

The dynamics of familiarity with new objects in groups of two lemur species

(Lemur catta, Varecia variegata rubra).

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Three enrichment devices were presented: 1) a



The behavioural responses of two lemur species towards three different enrichment items were observed to determine individual responses and the effect of social status on enrichment interactions within the group. Two species of lemur were observed: one group of red ruffered lemurs (Varecia variegata rubra) consisting of 3 males and 2 females and a group of ring tailed lemurs (Lemur catta) consisting of 2 males and 4 females.

Lemur catta

We made video film for everything which was happening within a 2 meters radius and when analyzing video we used alloccurrence sampling for each lemur.



Forms of interaction with the object

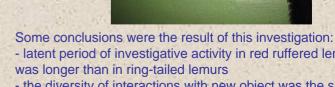
- stay in more 3m.
- stay in 2 m
- stav in 1 m
- stav near by
- smell the device.
- smell the lock
- gnaw the device
- gnaw the lock
- lick the device
- lick the lock
- scratch the device
- push the device

- put hand in the device
- put head in the device



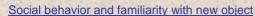
Varecia v. rubra



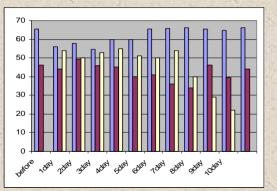


sit close. sit on

- latent period of investigative activity in red ruffered lemurs was longer than in ring-tailed lemurs
- the diversity of interactions with new object was the same in both species:
- the dynamics curve of familiarity with new objects in red ruffered lemurs did not have great risings and fallings and it was not connected with any changes in social behaviour;
- the dynamics curve of familiarity with new objects in ringtailed lemurs had some risings and fallings and there were some changes in social behaviour which we could divide in 3 periods. First period – high level of investigative activity and there were only affiliative forms of social activity; second period – learning to open the device and many forms of agonistic behaviour were recorded; third periodevery lemur can open the device and social group structure was restored.



Varecia v. rubra



Lemur catta

