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## REPORT ON THE COLEOPTERA COLLECTED BY DR. VICTOR B. SCHEFFER ON THE ALEUTIAN ISLANDS IN 1937

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The present paper is a report on the Coleoptera collected by Dr. Victor B. Scheffer of the United States Biological Survey in connection with a Biological Survey expedition to the Aleutian Islands, Alaska, in 1937. The number of specimens is given in parentheses after the date of capture following the name of each island. The previous Aleutian Island distribution of each species is indicated. A star in front of a species shows a westward extension of its previously recorded Aleutian Island distribution and a double star indicates its addition to the Aleutian Island list. Of the 27 species listed, eight have not apparently been recorded previously from the Aleutian Islands and eleven have their distribution extended westward by the present records. The 27 species constitute about one-fourth or more of the total recorded Aleutian Island beetle fauna.

I am greatly indebted to the United States Biological Survey for permission to study this interesting material.

### CARABIDÆ

*Scaphinotus (Brennus) marginatus* Fisch. Sanak, Aug. 27 (1); Unalaska, July 8, Aug. 6 (4). Previously recorded from Akutan, Unalaska, and Atka.

\**Nebria metallica* Fisch. Amchitka, July 19 (3). Previously recorded from Akutan, Unalaska, and Atka.

\**Nebria gregaria* Fisch. Amlia, Aug. 12 (2); Semisopochnoi, July 22 (2); Kiska, June 5, 21 (10); Little Kiska, June 22 (16). Previously reported from Unalaska.

\**Pterostichus (Cryobius) ? empetricola* Dej. Amlia, Aug. 12 (1); Amchitka, July 20 (2). Previously recorded from Unalaska and Atka.

*Pterostichus (Cryobius) ? ventricosus* Dej. Unalaska, July 8 (1). Previously recorded from Unalaska.

\**Pterostichus (Bothriopterus) adstrictus* Esch. Agattu, June 12 (1). Previously recorded from Unalaska and Atka.

*Calathus micropterus* Duft. (*ingratus* Dej.). Unalaska July 14 (2). Previously recorded from Unalaska. Comparisons I have made indicate the identity of the Nearctic *ingratus* with the Palæarctic *micropterus*, giving the species a nearly circum-polar distribution.

*Pristodactyla advena* LeC. var. *lenis* Mann. Amlia, Aug. 12 (1). Previously recorded from Unalaska and Atka.

#### DYTISCIDÆ

\**Hydroporus nigellus* Mann. Kiska, June 5 (17); Agattu, June 12 (14); Attu, June 10 (5). Previously recorded by Fall (Rev. N. Am. Hydroporus 1923, p. 83) from Unalaska and Atka. Two specimens from Kiska have the elytra glabrous and somewhat paler and represent what is probably a mutant form similar to that indicated below for *H. griseostriatus* DeG.

\*\**Hydroporus tristis* Payk. Unalaska, July 10 (6). Not previously recorded from closer than Sitka.

\**Hydroporus (Potamonectes) griseostriatus* DeG. Sanak, Aug. 28 (17); Unalaska, July 10 (4); Agattu, June 12 (1). Previously recorded from Unalaska. A single specimen from Sanak belongs to the glabrous variety *mathiasi* Hatch (Bull. Brook. Ent. Soc., XXVIII, 1933, p. 22) described from Washington.

*Agabus irregularis* Mann. Unalaska, July 8 (3). Previously recorded from Unalaska as *hypomelas* Mann. (cf. Leech, Can. Ent., LXIX, 1937, p. 149).

\*\**Agabus infuscatus* Aube. Tanaga, Aug. 6 (6). Previously recorded from the Alaska Peninsula.

*Ilybius 4-maculatus* Aube. Unalaska, July 10 (6). Previously recorded from Unalaska and Atka.

\**Colymbetes dolobratus* Payk. Unalaska, July 10 (2); Kiska, June 5 (1); Agattu, June 12 (12); Attu, June 10 (6). Previously recorded from Unalaska and Atka. Undoubtedly the same species as that reported under this name from south central Alaska by Hamilton (Trans. Am. Ent. Soc., XXI, 1894, pp. 14,



359) and Van Dyke (Nat. Geog. Soc. Contrib. Tech. Pap. II, 1924, p. 14). I am unable to distinguish the present series from *sculptilis* Harr. from central North America, the characters previously cited by me (Hatch, Bull. Brook. Ent. Soc., XXIII, 1928, p. 325) not being valid. The pronotal and elytral sculpture of the two sexes in the present series is nearly equal, that of the pronotum being fine and more or less discontinuous except in the male and female from Unalaska, where it is deep and in part more or less reticulate.

\*\**Dytiscus (Macrodytes) circumcinctus* Ahr. Sanak, Aug. 28 (1). Also a single female from Cordova on the mainland.

#### GYRINIDÆ

\*\**Gyrinus opacus* Sahlb. Sanak, Aug. 20 (5); Attu, June 10 (13). A circumpolar species recorded from the Alaska Peninsula.

#### HYDROPHILIDÆ

\*\**Helophorus* ? *angustulus* Mann. Unalaska, July 8 (1). The alternate elytral intervals are elevated and wider than the others, the striae deeply impressed with the intervals between the punctures well impressed; pronotum with anterior angles narrowly rounded, the side margins in front of the hind angles feebly obliquely sinuate.

#### SILPHIDÆ

\**Lyrosoma opacum* Mann. Gareloi, July 23 (6); Amchitka, July 20 (3); Little Kiska, July 22 (5). Previously known from Unalaska, Bogoslof, and Atka. Outside the Aleutian Islands it is known from Afognak, St. George, St. Paul, and Behring Islands and from Kamchatka, where, according to Van Dyke, "it lives in the rotting kelp and is at times completely submerged by the tides."

\*\**Necrophorus (Necroptor) investigator* Zett. subsp. *maritimus* Guer. Sanak, Aug. 29 (1). The single specimen at hand belongs to the ab. *massetti* Hatch (Journal N. Y. Ent. Soc., XXXV, 1927, p. 358) described from the Queen Charlotte Islands.

## CATOPIDÆ

\*\**Catops (Sciodrepa) basilaris* Say. Gareloi, July 24 (16)  
Previously known from the Alaskan mainland.

STAPHYLINIDÆ<sup>1</sup>

*Creophilus maxillosus* L. Attu, June 7 (7), on carrion. Previously recorded from Unalaska and Atka. These specimens belong to the typical form of the species which is not recorded from North America outside of Alaska and Greenland. They are distinguished from the subsp. *villosus* Grav. by the fact that the pubescence of the posterior angles of the head, the anterior angles of the pronotum, and the ventral surface of the metathorax, especially the side-pieces, is black instead of grayish. On the other hand, only the last two sternites of the abdomen are conspicuously darker in *maxillosus*, whereas the last three sternites are more or less evidently set with darker pubescence in *villosus*. *Villosus* is represented in my collection from Ketchikan, Alaska, and the Queen Charlotte Islands, British Columbia, and from Washington, Idaho, California, Utah, Kansas, Oklahoma, Louisiana, Iowa, Michigan, Ontario, and New York. It is recorded in the literature from as distant points as Labrador, Newfoundland, Florida, Cuba, Mexico, and Guatemala.

Hamilton (Trans. Am. Ent. Soc., XXI, 1894, pp. 19, 367) regards the Aleutian and south central Alaskan form of *maxillosus* as var. *bicinctus* Mann., which Leng (Cat. Col. Am. N. of Mex. 1920, p. 109), following the synonymy proposed by Bernhauer and Schubert (Col. Cat., 57, 1914, p. 398), calls var. *arcticus* Er. But Ganglbauer (Kaf. Mitteleur. II, 1895, pp. 415-416), who is apparently the last author to have made a survey of the situation, regards both *arcticus* and *bicinctus* as synonyms of *maxillosus*, nor can I detect any satisfactory basis for distinguishing the Attu Island specimens from my short series from central Europe.

In my series of *villosus* from Soap Lake, Washington, are five specimens in which the pubescence of the apical portion of the elytra and the hind margin of some of the abdominal ter-

<sup>1</sup> Single specimens of each of two species of *Atheta* from Gareloi and Semisopochnoi Islands remain unidentified.

gites is golden brown rather than black, a condition which appears to duplicate that described for the var. *ciliaris* Steph. in the Palaearctic region and which may well be due to a homologous mutation in the two regions. In the more strongly marked members of the series the pale transverse fascia on the elytra is almost completely obliterated by the golden pubescence, though it does begin to appear in other specimens. Since it is not desirable to apply the same varietal name in two distinct subspecies, I designate this form ab. *ciliaroides* nov. (type and four paratypes).

\*\**Baryodma* (*Eucharina*) *sulcicollis* Mann. Semisopchnoi, July 22 (3). Recorded from Kodiak Island and southeastern Alaska.

#### EURYSTETHIDÆ

\**Eurystethus californicus* Mots. Amchitka, July 20 (1). Recorded from the "Aleutian Islands" by Van Dyke.

#### ELATERIDÆ

*Ludius lobatus* Esch.<sup>2</sup> dark phase. Unalaska, July 14 (2). Previously recorded from Unalaska.

#### SCARABAEIDÆ

*Aphodius* (*Agolinus*) *aleutus* Esch. Unalaska, July 14 (1). Previously recorded from Unalaska.

#### CURCULIONIDÆ

\**Lophalophus inquinatus* Mann. Amchitka, July 20 (8). Previously recorded from Unalaska and Atka.

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<sup>2</sup>Determined by M. C. Lane.



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