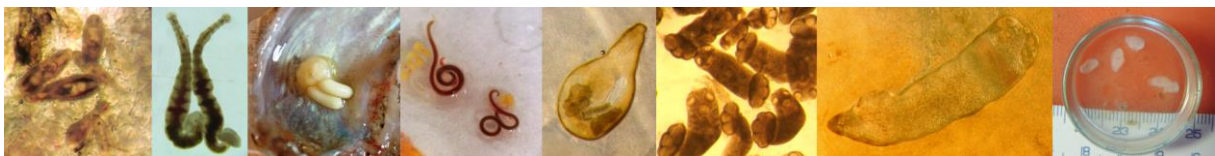


AN OVERVIEW OF KNOWN ANTARCTIC PARASITOFAUNA IN PRINCE GUSTAV CHANNEL (JAMES ROSS ISLAND, WEDDELL SEA)

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During the three Czech Antarctic expeditions in austral summer seasons between 2012 and 2014 in the coastal part of the James Ross Island and in the Prince Gustav Channel (Antarctica) were examined different host species for parasites by team from MUNI and Institute of Vertebrate Biology CAS. This contribution summarizes results and preliminary data of the research done by wide team of people who processed or participated in the processing of the imported parasitological material. The most of parasites were recorded from fishes of families Nototheniidae and Bathydraconidae (*Trematomus bernacchii*, *T. eulepidotus*, *T. hansonii*, *T. newnesi*, *T. pennellii*, *Gobionotothen gibberifrons*, *Parachaenichthys charcoti*, *Pagothenia borchgrevinkii*, *Notothenia coriiceps*). Parasites from all groups (Nematoda, Trematoda, Cestoda, Acanthocephala, Monogenea, Hirudinea and Crustacea) were recovered from fins, gills, internal organs and tissues of Antarctic fishes. Fishes were collected up to 120m deep. A survey on anisakid nematode parasites collected from the skua's regurgitated pellet (South Polar Skua – *Catharacta maccormicki*, Stercorariidae) in February 2014 was conducted. One pellet was examined and among others parasites, 53 adults and larvae of genus *Contracaecum* were found. Also pinniped faeces collected in 2012 from wild living animals (Antarctic Fur Seal – *Arctocephalus gazella* and Weddell Seal – *Leptonychotes weddellii*) were examined. Samples were fixed immediately on the Station of Johann Gregor Mendel. Standard parasite concentration methods were used in Czechia. Sample of *L. weddellii* had diarrheal character. Infections with Nematoda, Trematoda, Acanthocephala, Amoebozoa and Ciliophora are reported in eggs/parasites/cysts per gram of faeces. Lot of Antarctic samples is not completely processed yet and still waiting for its parasitologist.



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