

## **Behavior features of the injured Steller sea lions (*Eumetopias jubatus*) on a reproductive rookery.**

Belonovich, O.A. (1), Mamaev, E.G. (2), Korsakova, E.G. (3)

(1) 49 Timiriazevskaya St., Russian State Agricultural University – MTAA, Moscow, 127550, Russia

(2, 3) 133 Ochyabrskiy Prospect, Vyatka State Agricultural Academy, Kirov, 610017, Russia

There is a lot of information about harm which a different object inflicts to marine mammals. Also, some authors describe injured mammals behavior different from healthy individuals. For example, wounded seals reduce their activity and continue stay to lay on the blocks of ice by danger approach. As result, many of them can perish, that is why these studies are important and useful. Compare some behaviour aspects of injured and healthy Steller sea lions. The study carried out at the South-Eastern rookery of Medny Island from May 26 to August 19, 2005. In the course of summer, there were two Steller sea lions with alien objects on their bodies: subadult female with closed plastic packing band deep grew in the neck and subadult male with same narrow packing band on the head. Traumas were good noticeable by the eyes. Over the period of the observation time wounded female appeared on the harem part of the rookery in total for 37 days. Days in which that animal contacted with other eared seals were only 14 (37,8%): 5 (35,7%) with northern fur seals and 9 (64,3%) with an other Steller sea lions. And, 4 from 9 days wounded female was contacted with the same subadult Steller sea lion well known of its natural markers. It communicated with Steller sea lions were not activity. Healthy Steller sea lion female (such age) was contacted with Steller sea lion groups only (there were not contacts with northern fur seal). During 42% of the days of it presented on the rookery it was manifestation high play activity as with one Steller sea lion or with their groups ( $m=79,7$  min/day). During the other days, female was laid with eared seals groups of different age ( $m=389$  min/day) on the rookery. Average duration time in which injured female was laid with other eared seals is 112 min/day, and in 92,8%- with young individuals. Injured male behaviour also sharply differs from healthy subadult males.