

Strandtmann 1971 THE EUPODOID MITES OF ALASKA 13(1)-75

species list

**Eupodes alaskanensis Strandtmann, 1971**

Holotype F (BISHOP 9342), Cape Beaufort, Alaska, 12.VII.1968, R. W. & M. R. Strandtmann. Berlesed from moss and prostrate birch.

others: All specimens were collected from tundra samples. Fairbanks, 2FF, 22.VI.1968 ; Anaktuvik Pass, 2 Ny I, 3 Ny II, 17.VI.1968; Umiat, 1 F, 30.VI.1967; Cape Beaufort, 3 F (including the holotype), 1 Ny, 12.VII.1968; Wainwright, 1 Ny I, 1 Ny III, 1.VII.1968.

**Protereunetes boeneri Sig Thor**

DISTRIBUTION: About 50 specimens including all life stages collected mostly at Barrow from tundra samples and from the nests, both old and new, of the brown Lemming, *Lemmus trimucronatus*. Other collection sites include Anaktuvik Pass, 4 FF; and Wainwright, 1 M, 4 FF, 3 Nys. All collections were made during June and July, 1967 and 1968.

**Cocceupodes breweri Strandtmann, 1971**

Holotype F (BISHOP 9343), Anaktuvik Pass, Alaska, 17.VI.1968, Kay and Don Pittard. Berlesed from tundra samples.

others; Described from 40 specimens, including 30 FF, 6 Ny II and 4 Ny I. Widespread in northern Alaska. Collection sites include Fairbanks, Anaktuvik Pass, Barrow, Wainwright, Cape Beaufort, and Cape Thompson. All specimens were collected from tundra samples via Berlese funnels during the months of June and July.

**Cocceupodes shepardi Strandtmann, 1971**

Holotype M (BISHOP 9344), Cape Beaufort, Alaska, 17.VII.1968, tundra (moss and prostrate birch), R. W. & M. R. Strandtmann.

(known only from type locality)

**Penthalodes ovalis (Duges, 1834)**

Described from 15 FF, 1 M and 1 Ny III. All specimens were collected from tundra samples. Anaktuvik Pass, 16.VI.1968; Cape Thompson, 8.VII.1968 ; Cape Beaufort, 14.VII.1968 ; Barrow, 15.VII.1967; Barter Island, 17.VI.1967. Found throughout northern Alaska, from the Brooks Range northward. Probably circumpolar.

**Coccorhagidia sateri Strandtmann, 1971**

Holotype F (BISHOP 9345), Barrow, Alaska, 14.VI.1968, from tundra.

DISTRIBUTION: Barrow, 6 FF, 2 MM, 6 Ny II, 4 Ny I; Umiat, 1 F; Cape Thompson, 1 Ny III. All specimens were berlesed from tundra samples, and all were collected during June and July of 1967 and 1968.

**Coccorhagidia capitata Strandtmann, 1971**

Holotype F (BISHOP 9346), Anaktuvik Pass, Alaska, in the Brooks Range, 16.VI.1968, Kay & Don Pittard.

DISTRIBUTION : Described from only 2 specimens, the holotype F and a tritonymph.

Ny III taken on the north coast at Cape Beaufort, 12.VII.1968, from grass, moss and willow at edge of bluff facing ocean. Distinct on basis of solenidia, and capitate sensillae from which the name is derived.

**Coccorhagidia pittardi Strandmann, 1971**

Holotype F (BISHOP 9347), Anaktuvik Pass, Alaska, 17.VI.1968, Kay & Don Pittard.  
DISTRIBUTION : Apparently widely distributed in northern Alaska. Only 5 FF have been recovered but they are from widely scattered points. Anaktuvik Pass, 17.VI.1968, 2 FF ; Wainwright, Alaska, 1.VII.1968, 1 F ; Barrow, 14.VI.1968, 1 F ; Tuktoyuktuk, N. W. T., Canada, 24.VII.1968, 1 F. All specimens were berlesed from tundra samples.

**Rhagidia longisensilla Shiba, 1969**

DISTRIBUTION : 1 Ny I, 9 km (5 mi.) N of Fairbanks, 22.VI.1968 ; 1F , Umiat, Alaska, 2.VII.1967, from Astragalus plants via Berlese funnel

**Rhagidia uniseta Sig Thor, 1909**

DISTRIBUTION : 1 F with no other data than "Alaska, 1968." 1 Ny III from Barrow, Alaska, 11.VI.1968.

**Rhagidia gelida Thorell, 1871**

DISTRIBUTION: Widely distributed on the northern coast, having been collected from Cape Beaufort to Tuktoyuktuk. Total number observed, 3 FF, 10 MM, 7 Ny III. Alaska: Fairbanks, 22.VI.1968, 3 Ny III from moss and leaf litter; Cape Beaufort, 12. VII.1968, 1 M, 1 Ny III from tundra; Barrow, 15.VII.1967, 3 Ny III from tundra; Canada, Tuktoyuktuk, NWT, 25.VII.1968, 3 FF , 10 MM, 3 Ny III, from under wood and stones.

**Rhagidia whartoni Strandmann, 1971**

Holotype F (BISHOP 9348), slough on Big Minto Lake, central Alaska, 5.IX.1965, under log.

DISTRIBUTION: This species seems to be more southern in distribution. Only 1 specimen was collected N of Brooks range, slough near Big Minto Lake, Alaska, 5.IX. 1965, under logs, 6 FF (including holotype) ; Fairbanks, Alaska, 20.VII.1968, 2 Ny III, old nest of a Fox Sparrow, 22.VIII. 1968, 1 Ny III, from sample of turf, 22.VI.1968, 1 F, under sticks and rocks; Umiat, Alaska, 2.VII.1967, 1 F, grass sample.

[Canadian records to ignore: Otter Falls, Y. T., 29.VIII.1965, under logs, 5 FF , Inuvik, NWT, 31.VII.1967, 1 M under log.]

**Rhagidia shibai Strandmann, 1971**

Holotype F (BISHOP 9349), Anaktuvik Pass, 17.VI.1968, Kay & Don Pittard.

DISTRIBUTION: Although not commonly found, it apparently has a wide distribution having been collected in northern British Columbia, central Alaska, the Brooks Range, and the Arctic Coast. Description based on 5FF, 2 Ny III, 2 Ny II, and 1 Ny I. White Court, B. C. (on Alaska Highway at mile 43), 24.VII.1965, 1 F. ; Chatimka River, Alaska. 1 F , 4.IX.1965, under dead wood; Anaktuvik Pass, Alaska, 17.VI.1968, 1 F (holotype), 1 Ny III, 2 Ny II, from tundra; Cape Beaufort, Alaska, 12.VII.1968, 1 F, 1 Ny I, tundra; Barrow, Alaska, 1 Ny III, 10.VI.1967, wet mosses.

**Rhagidia hilli Strandtmann, 1971**

Holotype F. (BISHOP 9350), 8 km (5 mi) N of Fairbanks, Alaska, 22.VI.1968, berlesed from moss samples.

DISTRIBUTION: 8km (5 mi) N. of Fairbanks, Alaska; wooded hillside (birch-aspen forest), Steele Creek Road, under rocks and logs, and in moss and lichens, 22.VI.1968, 3FF,2Ny III,1NyII,2.VII.1968,2Nyl;16km (10mi) N of Fairbanks, in lichen, 31.VIII.1965, 1 F. ; Anaktuvik Pass, 18.VI.1968, 1 F; Tuktoyuktuk, N.W.T., 24.VII.1967, 1 Ny III.

**Rhagidia mariehammerae Strandtmann, 1971**

Holotype F (BISHOP 9351), Cape Beaufort, Alaska, 12.VII.1968, R. W. & M. R. Strandtmann. Berlesed from moss and lichens.

DISTRIBUTION : So far, recovered only from the northwest coast of Alaska. Cape Beaufort, Alaska, 1 M, 2 FF, 12.VII.1968, grass, moss, willow from edge of bluff facing the Arctic Ocean (1 F ) , tundra, moss, lichens and small orange toadstool (1 M, 1 F ) Cape Thompson, Alaska, 6.VII.1968, wet moss near pond (1 Ny III).

Disposition of type material. Holotypes and some paratypes of the new species are in the type collection of the Bernice P . Bishop Museum, Honolulu, Hawaii. Paratypes have been sent also to the U. S. National Museum, Washington, D. C.