



CATALOGUE

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

Herbarium, acarological &
entomological collections

(scientific-reference edition)



Catalogue of the digitized collections, deposited in the State Museum of Natural History, National Academy of Sciences of Ukraine. Issue 2. Herbarium, acarological & entomological collections. – Lviv, 2024. – 128 p. [Electronic publication]

Abstract. The next issue of the catalogue, which includes moss and fern samples, specimens of oribatid mites and beetles from the collection of the State Museum of Natural History, National Academy of Sciences of Ukraine, has been published. In this catalogue we present precise information about 15 species and 202 digitized specimens of biota groups mentioned above. Two species, *Palamocladium euchloron* (Müll. Hal.) Wijk et Margad. (Hypnales, Brachytheciaceae) and *Carabus estreicheri* Fischer von Waldheim, 1822 (Coleoptera, Carabidae), have been included into the Red Data Book of Ukraine.

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

Key words: biodiversity, fauna, flora, mosses, ferns, oribatid mites, ground beetles, insects, 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
CrMts – Crimean Mountains
CrSL – Crimean Steppe land
CsCp – Ciscarpathians' Upland
DCBU – Data Centre “Biodiversity of Ukraine”
DnDpL – Dnister-Dnipro land
DntsL – Donets land
EBs – Eastern Beskydy
Event Date format – yyyy-mm-dd,
FSZ – Forest-Steppe zone,
FZB – Temperate broad-leaf forest zone,
Gg – Gorgany massif
IZU – I. I. Schmalhausen Institute of Zoology of National Academy of Sciences of Ukraine
LDpL – Dnipro left bank forest-steppe land
LN – Landmark of Nature
MrCh – Marmarosh-Chyvchyny region
NASU – National Academy of Sciences of Ukraine
NNP – National Nature Park
NR – Nature Reserve
OCVV – Outercarpathians and Vododilno-Verkhovynska oblasti
PBC – Pokutsko-Bukovynski Carpathians
PdDpL - Podillia-Dnipro forest-steppe land
PIChr – Polonynsko-Chornohirska region
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
TrCp – Trancarpathians Lowland
UC – Ukrainian Carpathians
Vlk - Vulkanichno-intermountaindells oblast

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 researches in biology and ecology of insects, as they will contribute to 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 19th century were granted the status of National heritage. Over the past eight 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 70 thousand records, over 32 thousand of which are from the collection of the SMNH. Now above 16000 items (4000 mosses and vascular plants samples and 12000 insect and mammal specimens) are digitized and the process of digitization is ongoing.

This catalogue contains data on 14 species: mosses (14 samples), ferns (26), oribatid mites (16 specimens), beetles (ground beetles – 132 spec.) from the collection of the SMNH. In total 188 items. Two species *Palamocladium euchloron* (Müll. Hal.) Wijk et Margad. (Hypnales, Brachytheciaceae) and *Carabus streicheri* Fischer von Waldheim, 1822 (Coleoptera, Carabidae), have been included into 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, in addition to ensuring additional preservation of the scientific and historical natural heritage, 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 *ASPLENIUM SEPTENTRIONALE* (L.) (TRACHEOPHYTA,
POLYPODIOPSIDA, ASPLENIACEAE) SPECIMENS DEPOSITED IN THE
STATE MUSEUM OF NATURAL HISTORY NASU, LVIV, UKRAINE**

Oleksandr KUZYARIN

State Museum of Natural History NASU, Lviv, e-mail: kuzyarin@gmail.com

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The detailed analysis of origin of the *Asplenium septentrionale* (L.) Hoffm. specimens, deposited in the main collection of vascular plants' herbarium in the SMNH NASU, has been carried out.

Asplenium septentrionale (L.) Hoffm. – northern spleenwort – is a perennial fern of the genus *Asplenium*, the family Aspleniaceae, a Holarctic petrophilous species with a disjunctive Eurasian-North American natural range (Europe, the Caucasus, Central Asia, Western Siberia, Mongolia, Himalayas, Far East, North America). Its localities are confined to petrophilic communities, mainly on granite outcrops devoid of calcium (rock crevices, rocky slopes, landslides, boulders, shady spruce forests, etc.), and the species rises to the upper mountain belt.

In Ukraine, this species occurs within the Carpathians, the Crimea, Steppe (Prydniprovskya and Azov uplands, Donetsk Ridge) and Forest-Steppe (Volynska and Prydniprovskya uplands) zones, Polissya (occasionally in Volynske and Zhytomyrske Polissya) (Безсмертна, Перегрим, Вашека, 2011, Вашека, Безсмертна, 2012).

Asplenium septentrionale (L.) Hoffm. has been included into the official lists of regionally rare plants in many regions of Ukraine (Dnipropetrovska, Donetska, Zhytomyrska, Zaporizka, Ivano-Frankivska, Kyivska, Kirovohradska, Luhanska, Rivnenska, Chernivetska provinces and the Autonomous Republic of the Crimea).

The main collection of the Herbarium of Vascular Plants in the SMNH NASU contains 26 herbarium specimens of *A. septentrionale* (L.) Hoffm., all being included into the electronic database "Biodiversity of Ukraine" (<http://dc.smnh.org/>) and digitized.

The geography of the herbarium collections of *A. septentrionale* (L.) Hoffm. (Fig. 1), besides the modern territory of Ukraine (Dnipropetrovska (1901), Donetska (1939, 1947, 1965, 1966), Zhytomyrska (1949), Zakarpatska (1948, 1957, 1961, 1969), Ivano-Frankivska (1967), Kirovohradska (1900), Rivnenska (1948) provinces and the Autonomous Republic of the Crimea (1900)), has been represented also by the territories of Poland (1905), Czech Republic, Slovakia, Austria, Romania (1905), Finland (1898) and the Russian Federation (North Ossetia, 1898). In descending order of the number of collected herbarium specimens with the participation of 16 collectors, the following series has been formed: Slobodian M. (3 herbarium specimens), Vainagii I. (2), Voloshchak E. (2), Hanieshyn S. (2), Lazebna A. (2), Malynovskiy K. (2), Zinger M. (2), Berko J. (1), Golde K. (1), Kotov M, Karnaukh E. (1), Markovych V. (1), Melnychuk V. (1), Rheman A. (1), Stoyko S. (1), Finn V. (1), Khrzhyzhanovskiy V., Lazebna A. (1), Shokhin V. (1). The chronology of the herbarium collections covers the period from 1898 to 1969. The earliest specimens (second half of the

19th century) were collected in Finland (V. Shokhin collection) and North Ossetia (V. Markovych collection).



Fig. 1. Findings of *Asplenium septentrionale* (L.) Hoffm. in the collection of SMNH (according to <http://dc.smnh.org/>).

The 2023 issue of the catalogue of the digitized collections, deposited in the State Museum of Natural History, National Academy of Sciences of Ukraine contains an article about the *Asplenium viride* Huds. (Aspleniaceae, Polypodiopsida, Polypodiophyta) (Kuzyarin, 2023).

This article was written with the support of the National Research Foundation of Ukraine, call 2022.01 «Science for the Recovery of Ukraine in the War and Post-War Periods» the project 2022.01/0013 «Digitization of natural history collections damaged as a result of hostilities and related factors: development of protocols and implementation on the basis of the State Museum of Natural History of the National Academy of Sciences of Ukraine». The contents of this article do not necessarily reflect the views of the National Research Foundation of Ukraine and are the sole responsibility of the State Museum of Natural History, NAS of Ukraine.

Asplenium septentrionale (L.) Hoffm.



Inventory number: 140
Digital record number: SMNH001627
Data Centre "Biodiversity of Ukraine": ID 23391

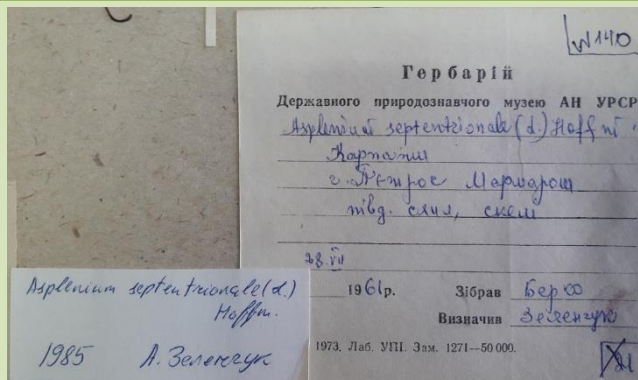


Fig. 2. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1961-07-28; Country: Ukraine; State Province: Zakarpatska; District: Rakhivskyi; Reserve: BR Carpathian: Chornohora protected massif; Georegion: UC: P1Chr – Polonynsko-Chornohirska region; Locality: Petros Mt.; Habitat: rocks; Leg: Berko J.; Det: Zelenchuk A.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 141
Digital record number: SMNH001628
Data Centre "Biodiversity of Ukraine": ID 23392

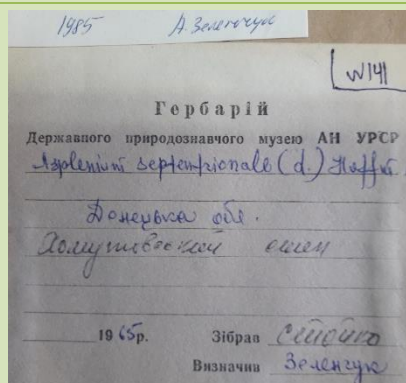
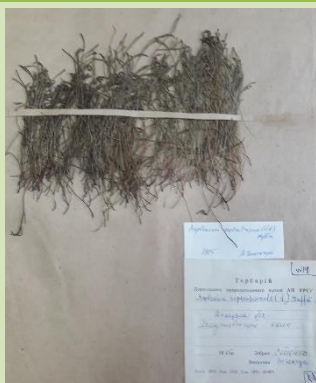


Fig. 3. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1965-00-00; Country: Ukraine; State Province: Donetska; District: Boikivskyi; Municipality: Samsonove; Reserve: NR Ukrainyskyi stepovy: Khomutovskiy steppe; Georegion: SZ: SZN: DntsL: Donets Upland; Locality: Khomutovskiy steppe; Habitat: rocks; Leg: Stoiko S.M.; Det: Zelenchuk A.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.

Inventory number: **123**
 Digital record number: **SMNH001629**
 Data Centre "Biodiversity of Ukraine": **ID 23393**

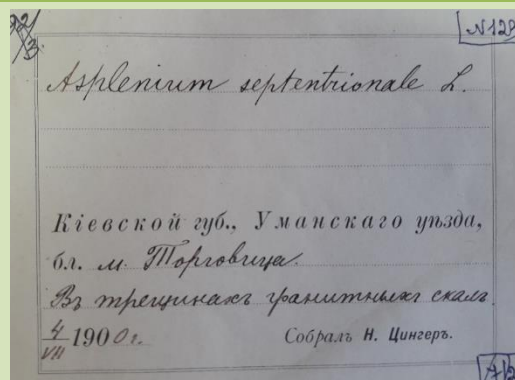


Fig. 4. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1900-07-04; *Country:* Ukraine; *State Province:* Kirovohradska; *District:* Novoarkhanhelskyi; *Municipality:* Torhovytsia; *Georegion:* - ; *Habitat:* rocks; *Leg:* Tsynher M.; *Det:* Tsynher M.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.

Inventory number: **124**
 Digital record number: **SMNH001630**
 Data Centre "Biodiversity of Ukraine": **ID 23394**

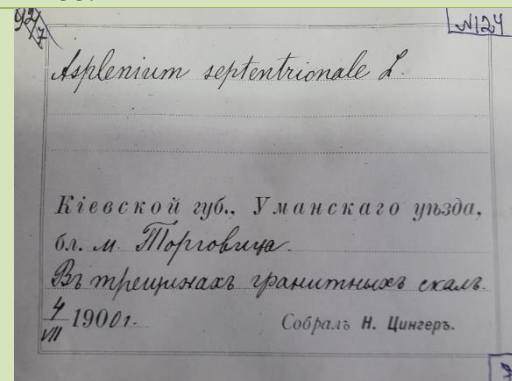


Fig. 5. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1900-07-04; *Country:* Ukraine; *State Province:* Kirovohradska; *District:* Novoarkhanhelskyi; *Municipality:* Torhovytsia; *Georegion:* - ; *Habitat:* rocks; *Leg:* Tsynher M.; *Det:* Tsynher M.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 139
Digital record number: SMNH001631
Data Centre "Biodiversity of Ukraine": ID 23395

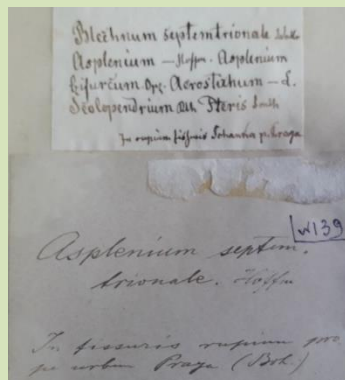


Fig. 6. Specimen of *Asplenium septentrionale*(L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 0000-00-00; *Country:* Czech Republic; *Municipality:* Praha; *Habitat:* rocks; *Leg:* - ; *Det:* - ; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 125
Digital record number: SMNH001632
Data Centre "Biodiversity of Ukraine": ID 23396

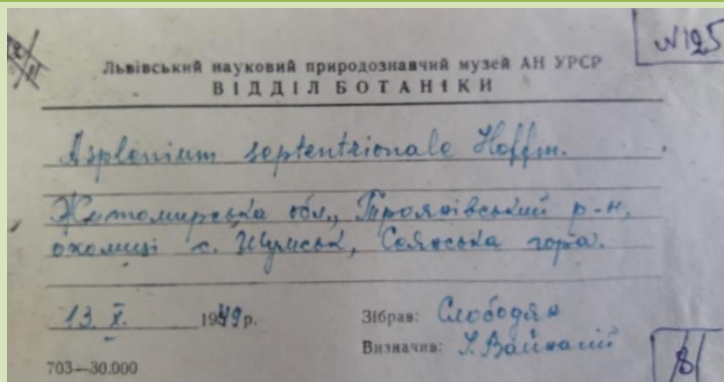


Fig. 7. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1949-10-13; *Country:* Ukraine; *State Province:* Zhytomyrska; *District:* Zhytomyrskyi; *Municipality:* Shumsk; *Locality:* Soianska hora Mt.; *Habitat:* rocks; *Leg:* Slobodian M.; *Det:* Vainahii I.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 126
Digital record number: SMNH001633
Data Centre "Biodiversity of Ukraine": ID 23397

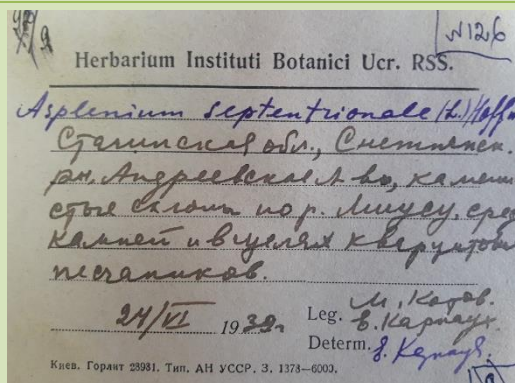


Fig. 8. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1939-06-24; Country: Ukraine; State Province: Donetska; District: Volnovaskyi; Municipality: Andriivka; Georegion: SZ: SZN: DntsL: Donets Upland; Habitat: rocks; Leg: Kotov M. & Karnaukh E.; Det: Karnaukh E.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 138
Digital record number: SMNH001634
Data Centre "Biodiversity of Ukraine": ID 23502

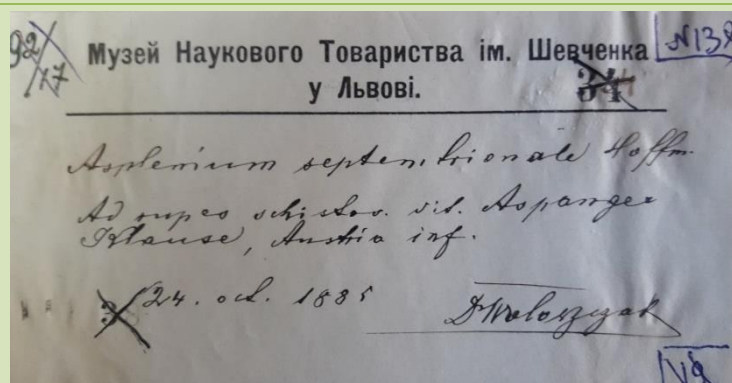


Fig. 9. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1885-10-24; Country: Austria; Municipality: Aspang; Leg: Woloszczak E.; Det: Woloszczak E.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: **134**
Digital record number: **SMNH001635**
Data Centre "Biodiversity of Ukraine": **ID 23503**

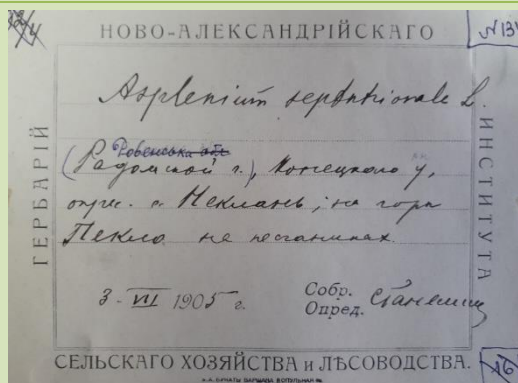


Fig. 10. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1905-07-03; *Country:* Poland; *Municipality:* Niekłań Wielki; *Locality:* Reserwat Skalki Piekło pod Niekłaniem; *Habitat:* rocks; *Leg:* Ganieshyn S.; *Det:* Ganieshyn S.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: **135**
Digital record number: **SMNH001636**
Data Centre "Biodiversity of Ukraine": **ID 23517**

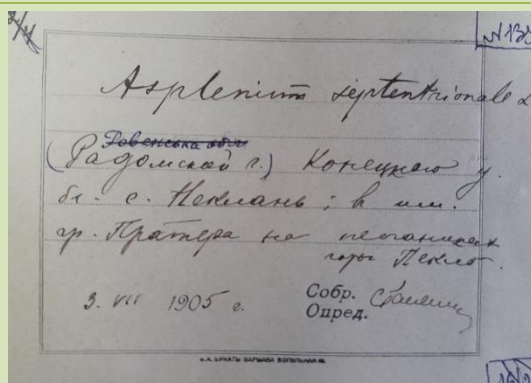
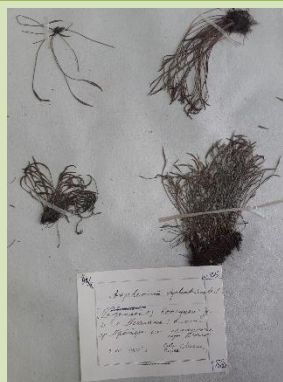


Fig. 11. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1905-07-03; *Country:* Poland; *Municipality:* Niekłań Wielki; *Locality:* Reserwat Skalki Piekło pod Niekłaniem; *Habitat:* rocks; *Leg:* Ganieshyn S.; *Det:* Ganieshyn S.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 136
Digital record number: SMNH001637
Data Centre "Biodiversity of Ukraine": ID 23523

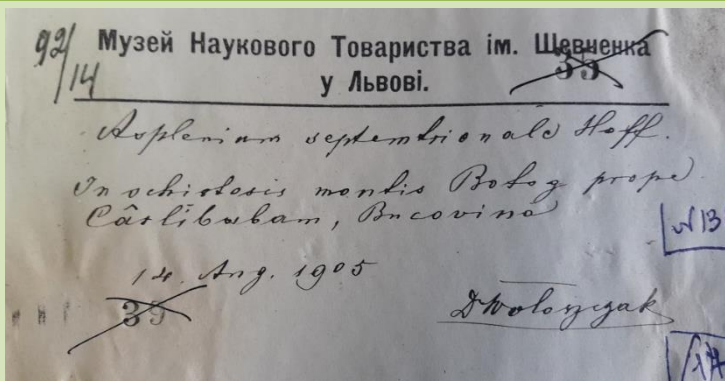


Fig. 12. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1905-08-14; Country: Romania; Municipality: Cărlibaba; Locality: Bofog Mt.; Habitat: rocks; Leg: Woloszczak E.; Det: Woloszczak E.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 137
Digital record number: SMNH001638
Data Centre "Biodiversity of Ukraine": ID 23528

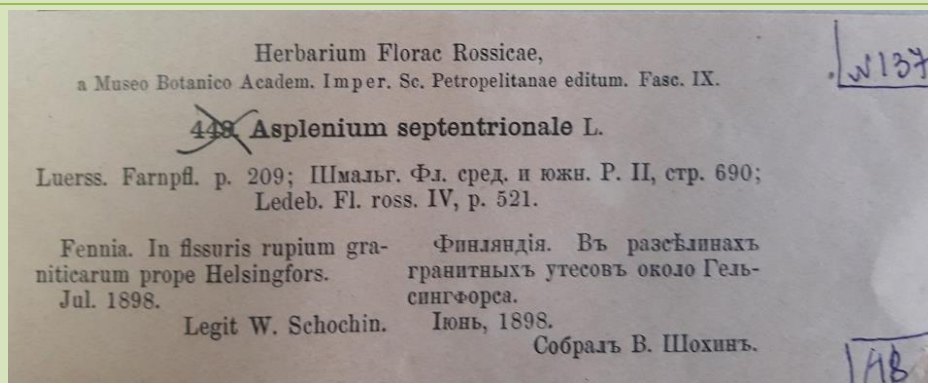


Fig. 13. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1898-06-00; Country: Finland; Municipality: Helsinki, Helsingfors; Habitat: rocks; Leg: Schochin W.; Det: Schochin W.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 131
Digital record number: SMNH001639
Data Centre "Biodiversity of Ukraine": ID 23536

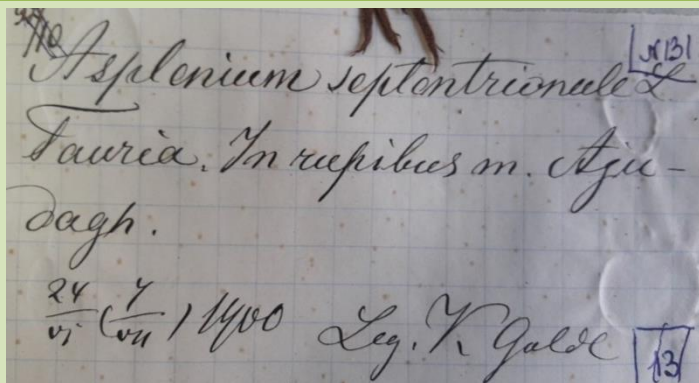
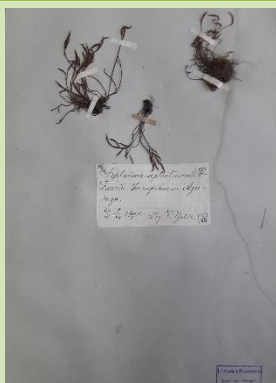


Fig. 14. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1900-06-24; Country: Ukraine; State Province: Crimea AR; Georegion: CrMts: Crimean Mts; Locality: Ayu-Dag Mt.; Habitat: rocks; Leg: Golde K.; Det: Golde K.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 132
Digital record number: SMNH001640
Data Centre "Biodiversity of Ukraine": ID 23537

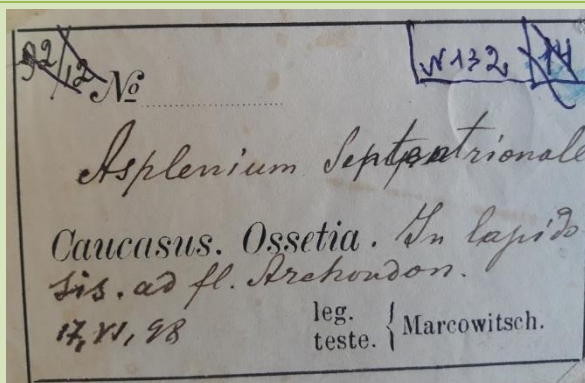


Fig. 15. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1898-06-17; Country: Russia; State Province: Republic of North Ossetia-Alania; Locality: Archondon River; Habitat: rocks; Leg: Marcowitsch; Det: Marcowitsch; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 133
Digital record number: SMNH001641
Data Centre "Biodiversity of Ukraine": ID 23538

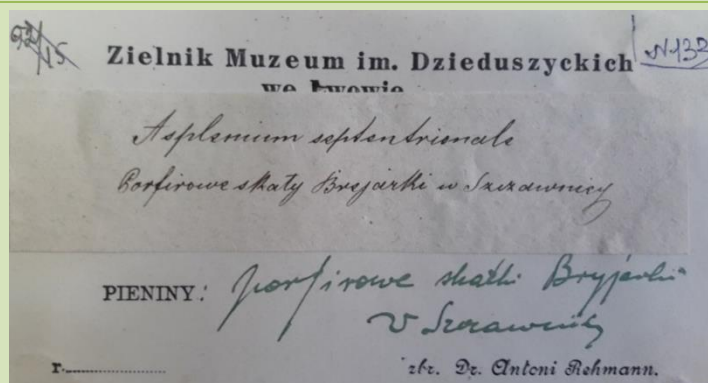


Fig. 16. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 0000-00-00; Country: Poland; Municipality: Szczawnica; Habitat: rocks; Leg: Rehman A.; Det: Rehman A.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 127
Digital record number: SMNH001642
Data Centre "Biodiversity of Ukraine": ID 23539

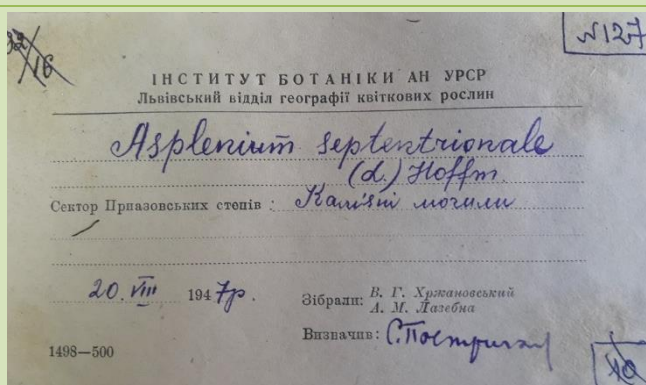


Fig. 17. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1947-08-20; Country: Ukraine; State Province: Donetska; District: Nikolskyi; Municipality: Nazariivka; Reserve: NR Ukrainskyi stepovy: Kamiani Mohyly; Georegion: SZ: SZN: DntsL: Donets Upland; Locality: Kamiani Mohyly; Habitat: rocks; Leg: Khrzhyzhanovskiy V.G., Lazebna A.M.; Det: Postryhan S.A.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: **128**
Digital record number: **SMNH001643**
Data Centre "Biodiversity of Ukraine": **ID 23540**



Львівський державний науково-природознавчий музей
Міністерства культури
ВІДДІЛ БОТАНІКИ

Назва *Asplenium septentrionale* (L.) Hoffm.

Місце збору *Донецька обл., Бао-
дарський р-н, Задовігук-
Кам'яні могили*

Зібрав *Лазебна*

Дата збору *28.VI* 19 *66* р. Визначив *Завода І.*

Львів, друк. № 14. 1263—5000. 1965 р.

Fig. 18. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1966-06-28;
Country: Ukraine; *State Province:* Donetsk; *District:* Nikolskyi; *Municipality:*
Nazariivka; *Reserve:* NR Ukrainyskyi stepovy; *Kamiani Mohyly;* *Georegion:* SZ: SZN:
DntsL: Donets Upland; *Locality:* Kamiani Mohyly; *Habitat:* rocks; *Leg:* Lazebna A.; *Det:*
Zavada I.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: **129**
Digital record number: **SMNH001644**
Data Centre "Biodiversity of Ukraine": **ID 23541**



Львівський державний науково-природознавчий музей
Міністерства культури
ВІДДІЛ БОТАНІКИ

Назва *Asplenium septentrionale* (L.) Hoffm.

Місце збору *Донецька обл., Бао-
дарський р-н, Задовігук-
Кам'яні могили*

Зібрав *Лазебна*

Дата збору *28.VI* 19 *66* р. Визначив *Завода І.*

Львів, друк. № 14. 1263—5000. 1965 р.

Fig. 19. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1966-06-28;
Country: Ukraine; *State Province:* Donetsk; *District:* Nikolskyi; *Municipality:*
Nazariivka; *Reserve:* NR Ukrainyskyi stepovy; *Kamiani Mohyly;* *Georegion:* SZ: SZN:
DntsL: Donets Upland; *Locality:* Kamiani Mohyly; *Habitat:* rocks; *Leg:* Lazebna A.; *Det:*
Zavada I.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: **130**
Digital record number: **SMNH001645**
Data Centre "Biodiversity of Ukraine": **ID 23542**

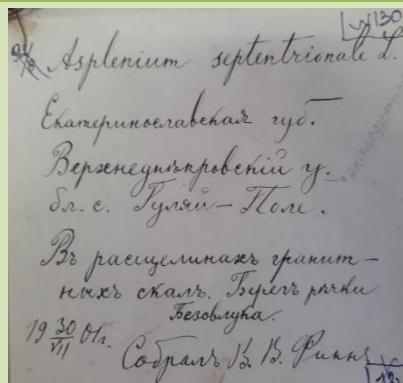
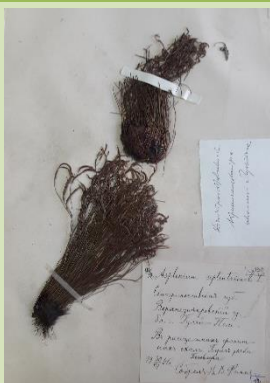


Fig. 20. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1901-07-30; *Country:* Ukraine; *State Province:* Dnipropetrovska; *District:* Krynychanskyi; *Municipality:* Huliaipole; *Georegion:* SZ: SZN: DnDpL: South Dnipro Upland; *Locality:* rock bank of the Bazavluk River; *Habitat:* rocks; *Leg:* Finn V.; *Det:* Finn V.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: **116**
Digital record number: **SMNH001646**
Data Centre "Biodiversity of Ukraine": **ID 23543**

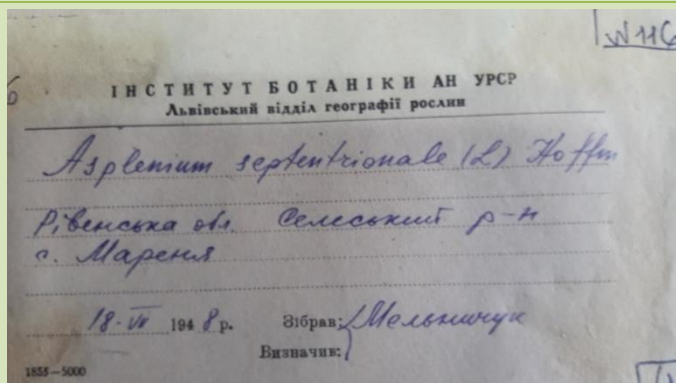


Fig. 21. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1948-07-18; *Country:* Ukraine; *State Province:* Rivnenska; *District:* Bereznivskyi; *Municipality:* Marynyn; *Habitat:* rocks; *Leg:* Melnychuk V.; *Det:* Melnychuk V.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 118
Digital record number: SMNH001647
Data Centre "Biodiversity of Ukraine": ID 23544

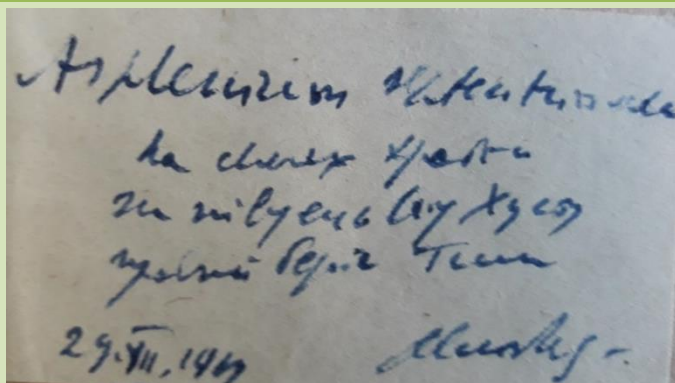
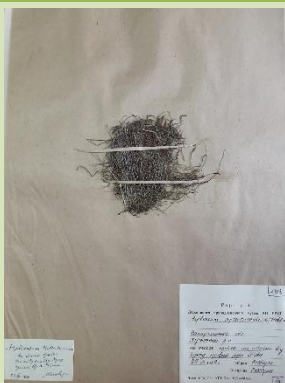


Fig. 22. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1969-07-29; *Country:* Ukraine; *State Province:* Zakarpatska; *District:* Khustskyi; *Municipality:* Khust; *Georegion:* UC: Vlk - Vulkanichno-intermountaindells oblast; *Locality:* the right bank of the Tysa River; *Habitat:* rocks; *Leg:* Slobodian M.; *Det:* Slobodian M.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 119
Digital record number: SMNH001648
Data Centre "Biodiversity of Ukraine": ID 23545

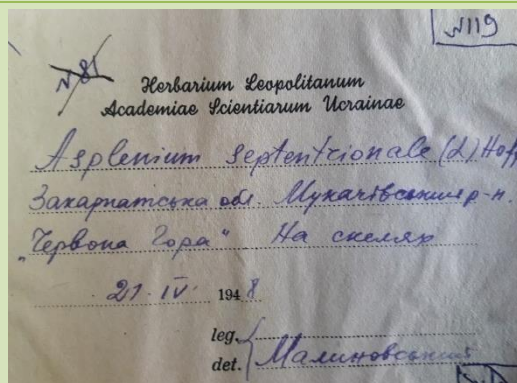


Fig. 23. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1948-04-21; *Country:* Ukraine; *State Province:* Zakarpatska; *District:* Mukachivskyi; *Municipality:* Mukachevo; *Georegion:* UC: Vlk - Vulkanichno-intermountaindells oblast; *Locality:* Chervona hora Mt.; *Habitat:* rocks; *Leg:* Malynovskiy K.; *Det:* Malynovskiy K.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 120
Digital record number: SMNH001649
Data Centre "Biodiversity of Ukraine": ID 23546

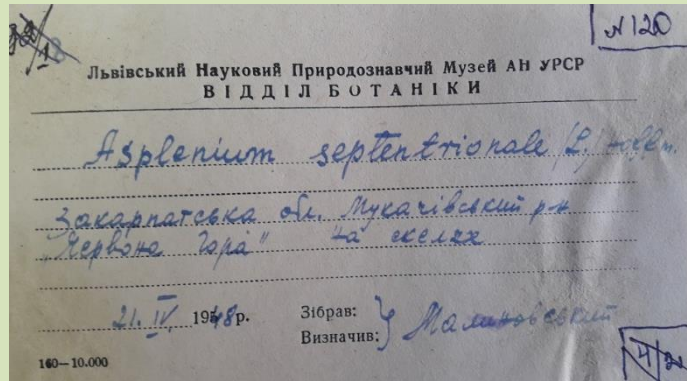


Fig. 24. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1948-04-21; Country: Ukraine; State Province: Zakarpatska; District: Mukachivskiy; Municipality: Mukachevo; Georegion: UC: Vlk - Vulkanichno-intermountain dells oblast; Locality: Chervona hora Mt.; Habitat: rocks; Leg: Malynovskyi K.; Det: Malynovskyi K.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 122
Digital record number: SMNH001650
Data Centre "Biodiversity of Ukraine": ID 23547

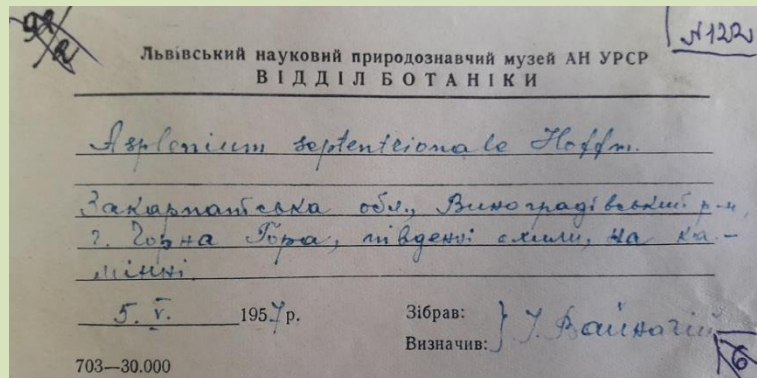


Fig. 25. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; Count: 1; Event Date: 1957-05-03; Country: Ukraine; State Province: Zakarpatska; District: Vynohradivskiy; Municipality: Diula; Reserve: BR Carpathian: Yulivska Hora; Georegion: UC: TrCp - Trancarpathians Lowland; Locality: Yulivska Hora Mt.; Habitat: rocks; Leg: Vainahii I.; Det: Vainahii I.; Institution Code: SMNH LWS; Citation: - ; Remarks: - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 121
Digital record number: SMNH001651
Data Centre "Biodiversity of Ukraine": ID 23548

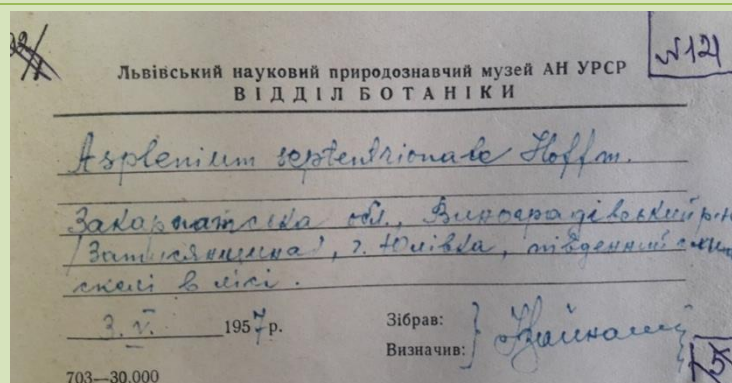


Fig. 26. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1957-05-03; *Country:* Ukraine; *State Province:* Zakarpatska; *District:* Vynohradivskyi; *Municipality:* Diula; *Reserve:* BR Carpathian: Yulivska Hora; *Georegion:* UC: TrCp - Trancarpathians Lowland; *Locality:* Yulivska Hora Mt.; *Habitat:* rocks; *Leg:* Vainahii I.; *Det:* Vainahii I.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

Asplenium septentrionale (L.) Hoffm.



Inventory number: 117
Digital record number: SMNH001652
Data Centre "Biodiversity of Ukraine": ID 23549

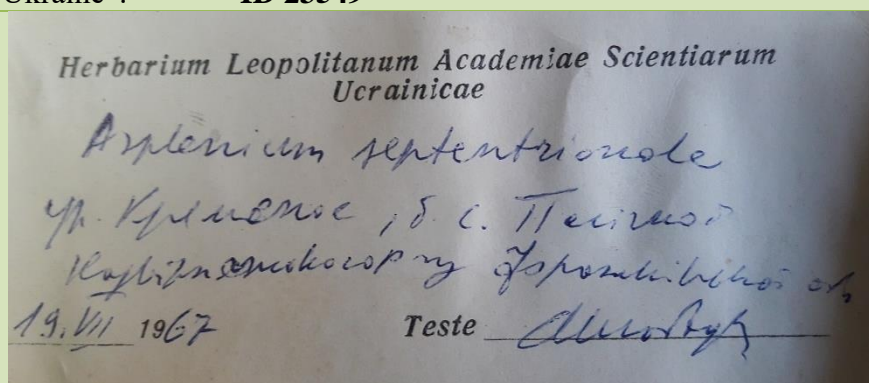
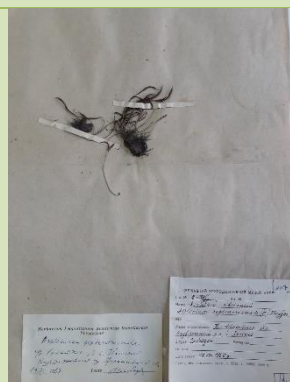


Fig. 27. Specimen of *Asplenium septentrionale* (L.) Hoffm. in the SMNH collection.

Collection Type: MuseumCollection/Specimen; *Count:* 1; *Event Date:* 1967-07-19; *Country:* Ukraine; *State Province:* Ivano-Frankivska; *District:* Nadvirnianskyi; *Municipality:* Pasichna; *Georegion:* UC: OCVV: Gg - Gorgany massif; *Habitat:* rocks; *Leg:* Slobodian M.; *Det:* Slobodian M.; *Institution Code:* SMNH LWS; *Citation:* - ; *Remarks:* - .

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Вашека О.В., Безсмертна О.О. Атлас папоротей флори України. К.: КНУ, 2012. 160 с.

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**Національна академія наук України
Державний природознавчий музей**

Науково-довідкове видання
(електронне видання)

**КАТАЛОГ ОЦИФРОВАНИХ КОЛЕКЦІЙ ДЕРЖАВНОГО
ПРИРОДОЗНАВЧОГО МУЗЕЮ, НАЦІОНАЛЬНОЇ АКАДЕМІЇ НАУК
УКРАЇНИ**

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Гуштан Габріел Гаврилович, Гуштан Катерина Валеріївна, Кузярін Олександр Тимофійович, Питель-Гута Софія Романівна, Різун Володимир Богданович, Савицька Анастасія Григорівна



Адреса редакції:
79008 Львів, вул. Театральна, 18
Державний природознавчий музей НАН України
Телефон / факс +38032-235-69-17

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