

1901. *Phryxus abdominalis* RICHARDSON, Proc. U. S. Nat. Mus., XXIII, p. 577.
 1904. *Phryxus abdominalis*, RICHARDSON, Proc. U. S. Nat. Mus., XXVII, pp. 58-59.
 1905. *Phryxus abdominalis* RICHARDSON, Bull. U. S. Fish Comm., XXIV, p. 220.
 1905. *Phryxus abdominalis* RICHARDSON, Bull. 54, U. S. Nat. Mus., p. 500.
 1916. *Phryxus abdominalis* HANSEN, Danish Ingolf Exped., Crust. Malacost. 3, pt. 5, p. 207.

Not taken by the Canadian Arctic Expedition.

Localities recorded:

Europe: Kara sea, also in the straits to the Kara sea; at the west coast of Novaya Zemlia; on *Spartotocaris turgida* in the Barents sea; northeast of Spitzbergen in lat. $80^{\circ} 15' N.$, long. $33^{\circ} 10' E.$; at Spitzbergen on *S. gaimardii*, known from the whole coast of Norway from Vadsø to Christiani fjord, living on *S. gaimardii*, *S. pusiola*, *S. turgida*, *S. spinus*, *S. liljeborgii*, *P. borealis*, *P. montagui* and *P. propinquus*; at Denmark, in the Belts, in Kattegat and Skager Rak, on several species of shrimp.

Iceland: North of Iceland: Ingolf Station 127; lat. $66^{\circ} 33' N.$, long. $20^{\circ} 05' W.$, 44 fathoms, on *P. montagui*, also Ingolf Station 126, lat. $67^{\circ} 19' N.$, long. $15^{\circ} 52' W.$, 293 fathoms, on *P. borealis*, on the east coast, in Mid fjord, Seydis fjord, and Røde fjord; on the west coast in Skutils fjord, Önundar fjord, Dyre fjord and near Reykjavik; also east of Iceland at lat. $64^{\circ} 17' N.$, long. $14^{\circ} 44' W.$, 45 fathoms. Not recorded from the Faeroes; but it is known from places in the North sea and from Sussex in the eastern part of the Channel, but according to Hansen, not far from its major western area.

East Greenland: Lat. $77^{\circ} 31' N.$, long. $18^{\circ} 24' W.$, 146 fathoms; Oresund, 20-30 fathoms, hard bottom, on *S. polaris*; Vestre Havenæs 10-15 fathoms; Stormbugt 10-30 fathoms; Danmarks Havn, several catches, 3 to 15 fathoms, on *S. polaris*, *S. turgida*, *S. gaimardii*; East Greenland, without specific data, about lat. $74^{\circ} N.$; Hekla-Havn, on *S. turgida*.

North America: Grinnell land, lat. $71^{\circ} N.$, Discovery Bay, $5\frac{1}{2}$ to 25 fathoms, on *Spartotocaris polaris*; cape N., 25 fathoms, on the same host; Franklin Pierce bay, 13-15 fathoms; off Barrow land, on *S. polaris* and *S. turgida*, at two places, the most northern being in lat. $73^{\circ} 48' N.$; Davis strait, off or at West Greenland; Ingfield gulf, 25 fathoms, on *S. polaris*; cape Dudley-Digges, 17-25 fathoms, on *S. polaris* and *S. turgida*; Upernavik 10 fathoms on *S. gaimardii* and *S. turgida*; Umanak, Jacobshavn, Egedesminde, Kvanefjord, Bredefjord; Lille-Karajak fjord, lat. $69^{\circ} 54' N.$, long. $55^{\circ} 34' W.$, 50 fathoms, on *S. spinus*; lat. $69^{\circ} 29' N.$, long. $55^{\circ} 26' W.$, 116 fathoms, on *S. macilenta*; Ingolf Station 33, lat. $67^{\circ} 57' N.$, long. $55^{\circ} 30' W.$, 35 fathoms, temperature 0.6° , on six specimens of *S. spinus* and on one specimen of *Pandalus montagui*; lat. $67^{\circ} 51' N.$, long. $55^{\circ} 15' W.$, 36 fathoms, on *S. spinus*; lat. $66^{\circ} 56' N.$, long. $54^{\circ} 45' W.$, 24 fathoms, on *S. spinus*; Ikertok-fjord, 30 fathoms, on *S. spinus*; lat. $66^{\circ} 45' N.$ (?), long. $59^{\circ} 30' W.$, 35 fathoms, on *S. spinus*; lat. $66^{\circ} 32' N.$, long. $55^{\circ} 34' W.$, 100 fathoms on *S. spinus*; lat. $66^{\circ} 30' N.$, long. $54^{\circ} 50' W.$, 40 fathoms, on *P. montagui*; Ingolf Station 29, lat. $65^{\circ} 34' N.$, long. $54^{\circ} 31' W.$, 68 fathoms, temperature 0.2° on 1 specimen of *S. spinus*; Ingolf Station 34, lat. $65^{\circ} 17' N.$, long. $55^{\circ} 17' W.$, 55 fathoms, on two specimens of *S. spinus* and one of *S. polaris*; lat. $62^{\circ} 58' N.$, long. $50^{\circ} 52' W.$, about 25 fathoms on *S. turgida*.

I have examined the following material from the east coast of North America:

Cat. No. 38417, U. S. N. M., 1 specimen on *S. macilenta*, halfway from cape Mugford to Hebron, Labrador. 60 fathoms, mud and sand, August 23, 1908, Owen Bryant, collector; Cat. No. 38418, U. S. N. M., on *S. macilenta*, outside of Hebron, Labrador. 75 fathoms, mud, August 25, 1908, Owen Bryant,