



CATALOGUE

OF THE DIGITIZED COLLECTIONS,
DEPOSITED IN THE STATE MUSEUM
OF NATURAL HISTORY, NATIONAL
ACADEMY OF SCIENCES OF UKRAINE

Herbarium, entomological
& mammological collections

(Scientific-reference edition)

Catalogue of the digitized collections, deposited in the State Museum of Natural History, National Academy of Sciences of Ukraine. Issue 1. Herbarium, entomological & mammological collections. – Lviv, 2023. – 250 p. [Electronic publication]

Abstract. The cataloging of moss and fern samples and specimens dragonflies, beetles, lacewings, bumblebees and felids from the collection of the State Museum of Natural History, National Academy of Sciences of Ukraine, has been started. In this first part of the catalogue, we present precise information about 38 species and 425 digitized specimens of biota groups mentioned above. Four species *Rhysodes sulcatus* (Fabricius, 1787) (Coleoptera, Carabidae), *Bombus muscorum* (Linnaeus, 1758) (Hymenoptera, Apidae), *Felis silvestris* Schreber, 1775, *Lynx lynx* (Linnaeus, 1758) (Mammalia, Carnivora) are listed in the Red Data Book of Ukraine.

For botanists, entomologists and mammologists, workers of natural history museums.

Key words: mosses, ferns, dragonflies, ground beetles, minute tree-fungus beetles, jewel beetles, lacewings, bumblebees, felids, museum, digitized collection, catalogue.

*Recommended for publication by the Scientific Council of the State
Museum of Natural History, National Academy of Sciences of
Ukraine*

LIST OF ABBREVIATIONS

- AR – Autonomous Republic
BR – Biosphere Reserve
CBAzL – Black Sea-Azov land
CrMts – Crimean Mountains
CsCp – Ciscarpathians' Upland
DCBU – Data Centre “Biodiversity of Ukraine”
DnDpL – Dnister-Dnipro land
EBs – Eastern Beskydy
Event Date format – yyyy-mm-dd,
FSZ – Forest-Steppe zone,
FZB – Temperate broad-leaf forest zone,
FZM – Mixed forest zone
Gg – Gorgany massif
LAL – Landscape Architecture Landmark
LN – Landmark of Nature
MrCh – Marmarosh-Chyvchyny region
NNP – National Nature Park
NR – Nature Reserve
OCVV – Outercarpathians and Vododilno-Verkhovynska oblasti
PBC – Pokutsko-Bukovynski Carpathians
PIChr – Polonynsko-Chornohirska region
Polonyna – mountain meadow in the Ukrainian Carpathians
RLP – Regional Landscape Park
Rop - Roztotsko-Opilska Upland
SMNH – State Museum of Natural History, National Academy of Sciences of Ukraine, Lviv
SMNH LWS – Herbarium of the State Museum of Natural History, National Academy of Sciences of Ukraine, Lviv
SZ – Steppe zone
SZN – Northern Steppe subzone
SZS – South Steppe subzone
UC – Ukrainian Carpathians
ZAK – Zakaznyk (a type of protected area in Ukraine that meets the World Conservation Union's (IUCN) criteria of the category IV, or more frequently, the category VI)

PREFACE

Museum collections are the important resources for scientists, studying different groups of biota and their diversity. These collections include specimens both from Ukraine and neighboring countries, and can be used to study the taxonomy, biogeography, morphology, and evolution of plants and animals. Besides, the museum collections may be useful for research in biology and ecology of insects, which can help in their conservation efforts.

State Museum of Natural History, National Academy of Sciences of Ukraine in Lviv is one of the oldest and the richest in terms of the natural scientific collections in Ukraine. On the whole, the natural collections include about 400 thousand items, and are of exceptional importance for science. By the resolution of the Cabinet of Ministers of Ukraine (2001), scientific collections and rare display cabinets of the XIX century were granted the status of National heritage. Over the past seven years the SMNH has been engaged in the introduction of an electronic collection accounting system and collections' digitization using the software and web resource Data Centre "Biodiversity of Ukraine" (DCBU) created in the Museum. The web resource Data Centre "Biodiversity of Ukraine" was created in the State Museum of Natural History, NAS of Ukraine and published on the internet on May 25, 2017.

The web portal DCBU is working with database, which contains information on scientific and vernacular names of organisms, data records of species, digitized museum specimens, their geotagged geographical distribution, protection categories etc. The international standards (Darwin Core) to facilitate the sharing of information on biological diversity are used for the database maintenance. At present the database contains more than 58 thousand records, over 19 thousand of which are from the collection of the SMNH. Now above 3500 items (2000 mosses and vascular plants samples and 1500 insects and mammals specimens) are digitized and the process of digitization is ongoing.

This catalog contains data on 38 species: mosses (61 samples), ferns (67), dragonflies (48 specimens), beetles (ground beetles – 31 spec., minute tree-fungus beetles – 87 spec., jewel beetles – 10 spec.), lacewings (29 spec.), bumblebees (57 spec.) and felids (34 spec.) from the collection of the SMNH. In total 425 items. Four species, *Rhysodes sulcatus* (Fabricius, 1787) (Coleoptera, Carabidae), *Bombus muscorum* (Linnaeus, 1758) (Hymenoptera, Apidae), *Felis silvestris* Schreber, 1775, *Lynx lynx* (Linnaeus, 1758) (Mammalia, Carnivora) are listed in the Red Data Book of Ukraine. All samples are included in the electronic databases of the museum, in particular Data Centre "Biodiversity of Ukraine" <<http://dc.smnh.org/>>. Each sample has a QR code that can be used to go to its page in the web resource Data Centre "Biodiversity of Ukraine"

This catalogue enables easy searching and access to specimens of the SMNH collections for researchers and other users, which can be decisive for studying biodiversity and can help to fill gaps in knowledge and to prioritize future collecting efforts in areas where little is known about the certain groups of flora and fauna.

**CATALOGUE OF BROWN LACEWINGS SPECIMENS
(NEUROPTERA, HEMEROBIIDAE, WESMAELIUS) DEPOSITED IN THE
STATE MUSEUM OF NATURAL HISTORY NASU, LVIV, UKRAINE**

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Hemerobiidae is a family of Neuropteran insects (order Neuroptera), commonly known as brown lacewings, comprising approximately 500 species across 28 genera. The coloring of most species ranges from yellow to dark brown. They are generally small, with forewings 4-10 mm long, although in some species – up to 18 mm. Species of this family are distinguished from Chrysopidae (green lacewings), which are somewhat similar, by their colouration and wing venation. Hemerobiids have numerous long veins (two or more radial sectors) and forked costal cross veins, while chrysopids do not. While some genera, such as *Hemerobius*, *Micromus*, *Symphorobius*, and *Wesmaelius*, are widely distributed, most are confined to a specific biogeographical region. Like chrysopids, hemerobiids are predators, feeding primarily on aphids, both larvae and adults (Aspöcket al., 2016).

The genus *Wesmaelius* Krüger was erected in 1922 based on the type species *Hemerobius concinnus* Stephens, 1836. The genus belongs to the subfamily Hemerobiinae (Latreille, 1802) and is widely distributed in Asia, Africa, Europe, and North America. It is represented by the diversity of species in the temperate regions of North America and Eurasia.

Presently, about 65 species of this genus have been recorded in the world (Aspöck et al., 1980; Makarkin, 1986, 1996; Klimaszewski, Kevan, 1987), with ten species being recorded from Ukraine (Zakharenko, 1997, Serediuk, 2016).

Twenty-nine specimens of *Wesmaelius*, belonging to three species, are stored in the main collection of the museum. All of them were collected and identified by Józef Dziędziewicz at the end of the 19th and the beginning of the 20th century. All available data from the labels were entered into the Data Centre “Biodiversity of Ukraine” <<http://dc.smnh.org/>>. Brief information on the species distribution and biology, and the catalogue of specimens are presented below.

Wesmaelius (Wesmaelius) concinnus (Stephens, 1836) is a transpalaeartic species. It has been recorded in Ukraine in the central part of the mixed forest zone and in the Ukrainian Carpathians (Ivano-Frankivska and Zakarpatska provinces). This species develops on coniferous trees, with a preference for *Pinus* and *Picea*. It is thermophilic and its population is consistently low. It overwinters in the egg stage, and only one generation develops per year (Aspöck et al., 1980, Serediuk, 2016). The SMNH collection contains 11 specimens of *W. concinnus*. Among specimens are those, that have been collected from Lvivska province in 1903 (Velykyi Liubin – June 17, Kryvchytsi – June 19; Briukhovychi). Three specimens

were collected from Lubaczów, Poland on June 15, 17, (year not specified) and one specimen lacks specifying collection data.

Wesmaelius (Kimmisia) nervosus (Fabricius, 1793) is a European-West Siberian species. In Ukraine it is found only in the Ukrainian Carpathians. Species adults can be found more often on the coniferous trees, although they can develop both on coniferous and deciduous trees and shrubs, and rarely on tall herbaceous vegetation. The species also occurs in the subalpine zone. It overwinters in the larval stage; 2-3, and sometimes 4 generations develop per year (Aspöck et al., 1980, Serediuk, 2016). Six specimens of *W. nervosus* are stored in the main collection of the museum. Four of them were collected from Lviv in May, without specifying the year. The fifth specimen was collected in 1908, August 3, near Vorokhta (Ivano-Frankivska province). One more specimen lacks specifying collection data.

Wesmaelius (Wesmaelius) quadrifasciatus (Reuter, 1894) is a transpalearctic species. In Ukraine, it is known only from the Ukrainian Carpathians (Lvivska, Ivano-Frankivska, and Zakarpatska provinces). It develops on conifers, mainly on *Picea* and *Abies*. It occurs from lowlands to subalpine zone. It overwinters in the larval stage. Only one generation develops per year (Aspöck et al., 1980, Serediuk, 2016). The SMNH collection contains 13 specimens of *W. quadrifasciatus*. Four of them were collected from Lviv in 1904-1905 and 1910 in May and June (Vulka, Zubra, Stryiskyi park). One more specimen was collected from Rava-Ruska (Lvivska province) on July 18, without specifying the year. Six specimens were collected from Ivano-Frankivska province (3 spec. were collected in 1908, two of them – on June 17 near Vorokhta, and one – on June 20 on the Mount Rebrovachka; 2 spec. were collected in 1905, one – on June 29 near Tatariv, and another – on July 2 near Yablunytsia; one spec. was collected in 1909, June 12 in the slope of the Mount Khomiak near Tatariv. Besides, 2 specimens of *W. quadrifasciatus* are from Poland: one was collected in 1905, July 7, in Jasień, and another – in 1909, July 27, 1909 near Zawoja (Babia Góra Mount).

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/1**
Digital record number: **SMNH005599**
Data Centre "Biodiversity of Ukraine": **ID 44405**



Fig. 1. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-06-17. *Country:* Ukraine. *StateProvince:* Lvivska. *District:* Lvivskyi. *Municipality:* Velykyi Liubin. *Georegion:* FZB: ROP: Opillia. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/2**
Digital record number: **SMNH005600**
Data Centre "Biodiversity of Ukraine": **ID 44407**

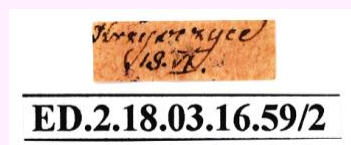


Fig. 2. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-06-19. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROP: Roztochchia. *Locality:* Kryvchytsi. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/3**
Digital record number: **SMNH005601**
Data Centre "Biodiversity of Ukraine": **ID 44408**



Brzuchowice
16.6. 1903

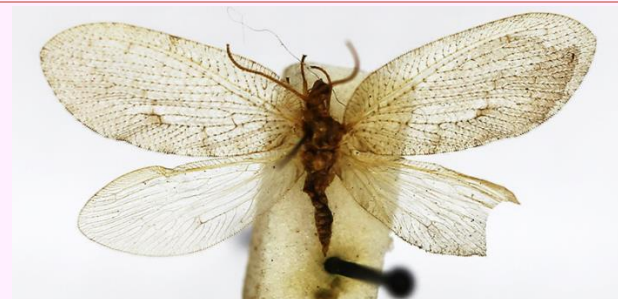
ED.2.18.03.16.59/3

Fig. 3. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1903-06-16. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROP: Roztochchia. *Locality:* Briukhovychi. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/4**
Digital record number: **SMNH005602**
Data Centre "Biodiversity of Ukraine": **ID 44409**



Brzuchowice
16.6. 1903

ED.2.18.03.16.59/4

Fig. 4. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1903-06-16. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROP: Roztochchia. *Locality:* Briukhovychi. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/5**
Digital record number: **SMNH005603**
Data Centre "Biodiversity of Ukraine": **ID 44410**



Brzuchowice
16.6. 1903

ED.2.18.03.16.59/5

Fig. 5. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1903-06-16. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Locality:* Briukhovychi. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/6**
Digital record number: **SMNH005604**
Data Centre "Biodiversity of Ukraine": **ID 44411**



Brzuchowice
16.6. 1903

ED.2.18.03.16.59/6

Fig. 6. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1903-06-16. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Locality:* Briukhovychi. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/7**
Digital record number: **SMNH005605**
Data Centre "Biodiversity of Ukraine": **ID 44412**



Fig. 7. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-06-15. *Country:* Poland. *Municipality:* Lubaczów. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/8**
Digital record number: **SMNH005606**
Data Centre "Biodiversity of Ukraine": **ID 44413**



Fig. 8. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-06-15. *Country:* Poland. *Municipality:* Lubaczów. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/9**
Digital record number: **SMNH005607**
Data Centre "Biodiversity of Ukraine": **ID 44414**



Briukhovi

ED.2.18.03.16.59/9

Fig. 9. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Locality:* Briukhovychi. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius concinnus* Stephens, 1836**

Inventory number: **ED.2.18.03.16.59/10**
Digital record number: **SMNH005608**
Data Centre "Biodiversity of Ukraine": **ID 44415**



the specimen was lost

Lubaczów
1836

ED.2.18.03.16.59/10

Fig. 10. Specimen of *Wesmaelius concinnus* Stephens, 1836 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-06-17. *Country:* Poland. *Municipality:* Lubaczów. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius nervosus* Fabricius, 1793**

Inventory number: **ED.2.18.03.16.62/1**
Digital record number: **SMNH005593**
Data Centre "Biodiversity of Ukraine": **ID 44398**



Fig. 11. Specimen of *Wesmaelius nervosus* Fabricius, 1793 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-05-00. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius nervosus* Fabricius, 1793**

Inventory number: **ED.2.18.03.16.62/2**
Digital record number: **SMNH005594**
Data Centre "Biodiversity of Ukraine": **ID 44399**

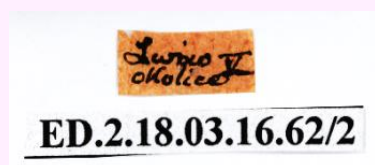


Fig. 12. Specimen of *Wesmaelius nervosus* Fabricius, 1793 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-05-00. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius nervosus* Fabricius, 1793**

Inventory number: **ED.2.18.03.16.62/3**
Digital record number: **SMNH005595**
Data Centre "Biodiversity of Ukraine": **ID 44400**



ED.2.18.03.16.62/3

Fig. 13. Specimen of *Wesmaelius nervosus* Fabricius, 1793 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *Country:* Ukraine. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius nervosus* Fabricius, 1793**

Inventory number: **ED.2.18.03.16.62/4**
Digital record number: **SMNH005596**
Data Centre "Biodiversity of Ukraine": **ID 44401**



Worokhta.
Okolice.
3. 8. 1908.

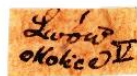
ED.2.18.03.16.62/4

Fig. 14. Specimen of *Wesmaelius nervosus* Fabricius, 1793 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1908-08-03. *Country:* Ukraine. *StateProvince:* Ivano-Frankivska. *District:* Nadvirnianskyi. *Municipality:* Vorokhta. *Reserve:* NNP Carpathian. *Georegion:* UC: P1Chr: Chornohora massif. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius nervosus* Fabricius, 1793**

Inventory number: **ED.2.18.03.16.62/5**
Digital record number: **SMNH005597**
Data Centre "Biodiversity of Ukraine": **ID 44402**



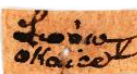
ED.2.18.03.16.62/5

Fig. 15. Specimen of *Wesmaelius nervosus* Fabricius, 1793 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-05-00. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius nervosus* Fabricius, 1793**

Inventory number: **ED.2.18.03.16.62/6**
Digital record number: **SMNH005598**
Data Centre "Biodiversity of Ukraine": **ID 44403**



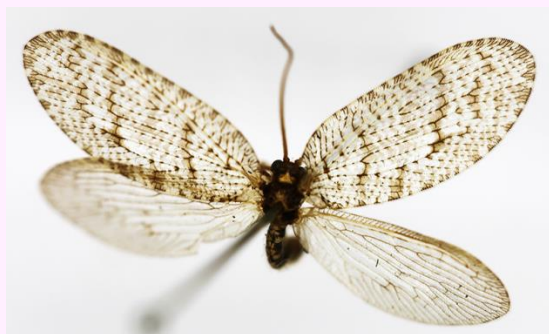
ED.2.18.03.16.62/6

Fig. 16. Specimen of *Wesmaelius nervosus* Fabricius, 1793 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-05-00. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/1**
Digital record number: **SMNH005609**
Data Centre "Biodiversity of Ukraine": **ID 44451**



Widha park.
5.6.1904.

ED.2.18.03.16.63/1

Fig. 17. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1904-06-05. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Roztochchia. *Locality:* Vulka locality. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/2**
Digital record number: **SMNH005610**
Data Centre "Biodiversity of Ukraine": **ID 44452**



9.6.1904 stryjskic
Lwów Park

na madyriani

ED.2.18.03.16.63/2

Fig. 18. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1904-06-09. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Reserve:* LAL Stryjskyi park. *Georegion:* FZB: ROp: Roztochchia. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/3**
Digital record number: **SMNH005611**
Data Centre "Biodiversity of Ukraine": **ID 44453**

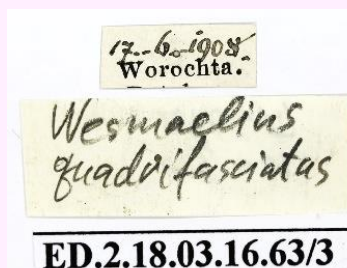


Fig. 19. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1908-06-17. *Country:* Ukraine. *StateProvince:* Ivano-Frankivska. *District:* Nadvirnianskyi. *Municipality:* Vorokhta. *Reserve:* NNP Carpathian. *Georegion:* UC: PIChr: Chornohora massif. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/4**
Digital record number: **SMNH005612**
Data Centre "Biodiversity of Ukraine": **ID 44454**



Fig. 20. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1905-07-02. *Country:* Ukraine. *StateProvince:* Ivano-Frankivska. *District:* Nadvirnianskyi. *Municipality:* Yablunytzia. *Reserve:* NNP Carpathian. *Georegion:* UC: PIChr: Chornohora massif. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/5**
Digital record number: **SMNH005613**
Data Centre "Biodiversity of Ukraine": **ID 44455**



Fig. 21. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1905-07-07. *Country:* Poland. *Municipality:* Jasioń. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/6**
Digital record number: **SMNH005614**
Data Centre "Biodiversity of Ukraine": **ID 44456**



Fig. 22. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 0000-07-18. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Rava-Ruska. *Georegion:* FZB: ROp: Roztochchia. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/7**
Digital record number: **SMNH005615**
Data Centre "Biodiversity of Ukraine": **ID 44457**



Tatarów.
(Błotek.)
29.-6.-1905. Ds.

ED.2.18.03.16.63/7

Fig. 23. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1905-06-29. *Country:* Ukraine. *StateProvince:* Ivano-Frankivska. *District:* Nadvirnianskyi. *Municipality:* Tatariv. *Georegion:* UC: OCVV: Gg: Outer Gorgany range. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/8**
Digital record number: **SMNH005616**
Data Centre "Biodiversity of Ukraine": **ID 44458**



Worochta.
Okolice.
rod Rebrovachka
exam. 20/6/08

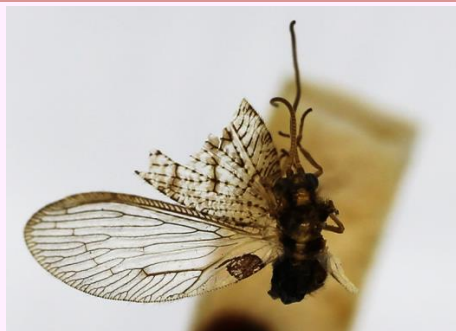
ED.2.18.03.16.63/8

Fig. 24. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1908-06-20. *Country:* Ukraine. *StateProvince:* Ivano-Frankivska. *District:* Nadvirnianskyi. *Municipality:* Vorokhta. *Reserve:* NNP Carpathian. *Georegion:* UC: PIChr: Chornohora massif. *Locality:* Rebrovachka Mt. *Leg:* Dziędzielewicz J., *Det:* Dziędzielewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/9**
Digital record number: **SMNH005617**
Data Centre "Biodiversity of Ukraine": **ID 44459**



Lwów,
Park stryjski,
9.-6.-1905. Dz.

ED.2.18.03.16.63/9

Fig. 25. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1905-06-09. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Reserve:* LAL Stryjskyi park. *Georegion:* FZB: ROP: Roztochchia. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/10**
Digital record number: **SMNH005618**
Data Centre "Biodiversity of Ukraine": **ID 44460**



Chomiak
Błotek.
12.VI.1909.

ED.2.18.03.16.63/10

Fig. 26. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1909-06-12. *Country:* Ukraine. *StateProvince:* Ivano-Frankivska. *District:* Nadvirnianskyi. *Municipality:* Tatariv. *Reserve:* NNP Carpathian. *Georegion:* UC: OCVV: Gg: Outer Gorgany range. *Locality:* Khomiak Mt. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/11**
Digital record number: **SMNH005619**
Data Centre "Biodiversity of Ukraine": **ID 44461**



Worochta.
Okolice.
17-6-1908.

ED.2.18.03.16.63/11

Fig. 27. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1908-06-17. *Country:* Ukraine. *StateProvince:* Ivano-Frankivska. *District:* Nadvirnianskyi. *Municipality:* Vorokhta. *Reserve:* NNP Carpathian. *Georegion:* UC: PIChr: Chornohora massif. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/12**
Digital record number: **SMNH005620**
Data Centre "Biodiversity of Ukraine": **ID 44462**



Babia Góra.
Zawoja.
27. VII. 1909.

ED.2.18.03.16.63/12

Fig. 28. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1909-07-27. *Country:* Poland. *Municipality:* Zawoja. *Locality:* Babia Góra Mt. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

***Wesmaelius quadrifasciatus* Reuter, 1894**

Inventory number: **ED.2.18.03.16.63/13**
Digital record number: **SMNH005621**
Data Centre "Biodiversity of Ukraine": **ID 44463**



Zubra
21.V.1910.

ED.2.18.03.16.63/13

Fig. 29. Specimen of *Wesmaelius quadrifasciatus* Reuter, 1894 in the SMNH collection.

Collection Type: MuseumCollection/Specimen. *Count:* 1. *EventDate:* 1910-05-21. *Country:* Ukraine. *StateProvince:* Lvivska. *Municipality:* Lviv. *Georegion:* FZB: ROp: Opillia. *Locality:* Zubra. *Leg:* Dziędziewicz J., *Det:* Dziędziewicz J. *InstitutionCode:* SMNH.

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