

along the distal half of the margin of the telson. In *N. americana*, the number of small spines to the interspace does not exceed three, and they are very indifferently grouped, one, two, or three between any two large spines. Moreover the antennal peduncle of *N. americana* is relatively longer, extending from one-third to one-half the length of its terminal joint beyond the second segment of the antennular peduncle; and the antennal scale is shorter and stouter, being less than ten, "about nine times as long as broad" and exceeding the antennular peduncle by less than half its length. In *N. andersoni* the antennal scale exceeds the antennular peduncle by more than half the length of the scale.

From the same station there are numerous immature individuals which have the same general appearance as the adult form described above, and similarly proportioned. The distal half of the telson, however, is more attenuate; the spines fringing the tip are subequal, while those on the lateral margins are more or less irregularly large and small, usually two or three small ones between each of two larger ones. This difference, I think, is due rather to immaturity than to a possible difference in species (cf. *Mysis oculata*, adult juvenile, G. O. Sars, l.c.).

EUPHAUSIACEA

Thysanoëssa longipes Brandt.

Hansen, Proc. U. S. Nat. Mus., 48, 87, pl. I, figs. 3a-3d, pl. II, figs. 1a-1e, 1915.

Station 57 a: Cape Smyth (point Barrow), Alaska, August 8, 1916.

Pelagic, over about 1 fathom of water.

1 ♀, 1 juv., 1 fragmentary specimen. Taken in company with *Thysanoëssa inermis*.

Thysanoëssa inermis (Krøyer)

Hansen, Proc. U. S. Nat. Mus., 48, 93, pl. II, figs. 2a-2d, 1915.

Station 29 f: 70° 13' N., 140° 50' W., April 4, 1914.

From stomach of *Phoca hispida* Schreber. Depth, about 30 fathoms.

14 (partly digested, sex ?). Taken in company with *Thysanoëssa raschii*.

Station 57 a: Cape Smyth (point Barrow), Alaska, August 8, 1916.

Pelagic, over about 1 fathom of water.

1 ♀. Taken in company with *Thysanoëssa longipes*.

Thysanoëssa raschii (M. Sars)

Hansen, Proc. U. S. Nat. Mus., 48, 96, 1915.

Station 27 n: Collinson point, Alaska, September 20, 1913.

Pelagic, over about 1 foot of water; 8 inches ice.

1 ♂. Taken in company with *Mysis oculata*.

Station 27 y¹: Lagoon at Collinson point, Alaska, October 8, 1913.

Pelagic, over 2 feet of water.

1 ♂. Taken in company with *Mysis oculata*.

Station 29 f: 70° 13' N., 140° 50' W., April 4, 1914.

From stomach of *Phoca hispida* Schreber. Depth, about 30 fathoms.

8 (partly digested, sex ?). Taken in company with *Thysanoëssa inermis*.

Station 41 u: Bernard harbour, Northwest Territories, end of August, 1915.

From stomach of *Salvelinus malma* W.

1 ♀. Taken in company with *Mysis oculata*.