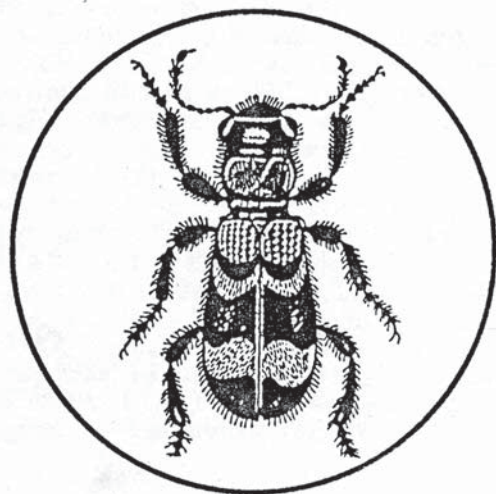


Mitov

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ВТОРА НАЦИОНАЛНА НАУЧНА КОНФЕРЕНЦИЯ ПО ЕНТОМОЛОГИЯ

OPILIONES (ARACHNIDA)
FROM THE KINDO PENINSULA IN RUSSIA

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In 1989 I was able to visit the White Sea Biological Station at Moscow State University (WSBS) with a group of students from the Sofia University. The station is situated on the Kindo Peninsula, 2 km Northwards from the Arctic Circle (on the Karelia White Sea coast) — Fig. 1. The Kindo Peninsula is 7 km long and at 115 m altitude. In this region, in winter the temperature rarely goes up to -30°C and in July the average temperature is about $+19^{\circ}\text{C}$ (Pertsov, 1961).

Vegetation: Pinus sylvestris, Betula pendula, Picea abies, Sorbus aucuparia, Populus tremula, Betula nana, Rubus chamaemorus, Oxycoccus palustris, Vaccinium uliginosum, V. vitis-idaea, Cladonia sp. div. can be seen in the taiga. Plantago maritima, Glaux maritima, Pulmonaria maritima, etc. can be seen along the coast.

The material consisting of Opiliones comprising 60♂♂, 37♀♀, 41 juv. specimens has been collected mainly in the Kindo Peninsula and only a small part of it in the region of the town of Louhi. Found out were one Siberian — Euphalangium nordenskiöldi (L. Koch); one Holarctic — Mitopus morio (Fabricius) and two European species — Lophopilio palpalis (Herbst) and Rilaena triangularis (Herbst).

1) Euphalangium nordenskiöldi (L. Koch)

The nearest region from which the species has been reported is Kandalaksha (Starega, 1978).

Material collected: 1♂, 4♀♀, 4 juv., Louhi, under stones and logs, 21. 07. 1989; 1♂, 2 juv., in the WSBS region, 2 m altitude, under stones, 21. 07. 1989; 1♂, 2♀♀, in a forest, 2 m altitude, under stones and logs, 21. 07. 1989; 2♂♂, 5 juv., in the region of the Eremeev Lakes, at 90 m altitude, under stones and logs, 23. 07. 1989; 2♀♀, 2 juv., in the WSBS region, 0-2 m altitude, 24. 07. 1989; 4 juv., in the "Biofilters" region, 0-50 m altitude, under stones, 24. 07. 1989; 1♂, in the WSBS region, 0-2 m altitude, 25. 07. 1989, Leg. Y. Golemeeva; 1♂, 2 juv., have the same data, 26. 07. 1989; 2♂♂, in the WSBS region, 0-2 m altitude, 27. 07. 1989.



Fig. 1. Location of the White Sea Biological Station at Moscow State University (WSBS)

During the day *Euphalangium nordenskiöldi* is hidden under stones and logs but it is active during the night from 1 a.m. to 4 a.m.

2) *Mitopus morio* (Fabricius)

The nearest reported region is Karelia (Starega, 1978).

Material collected: 12♂♂, 2♀♀, Louhi, under stones and logs, 21. 07. 1989; 1♂, 1♀ in the WSBS region, under log and stones, 5 m altitude, 21. 07. 1989; 6♂♂, 3♀♀, in the WSBS region, 5 m altitude in a forest, under stones and logs, 21. 07. 1989; 15♂♂, 8♀♀ (3♀♀ with well developed eggs), in the region of the Eremeev Lakes, at 90 m altitude, under stones and logs, 23. 07. 1989; 1♀ (with well developed eggs), Kastyan Island, Leg. E. Vasileva, 23. 07. 1989; 1♂, 8♀♀ (6♀♀ with well developed eggs), 1 juv., in the WSBS region, 0–5 m altitude in a forest, under stones and logs, 23. 07. 1989; 1♀, in the WSBS region, 0 m altitude, 24. 07. 1989; 8♂♂, 3♀♀ (1♀ with well developed eggs), in the “Biofilters” region, 0–50 m altitude, under stones, 24. 07. 1989; 1♂, from the coast of the Kislaya Bay, under stones and logs, 25. 07. 1989; 1♀ (with well developed eggs), in the WSBS region, 90–100 m altitude, 25. 07. 1989; 3♂♂, 3♀♀ (with well developed eggs), in the WSBS region, under stones, 26. 07. 1989.

From the collected 79 specimens of *Mitopus morio* 41,7% (22♂♂ and 11♀♀) turned out to be vermined with *Gregarinia*.

3) *Lophopilio palpinalis* (Herbst)

The nearest region from which the species has been reported is Karelia (Chevrizov, 1979).

Material collected: 1♀, 4 juv., in the WSBS region at 5 m altitude, in a forest, under stones and logs on 21. 07. 1989; 3 juv., have the same data, 23. 07. 1989; 7 juv., in the region of the Eremeev Lakes, at 90 m altitude, 23. 07. 1989; 7 juv., in the “Biofilters” region along the coast, under stones, 0 m altitude, 24. 07. 1989.

From the collected 22 specimens of *Lophopilio palpinalis* 38% (1♀ and 7 juv.) turned out to be vermined with *Gregarinia*.

4) *Rilaena triangularis* (Herbst)

The nearest reported region is the Imandra Lake (Starega, 1978).

Material collected: 1♂ from the coast in the WSBS region, 0 m altitude, 21. 07. 1989; 2♂♂, 1♀ (with well developed eggs) in the WSBS region, 5 m altitude in a forest, under stones and logs, 21. 07. 1989; 1♂, 1♀ (with well developed eggs) from the coast of the Kislaya Bay, under stones and logs, 25. 07. 1989.

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REFERENCES

- Chevrizov, B. P. 1979. A brief key of the harvest-spiders (Opiliones) in the European territory of the USSR. — In: The Fauna and Ecology of Arachnida, 85, Leningrad, 4–27.
- Pertsov, N. A. 1961. The White Sea Biological Station of the Moscow State University. — In: Biology of the White Sea. Reports of the White Sea Biological Station of the State University of Moscow, 1, 7–21.
- Starega, W. 1978. Katalog der Weberknechte (Opiliones) der Sowjet-Union.-Fragmenta faunistica, Warszawa, 23, 10, 197–241.

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OPILIONES (ARACHNIDA) ОТ ПОЛУОСТРОВ КИНДО – РУСИЯ

ВТОРА НАЦИОНАЛНА НАУЧНА КОНФЕРЕНЦИЯ ПО ЕНТОМОЛОГИЯ

Пламен Генков Митов

(Резюме)

Съобщават се данни за разпространението, биологията, денонощната активност и процента на опаразитяване с грегариини (*Gregarina*) на видовете *Euphalangium nordenskiöldi* (L. Koch), *Mitopus morio* (Fabricius), *Lophopilio palpinalis* (Herbst) и *Rilaena triangularis* (Herbst).