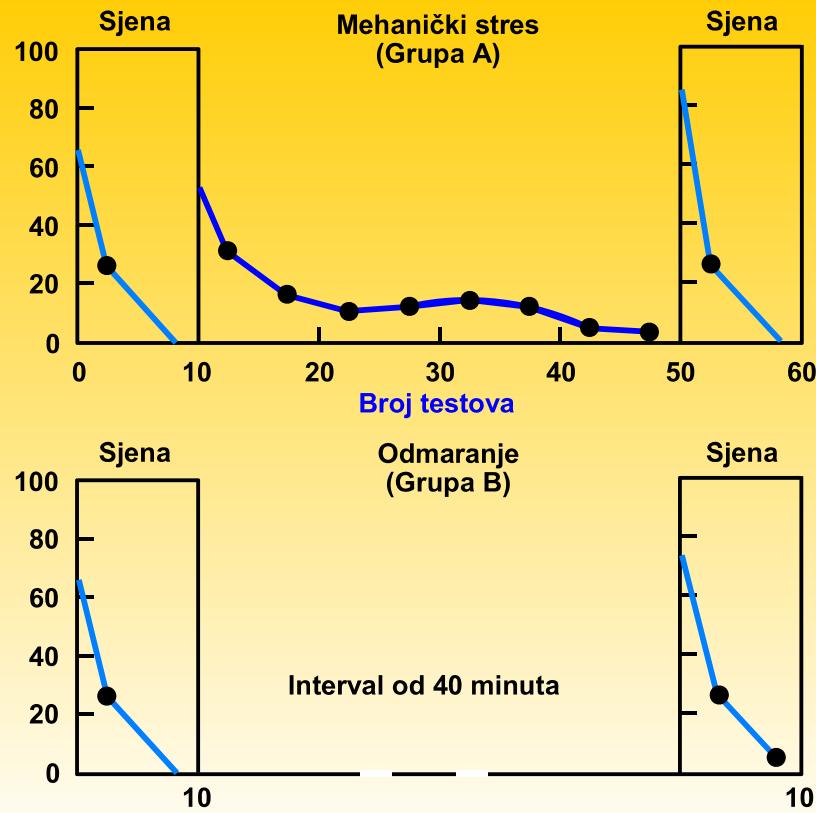


Učenje



Habituacija



Clark R. B. (1960) Habituation in the polychaete *Nereis* to sudden stimuli. I. General properties of the habituation process. *Anim. Behav.* 8: 82 - 91

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Adaptivna vrijednost habituacije

Design by dr. Zoran Tadić



Ivan Petrovič Pavlov

US - neuvjetovani stimulans

UR - neuvjetovani odgovor

CS - uvjetovani stimulans

CR - uvjetovani odgovor

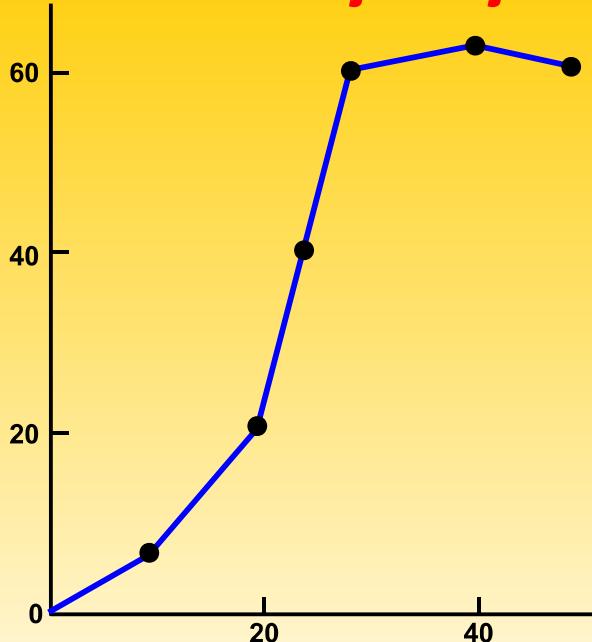
US → UR
Hrana → Slinjenje

US + CS → UR
Hrana + Zvono → Slinjenje

CS → CR ili *uvjetovani refleks*
Zvono → Slinjenje

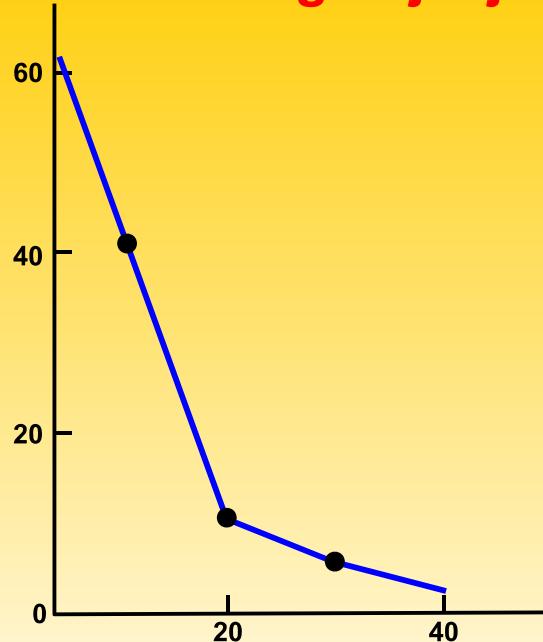


Proces stjecanja

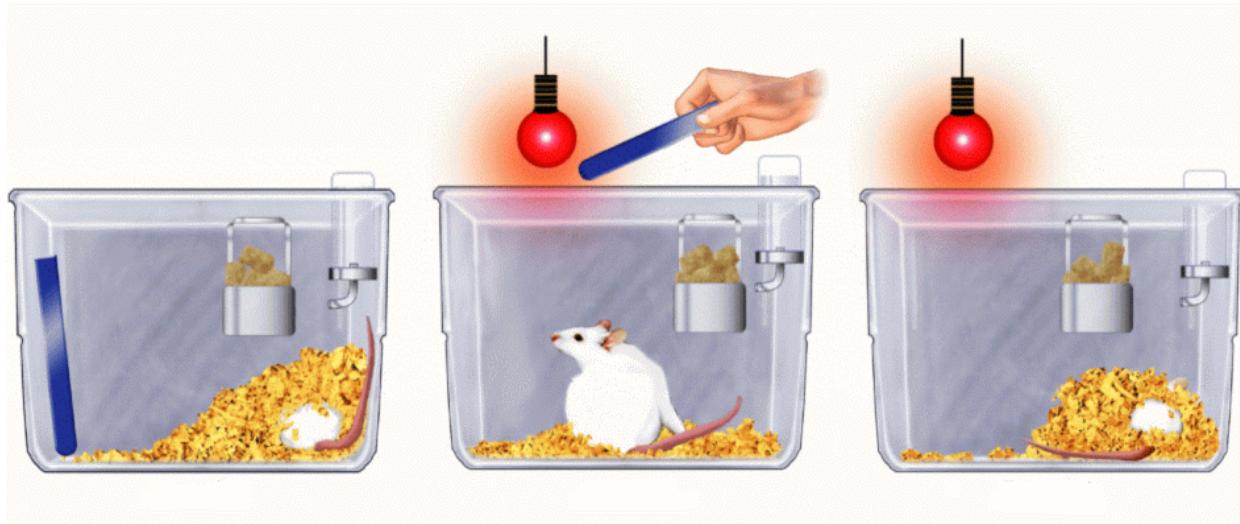


Pilot testovi (samo zvono) pomješani sa pokusnim testovima (zvono + hrana)

Proces gubljenja



Samo zvono bez hrane



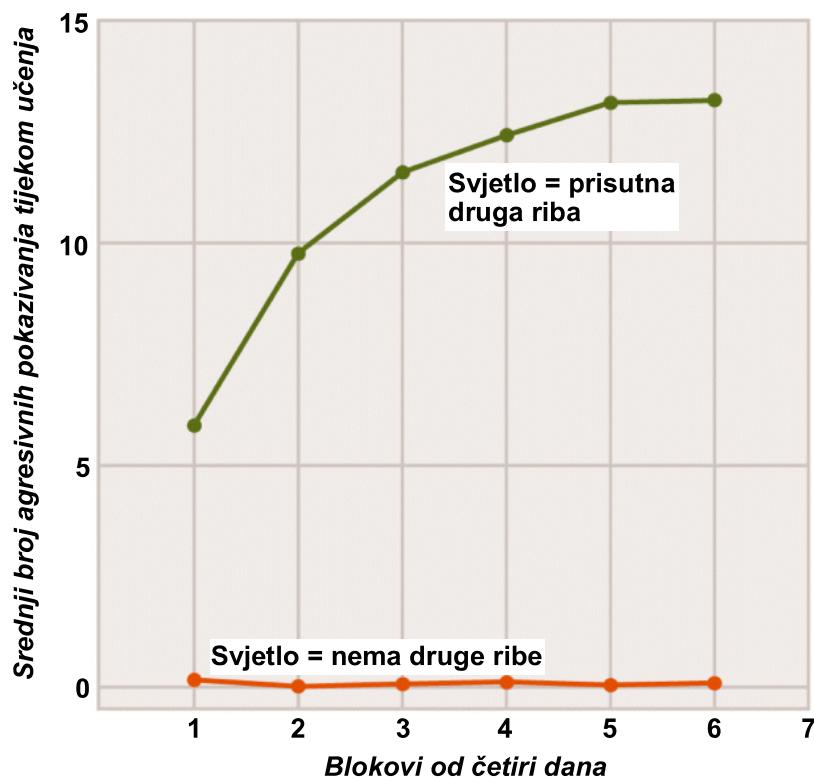
Kondicioniranje drugog reda

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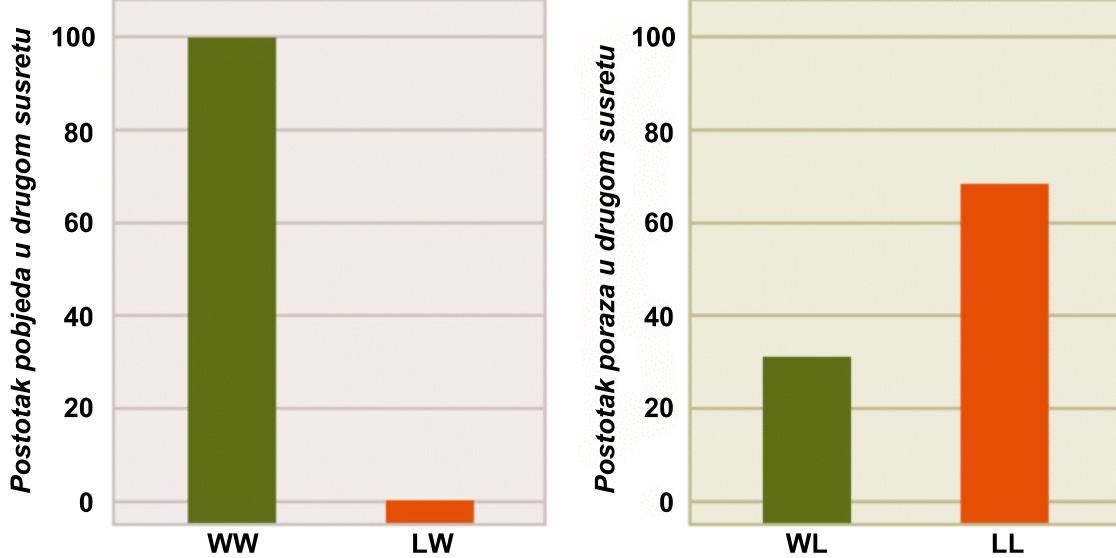


Trichogaster trichopterus

Design by dr. Zoran Tadić



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Hollis K. L. (1984) The biological function of Pavlovian conditioning: The best defense is a good offense. *J. Exp. Psychol.* **10**: 413 - 425

Hollis K. L., Dumas M. J., Singh P., Fackelman P. (1995) Pavlovian conditioning of aggressive behavior in blue gourami fish (*Trichogaster trichopterus*) - Winners stay winners and losers stay losers. *J. Comp. Psychol.* **109**: 123 - 133

Hollis K. L., Pharr V. L., Dumas M. J., Britton G. B., Field J. (1997) Classical conditioning provides paternity advantage for territorial male blue gouramis (*Trichogaster trichopterus*). *J. Comp. Psychol.* **111**: 219 - 225

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Učenje na pogreškama . . .



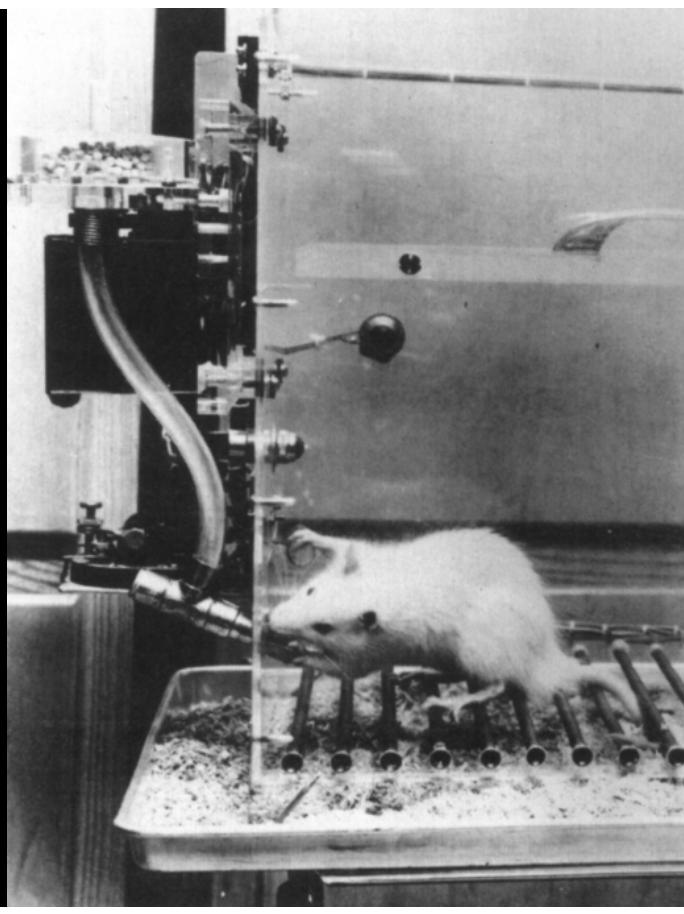
Erethizon dorsatum



Canis latrans

. . . zna biti i bolno!!!!

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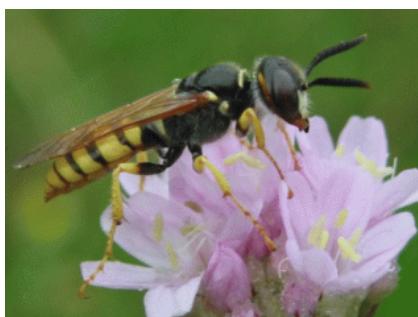


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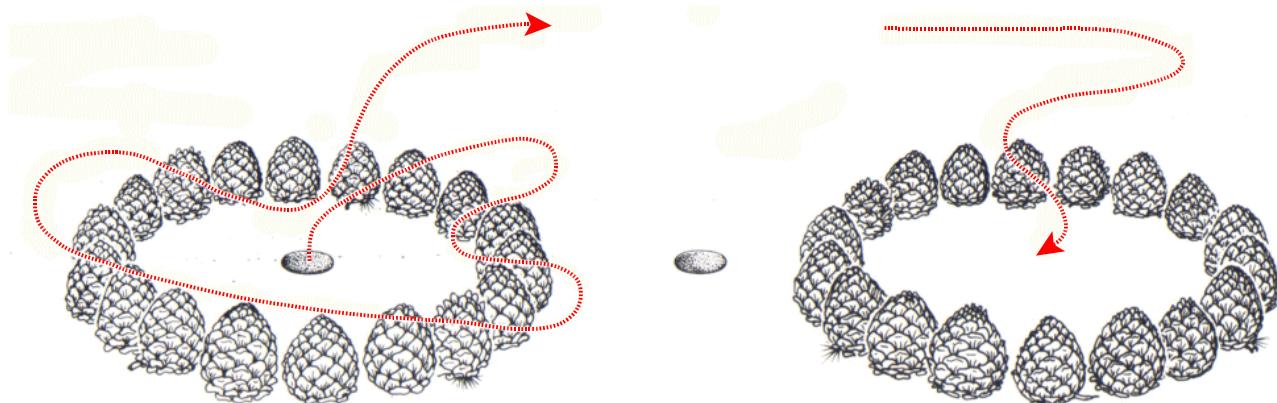


The Callahans and the Murphys

Design by dr. Zoran Tadić

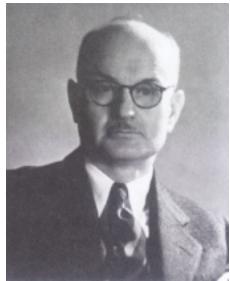


Philanthus triangulum



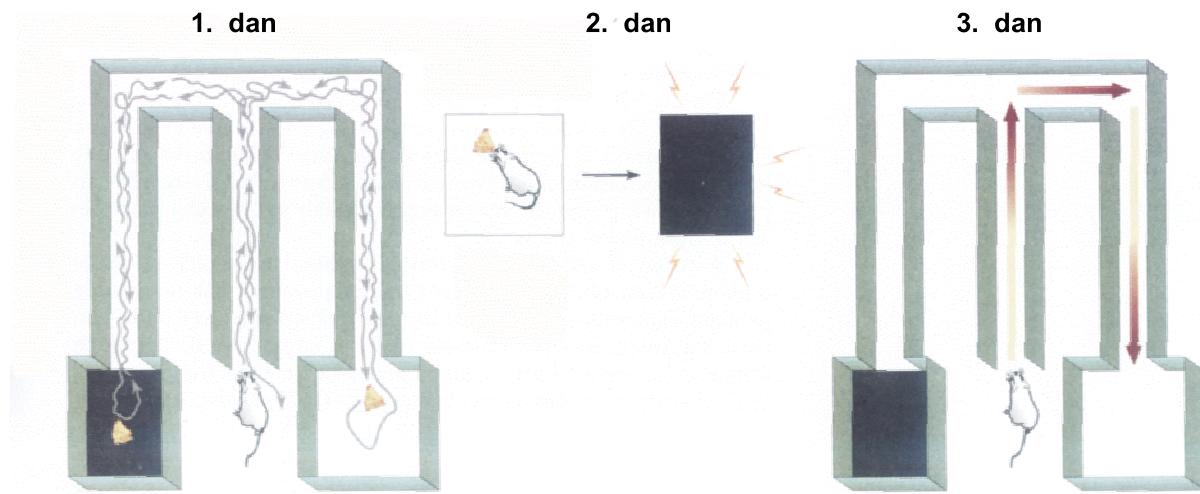
Tinbergen N. : The Study of Instinct, Clarendon Press, London, 1951

Design by dr. Zoran Tadić



Kognitivne karte u životinja

Edward C. Tolman
(1886 - 1959)



Design by dr. Zoran Tadić



Coryphopterus nicholsi

Markel R. W. (1994) Adaptive value of spatial learning and memory in the blackeye goby, *Coryphopterus nicholsi*. *Anim. Behav.* **47**: 1462 -1464

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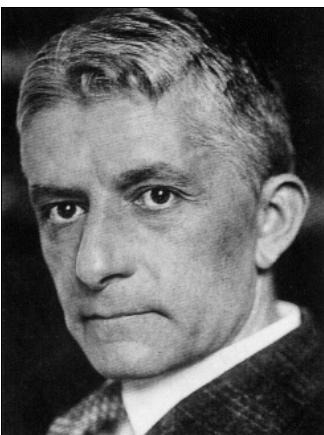
Peromyscus leucopus



Otus asio

Metzgar L. H. (1967) An experimental comparison of screech owl predation on resident and transient white - footed mice (*Peromyscus leucopus*).
J. Mammal. **48:** 387 - 391

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Wolfgang Köhler
(1887 -1967)



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Design by dr. Zoran Tadić



Design by dr. Zoran Tadić



Design by dr. Zoran Tadić



Alex (*Psittacus erithacus*) i Irene Pepperberg

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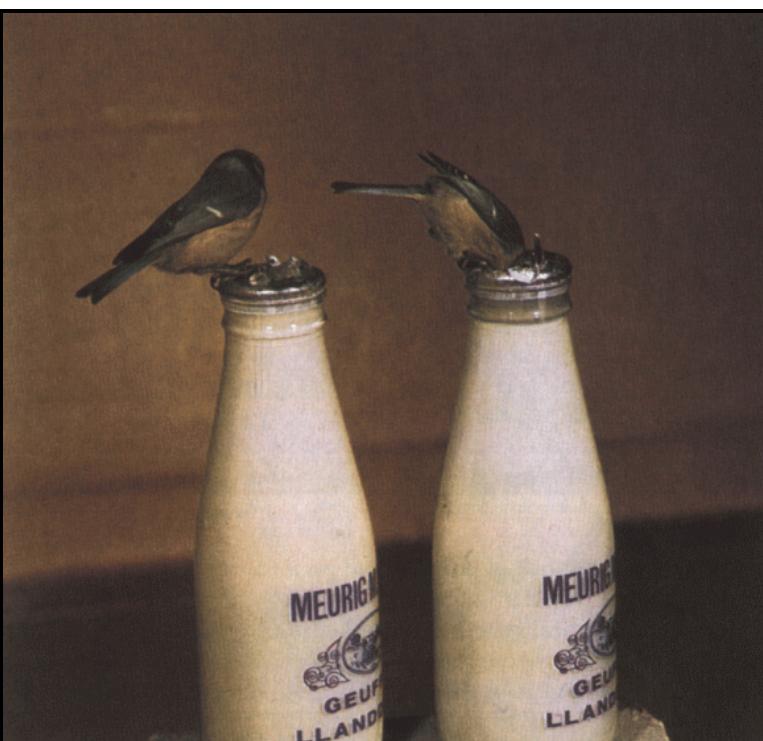


Macaca fusca

Kawai M. (1965) Newly acquired and pre - cultural behavior of the natural troop of Japanese monkeys on Koshima islet. *Primates* **6**: 111 - 148

Lefebvre L. (1995) Culturally - transmitted feeding behavior in primates: Evidence for accelerating learning rates. *Primates* **36**: 227 - 239

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Parus major

Fisher J., Hinde R. A. (1949) The opening of milkbottles by birds. *Brit. Birds* **42**: 347 - 357

Design by dr. Zoran Tadić



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Pan troglodytes

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