

ACOUSTICS2008/280
Changes in structure of Redwing's (*Turdus iliacus*) local dialect in time

Ludmila Osipova

St. Petersburg State University, Universitetskaya emb., 7/9, 199034 St. Petersburg, Russian Federation

The question of the period of existence of a local dialect is yet to be answered. Were there changes in time-and-frequency parameters of dialects with time? If there were, what parameters had changed? On the basis of original data for 2005 - 2007 period, and archives of Department of Vertebrate Zoology of Saint-Petersburg State University, the history of local dialect of Redwing (*Turdus iliacus*) from Saint-Petersburg's outskirt (Peterhof) was investigated. The archive contains recordings of local dialects of Peterhof for 1960-1991 period. Until now, the longest period of local dialect observation for this species didn't exceed 10 years (Bjerke, 1981). In observed period of 48 years several changes were found. Number of elements in phrase, its duration, frequency modulation of all elements, their configuration, duration and frequency range. The major changes occurred to the first element of song. Its gradual reduction with time is obvious.