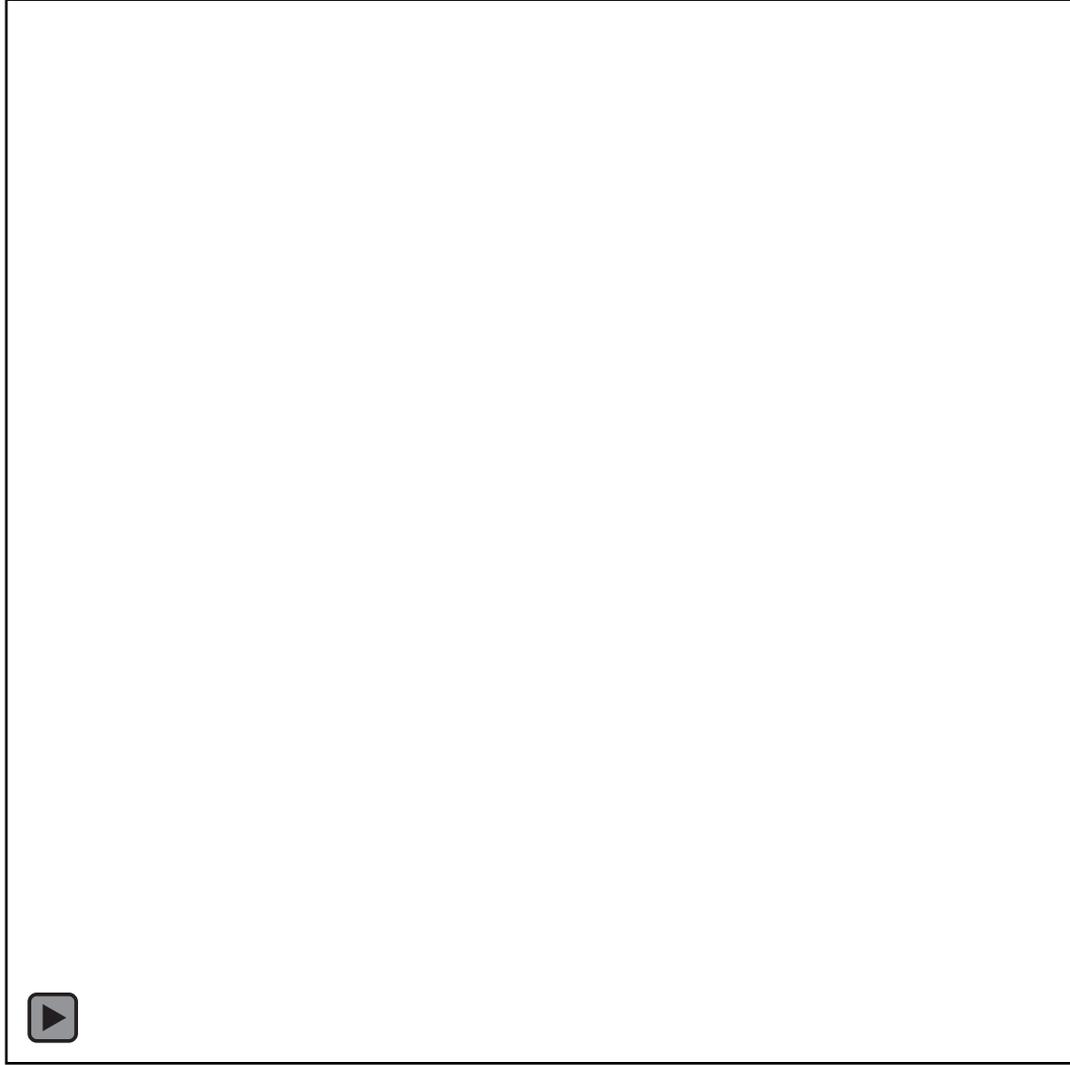


Koko's Cat

- Francine Patterson (1947-)
- Communication with sign language
- Equal to three year old child
- Mourning



Cows love music



Psychiatry

- Depression and anxiety models are created in laboratory animals
- Pet animals are treated with the same antidepressants as humans.



THANK YOU

