

CATALOGUE OF THE ODONATA COLLECTION IN THE MACEDONIAN MUSEUM OF NATURAL HISTORY

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Abstract

The Odonata collection in the Macedonian Museum of Natural History is the most comprehensive collection of this insect order in Macedonia. It is comprised of 1344 specimens, belonging to 46 species. The oldest specimens were collected in 1938, while the freshest material was collected in 2009. This period of time, about 70 years long, presents respectable continuity in collecting Odonata. Unfortunately, explorations didn't equally cover the given period of time and the area from which the entomological material originated. This catalogue includes data on *Lestes parvidens* Artobolevskii, 1929, which is a new species for Macedonian fauna. New data on the distribution of *Aeshna juncea* (Linnaeus, 1758) and *Gomphus schneiderii* Selys, 1850 in Macedonia are briefly commented on.

KEY WORDS: Catalogue, Odonata, Macedonia, Museum

Introduction

The Odonata Fauna of Macedonia is, as in other countries of the central Balkans, explored insufficiently. There are only a few papers dedicated to the Odonata fauna of this country (FILEVSKA, 1956; BUCHHOLZ, 1963; KARAMAN, 1969, 1981, 1984-85, 1992; PETERS & HACKETHAL, 1986; ADAMOVIĆ, 1990; KITANOVA *et al.*, 2008; MICEVSKI *et al.*, 2008; JOVIĆ, 2009). The available written data mostly refer to specific small parts of Macedonia. Due to planning and coordination in efforts to realize the sustainable development and preservation of biodiversity, there has recently been a great need for summing up all of the available data and creating schemes of the fauna of the wider parts, the whole states and regions. It is possible to do this only by using all the available

sources of information (literature, data bases, museum and other naturalistic collections) and with planned fieldwork (eg Jović, 2009).

The main goal in creating this catalogue was to sum up the data found in the collection of the Odonata in the Macedonian Museum of Natural History (MMNH) in Skopje, in order to create some public awareness of it. The project, financed by the Ministry of Culture of the Republic of Macedonia, was created to aid in the realization of this idea.

The collection of Odonata in the MMNH is the biggest collection of this insect order in Macedonia and therefore is of great significance in this region. The oldest specimens in the collection were collected in 1938. Following the destiny of the rest of the Museum, the collection has gone through several critical situations, for example the period of occupation during World War II (1941-1945) when the greater part of the Museum's fund was taken out of Macedonia, and, later, the destructive earthquake that caught Skopje in 1963.

In evaluating a museum collection, special attention is paid to its cultural, historical and general social aspect as well as to the objects themselves. With that in mind, a very significant character in the Balkans' history of biological science must be recognized for his contribution to the creation of this collection – Dr Stanko Karaman, the founder of the Macedonian Museum of Natural History.

Material and Methods

The nomenclature we used in creating this catalogue corresponds to that given by DIJKSTRA & LEWINGTON (2006). The collection of Odonata of the MMNH comprises 1344 specimens gathered during a period of 70 years. The material kept in this collection originates mostly from the territory of Macedonia, while a very small number of specimens was gathered in the territories of Bosnia & Herzegovina, Greece, Serbia and Turkey. A number of specimens has had labels with the identification of the species. These specimens have been identified by Dr Biljana KARAMAN.

Results

Catalogue

Family Calopterygidae

Calopteryx virgo (Linnaeus, 1758) (inventory numbers: 001001-001092)

Bosnia and Herzegovina

Boračko Lake, 1974-07-04, 5♂, leg. Jonče Čingovski;

Macedonia

Berovo: Breza, 1957-06-25, 1♂, leg. Jonče Čingovski; Demir Hisar: Sveta, 1983-05-17, 4♂ 4♀, leg. Branislava Mihajlova; Dojran, 1985-08-05, 2♂ 3♀, leg. Mitko Sovkovski; Makedonski Brod, 1966-06-02, 1♂, leg. Jonče Čingovski; Makedonski Brod: Latovo, 2008-06-03, 4♂ 4♀, leg. Miroslav Ivanov; Mavrovo, 1972-06-15, 1♀, leg. Jonče Čingovski, 1977-05-19, 1♂, leg. Jonče Čingovski; Mt. Kožuf: Belbunar, 1955-06-07/08, 5♂ 1♀, leg. Kiro Bogoevski; Lazaropole, 1995-07-03, 2♂, leg. Vladimir Krpač; Skopje, 1940-07-19, 1♂, leg. Zora Karaman; Skopje: Katlanovo, 1959-07, 1♂ 3♀, leg. Jonče Čingovski; Skopje: Matka, 1972-06-

09, 9♂ 7♀, leg. Jonče Čingovski, 1978-06-03, 1♂, leg. Nada Topukova; Skopje: Rašče, 1976-07-03, 8♂ 12♀, leg. Jonče Čingovski, 1993-06-10, 3♂ 2♀, leg. Vladimir Krpač; Strumica: BANSKO, 1981-05-21, 1♂, leg. Jonče Čingovski; Tetovo: Čelopek, 1972-06-04, 1♀, leg. Jonče Čingovski; Tetovo: Jegunovce, 1966-07-09, 2♀, leg. Jonče Čingovski; Veles: River Otovica, 1966-07-03, 1♀, leg. Jonče Čingovski;

Serbia

Mt. Šar Planina: Brezovica, 1974-07-20, 1♂, leg. Jonče Čingovski.

Calopteryx splendens (Harris, 1782) (inventory numbers: 002001-002096)

Macedonia

Dojran, 1985-08-05, 1♂ 1♀, leg. Mitko Sovkovski, 1986-05-25, 1♂, leg. Nada Topukova, 1966-07-25, 2♂ 1♀, leg. Kiro Bogoevski, 1979-05-30, 1♂, leg. Jonče Čingovski; Gevgelija: Bogdanci, 1981-05-08, 4♂, leg. Nada Topukova; Kočani: Ularci, 2008-05-30, 1♂ 1♀, leg. Miroslav Ivanov; Kočani: Firth of Zletovica into Bregalnica, 2008-05-31, 1♀, leg. Miroslav Ivanov; Kumanovo: Tromeda, 1963-06-27, 1♀, leg. Jonče Čingovski; Makedonska Kamenica, 1977-06-14, 1♂ 3♀, leg. Jonče Čingovski; Mariovo: Crna Reka River: Rasimbegov most, 2006-06-18, 3♂, leg. Vladimir Krpač; Nov Dojran, 1981-05-09, 1♂, leg. Nada Topukova; Prilep: Konjare, 1979-05-07, 1♀, leg. Branislava Mihajlova; River Pčinja, 1962-06-12, 1♂, leg. Nada Topukova; Resen: Ezerani, 1954-06-24, 1♂, leg. Pero Ivanovski; Skopje, 1940-07-12, 1♀, leg. Stanko Karaman, 1941-06-20, 1♂, leg. Krsto Tuleškov; Skopje: Katlanovo, 1967-06-01, 1♀, 1967-06-30, 1♂, leg. Jonče Čingovski; Skopje: Katlanovska Banja, 2008-06-02, 5♂ 3♀, leg. Miroslav Ivanov; Skopje: Matka, 1969-06-30, 1♂, 1972-06-09, ♂, leg. Jonče Čingovski; Skopje: Mt. Vodno, 1954-07-13, 1♀, leg. Pero Ivanovski; Skopje: Rašče, 1993-06-10, 5♂ 3♀, leg. Vladimir Krpač; Skopje: Treska River, 1941-06-05, 1♀, leg. Krsto Tuleškov; Skopje: Saraj, 1961-07-12, 1♂, leg. Ksenija Ilievska; Skopje: Petrovec (canal), 2008-06-02, 3♂ 1♀, leg. Miroslav Ivanov; Skopje: Taor, 1959-08-06, 1♀, leg. Jonče Čingovski; Skopje: Railway station Pčinja, 1954-08-05/11, 2♂ 2♀, leg. Kiro Bogoevski; Štip: River Bregalnica: Dolni Balvan, 2008-05-30, 4♂ 7♀, leg. Miroslav Ivanov; Štip: Dolni Balvan, 1981-06-03, 1♀, leg. Jonče Čingovski; Struga, 1954-06-26, 4♂ 1♀, leg. Zora Karaman; Veles: River Topolka, 2008-06-06, 8♂ 2♀, leg. Miroslav Ivanov; Veles: Dorfulija, 1997-06-15, 5♂, leg. Vladimir Krpač; Veles: Otovica, 1966-07-03, 1♀, leg. Jonče Čingovski;

Turkey

Bursa, 1973-07-19, 2♂ 1♀, leg. Jonče Čingovski.

Family Lestidae

Lestes barbarus (Fabricius, 1798) (inventory numbers: 004001-004051)

Macedonia

Galičica: Ski lift, 2009-06-01, 1♂ 1♀, leg. Vladimir Krpač; Kičevo: Belica, 1985-06-11, 1♀, leg. Nada Topukova; Kratovo: Stracin, 1993-06-02, 1♀, leg. Vladimir Krpač; Mavrovo, 1981-07-16, 3♂ 1♀, leg. Jonče Čingovski; Ohrid: Hydrobiological Station, 1939-07-24, 1♂ 1♀, leg. Zora Karaman; Prilep: Belo Pole (canal), 2008-06-03, 2♂ 1♀, leg. Miroslav Ivanov; Prilep: Konjari, 1979-05-07, 6♂ 7♀, leg. Branislava Mihajlova; Skopje, 1939-08, 1♀, 1940-07-26, 7♂ 1♀, leg. Zora Karaman; Skopje: City Park, 1939-08-12, 1♀, leg. Zora Karaman, 1957-06-16, 1♀, leg. Jonče Čingovski; Skopje: Katlanovo, 1970-07-14, 4♂ 1♀, leg. Nada Topukova; Skopje: Rašče, 1940-07-26, 1♀, leg. Zora Karaman; Skopje: Ilinden, 1963-07-01, 1♀, leg. Jonče Čingovski; Skopje: Zelenikovo, 1954-08-23/26, 1♀, leg. Kiro Bogoevski; Skopje: ZOO, 1939-08-12, 1♂, leg. Kiro Bogoevski; Struga, 1954-06-23/25, 2♀, 1954-06-26, 1♂ 1♀, leg. Zora Karaman; Tetovo: Jegunovce, 1961-07-15, 1♀, leg. Nada Topukova.

Lestes virens (Charpentier, 1825) (inventory numbers: 005001-005050)

Macedonia

Kičevo: Oslomej, 1981-09-18, 1♀, leg. Jonče Čingovski; Ohrid: Hydrobiological Station, 1939-07-24, 2♂ 3♀, leg. Zora Karaman; Mt. Kožuf: Belbunar, 1955-06-07/08, 1♂, leg. Kiro Bogoevski; Prilep: Belo Pole (canal), 2008-06-03, 1♀, leg. Miroslav Ivanov; Skopje, 1940-07-18, 2♂, 1940-07-26, 1♀, leg. Zora Karaman; Skopje: City Park, 1939-08-12, 2♂ 3♀, leg. Zora Karaman, 1957-06-16, 2♀, leg. Jonče Čingovski; Skopje: Katlanovo, 1957-06-16, 2♀, leg. Slavko Joksimović, 1959-07, 1♂, leg. Jonče Čingovski; Skopje: Katlanovsko Lake, 1938-10-17, 4♂ 1♀, leg. Zora Karaman; Skopje: Ilinden, 1963-07-01, 1♂, leg. Jonče Čingovski; Skopje: Taor, 1947-09-23, 1♀, leg. Kiro Bogoevski; Skopje: Trubarevo, 1954-09-25, 1♀, leg. Jonče Čingovski; Skopje: Zelenikovo, 1954-08-23/26, 6♂ 9♀, leg. Kiro Bogoevski; Struga, 1954-06-23/25, 1♂ 1♀, 1954-06-26, 1♂ 3♀, leg. Zora Karaman.

Lestes sponsa (Hansemann, 1823) (inventory numbers: 007001-007010)

Macedonia

Mt. Dešat, 1987-09-25, 9♂, leg. Vladimir Krpač; Struga, 1954-06-23/25, 1♂, leg. Zora Karaman.

Lestes dryas Kirby, 1890 (inventory numbers: 008001-008002)

Macedonia

Prilep: Belo Pole (canal), 2008-06-03, 1♂, leg. Miroslav Ivanov; Prilep: Konjari, 1979-05-07, 1♂, leg. Branislava Mihajlova.

Lestes parvidens Artobolevskii, 1929 (inventory number: 010001)

Macedonia

Skopje: Miladinovo, 2008-10-19, 1♂, leg. Zoran Nikolov.

Sympetma fusca (Vander Linden, 1820) (inventory numbers: 011001-011010)

Macedonia

Dojran, 1957-07-19, 1♀, leg. Jonče Čingovski; Lake Kalimanci, 1988-07-01, 1♀, leg. Vladimir Krpač; Mt. Konečka, 1988-04-22, 1♀, leg. Vladimir Krpač; Prilepsko lake, 2008-06-03, 1♂ 1♀, leg. Miroslav Ivanov; Skopje: Railway station Pčinja, 1954-08-05/11, 1♂ 2♀, leg. Kiro Bogoevski; Štip, 1973-04-13, 1♂, leg. Jonče Čingovski; Veles, 1975-07-15, 1♂, leg. Jonče Čingovski.

Family Platycnemididae

Platycnemis pennipes (Pallas, 1771) (inventory numbers: 012001-012105)

Bosnia and Herzegovina

Boračko lake, 1974-07-04, 2♂, leg. Jonče Čingovski;

Macedonia

Berovo: Breza, 1957-06-25, 1♂, leg. Jonče Čingovski; Dojran, 1966-09-14, 4♀, leg. Jonče Čingovski, 1966-07-25, 1♂, leg. Kiro Bogoevski; Kumanovo: Agino Selo, 1972-05-02, 1♀, leg. Jonče Čingovski; Makedonska Kamenica, 1977-06-14, 8♂ 2♀, leg. Jonče Čingovski; Mariovo: Crna Reka river: Rasimbegov most, 2006-06-18, 2♀, leg. Vladimir Krpač; Mavrovo, 1977-05-19, 1♀, leg. Jonče Čingovski; Prilep: Konjari, 1979-05-07, 1♀, leg. Branislava Mihajlova; Prilepsko lake, 2008-06-03, 3♀, leg. Miroslav Ivanov; River Pčinja, 1962-07-12, 1♂, leg. Nada Topukova, 1962-07-12, 1♀, leg. Jonče Čingovski; Skopje, 1940-07-18, 2♂, leg. Zora

Karaman; Skopje: Kapištec, 1961-07-19, 1♂, leg. Ksenija Ilievska; Skopje: Katlanovo, 1967-06-01, 4♂ 2♀, leg. Jonče Čingovski, 1988-06-09, 3♂ 1♀, leg. Vladimir Krpač; Skopje: Katlanovska Banja, 2008-06-02, 2♂ 1♀, leg. Miroslav Ivanov; Skopje: Rašče, 1993-06-10, 1♂, leg. Vladimir Krpač; Skopje: River Treska, 1941-06-05, 1♂, leg. Krsto Tuleškov; Skopje: Ilinden, 1960-05-15, 1♂ 3♀, leg. Jonče Čingovski; Skopje: Petrovec (canal), 2008-06-02, 1♂, leg. Miroslav Ivanov; Skopje: Zelenikovo, 1954-08-23/26, 3♂, leg. Kiro Bogoevski; Skopje: Railway station Pčinja, 1954-08-05/11, 5♂ 7♀, leg. Kiro Bogoevski, 012055; Skopje: ZOO, 1939-06-18, 1♂ 2♀, leg. Stanko Karaman; Štip: River Bregalnica: Dolni Balvan, 2008-05-30, 6♂ 2♀, leg. Miroslav Ivanov; Struga, 1954-06-23/25, 2♂ 3♀, 1954-06-26, 2♀, leg. Zora Karaman; Veles, 1985-06-06, 1♂ 1♀, leg. Nada Topukova; Veles: River Topolka, 2008-06-06, 7♂ 5♀, leg. Miroslav Ivanov; Veles: Dorfulija, 1997-06-15, 3♂ 2♀, leg. Vladimir Krpač;

Turkey

Bursa, 1973-07-19, 2♀, leg. Jonče Čingovski.

Family Coenagrionidae

Pyrhosoma nymphula (Sulzer, 1776) (inventory numbers: 013001-013030)

Macedonia

Berovo: Breza, 1957-06-25, 1♂, leg. Jonče Čingovski; Kičevo: Izvor: Spring of the River Treska, 2008-06-03, 1♂ 1♀, leg. Miloš Jović; Mavrovo, 1981-07-16, 1♂, leg. Jonče Čingovski; Mavrovo: Dunje, 1984-05-30, 4♂ 2♀, leg. Nada Topukova; Prilep: Pletvar, 1997-06-17, 8♂ 7♀, leg. Vladimir Krpač; Lazaropole, 1995-07-03, 2♂ 1♀, leg. Vladimir Krpač; Skopje: Breznica, 1997-10-12, 1♀, leg. Vladimir Krpač; Strumica: Bansko, 1981-05-21, 1♂, leg. Jonče Čingovski.

Erythromma viridulum (Charpentier, 1840) (inventory numbers: 015001-015009)

Macedonia

Dojran, 1966-07-25, 1♂, leg. Kiro Bogoevski; Ohrid: Hydrobiological Station, 1939-07-24, 1♀, leg. Zora Karaman; Skopje: City Park, 2006-08-11, 1♀, leg. Miroslav Ivanov; Skopje: Katlanovska Banja, 2008-06-02, 1♂, leg. Miroslav Ivanov; Skopje: Katlanovsko Blato, 2008-06-02, 1♀, leg. Miroslav Ivanov; Skopje: Katlanovsko lake, 1948-09-22, 1♂, leg. Kiro Bogoevski; Skopje: Petrovec (canal), 2008-06-02, 1♂, leg. Miroslav Ivanov; Struga, 1954-06-26, 1♂, leg. Zora Karaman; Veles, 1975-07-15, 1♂, leg. Jonče Čingovski.

Erythromma lindenii (Selys, 1840) (inventory numbers: 016001-016004)

Macedonia

Dojran, 1975-06-07, 1♂, leg. Jonče Čingovski; Kočani: Pišica (artificial lake), 2008-05-31, 1♂ 1♀, leg. Miroslav Ivanov; Ohrid: Gorica, 1995-06-06, 1♀, leg. Vladimir Krpač.

Coenagrion scitulum (Rambur, 1842) (inventory numbers: 017001-017002)

Macedonia

Mavrovo, 1981-07-16, 1♀, leg. Jonče Čingovski; Skopje: Nerezi, 1941-08-23, 1♀, leg. Krsto Tuleškov.

Coenagrion ornatum (Selys, 1850) (inventory numbers: 019001-019012)

Macedonia

Gevgelija: Negorci, 1968-05-03, 1♀, leg. Jonče Čingovski; Mavrovo, 1975-06-22, 1♂, 1978-05-19, 1♀, 1978-07-03, 1♀, leg. Jonče Čingovski; Mavrovo: Dunje, 1984-05-30, 1♂ 1♀, leg. Nada Topukova; Mt.

Kožuf: Belbunar, 1955-06-07/08, 2♂, leg. Kiro Bogoevski; Skopje: Dolno Blace, 1973-04-30, 3♀, leg. Jonče Čingovski; Skopje: Vuči dol, 1974-05-30, 1♂, leg. Jonče Čingovski.

Coenagrion puella (Linnaeus, 1758) (inventory numbers: 020001-020010)

Macedonia

Ohrid, 1945-07-10, 2♂ 1♀, leg. Petar Ikonov; Ohrid: Hydrobiological Station, 1939-07-23, 1♀, leg. Zora Karaman; Prilep: Pletvar, 1997-06-17, 1♂, leg. Vladimir Krpač; Skopje: Rašče, 1993-06-10, 4♂ 1♀, leg. Vladimir Krpač.

Coenagrion pulchellum (Vander Linden, 1825) (inventory numbers: 021001-021007)

Macedonia

Prilep: Belo Pole, 2008-06-03, 1♂, leg. Miloš Jović, 2006-06-03, 1♂ 4♀, leg. Miroslav Ivanov; Struga, 1954-06-26, 1♀, leg. Zora Karaman.

Enallagma cyathigerum (Charpentier, 1840) (inventory numbers: 022001-022232)

Macedonia

Kičevo: Krušino, 1974-07-12, 4♂ 2♀, leg. Jonče Čingovski; Kočani: Pišica (artificial lake), 2008-05-31, 2♂ 1♀, leg. Miroslav Ivanov; Mavrovo, 1973-07-03, 59♂, 27♀, 1974-07-26, 8♂ 1♀, 1975-07-02, 1♀, 1975-07-03, 1♂, 1975-07-05, 2♂, 1975-08-04, 12♂ 6♀, 1977-05-19, 41♂ 13♀, 1981-05-27, 1♂, leg. Jonče Čingovski; 1971-07-24, 12♂ 2♀, leg. Nada Topukova; Ohrid: Gorica, 1995-06-06, 5♂ 3♀, leg. Vladimir Krpač; Ohrid: Hydrobiological Station, 1939-07-24, 1♂ 1♀, 1939-07-25, 1♂ 1♀ 1D, 1939-07-26, 3♂ 4♀ 1D, leg. Zora Karaman; Mt. Bistra, 1998-06-07, 1♀, leg. Vladimir Krpač; Skopje: Katlanovo, 1972-04-30, 1♂, leg. Nada Topukova; Struga, 1954-06-23/25, 1♂, 1954-06-26, 2♂ 2♀ 1D, leg. Zora Karaman; Struga: Labunište, 1980, 2♂, leg. Jonče Čingovski; Tetovo: Čelopek, 1972-06-04, 2♂ 2♀, leg. Jonče Čingovski;

Serbia

Mt. Šar Planina: Brezovica, 1974-07-20, 1♂ 1♀, leg. Jonče Čingovski.

Ischnura pumilio (Charpentier, 1825) (inventory numbers: 023001-023009)

Macedonia

Kočani: Firth of Zletovica into Bregalnica, 2008-05-31, 1♂, leg. Miroslav Ivanov; Mavrovo, 1972-06-15, 1♂, leg. Jonče Čingovski; Prilepsko lake, 2008-06-03, 1♂, leg. Miroslav Ivanov; Skopje: Kapištec, 1961-07-19, 1♂, leg. Ksenija Ilievska; Skopje: Mt. Vodno, 1961-07, 2♂, leg. Nada Topukova; Skopje: Ilinden, 1960-05-15, 1♀, leg. Jonče Čingovski; Skopje: Zelenikovo, 1954-08-23/26, 2♀, leg. Kiro Bogoevski.

Ischnura elegans (Vander Linden, 1820) (inventory numbers: 024001-024108)

Macedonia

Dojran, 1966-07-25, 2♂ 1♀, 1966-09-14, 6♀, leg. Kiro Bogoevski, 1967-06-16, 3♂ 1♀, 1967-05-22, 1♂, leg. Jonče Čingovski, 1986-05-25, 1♂, leg. Nada Topukova; Dojran: Ačikot, 1994-06-28, 1♂ 1♀, leg. Vladimir Krpač; Dojran: Mrdaja, 1997-06-10, 1♂, leg. Vladimir Krpač; Dojran: Toplec, 1997-06-12, 1♀, leg. Vladimir Krpač; Gevgelija: Negorci, 1966-05-03, 3♂ 1♀, leg. Jonče Čingovski; Kočani: Pišica (artificial lake), 2008-05-31, 1♂, leg. Miroslav Ivanov; Kočani: Ularci, 2008-05-30, 1♂ 1♀, leg. Miroslav Ivanov; Makedonska Kamenica, 1977-06-14, 1♂, leg. Jonče Čingovski; Mavrovo: Nistrovo, 1996-06-06, 1♂, leg. Vladimir Krpač; Nov Dojran, 1981-05-09, 1♀, leg. Nada Topukova; Ohrid: Hydrobiological Station, 1939-07-24, 1♀ 1D, leg. Zora Karaman; Mt. Bistra, 1985-07-23, 1♂, leg. Nada Topukova; Mt. Galičica, 1989-07-13, 1♀, leg. Vladimir

Krpač; Prilepsko lake, 2008-06-03, 2♂, leg. Miroslav Ivanov; Lazaropole, 1996-07-10, 3♂ 1♀, leg. Vladimir Krpač; Skopje, 1988-04-09, 1♀, leg. Vladimir Krpač, 1940-07-26, 9♂ 4♀, leg. Zora Karaman; Skopje: Kapištec, 1961-07-19, 2♂, leg. Ksenija Ilievska; Skopje: Katlanovo, 1967-06-01, 4♂ 1♀, 1972-04-30, 1♂ 1♀, 1977-07-16, 3♂ 1♀, leg. Jonče Čingovski, 1957-07-16, 1♂ 1♀, leg. Slavko Joksimović, 1988-06-09, 1♂ 2♀, leg. Vladimir Krpač, 1970-07-14, 1♀, leg. Nada Topukova, Skopje: Ilinden, 1960-05-15, 3♂ 6♀, leg. Jonče Čingovski; Skopje: Petrovec (canal), 2008-06-02, 1♀, leg. Miroslav Ivanov; Skopje: Taor, 1956-05-07, 1♂, leg. Kiro Bogoevski; Skopje: Trubarevo, 1954-09-25, 2♂, leg. Jonče Čingovski; Skopje: ZOO, 1939-05-28, 1♀, leg. Stanko Karaman, 1939-08-12, 1♀, leg. Kiro Bogoevski; Struga, 1954-06-23/25, 1♂ 1♀, 1954-06-26, 3♂, leg. Zora Karaman; Veles, 1975-07-15, 6♀, leg. Jonče Čingovski, 1985-06-06, 3♂ 4♀, leg. Nada Topukova; Veles: Lake Mladost, 2006-09-15, 1♂, leg. Vladimir Krpač;

Turkey

Bursa, 1973-07-19, 1♂ 1♀, leg. Jonče Čingovski.

Family Aeshnidae

Aeshna juncea (Linnaeus, 1758) (inventory numbers: 027001-027006)

Macedonia

Mavrovo, 1991-07-09, 1♀, leg. Vladimir Krpač, 1991-08-09, 1♂ 1♀, leg. Todor Ivanovski; Struga: Labunište, 1980, 1♂ 1♀, leg. Jonče Čingovski; Veles, 1985-06-06, 1♂, leg. Nada Topukova.

Aeshna mixta Latreille, 1805 (inventory number: 029001)

Macedonia

Skopje, 1986-09-20, 1♂, leg. Nada Topukova.

Aeshna affinis Vander Linden, 1820 (inventory number: 030001)

Macedonia

Prespansko lake: Stenje, 2009-07-22, 1♂, leg. Vladimir Krpač.

Aeshna cyanea (Müller, 1764) (inventory number: 031204)

Macedonia

Mt. Dešat, 1987-09-25, 1♂, leg. Vladimir Krpač.

Aeshna isoceles (Müller, 1767) (inventory number: 033001)

Macedonia

Dojran: Nikolič, 1997-06-10, 1♂, leg. Vladimir Krpač.

Anax imperator Leach, 1815 (inventory number: 034001)

Macedonia

Skopje, 1987-06-15, 1♀, leg. Zorka Georgieva.

Anax ephippiger (Burmeister, 1839) (inventory number: 036001)

Macedonia

Dojran: Nikolič, 1982-06-12, 1♂, leg. Jonče Čingovski.

Family Gomphidae

Gomphus vulgatissimus (Linnaeus, 1758) (inventory numbers: 040001-040002)

Macedonia

Mariovo: Crna Reka river: Rasimbegov most, 2006-06-18, 1♀, leg. Vladimir Krpač; Veles: Čaška, 1969-07-11, 1♀, leg. Trajan Petkovski.

Gomphus schneiderii Selys, 1850 (inventory numbers: 041001-041002)

Macedonia

Mt. Galičica, 1980-06-05, 1♂, leg. Jonče Čingovski, 1997-06-18, 1♂, leg. Vladimir Krpač.

Onychogomphus forcipatus (Linnaeus, 1758) (inventory numbers: 043001-043021)

Macedonia

Dojran, 1985-08-05, 1♂ 1♀, leg. Mitko Sovkovski; Kočani: Firth of Zletovica into Bregalnica, 2008-05-31, 1♀, leg. Miroslav Ivanov; Mt. Galičica: Glajša, 2009-06-27, 3♂, leg. Miroslav Ivanov, 1♂, leg. Vladimir Krpač; Mt. Galičica: Glajša: Lake above St. Spas, 2008-06-14, 1♂, leg. Vladimir Krpač; Mt. Galičica: Korita, 2003-06-25, 1♂, leg. Miroslav Ivanov; Mt. Golak, 1978-07-09, ♂, leg. Jonče Čingovski; Mariovo: Crna Reka river: Rasimbegov most, 2006-06-18, 1♂, leg. Vladimir Krpač; Ohrid: Gradište, 1998-07-04, 1♂ 1♀, leg. Vladimir Krpač; Ohrid: Hydrobiological Station, 1939-07-23, 1♂, leg. Zora Karaman; Prespansko lake: Stenje, 2008-06-11, 1♀, leg. Zoran Nikolov; Prilep: Pletvar, 1997-06-17, 1♂, leg. Vladimir Krpač; Skopje: Katlanovo, 1959-07, 1♂, leg. Jonče Čingovski; Skopje: Mt. Vodno, 1954-07-13, 1♀, leg. Pero Ivanovski; Štip: River Bregalnica: Dolni Balvan, 2008-05-30, ♀, leg. Miroslav Ivanov; Veles: River Topolka, 2008-06-06, 1♂ 1♀, leg. Miroslav Ivanov.

Lindenia tetraphylla (Vander Linden, 1820) (inventory numbers: 044001-044023)

Macedonia

Dojran: Ačikot, 1994-06-28, 1♂, leg. Vladimir Krpač; Mavrovo, 1991-07-09, 1♂, leg. Vladimir Krpač; Skopje, 1974-06-30, 1♀, leg. Jonče Čingovski; Veles, 1975-07-15, 20♂, leg. Jonče Čingovski.

Family Cordulegastridae

Cordulegaster heros Theischinger, 1979 (inventory numbers: 046001-046004)

Macedonia

Debar: Crni Drim, 2008-06-28, ♂, leg. Zoran Nikolov; Demir Kapija: Bela Voda, 1998-07-01, ♂, leg. Vladimir Krpač; Skopje, 1987-08-03, ♀, leg. Kiril Mihajlov; Skopska Crna Gora, 1988-06-22, ♀, leg. Nada Topukova.

Cordulegaster bidentata Selys, 1843 (inventory numbers: 047001-047014)

Macedonia

Mt. Galičica, 1989-07-13, 2♂, leg. Vladimir Krpač; Mt. Jablanica, 1978-07-20, 1♂, leg. Jonče Čingovski; Mt. Jablanica: Gorna Belica, 2006-07-17, 1♂ 2♀, leg. Miroslav Ivanov; Mt. Korab: Štirovica, 1989-06-30, 1♂, leg. Vladimir Krpač; Mt. Kožuf, 1990-06-21, 1♂, leg. Vladimir Krpač; Mt. Pelister: Nastrešnica, 2008-07-25, 1♂, leg. Vladimir Krpač; Ohrid: Lagadin, 1997-06-29, 1♀, leg. Snežana Stanković; Skopje, 1988-07-22, 1♀, leg. Nada Topukova; Skopje: Matka, 1988-05-16, 1♂, leg. Vladimir Krpač; Skopje: Mt. Vodno, 1980-05-26, 1♀, leg. Jonče Čingovski, 1982-06-10, 1♀, leg. Nada Topukova.

Family Libellulidae

Libellula fulva (Müller, 1764) (inventory numbers 056001-056002)

Macedonia

Skopje: Petrovec (canal), 2008-06-02, 1♂, leg. Miloš Jović; Strumica: Smolari, 2008-06-07, 1♂, leg. Miloš Jović.

Libellula depressa Linnaeus, 1758 (inventory numbers: 057001-057014)

Macedonia

Dojran, 1985-08-05, 1♂, leg. Mitko Sovkovski; Dojran: Nikolič, 1997-06-10, 1♂, leg. Vladimir Krpač; Kavadarci: Pološki Manastir, 1985-05-31, 1♂, leg. Nada Topukova; Kočani: Pišica (artificial lake), 2008-05-31, 1♂, leg. Miroslav Ivanov; Lukovo Pole, 1989-06-08, 1♂, leg. Trajan Petkovski; Mt. Galičica, 1977-06-10, 1♂, leg. Branislava Mihajlova;

River Radika: Pilana, 1995-07-04, 1♂, leg. Vladimir Krpač; Lazaropole, 1995-07-03, 1♀, leg. Vladimir Krpač; Skopje: Raduša, 1993-06-10, 2♂ 1♀, leg. Vladimir Krpač; Skopje: Saraj, 1957-04-03, 1♀, leg. Duška Simova; Skopje: Varvara, 1980-06-08, 1♂, leg. Jonče Čingovski; Veles, 1980-06-06, 1♀, leg. Nada Topukova.

Orthetrum cancellatum (Linnaeus, 1758) (inventory numbers: 058001-058020)

Macedonia

Dojran, 1966-07-25, 1♂ 1♀, leg. Kiro Bogoevski; Mt. Galičica, 1997-06-18, 2♀, leg. Vladimir Krpač; Mt. Galičica: Glajša, 2009-06-27, 1♀, leg. Vladimir Krpač; Mt. Galičica: Ski liftovi, 2009-06-01, 1♀, leg. Vladimir Krpač; Kočani: Pišica (artificial lake), 2008-05-31, 1♂ 2♀, leg. Miroslav Ivanov; Mavrovo, 1977-05-19, 1♂, leg. Jonče Čingovski, 1990-08-12, 1♂, leg. Vladimir Krpač; Ohrid: Biljanini izvori, 2009-05-31, 1♀, leg. Vladimir Krpač; Prilep: Konjare, 1979-05-07, 1♀, leg. Branislava Mihajlova; Resen: Perovo, 1997-06-18, 1♀, leg. Vladimir Krpač; Resen: Arvatī, 1980-06-16, 1♀, leg. Jonče Čingovski; Skopje: Katlanovska Banja, 2008-06-02, 1♀, leg. Miroslav Ivanov; Mt. Stogovo, 1985-05-31, 1♀, leg. Nada Topukova; Veles, 1975-07-15, 2♂ 1♀, leg. Jonče Čingovski.

Orthetrum albistylum (Selys, 1848) (inventory numbers: 059001-059011)

Macedonia

Kočani: Firth of Zletovica into Bregalnica, 2008-05-31, 1♂, leg. Miroslav Ivanov; Kočani: Ularci, 2008-05-30, 2♀, leg. Miroslav Ivanov; Mavrovo, 1977-05-09, 2♂ 1♀, leg. Jonče Čingovski; Skopje: City Park, 2006-08-11, 1♂, 2006-09-07, 1♂, leg. Vladimir Krpač; Skopje: Katlanovo, 1967-05-01, 1♀, leg. Jonče Čingovski; Strumica: Monospitovo, 1986-06-06, 1♀, leg. Branislava Mihajlova; Veles, 1975-07-15, 1♀, leg. Jonče Čingovski.

Orthetrum brunneum (Fonscolombe, 1837) (inventory numbers: 060001-060019)

Macedonia

Dojran, 1985-08-05, 3♂ 2♀, leg. Mitko Sovkovski; Gevgelija: Furka, 1975-06-06, ♀, leg. Jonče Čingovski; Kočani: Firth of Zletovica into Bregalnica, 2008-05-31, 1♂, leg. Miroslav Ivanov; Kočani: Ularci, 2008-05-30, 2♀, leg. Miroslav Ivanov; Lazaropole, 1995-07-03, 1♂, leg. Vladimir Krpač; Mavrovo, 1974-07-28, 1♂, leg. Jonče Čingovski; Ohrid: Hydrobiological Station, 1939-07-22, 1♂, leg. Zora Karaman; River Radika: Pilana, 1995-07-04, 1♂, leg. Vladimir Krpač; Skopje, 1940-07-26, 1♂, leg. Zora Karaman; Skopje: Katlanovo, 1970-

07-14, 1♂, leg. Jonče Čingovski; Štip: River Bregalnica: Dolni Balvan, 2008-05-30, 1♀, leg. Miroslav Ivanov; Veles: River Topolka, 2008-06-06, 1♂, leg. Miroslav Ivanov;

Turkey

Bursa, 1973-07-19, 1♀, 1973-07-24, 1♂, leg. Jonče Čingovski.

Orthetrum coeruleescens (Fabricius, 1798) (inventory numbers: 061001-061034)

Macedonia

Dojran, 1966-07-25, 10♂ 1♀, leg. Kiro Bogoevski, 1985-08-05, 7♂, leg. Mitko Sovkovski; Dojran: Toplec, 1997-06-12, 1♂, leg. Vladimir Krpač; Gevgelija: Bogdanci, 1981-05-08, 1♀, leg. Nada Topukova; Mavrovo, 1975-06-22, 1♂, 1977-05-19, 1♂, 1981-05-27, 1♂ 3♀, 1981-07-16, 1♀, leg. Jonče Čingovski; Ohrid, 1945-07-10, 1♂, leg. Petar Ikonov; Ohrid: Hydrobiological Station, 1939-07-24, 1♂, leg. Zora Karaman; Skopje: City Park, 2006-08-11, 1♂, leg. Miroslav Ivanov; Skopje: Katlanovo, 1957-07-16, 1♀, leg. Duška Simova 1977-07-16, 1♂, leg. Jonče Čingovski; Skopje: Kučkovo, 1976-07-03, 1♀, leg. Jonče Čingovski; Tetovo: Čelopek, 1972-06-04, 1♀, leg. Jonče Čingovski.

Crocothemis erythraea (Brullé, 1832) (inventory numbers: 062001-062050)

Macedonia

Dojran, 1966-09-14, 2♂ 2♀, leg. Jonče Čingovski, 1985-08-05, 8♂, leg. Mitko Sovkovski; Makedonska Kamenica, 1977-06-14, 1♀, 1978-07-08, 1♂, leg. Jonče Čingovski; Mt. Kožuf: Smerdliva Voda, 1996-07-06, 1♂, leg. Vladimir Krpač; Skopje: City Park, 2006-08-11, 2♂, leg. Miroslav Ivanov, 2♂, leg. Vladimir Krpač; Skopje: Katlanovo, 1977-07-16, 2♂ 2♀, leg. Jonče Čingovski; Tikveško lake: Koturski Dol, 2002-06-20, 1♀, leg. Vladimir Krpač; Veles, 1975-07-15, 8♂ 4♀, leg. Jonče Čingovski; Veles: Lake Mladost, 2006-09-13, 4♂ 1♀, 2006-09-14, 5♂, 2006-09-15, 1♂, leg. Miroslav Ivanov, 2006-09-15, 2♂ 1♀, leg. Vladimir Krpač.

Sympetrum striolatum (Carpentier, 1840) (inventory numbers: 063001-063013)

Macedonia

Mt. Kitka: Mountain house Kitka, 2006-07-14, 1♂, leg. Vladimir Krpač; Mt. Pelister: Golema livada, 2009-07-02, 1♂, leg. Vladimir Krpač; Skopje, 1970-04-25, 1♂, leg. Jovan Kuševski; Skopje: City Park, 2006-09-07, 1♂, leg. Miroslav Ivanov; Skopje: Dolno Nerezi, 1941-08-23, 1♂, leg. Krsto Tuleškov; Star Dojran, 2008-11-02, 1♀, leg. Vladimir Krpač; Star Dojran: Sretenovo, 2008-11-03, 1♀, leg. Vladimir Krpač; Strumica: Hotel Sirius, 1998-11-04, 2♂ 1♀, leg. Vladimir Krpač; Veles, 1975-07-15, 3♀, leg. Jonče Čingovski.

Sympetrum meridionale (Selys, 1841) (inventory numbers: 065001-065022)

Macedonia

Skopje: Katlanovsko lake, 1938-10-17, 8♂ 1♀, leg. Zora Karaman; Skopje: Zelenikovo, 1954-08-23/26, 4♂ 2♀, leg. Kiro Bogoevski; Star Dojran, 2008-11-02, 1♀, leg. Vladimir Krpač; Veles, 1975-07-15, 3♂ 3♀, leg. Jonče Čingovski.

Sympetrum fonscolombii (Selys, 1840) (inventory numbers: 066001-066024)

Macedonia

Dojran, 1966-07-25, 1♂, 1966-09-14, 2♀, leg. Kiro Bogoevski; Dojran: Ačikot, 1994-06-28, 1♂, leg. Vladimir Krpač; Kočani: Firth of Zletovica into Bregalnica, 2008-05-31, 1♂, leg. Miroslav Ivanov; Kočani: Pišica (artificial lake), 2008-05-31, 1♂, leg. Miroslav Ivanov; Kočani: Ularci, 2008-05-30, 1♂, leg. Miroslav Ivanov; Mavrovo, 1988-07-06, 2♀, leg. Vladimir Krpač; Nov Dojran, 1981-05-09, 1♀, leg. Nada Topukova; Ohrid: Hydrobiological Station, 1939-07-23, 1♂, leg. Zora Karaman; Mt. Galičica: Tomoros, 2009-06-25, 1♂, leg.

Vladimir Krpač; Mt. Pelister, 1988-09-15, 1♂, leg. Vladimir Krpač; Mt. Stogovo, 1985-05-31, 1♀, leg. Nada Topukova; Skopje: Dolno Nerezi, 1954-08-16, 1♂, leg. Pero Ivanovski; Skopje: Mt. Vodno, 1974-05-25, 1♀, leg. Jonče Čingovski; Veles: Lake Mladost, 2006-09-13, 1♂, 2006-09-15, 3♂, leg. Miroslav Ivanov, 2006-09-15, 3♂, leg. Branislava Mihajlova;

Turska

Bursa, 1973-07-19, 1D, leg. Jonče Čingovski.

Sympetrum flaveolum (Linnaeus, 1758) (inventory numbers: 067001-067010)

Macedonia

Mt. Galičica: Glajša: Lake above St. Spas, 2008-06-14, 3♂ 1♀, leg. Vladimir Krpač; Mt. Korab, 1987-09-25, 5♂, leg. Vladimir Krpač; Mavrovo, 1981-07-16, 1♂, leg. Jonče Čingovski.

Sympetrum sanguineum (Müller, 1764) (inventory numbers: 068001-068044)

Greece

Platamona, 1986-07-30, 1♀, leg. Snežana Stanković;

Macedonia

Mt. Galičica, 1980-09-08, 1♂, leg. Jonče Čingovski; Mt. Galičica: Oteševo, 2006-07-19, 5♀, leg. Miroslav Ivanov; Mt. Galičica: Preslap, 2006-07-18, 1♀, leg. Miroslav Ivanov; Ohrid, 1986-06-02, 2♂, leg. Branislava Mihajlova; Ohrid: Hydrobiological Station, 1939-07-22, 8♂, leg. Zora Karaman; Prilep: Belo Pole, 2008-06-03, 1♂, leg. Miroslav Ivanov; Resen: Ezerani, 1954-06-24, 2♂ 2♀, leg. Pero Ivanovski; Skopje, 1942-07-01, 1♂, leg. Krsto Tuleškov; Skopje: Karpoš 1, 1999-08-11, 1♀, leg. Miroslav Ivanov; Skopje: Katlanovo, 1967-05-09, 3♂, leg. Jonče Čingovski; Skopje: Ilinden, 1963-07-01, 6♂ 1♀, leg. Jonče Čingovski; Skopje: Mađari, 1961-06-23, 1♀, leg. Jonče Čingovski; Skopje: Petrovec, 1957-06-05, 1♂, leg. Jonče Čingovski; Skopje: Railway station Pčinja, 1954-08-05/11, 2♀, leg. Kiro Bogoevski; Skopje: Zelenikovo, 1954-08-23/26, 1♀, leg. Kiro Bogoevski; Struga, 1954-06-26, 1♂ 1♀, leg. Zora Karaman; Veles, 1975-07-15, 1♂, leg. Jonče Čingovski, 068043;

Turkey

Bursa, 1973-07-19, 1♂, leg. Jonče Čingovski.

Sympetrum depressiusculum (Selys, 1841) (inventory numbers: 069001-069142)

Macedonia

Dojran, 1966-07-25, 1♂ 1♀, leg. Kiro Bogoevski, 1985-08-05, 16♂ 4♀, leg. Mitko Sovkovski; Lake Kalimanci, 1988-07-01, 3♂ 18♀, leg. Vladimir Krpač; Makedonska Kamenica, 1978-07-08, 39♂ 45♀, leg. Jonče Čingovski; Negotino: Kurija, 1987-07-03, 7♀, leg. Nada Topukova; River Pčinja, 1962-07-12, 1♀, leg. Jonče Čingovski; Skopje: Mt. Vodno, 1954-07-13, 1♀, leg. Pero Ivanovski; Skopje: Saraj, 1961-07-12, 1D, leg. Jonče Čingovski; Skopje: Taor, 1959-08-06, 1♂, leg. Kiro Bogoevski; Veles, 1975-07-15, 1♀, leg. Jonče Čingovski; Veles: Čaška, 1969-07-11, 1♂ 2♀, leg. Trajan Petkovski.

Sympetrum pedemontanum (Allioni, 1766) (inventory numbers: 070001-070022)

Macedonia

Berovo, 1978-07-10, 1♂, leg. Jonče Čingovski; Makedonska Kamenica, 1978-07-08, 4♂ 3♀, leg. Jonče Čingovski; Negotino: Kurija, 1987-07-03, 5♂ 1♀, leg. Nada Topukova; River Pčinja, 1962-07-12, 2♀, leg. Jonče Čingovski; Strumica: Novo Selo, 1960-07-12, 2♂, leg. Kiro Bogoevski; Tetovo: Jegunovce, 1961-07-15, 1♀, leg. Jonče Čingovski; Veles: Čaška, 1969-07-11, 2♂ 1♀, leg. Trajan Petkovski.

Discussion

The most recent checklist of the Odonata of Macedonia (BOUDOT *et al.* 2009) reveals that the Odonata fauna of this country comprises 59 species. Examination of the Odonata collection in the MMNH showed the presence of one more species of Odonata in Macedonia – *Lestes parvidens* Artobolevskii, 1929. The finding of this species in the territory of Macedonia was expected. OLIAS *et al.* (2007) in their chorological analysis of the distribution of the species *Lestes parvidens* and *Lestes viridis* (Vander linden, 1825) in SE Europe predicted the distribution of *L. parvidens* that covers the strip along the Adriatic coast from Slovenia to Montenegro, southern and western Albania, southernmost and the southeastern part of Macedonia, Bulgaria (except the western part), southern and eastern Romania, Pannonian lowlands in northern Serbia and Croatia and northernmost parts of Bosnia. The predicted area of distribution of *L. parvidens* excluded almost all of the central Balkans. The *L. parvidens* specimen of the MMNH's collection originates from Skopje – the capital of Macedonia which is in the extreme north of the country. Having in mind the data about distribution of *L. viridis* and *L. parvidens* in Serbia, where *L. parvidens* was recorded in both northern and central parts of the country and *L. viridis* is known from only one locality in central Serbia (JOVIĆ *et al.* 2009), we can conclude that the areas of distribution of these species widely overlap in the territory of the central Balkans.

The recently discovered presence of the species *Aeshna juncea* (Linnaeus, 1758) and *Aeshna cyanea* (Müller, 1764) in Macedonia (MICEVSKI *et al.*, 2008) has also been confirmed by the material in the collection of the Macedonian Museum of Natural History. In addition, it has been shown that the *A. juncea* has a slightly wider distribution and that this species in Macedonia can be found even at much lower altitudes (vicinity of the town of Veles is situated at the altitude between 200 and 300 m a.s.l. and this species was recorded there in 1985) than the ones where the species was primarily collected [Begovo Pole on Mt. Jakupica, 1980 m a.s.l. (MICEVSKI *et al.*, 2008)]. A comprehensive review of the *A. juncea* records from the Balkan peninsula, including mountain localities of Slovenia (Bloke Plateau), Bosnia & Herzegovina (Mt. Treskavica), Montenegro (Mt. Durmitor and Mt. Sinjavina), Serbia (Mt. Golija) and Bulgaria (Mt. Rila and the Western Rhodopes Mts.), was given by MICEVSKI *et al.* (2008). The data from the collection of the Museum in Skopje show that the *A. juncea* obviously doesn't inhabit only high altitudes. We can assume that our current data about its distribution is nothing more than a fragment of the actual distribution of this species in Macedonia and the Balkans.

Other especially interesting data concerns the species *Gomphus schneiderii* Selys, 1850, which was found in the territory of Mt. Galičica. Because the mountain itself has a great lack of freshwater habitats, it is certain that this is also about the much wider territory that includes the bottom of this mountain on the banks of Prespansko and Ohridsko Lakes. Unfortunately, there is no specific data on the specimens labels about the localities where these have been found. Bearing in mind the form of male anal appendages, the mentioned specimens are more similar in appearance to *G. schneiderii* than *G. vulgatissimus*. These findings fit with the existing data about the distribution of *G. schneiderii* in Europe, which includes Montenegro, Albania, Macedonia, Greece and the European part of Turkey (BOUDOT *et al.* 2009).

In the collection of the MMNH there are representatives of about 77 percent of all species noted in Macedonia so far (46 of 60 species). Further, more intense and systematic research will surely show that this is not the final number of species that can be found in Macedonia. One of the mandates of each Natural History Museum is to gather as much knowledge about nature as it can. The Odonata collection in Skopje represents a good basis for learning about the fauna of Odonata of Macedonia. We have created a map (Fig. 1), based on the data from the specimen labels, which shows the territory covered by this collection.

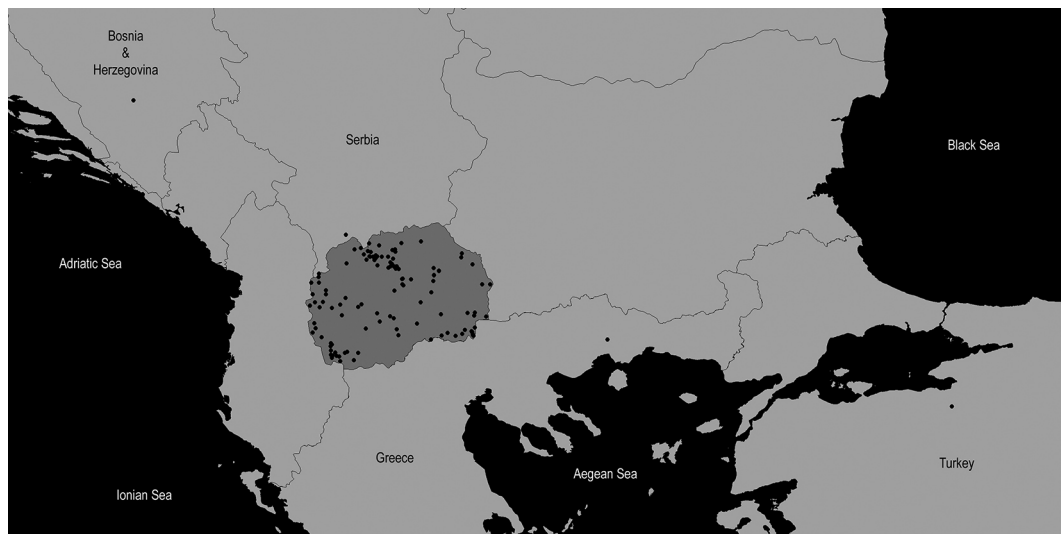


Figure 1. Map of the area from which originated material stored in the Odonata collection in MMNH. Black dots designate position of localities where listed Odonata were found. Dark gray surface is the territory of Macedonia. Other countries with Odonata records presented here are indicated by showing their names.

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КАТАЛОГ ЗБИРКЕ ODONATA У ПРИРОДЊАЧКОМ МУЗЕЈУ МАКЕДОНИЈЕ

МИЛОШ ЈОВИЋ И БРАНИСЛАВА МИХАЈЛОВА

Извод

Збирка Odonata Природњачког музеја Македоније (Природонаучен музеј на Македонија) у Скопљу је највећа збирка овог реда инсеката у Македонији. Обухвата 1344 примерка који се сврставају у 46 врста. Најстарији примерци у овој збирци потичу из 1938. године, док је најсвежији материјал сакупљен 2009. године. Овај период, дуг готово 70 година представља приличан континуитет. Нажалост, истраживања нису равномерно покрила овај временски период и простор са којег потиче ентомолошки материјал садржан у поменутој збирци. У овом каталогу налазе се подаци о врсти *Lestes parvidens* Artobolevskii, 1929 која је по први пут констатована на територији Републике Македоније. Нови подаци о дистрибуцији врста *Aeshna juncea* (Linnaeus, 1758) и *Gomphus schneiderii* Selys, 1850 у Македонији су укратко коментарисани.

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