

**ORTHOPTERA INSECTS (SUPERORDER ORTHOPTERIDA,
ORDER ORTHOPTERA) FROM THE “R. STEPANOV” ENTOMOLOGICAL
COLLECTION PRESERVED IN THE NATIONAL MUSEUM OF ETHNOGRAPHY
AND NATURAL HISTORY OF THE REPUBLIC OF MOLDOVA**

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Abstract. The paper contains the inventory list of 371 insect specimens from the Orthoptera order (Insecta, Polyneoptera) kept in the “R. Stepanov” collection of the National Museum of Ethnography and Natural History from the Republic of Moldova. The specimens studied in this paper were collected from 1910 to 1939, which represented a transition period from the Russian Empire 1910-1917 to the Moldavian Democratic Republic, also known as the Moldavian Republic (1917-1939).

Keywords: Orthoptera, museum, Stepanov, list, species.

Rezumat. Insecte Orthoptere (Superordinul Orthopterida, Ordinul Orthoptera) din colectia entomologica „R. Stepanov” păstrată în Muzeul Național de Etnografie și Istorie Naturală al Republicii Moldova. Lucrarea constă în inventarierea a 371 de exemplare de insecte din cadrul ordinului Orthoptera (Insecta, Polyneoptera) păstrate în colecția „R. Stepanov” din cadrul Muzeului Național de Etnografie și Istorie Naturală din Republica Moldova. Exemplarele studiate în această lucrare au fost colectate în perioada 1910-1939, reprezentând o perioadă de tranziție de la Imperiul Rus 1910-1917 la Republica Democrată Moldovenească, cunoscută și sub denumirea de Republica Moldova (1917-1939).

Cuvinte cheie: Orthoptera, muzeu, Stepanov, listă, specie.

INTRODUCTION

This is one of the first papers regarding the entomological collection of „R. Stepanov” stored in the National Museum of Ethnography and Natural History located in the capital of the Republic of Moldova - Chișinău (ȚUGULEA & et al, 2020; ȚUGULEA, 2021). The paper presents the catalogue of the Orthoptera collection of R. Stepanov collected during 1910-1939, during Stepanov’s research into the insect’s fauna in the Bessarabia (in our days the Republic of Moldova and some towns from Ukraine). This collection includes 370 specimens of the Orthoptera order from 20,000 insect specimens from the Lepidoptera and Coleoptera orders.

R. Stepanov was a famous scientist and naturalist with a big heart for insect biodiversity. During his scientific activity from 1900-1940, he collected entomological materials from various ecosystems, anthropogenic and natural ecosystems, especially from woods, parks, and orchards; flooded meadows and riversides; grasslands, etc. from Bessarabia, and not only.

In our days, the entomological collection of R. Stepanov is stored in the National Museum of Ethnography and Natural History, located in Chișinău, Republic of Moldova. Due to its considerable scientific interest and being known as one of the oldest entomological collections of the Republic of Moldova, we decided to publish the insects from the Orthoptera order from the “R. Stepanov” Entomological Collection.

MATERIAL AND METHODS

The specimens of the Orthoptera order in this paper were collected between 1910 and 1939 from the country's whole territory, in districts and localities from the Central, Southern, and, Northern Regions of the Republic of Moldova (Fig. 1).

In this collection, there are Orthoptera specimens stored in the “R. Stepanov” Entomological Collection:

- ✓ In the collection *Baurci-Moldoveni, Izmail* = a village in the Cahul District of the Republic of Moldova (coordinates: 46°1'57"N 28°13'52"E);
- ✓ In the collection of *Beni* – we could not find the locality written on the label;
- ✓ In the collection of *Bularda* = a village from Dereneu commune in Călărași District of the Republic of Moldova (coordinates: 47°21'22"N 28°13'16"E);
- ✓ In the collection of *Cahul* = a city and municipality in the southern part of the Republic of Moldova. The city is the administrative center of *Cahul District* (coordinates: 46°55'0"N 28°11'01"E);
- ✓ In the collection of *Chiprianovsk* = Căpriana village, in the Strășeni District of the Republic of Moldova (coordinates: 47°07'02"N 28°30'15"E);
- ✓ In the collection of *Chițcani* = a village in the Căușeni district, Republic of Moldova - the seat of the commune with the same name. It is one of the oldest documented villages in Moldova (coordinates: 46°47'8"N 29°36'29"E);
- ✓ In the collection of *Ciocana forest* = belongs to the Ciocana Sector of the capital of the Republic of Moldova – Chișinău);

- ✓ In the collection of *Clișcăuți*, *Hotin* = Klishkivtsi (English), Клишківці (Ukrainian), is a commune in Dnistrovskyi Raion, Chernivtsi Oblast of Ukraine, Khotyn Raion, Ukraine (coordinates: 48°26'17"N 26°16'1"E);
- ✓ In the collection of *Cornești* = a village in the Ungheni District of the Republic of Moldova (coordinates: 47°22'3"N 27°59'58"E);
- ✓ In the collection of *Dîșcova* = a village from the Puțintei commune in Orhei District of the Republic of Moldova (coordinates: 47°22'57"N 28°36'02"E);
- ✓ In the collection of *Dunai*, *Ismail* = the collections were made near the Danube River meadows from the vicinity of the town of Ismail, Odesa Oblast, Ukraine (coordinates: 47°21'22"N 28°13'16"E);
- ✓ In the collection of *Durlești* = a town in the Chișinău municipality, Republic of Moldova, located in the North-West part of Chișinău, is the largest of the suburbs of the capital (coordinates: 47°01'04"N 28°45'45"E);
- ✓ In the collection of *Goianî* = a commune composed of two villages, Goian and Iagorlîc from Dubăsari District (coordinates 47°22'40"N 29°9'47"E);
- ✓ In the collection of *Grinăuți* = Grinăuți-Moldova is a commune in the Ocnița district, Republic of Moldova, consisting of the villages of Grinăuți-Moldova (village-residence), Grinăuți-Raia and Rediul Mare (coordinates: 48°17'00"N 27°27'00"E);
- ✓ In the collection of *Leova*, *Izmail* = a city in Moldova, located 92 km southwest of the capital, Chișinău, also, it is the administrative center of Leova District. The city is situated on the east bank of the Prut River. The collections were made in the flooded meadow of the Prut River (coordinates: 46°29'N 28°15'E);

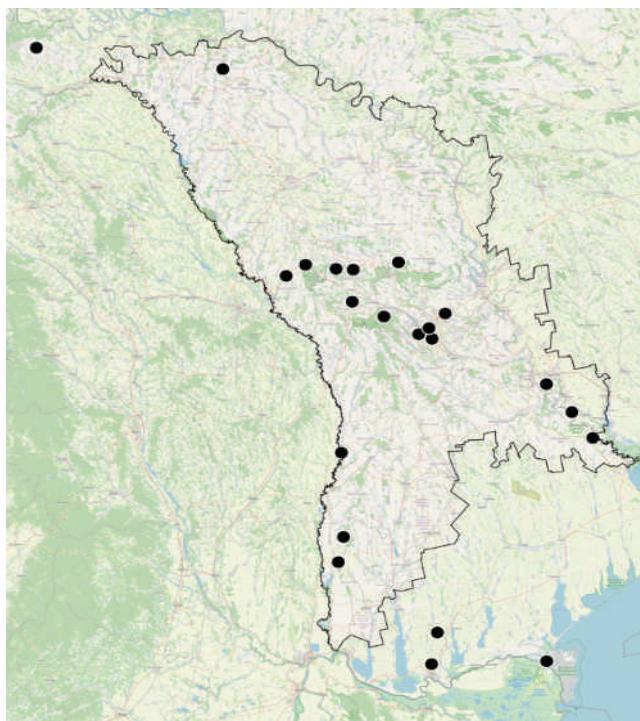


Figure 1. The collection points of the orthopterans stored in the Entomological Collection R. Stepanov”.

- ✓ In the collection of *Hîrbovăț* = a village belonging to Onișcani commune (Călărași District) which is composed of three villages: Hîrbovăț, Onișcani, and Sverida (coordinates: 47°22'00"N 28°17'00"E);
- ✓ In the collection of *Izmail* = Ismail town, Odesa Oblast, Ukraine (coordinates: 45°21'4"N 28°50'47"E);
- ✓ In the collection of *Mlinchi* – a village in the Hotin District of the Chernivtsi Region (Ukraine), administratively dependent on the Clișcăuți commune (in Ukrainian Млинки, transliterated: Mlînkî), (coordinates: 48°27'36"N 26°13'48"E);
- ✓ In the collection of *Petricani* = a neighbourhood of the Rîșcani Sector (also spelled *Râșcani*) of Chișinău municipality of the Republic of Moldova (coordinates: 47°03'17"N 28°48'31"E);
- ✓ In the collection of *Purcari* = the village of residence of the commune with the same name in the district of Ștefan Vodă, Republic of Moldova. The commune also includes the village of Viisoara (coordinates: 46°32'13"N 29°51'37"E);
- ✓ In the collection of *Rădeni*, *Pîrlîja* = Rădenii Vechi village in the Ungheni District of the Republic of Moldova (coordinates: 47°17'47"N 27°59'44"E);
- ✓ In the collection of *Sadovsc*, *Călărași* = Sadova, Călărași District of the Republic of Moldova (coordinates: 47°11'21"N 28°21'00"E);

- ✓ In the collection of *Slobozia*, *Izmailisc* = Slobozia Mare village in the Cahul District of the Republic of Moldova (coordinates: 45°34'30"N 28°10'21"E);
- ✓ In the collection of *Staro-Cozacie* = Starokozache, a village of the Starokozach village community of the Bilhorod-Dnistrovsky district of the Odesa Oblast in Ukraine (coordinates: 46°20'16"N 29°59'8"E 46°20'16.1"N 29°59'18"E);
- ✓ In the collection of *Talmaza* – is a village in the Ștefan Vodă District of the Republic of Moldova (coordinates: 46°37'32"N 29°39'04"E);
- ✓ In the collection of *Tașbunar* = Kamenka (Kam'yanka, until 1945 - Tashbunar), Izmail Raion of the Odesa Oblast of Ukraine; is a village of the Safyanivska rural (coordinates: 45°33'55"N 28°52'52"E);
- ✓ In the collection of Toporskaya Izmail = Toporskaya Datscha, 32 km north of Leova city;
- ✓ In the collection of Vilcovo, Izmail = Vylkove (Romanian – Vâlcov), a small city located in the Ukrainian part of the Danube Delta, Izmail Raion, Odesa Oblast, Ukraine (coordinates: 45°23'57"N 29°35'37"E).

The specimen identification was made according to external morphology using the identification of different keys IORGU & IORGU, 2008; HARZ, 1975; BEI-BIENKO, 1952, 1964.

The species nomenclature and classification were made according to the site Fauna Europaea (EADES et al., 2022) and Orthoptera of Europe (***. The Orthoptera of Europe).

RESULTS

As a result of the above-mentioned work, 371 specimens among Orthoptera insects from the “R. Stepanov” Entomological Collection stored in the National Museum of Ethnography and Natural History of The Republic of Moldova were analysed. These specimens belong to two suborders Ensifera with 92 specimens and Caelifera, 279 respectively (Table 1).

Table 1. List of Orthoptera specimens stored in the “R. Stepanov” collection, stored in the National Museum of Ethnography and Natural History of the Republic of Moldova.

Box No.	Species	Point of collection	Specimens	Collection data	
Class Insecta					
Subclass Pterygota, infraclass Neoptera, Cohort Polyneoptera, superorder Orthopterida					
Order Orthoptera					
Suborder Ensifera					
Infraorder Tettigoniidae					
Superfamily Tettigonioidea Krauss, 1902					
Family Tettigoniidae Krauss, 1902					
Subfamily group Phaneropteridae Burmeister, 1838					
Subfamily Phaneropterinae Burmeister, 1838					
Tribe Phaneropterini Burmeister, 1838					
Genus <i>Phaneroptera</i> Serville, 1831					
71	<i>Phaneroptera falcata</i> (Poda, 1761)	Leova (Leova, in the vicinity of the Prut River, Izmailu)	1	15.08.1911	
71		Leova (Leova, in the vicinity of the Prut River, Izmailu)	1	16-17.07.1911	
71		(Toporscaia, Izmailisc)	1	23.07.1911	
71		Câpriana (Chiprianovsc, Chișinău)	4	29.07.1911	
71		Câpriana (Chiprianovsc, Chișinău)	1	01-05.08.1911	
Subfamily Bradyoporinae Burmeister, 1838					
Tribe Ephippigerini Brunner von Wattenwyl, 1878					
Genus <i>Ephippiger</i> Berthold, 1827					
71	<i>Ephippiger ephippiger</i> (Fiebig, 1784)	Câpriana (Chiprianovsc, Chișinău)	1	28.07.1911	
71		Câpriana (Chiprianovsc, Chișinău)	1	29.07.1911	
71		Rădenii Vechi (Redeni, Pîrlita)	1	12-13.08.1911	
71		Câpriana (Chiprianovsc, Chișinău)	1	15.10.1932	
75		Hîrbovăt	1	13.06.1927	
75		Durlești	1	01.05.1930	
75		Durlești	1	10.07.1932	
75		Cornești	1	14.06.1937	
75		Cornești	1	21.07.1938	
75		No data	3	No data	
Subfamily Conocephalinae Kirby & Spence, 1826					
Tribe Conocephalini Kirby & Spence, 1826					
Genus <i>Conocephalus</i> Thunberg, 1815					
71	<i>Conocephalus fuscus</i> (Fabricius, 1793) =	Leova (Leova, in the vicinity of the Prut River, Izmailu)	1	16-17.07.1911	
71	<i>Anisoptera fuscus</i>	Câpriana (Chiprianovsc, Chișinău)	2	29.07.1911	
71		Câpriana (Chiprianovsc, Chișinău)	3	01-05.08.1911	

Subfamily Tettigoniinae Krauss, 1902 Tribe Decticini Herman, 1874 Genus <i>Decticus</i> Serville, 1831				
71	<i>Decticus verrucivorus</i> (Linnaeus, 1758)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	2	27.06.1911
71		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	4	24.06.1911
71		(Toporscaia, Izmailisc)	2	26.07.1911
71		Chișinău (Ciocana, forest)	4	10.08.1932
Tribe Onconotini Tarbinsky, 1940 Genus <i>Onconotus</i> Fischer von Waldheim, 1839				
71	<i>Onconotus servellei</i> Fischer von Waldheim, 1846	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	24.06.1911
71		Talmaza (Talmaz)	1	03.08.1933
Tribe Platycleidini Brunner von Wattenwyl, 1893 Genus <i>Rhacocleis</i> Fieber, 1853				
71	<i>Rhacocleis germanica</i> (Herrich-Schäffer, 1840)	Sadova (Sadovsc, Călărași)	1	09.08.1911
Genus group <i>Platycleis</i> Brunner von Wattenwyl, 1893 Genus <i>Platycleis</i> Fieber, 1853				
71	<i>Platycleis affinis</i> Fieber, 1853	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	26.06.1911
71		No data	1	No data
71		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	30.06.1911
71		Cahul	1	23.06.1911
71		Slobozia-Mare (Slobozia, Izmailisc)	1	20.06.1911
71		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	2	24.06.1911
71		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	26.06.1911
71		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	30.06.1911
71		(Toporscaia, Izmailisc)	1	26.07.1911
Genus <i>Tettigonia</i> Linnaeus, 1758				
71	<i>Tettigonia caudata</i> (Charpentier, 1845)	Kamenca (Tasbunari, Izmail)	2	11-12.06.1911
Infraorder Gryllidea Superfamily Gyrloidea Laicharting, 1781 Family Gryllidae Laicharting, 1781 Subfamily group Gryllinae Laicharting, 178 Subfamily Gryllinae Laicharting, 1781 Tribe Gryllini Laicharting, 1781 Subtribe Gryllina Laicharting, 1781 Genus <i>Acheta</i> Fabricius, 1775				
72	<i>Acheta domesticus</i> (Linnaeus, 1758)	Cahul	2	23.06.1911
72		Durlești	1	29.06.1932
72		Talmaza (Talmaz)	1	20.06.1933
Genus <i>Gryllus</i> Linnaeus, 1758				
71	<i>Gryllu (Gryllus) campestris</i> Linnaeus, 1758	Durlești	1	19.06.1912
71		Chișinău	1	23.05.1916
71		Grinăuti	1	.1914
71		Talmaza (Talmaz)	3	20.06.1933
Tribe Modicogryllini Otte & Alexander, 1983 Genus <i>Eumodicogryllus</i> Gorochov, 1986				
71	<i>Eumodicogryllus bordigalensis</i> <i>bordigalensis</i> (Latrelle, 1804) = <i>Modicogryllus burdigalensis</i>	Kamenca (Tasbunari, Izmail)	1	15.06.1911
71		Izmailisc, Dlinbul	1	13.06.1911
71		Izmailisc, Dlinbul	1	14.06.1914
71		Kamenca (Tasbunari, Izmail)	3	15.06.1911
Genus <i>Melanogryllus</i> Chopard, 1961				
71	<i>Melanogryllus desertus</i> (Pallas, 1771)	Purcari	2	11-10.04.1911
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	24.06.1911
Genus <i>Modicogryllus</i> Chopard, 1961				
71	<i>Modicogryllus (Modicogryllus) frontalis</i> (Fieber, 1844)	Izmail (Izmailisc)	3	05.06.1911
71		Căpriana (Chiprianovsc, Chișinău)	1	31.05.1912
71		Vilcovo, Izmail, Black Sea	1	01.06.1911
Subfamily Oecanthinae Blanchard, 1845 Tribe Oecanthini Blanchard, 1845 Genus <i>Oecanthus</i> Serville, 1831				
72	<i>Oecanthus pellucens</i> (Scopoli, 1763)	Căpriana (Chiprianovsc, mun. Chișinău)	1	10.07.1910
72		Leova (Leova, in the vicinity of the Prut River, Izmailu)	2	15.07.1911
72		Leova (Leova, in the vicinity of the Prut River, Izmailu)	1	16-17.07.1911
72		Leova (Leova, in the vicinity of the Prut River, Izmailu)	1	23.07.1911
72		Leova (Leova, in the vicinity of the Prut River, Izmailu)	2	14.07.1911

Superfamily Gryllopoidea Leach, 1815 Family Gryllopodae Leach, 1815 Subfamily Gryllopinae Leach, 1815 Genus <i>Gryllopala</i> Latreille, 1802			
72	<i>Gryllopala gryllopala</i> (Linnaeus, 1758)	Izmail	1
72		Căpriana (Chiprianovsc, Chișinău)	2
72		Căpriana (Chiprianovsc, Chișinău)	1
72		No data	4
Suborder Caelifera Infraorder Tridactylidea Superfamily Tridactyloidea Brullé, 183 Family Tridactylidae Brullé, 1835 Subfamily Tridactylinae Brullé, 1835 Genus <i>Xya</i> Latreille, 1809			
72	<i>Xya variegata</i> (Latreille, 1809)	Vilcovo, Izmail	11
72		Vilcovo, Izmail, Black Sea	1
Superfamily Tetrigoidea Rambur, 1838 Family Tetrigidae Rambur, 1838 Subfamily Tetriginae Rambur, 1838 Genus <i>Tetrix</i> Latreille, 1802			
72	<i>Tetrix bipunctata</i> (Linnaeus, 1758) = <i>Acridium bipunctatum</i>	Ur. Beni	1
72		Redenii Vechi (Redeni, Pirlita)	1
72		Căpriana	1
72		Căpriana	3
72		Chițcani	1
72		Purcari	3
72		Purcari	3
72		Ur. Beni	3
Superfamily group Acridoidea Superfamily Acridoidea MacLeay, 1821 Family Acrididae MacLeay, 1821 Subfamily Acridinae MacLeay, 1821 Tribe Acridini MacLeay, 1821 Genus <i>Acrida</i> Linnaeus, 1758			
72	<i>Acrida taurita</i> (Linnaeus, 1758)	Căpriana (Chiprianovsc, mun. Chișinău)	1
72		No data	1
Subfamily Cyrtacanthacridinae Kirby, 1910 Tribe Cyrtacanthacridini Kirby, 1910 Genus <i>Anacridium</i> Uvarov, 1923			
75	<i>Anacridium aegyptiacum</i> (Linnaeus, 1764) = <i>Anacridium aegyptium</i>	No data	1
75		No data	No data
Subfamily Calliptaminae Jacobson, 1905 Genus <i>Calliptamus</i> Serville, 1831			
75	<i>Calliptamus italicus</i> (Linnaeus, 1758)	(Toporscaia, Izmailisc)	1
75		Sadova (Sadovsc, Calarași)	1
75		No data	2
75		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1
Subfamily Gomphocerinae Fieber, 1853 Tribe Arcypterini Bolívar, 1914 Genus <i>Arcyptera</i> Serville, 1838 Subgenus <i>Pararcyptera</i> Tarbinsky, 1930			
73	<i>Arcyptera microptera microptera</i> (Fischer von Waldheim, 1833) = <i>Arcyptera flavicosta</i>	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	3
73		(Toporscaia, Izmailisc)	2
2		Talmaza	2
73		Vilcovo, Izmail	3
73		Vilcovo, Izmail (Danube)	8
73		Vilcovo, Izmail (Black Sea)	1
73		Vilcovo, Izmail (Danube)	2
73		Vilcovo, Izmail	1
73	Tribe Crysochrantini Brunner von Wattenwyl, 1893 Genus <i>Euchorthippus</i> Tarbinsky, 1926	Izmail (Izmailisc)	1
73	<i>Euchorthippus pulvinatus</i> (Fischer von Waldheim, 1846)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1
73		Leova (Leova, in the vicinity of the Prut River, Izmailu)	3
73		(Toporscaia, Izmailisc)	2
73			23.07.1911

74		Chișinău (Ciocana, forest)	2	10.08.1932
		Tribus Docostaurini Mistshenko, 1974 Genus <i>Docostaurus</i> Fieber, 1853 Subgenus <i>Kazakia</i> Bey-Bienko, 1933		
73		Kamenca (Tasbunari, Izmail)	9	11-12.06.1911
73		Leova (Leova, in the vicinity of the Prut River, Izmail)	1	15.07.1911
73	<i>Docostaurus (Kazakia) brevicollis</i> (Eversmann, 1848)	Leova (Leova, in the vicinity of the Prut River, Izmail)	1	16-17.07.1911
73		(Toporscaia, Izmailisc)	1	26.07.1911
74		Chișinău (Ciocana, forest)	1	10.08.1932
		Tribe Gomphocerini Fieber, 1855, Genus <i>Chorthippus</i> Fieber, 1852 Subgenus <i>Chorthippus</i> Fieber, 1852		
73	<i>Chorthippus (Chorthippus) dorsatus</i> (Zetterstedt, 1821)	Leova (Leova, in the vicinity of the Prut River, Izmail)	1	15.07.1911
73		(Toporscaia, Izmailisc)	2	26.07.1911
74		Kamenca (Tasbunari, Izmail)	3	11-12.06.1911
74		Leova (Leova, in the vicinity of the Prut River, Izmail)	1	15.07.1911
74	<i>Chorthippus (Chorthippus) loratus</i> (Fischer von Waldheim, 1846)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	5	24.06.1911
74		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	27.06.1911
74		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	30.06.1911
74		Chișinău (Ciocana, forest)	1	10.08.1932
74	<i>Chorthippus (Chorthippus) dichrous</i> (Eversmann, 1859)	Leova (Leova, in the vicinity of the Prut River, Izmail)	2	15.07.1911
73		Leova (Leova, in the vicinity of the Prut River, Izmail)	1	16-17.07.1911
73		(Toporscaia, Izmailisc)	4	26.07.1911
73	<i>Chorthippus (Chorthippus) albomarginatus</i> (De Geer, 1773)	Căpriana (Chiprianovsc, Chișinău)	1	01-05.08.1911
73		Cliscăuti, Hotinsc	2	16-17.08.1911
74		Căpriana (Chiprianovsc, Chișinău)	1	12.07.1912
74		Chișinău (Ciocana, forest)	1	10.08.1932
		Subgenus <i>Glyptobothrus</i> Chopard, 1951		
72		Izmail (Izmaili, Danube)	2	08-09.06.1911
72		Slobozia-Mare (Slobozia, Izmailisc)	1	21.06.1911
72		(Toporscaia, Izmailisc)	1	23.07.1911
73		Kamenca (Tasbunari, Izmail)	2	11-12.06.1911
73		Cahul	1	23.06.1911
73		Căpriana (Chiprianovsc, Chișinău)	1	29.07.1911
73		Sadova (Sadovsc, Călărași, Chișinău)	1	09.08.1911
73	<i>Chorthippus (Glyptobothrus) biguttulus</i> (Linnaeus, 1758)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	24.06.1911
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	3	26.06.1911
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	30.06.1911
73		No data	1	No data
74		Izmail (Izmaili)	1	09.06.1911
74		Kamenca (Tasbunari, Izmail)	6	11-12.06.1911
74		Căpriana (Chiprianovsc, Chișinău)	1	21.07.1912
74		Căpriana (Chiprianovsc, Chișinău)	3	01-05.08.1911
74		Sadovsc., Calarași, Chișinău	3	09.08.1911
74		Izmail (Izmailisc)	1	05.06.1911
74		Izmail (Izmaili, Danube)	3	08-09.06.1911
74		Izmail (Izmaili)	2	09.06.1911
74		Kamenca (Tasbunari, Izmail)	5	11-12.06.1911
74		Cahul	1	23.06.1911
74		(Toporscaia, Izmailisc)	5	26.07.1911
74		Căpriana (Chiprianovsc, Chișinău)	2	29.07.1911
74	<i>Chorthippus (Glyptobothrus) brunneus</i> (Thunberg, 1815)	(Mlinchi)	1	06.08.1912
74		Căpriana (Chiprianovsc, Chișinău)	2	06.08.1916
74		Chișinău (Ciocana, forest)	3	10.08.1932
74		Talmaza	1	15.07.1932
75		Staro-Cozacie	1	04.08.1929
75		Chișinău (Ciocana, forest)	1	02.10.1938
75		Chișinău (Petricani)	2	10.09.1939
75		Dîșcova	2	13.07.1939
75		No data	3	No data
74		Kamenca (Tasbunari, Izmail)	1	11-12.06.1911
74		(Toporscaia, Izmailisc)	3	26.07.1911
74		Căpriana (Chiprianovsc, Chișinău)	2	28.07.1911
74	<i>Chorthippus (Glyptobothrus) mollis</i> (Charpentier, 1825)	Căpriana (Chiprianovsc, Chișinău)	2	29.07.1911
74		Căpriana (Chiprianovsc, Chișinău)	2	01-05.08.1911
74		Sadovsc., Calarași, Chișinău	1	09.08.1911
74		Chișinău (Ciocana, forest)	3	10.08.1932
74		Căpriana (Chiprianovsc, Chișinău)	1	13.10.1932

Genus <i>Gomphocerippus</i> Roberts, 1941					
74	<i>Gomphocerippus rufus</i> (Linnaeus, 1758)	Câpriana (Chiprianovsc, Chișinău)	1	16-17.08.1911	
74		Câpriana (Chiprianovsc, Chișinău)	2	12.07.1912	
74		Câpriana (Chiprianovsc, Chișinău)	1	15.07.1912	
74		Chișinău (Ciocana, forest)	2	10.08.1932	
Genus <i>Myrmeleotettix</i> Bolívar, 1914					
73	<i>Myrmeleotettix (Omocestus) maculatus</i> (Thunberg, 1815)	Goian (Goiani)	1	21.09.1924	
Genus <i>Pseudochorthippus</i> Defaut, 2012					
Species group <i>parallelus</i>					
73	<i>Pseudochorthippus parallelus parallelus</i> (Zetterstedt, 1821)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	4	24.06.1911	
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	4	26.06.1911	
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	2	27.06.1911	
74		Chișinău (Ciocana, forest)	1	10.08.1932	
Tribe Stenobothrini Harz, 1975					
Genus <i>Omocestus</i> Bolívar, 1878					
Subgenus <i>Omocestus</i> Bolívar, 1878					
73	<i>Omocestus (Omocestus) haemorrhoidalis</i> (Charpentier, 1825)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	24.06.1911	
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	27.06.1911	
73		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	02.07.1911	
73	<i>Omocestus (Omocestus) petraeus</i> (Brisout de Barneville, 1856)	Câpriana (Chiprianovsc, mun. Chișinău)	1	29.07.1911	
74		Chișinău (Ciocana, forest)	1	10.08.1932	
74		(Toporscaia, Izmailisc)	1	26.07.1911	
72	<i>Omocestus (Omocestus) rufipes</i> (Zetterstedt, 1821)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	2	23.07.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	29.07.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	16-17.08.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	08.08.1911	
Genus <i>Stenobothrus</i> Fischer, 1853					
72	<i>Stenobothrus lineatus</i> (Panzer, 1796)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	7	24.06.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	26.06.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	15.07.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	2	01.07.1911	
72	<i>Stenobothrus nigromaculatus</i> (Herrich-Schäffer, 1840)	Baurci-Moldoveni (Baurci-Moldovani, Izmail)	5	24.06.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	27.06.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	3	26.06.1911	
72		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	30.06.1911	
Subfamily Melanoplinae Scudder, 1897					
Tribe Podismini Jacobson, 1905					
Subtribe <i>Podisma</i> Jacobson, 1905					
Genus <i>Podisma</i> Berthold, 1827					
75	<i>Podisma pedestris</i> (Linnaeus, 1758)	Talmaza	1	29.07.1932	
Subfamily Oedipodinae Walker, 1871					
Tribe Acrotylini Johnston, 1956					
Genus <i>Acrotylus</i> Fieber, 1853					
75	<i>Acrotylus insubricus</i> (Scopoli, 1786)	Vilcovo, Izmail	2	31.05.1911	
75		Izmail (Izmailisc)	3	05.06.1911	
Tribe Epacromiini Brunner von Wattenwyl, 1893					
Genus <i>Aiolopus</i> Fieber, 1853					
73	<i>Aiolopus halassinus</i> (Fabricius, 1781)	(Toporscaia, Izmailisc)	2	23.07.1911	
Tribe Parapleurini Brunner von Wattenwyl, 1893					
Genus <i>Mecostethus</i> Fieber, 1852					
73	<i>Mecostethus parapleurus</i> (Hagenbach, 1822) = <i>Parapleurus alliaceus</i>	Talmaza	2	05.08.1932	
Tribe Oedipodini Walker, 1871					
Genus <i>Celes</i> Saussure, 1884					
75	<i>Celes variabilis</i> (Pallas, 1771)	Izmail (Izmailisc)	1	05.06.1911	
75		Cahul	1	23.06.1911	
75		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	30.06.1911	
75		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	6	02.07.1911	
75		Toporscaia, Izmailisc	1	26.07.1911	
75		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	27.06.1911	
Genus <i>Oedipoda</i> Latreille, 1829					
75	<i>Oedipoda caerulescens</i> (Linnaeus, 1758)	Leova, in the vicinity of the Prut River, Izmailu	1	14.07.1911	
75		Leova, in the vicinity of the Prut River, Izmailu	6	15.07.1911	
75		(Toporscaia, Izmailisc)	2	26.07.1911	
75		Talmaza	1	16.07.1932	

Tribe Locustini Kirby, 1825 Subtribe Locustina Kirby, 1825 Genus <i>Locusta</i> Linnaeus, 1758				
75		Căpriana (Chiprianovsc, Chișinău)	1	06.08.1912
75	<i>Locusta migratoria</i> (Linnaeus, 1758)	Căpriana (Chiprianovsc, Chișinău)	1	01.09.1912
75		No data	1	No data
Genus <i>Oedaleus</i> Fieber, 1853				
75		Baurci-Moldoveni (Baurci-Moldovani, Izmail)	1	24.06.1911
75	<i>Oedaleus decorus</i> (Germar, 1825)	Leova, in the vicinity of the Prut River, Izmailu	2	15.07.1911
74		Kamenca (Tasbunari, Izmail)	1	11-12.06.1911
Genus <i>Psophus</i> Fieber, 1853				
75	<i>Psophus stridulus</i> (Linnaeus, 1758)	Sadova (Sadovsc, Calarași)	2	09.08.1911

DISCUSSIONS

As a result of an analysis and determination of the 371 orthopteran specimens from the “R. Stepanov” Entomological Collection stored in the National Museum of Ethnography and Natural History of The Republic of Moldova, it was established that these belong to 47 species, included in 38 genera, 22 tribes, 15 Subfamilies, and 6 families: Tettigoniidae with (9 species), Gryllidae (5 species), Gryllotalpidae (1 species), Tridactylidae (1 species), Tetrigidae (1 species) and Acrididae with 30 species (Tables 1, 2).

Table 2. The numerical spectrum of the analysed Orthoptera specimens stored in the “R. Stepanov” Entomological Collection stored in the National Museum of Ethnography and Natural History of The Republic of Moldova.

No.	Family	Subfamily	No. of tribes	No. of genera	No. of species	No. of specimens		
						Republic of Moldova	Ukraine	No data
1.	Tettigoniidae	Phaneropterinae	1	1	1	8	0	-
2.		Bradyprinae	1	1	1	9	-	3
3.		Conocephalinae	1	1	1	6	-	-
4.		Tettigoniinae	3	5	5	25	0	2
5.	Gryllidae	Gryllinae	2	5	5	14	10	-
6.		Oecanthinae	1	1	1	7	-	-
7.	Gryllotalpidae	Gryllotalpinae	-	1	1	3	1	4
8.	Tridactylidae	Tridactylinae	-	1	1	-	12	-
9.	Tetrigidae	Tetriginae	-	1	1	12	4	-
10.	Acrididae	Acridinae	1	1	1	1	-	1
11.		Cyrtacanthacridinae	1	1	1	-	-	1
12.		Calliptaminae	-	1	1	3	-	2
13.		Gomphocerinae	5	9	18	150	49	4
14.		Melanoplinae	1	1	1	1	-	-
15.		Oedipodinae	5	8	8	31	7	1
	TOTAL		22	38	47	270	83	18

As seen in table two, the biggest number of tribes are in the Acrididae family - thirteen and the Tettigoniidae family - with seven tribes.

Of 371 orthopteran specimens stored in the “R. Stepanov” Entomological Collection of the National Museum of Ethnography and Natural History of The Republic of Moldova, 270 are from the actual territories of the Republic of Moldova and 83 from the territories that currently belong to Ukraine, (Table 2). Also, we have 18 specimens about which nothing is known, because the labels with the collection date and place are missing.

CONCLUSIONS

- As a result of the study of the Orthoptera group from the “R. Stepanov” entomological collection stored in the National Museum of Ethnography and Natural History of The Republic of Moldova, it was established that it is represented by 371 orthopteran specimens collected from the current territories of the Republic of Moldova and of Ukraine.
- Following the analysis and determination of the specimens from this collection, 48 species were determined, that belong to 38 genera, 22 tribes, 15 Subfamilies, and 6 families.
- The richest family in this collection is Acrididae – with 30 species.

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