

two pairs of swimming feet; at stage II, three pairs; at stage III, four pairs. One *C. finmarchicus* II was 1.52 mm. long; and one of stage IV measured 3.5 mm.

Station 43c: Dolphin and Union strait, off Staphylton bay, depth about 25 fathoms, net No. 3, ten minutes at surface, September 14, 1915. The material contained a quantity of phytoplankton and copepod pupae, the latter dominating the zooplankton. *Fritillaria* and *Pluteus* were also present. The air temperature was 23° F., and the water temperature 30.8° F.

TABLE VII (Sta. 43c).

<i>Calanus finmarchicus</i> I.....	12
<i>Pseudocalanus elongatus</i> ♀.....	12
<i>Pseudocalanus elongatus</i> ♀ juv.....	12
<i>Pseudocalanus elongatus</i> ♂ juv.....	20
<i>Eurytemora herdmanni</i> ♀.....	1
<i>Eurytemora herdmanni</i> ♂.....	5
<i>Acartia longiremis</i> ♀.....	1
<i>Acartia longiremis</i> ♂.....	16
<i>Oithona similis</i>	20
<i>Amphiascus nasutus</i> ♂.....	1
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Station 57a: Cape Smyth (point Barrow), Alaska, depth 3 fathoms, August 8, 1916; secured by the catcher:—

<i>Calanus finmarchicus</i> IV.....	1
<i>Calanus finmarchicus</i> V.....	2
<i>Calanus finmarchicus</i> ♀.....	2

2. *Calanus hyperboreus* Kröyer, 1838.

Besides the occurrences of this species noted in Tables IV, V and VI, there are several other records to be mentioned.

Station 27g1: Lagoon at Collinson point Alaska, in 1-2 feet of water, no ice, October 8, 1913, catcher. One *C. hyperboreus* V, length 5.6 mm. The lateral lobes of the last thoracic segment were triangular and bluntly pointed, so that doubt might be entertained about its identification until the fifth legs, with 17 coxal teeth, were examined. The inner and outer branches of the fifth legs were 2-jointed; the remaining natatory legs had both rami 3-jointed. The anterior antennae were 25-jointed, joints 8 and 9 being feebly separated.

Station 28b: Collinson point, Alaska, depth one fathom, ice 12 inches thick, October 14, 1913, catcher. One *C. hyperboreus* IV, length 4.7 mm. was taken. The abdomen was three-jointed; p 5 Re and Ri, one-jointed; the remaining legs had two-jointed rami. The jointing of the antennae and mouth-parts was the same as in the adult, joints 8 and 9 of the anterior antennae being imperfectly divided.

Station 28c: Same locality, ice 16 inches thick, October 21, 1913. One female of 8 mm. was taken in the catcher.

Station 29g3: 70° 20' N., 140° 30' W., depth 150 fathoms; vertical haul with net number 5 from 50 to 150 fathoms, April 6, 1914. Two mature females measuring 7.5 and 8.5 mm. in length.

Station 30a: 69° 41' N., 141° 11' W., off Demarcation point, Alaska, about 300 yards offshore, depth 3 fathoms, May 4, 1914. Six vertical hauls with net number 3, from surface to bottom, through a hole in the ice which was six feet thick. The total number of copepods preserved was 74, distributed as under.

¹ The bag of the catcher was made of bobinette, having wider meshes than any of the plankton nets