

Rodents of the Family Muridae from Transcarpathia in the Collection of the National Museum of Natural History of NAS of Ukraine

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Analysis of the collections of NMNH of NAS of Ukraine was carried out. Rodents of the family Muridae are represented in the collection by 301 specimens, 6 species. The most abundant group is genus *Sylvaemus* (3 species, 241 specimens). Other genera are represented by one or two species and not too much number of specimens (2–26 of each species). Total sample is important for the analysis of geographical distribution and morphological variability of these species.

Mammals are one of the key groups of vertebrates in the fauna of Ukrainian Carpathians. According to the current views of zoologists, they are represented in this region by 78 species (Zagorodniuk, Pokynchereda, 1997). Among them, in species richness the representatives of the order of rodents (Rodentia) have the largest part, especially the species of the family Muridae. According to the surveys of taxonomy, this family is represented in the fauna of Transcarpathia by eight species. In this paper, the representativeness of these species in the collection of NMNH is discussed. The review based on the catalogue of collection, prepared by L. S. Shevchenko and S. I. Zolotukhina (2002).

Review of the genera, species and samples. The genera and species are in systematic order.

The genus *Micromys* is represented in the fauna of Transcarpathia by one species. There are no specimens of this species from the region in the collection of the NMNH.

The genus *Apodemus* is represented in the fauna of the Transcarpathian region by one species too. In the collection of the NMNH there are 36 samples of this species (*Apodemus agrarius*). For 22 of them the exact place of collection is unknown, but the other specimens are mainly from the Perechyn district.

The genus *Sylvaemus* is represented in the fauna of Transcarpathia by three species (n = 241 samples), which are widespread in the whole territory of the region. However, there is a certain level of spatial distribution: thus, the wood mice are spread in the lowland and piedmont areas, and the yellow-necked

mouse in the piedmont and mountain areas. The yellow-necked mouse (*Sylvaemus tauricus*) is the most fully represented species in the collection (n = 210) and its specimens are known from the most of districts of the region, but mainly from the areas of Tiachiv, Rakhiv and Perechyn. The pygmy wood mouse (*Sylvaemus uralensis*) is known for 11 samples from Vynohradiv, Uzhhorod and Rakhiv districts. The wood mouse (*Sylvaemus sylvaticus*) is known for 20 specimens, mainly from Perechyn and Rakhiv districts.

The genus *Mus* is represented in the region's fauna by two species (house mouse and, probably, mound-building mouse). The presence only one of them (*Mus musculus*) is confirmed reliably. In the collection of NMNH there are 22 specimens of house mouse from several areas of Transcarpathia, but mostly from the Rakhiv district.

The genus *Rattus* is represented by two species, but one of them (*Rattus rattus*) has disappeared at the end of the 19th century and there is no information about its current finds. In NMNH, there are two specimens of common rat (*Rattus norvegicus*) from the Vynohradiv and Rakhiv districts.

The analysis of the collection is showed, that in terms of species richness the genus *Sylvaemus* takes the first place in the Trascarpathian region. This genus is represented by three species, and the other genera are represented in current fauna by only one species, however, for the genera *Mus* and *Rattus* may have finds another one species for each of them. The total amount of the Muridae collection in the zoological department of NMNH from Transcarpathia is 301 specimens of six species.

For the number of known samples from Transcarpathia in the collection of NMNH the most fully represented only *Sylvaemus tauricus* (n = 210). The other species for the number of samples make such a series of smooth decrease: *Apodemus agrarius* (n = 26), *Mus musculus* (n = 22), *Sylvaemus sylvaticus* (n = 20), *Sylvaemus uralensis* (n = 11), *Rattus norvegicus* (n = 2). In the collection, there are no specimens of three species: *Micromys minutus*, *Mus spicilegus*, *Rattus rattus*.

Therefore, the collection materials let us to state about the presence in the fauna of Transcarpathia of 6 Muridae species, which are widespread in the territory of the region in general. The total sample is enough for further analysis of geographical distribution and morphological variability of these species.

Гризуни родини Мишеві (Muridae) із Закарпаття в колекції Національного науково-природничого музею НАН України — Баркасі, З. — Проведено аналіз колекції ННПМ НАН України. Гризуни родини Мишеві (Muridae) представлені в колекції 301 зразком 6 видів. Найбільш повноцінно представлена групою є рід *Sylvaemus* (3 види, 241 зразок). Інші роди представлені одним або двома видами і невеликою кількістю колекційних екземплярів (від 2 до 26 зразків у різних видів). Загальна вибірка є важливою для аналізу географічного поширення та морфологічної мінливості цих видів.