

A survey of the fauna of harvestmen (Opiliones, Arachnida) of the National Park Durmitor (Montenegro, Yugoslavia)

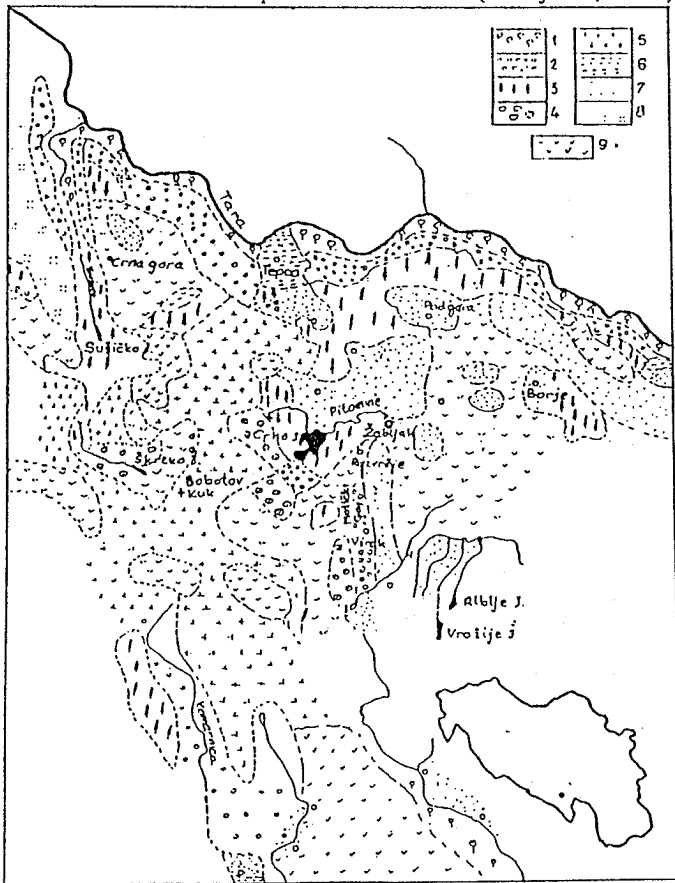
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The National Park Durmitor was established in 1952, and occupies cca 30 thousand hectares. The Park consists of : the mass of Durmitor, some parts of Jezero and Pivska valley, the spring of Bukovica and the upper parts of the valleys Grabovica and Komarnica; the canyon of Susica, the canyon of the Tara from Crna voda to the mouth of Susica and canyons of its tributaries - the Vaskovska river and the Draga river.

The Durmitor fauna of harvestmen has not been well explored yet. Except for some general data on the Montenegrin fauna of harvestmen (Hadzi, 1973), there are no major papers on this fauna. Research was made from 1984 to 1988 under the auspices of the Montenegro Academy of Science and Art. The material was hand-collected from 29 localities situated on various heights above the sea-level, ranging from 630 to 2530 m. Total of 642 specimens were collected and classed into 21 species.

Zonation of Durmitor plant communities (Milojevic, 1951)



1. Oak zone 2. Beech - tree zone 3. Conifer zone 4. *Pinus mugo* 5. Rocky substrates 6.

Montane continental communities 7. Montane species 8. Forest communities 9. Pastures

Research results
(altitude, locality, species)

630m KANJON TARE, SPLAVISTE

Amilenus aurantiacus (Simon, 1881)

700m TEPCA

Phalangium opilio Linnaeus, 1761
Opilio parietinus (De Geer, 1778)
Lacinius horridus (Panzer, 1794)
Amilenus aurantiacus (Simon, 1881)
Astrobonus laevipes (Canestrini, 1872)

800-1000m KANJON KOMARNICE

Opilio parietinus (De Geer, 1778)
Lacinius horridus (Panzer, 1794)
Astrobonus dinaricus (Roewer, 1915)

900m KANJON DOBRILOVINE, CRNE PODE

Phalangium opilio Linnaeus, 1761
Lacinius horridus (Panzer, 1794)
Amilenus aurantiacus (Simon, 1881)

1100m POCIVALA

Phalangium opilio Linnaeus, 1761
Opilio dinaricus Silhavy, 1938
Lacinius dentiger (C.L. Koch, 1848)
Mitopus morio (Fabricius, 1799)
Amilenus aurantiacus (Simon, 1881)

1140m SUSICKO JEZERO

Histicostoma dentipalpe (Ausserer, 1867)
Phalangium opilio Linnaeus, 1761
Opilio parietinus (De Geer, 1778)
Amilenus aurantiacus (Simon, 1881)

800-1140m KANJON SUSICE

Histicostoma dentipalpe (Ausserer, 1867)
Dicranolasma scabrum (Herbst, 1799)
Trogulus tingiformis C.L. Koch, 1848
Phalangium opilio Linnaeus, 1761
Opilio parietinus (De Geer, 1778)
Opilio saxatilis C.L. Koch, 1839
Opilio dinaricus Silhavy, 1938
Lophopilio palpinalis (Herbst, 1799)
Lacinius horridus (Panzer, 1794)
Lacinius dentiger (C.L. Koch, 1848)
Lacinius ephippiatus (C.L. Koch, 1835)
Mitopus morio (Fabricius, 1799)
Amilenus aurantiacus (Simon, 1881)

1350m ALUGE

Phalangium opilio Linnaeus, 1761
Opilio saxatilis C.L. Koch, 1839
Lacinius horridus (Panzer, 1794)
Amilenus aurantiacus (Simon, 1881)

1409m RIBLJE JEZERO

Phalangium opilio Linnaeus, 1761

1416m CRNOJEZERO

Phalangium opilio Linnaeus, 1761
Opilio parietinus (De Geer, 1778)
Opilio dinaricus Silhavy, 1938

1422-1495m MLINSKI POTOK

Phalangium opilio Linnaeus, 1761
Platybunus bucephalus (C.L. Koch, 1835)
Platybunus pinetorum (C.L. Koch, 1839)
Lacinius ephippiatus (C.L. Koch, 1835)

1450m ZABLJAK

Phalangium opilio Linnaeus, 1761
Opilio parietinus (De Geer, 1778)
Opilio dinaricus Silhavy, 1938
Lacinius horridus (Panzer, 1794)
Lacinius dentiger (C.L. Koch, 1848)
Lacinius ephippiatus (C.L. Koch, 1835)
Mitopus morio (Fabricius, 1799)
Amilenus aurantiacus (Simon, 1881)

1480m VODNO

Phalangium opilio Linnaeus, 1761
Lacinius horridus (Panzer, 1794)
Amilenus aurantiacus (Simon, 1881)

1489m BARNO JEZERO

Phalangium opilio Linnaeus, 1761
Opilio parietinus (De Geer, 1778)
Opilio dinaricus Silhavy, 1938
Lacinius horridus (Panzer, 1794)

1520m ZMIJNJE JEZERO

Phalangium opilio Linnaeus, 1761
Opilio parietinus (De Geer, 1778)
Platybunus bucephalus (C.L. Koch, 1835)
Platybunus pinetorum (C.L. Koch, 1839)
Lophopilio palpinalis (Herbst, 1799)

VUCJA BARA

Opilio parietinus (De Geer, 1778)
Platybunus bucephalus (C.L. Koch, 1835)
Mitopus morio (Fabricius, 1799)

1530m PITOMINE

Phalangium opilio Linnaeus, 1761
Opilio saxatilis C.L. Koch, 1839
Platybunus bucephalus (C.L. Koch, 1835)
Lacinius horridus (Panzer, 1794)
Lacinius ephippiatus (C.L. Koch, 1835)

1600m JATARE, BOSACA

Phalangium opilio Linnaeus, 1761
Zacheus crista (Brulle, 1832)
Mitopus morio (Fabricius, 1799)

VODENA PECINA

Paranemastoma bicuspidatum (C.L. Koch, 1835)
Lacinius ephippiatus (C.L. Koch, 1835)
Mitopus morio (Fabricius, 1799)

1680m SKRCKO JEZERO

Opilio parietinus (De Geer, 1778)
Platybunus bucephalus (C.L. Koch, 1835)
Oligolophus tridens (C.L. Koch, 1836)

GOVEDJIDO

Phalangium opilio Linnaeus, 1761
Zacheus crista (Brulle, 1832)

1791m JABLAN JEZERO

Phalangium opilio Linnaeus, 1761
Platybunus bucephalus (C.L. Koch, 1835)
Platybunus pinetorum (C.L. Koch, 1839)
Lacinius horridus (Panzer, 1794)
Mitopus morio (Fabricius, 1799)

1870m DUSKO VALJE

Opilio parietinus (De Geer, 1778)

1880m KATUN LOKVICE

Platybunus bucephalus (C.L. Koch, 1835)

2075m SAMAR

Platybunus bucephalus (C.L. Koch, 1835)

2080m VALOVITOJEZERO

Opilio parietinus (De Geer, 1778)

2160m LEDENA PECINA

Egaenus convexus (C.L. Koch, 1835)

2313m SAVIN KUK

Zacheus crista (Brulle, 1832)

2530m BOBOTOVKUK

Platybunus bucephalus (C.L. Koch, 1835)

Twelve out of the total number of species collected in the National Park Durmitor, according to the Catalogus faunae Jugoslaviae (Hadzi, 1973), are new for the fauna of Montenegro. They are:

Paranemastoma bicuspidatum (C.L. Koch, 1835)

Histicostoma dentipalpe (Ausserer, 1867)

Dicranolasma scabrum (Herbst, 1799)

Platybunus bucephalus (C.L. Koch, 1835)

Lophopilio palpinalis (Herbst, 1799)

Zacheus crista (Brulle, 1832)

Egaenus convexus (C.L. Koch, 1835)

Lacinius horridus (Panzer, 1794)

Lacinius ephippiatus (C.L. Koch, 1835)

Amilenus aurantiacus (Simon, 1881)

Astrobus laevipes (Canestrini, 1872)

The *Trogulus tingiformis* species (C.L. Koch, 1848) is new for the fauna of Montenegro, but it is not new for the fauna of Yugoslavia (Mucalica, 1988).

Because of further research, the list of the fauna of harvestmen contained in this paper, certainly much richer, is not complete. A complete survey of the fauna will be printed in one of the special publications of the Montenegro Academy - The Fauna of Durmitor.

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