

Station 27h: Lagoon-bay at Collinson point, Alaska, 0-1 foot water, September 18, 1913; 15 specimens.

Station 27o: Collinson point, Alaska, September 20, 1913, pelagic, over 1 foot of water (9-inch ice); 1 specimen.

Station 28c: Collinson point, Alaska, October 14, 1913, 1 fathom, sandy mud with scattered algae; 35 specimens.

Station 28l: Beach at Collinson point, Alaska, June, 1914; 2 specimens.

Station 28o: Collinson point, Alaska, from stomach of *Salvelinus malma* Walb., July 8, 1914; 14 specimens.

Station 28r: Bay at Collinson point, Alaska, July 24, 1914; from stomach of *Cottus quadricornis* L. 2 fragments.

Station 37a: Bernard harbour, Northwest Territories, August 24, 1914, from stomach of *Erignathus barbatus* (Erxleben); 5 specimens.

Station 37j: Bernard harbour, Northwest Territories, September 1, 1914, pelagic, over 2 fathoms water; 1 specimen.

Station 37r, u: Bernard harbour, Northwest Territories, October 16-20, 1914, pelagic, over 1 fathom water; 6 specimens.

Station 40d: Dolphin and Union strait (Bernard harbour), Northwest Territories, June 8, 1915. Pelagic over 9 fathoms; 1 specimen.

Station 40h: Dolphin and Union strait (Bernard harbour), Northwest Territories, June 25, 1915, pelagic, over 2½ fathoms water; 5 specimens.

Station 40m: Bernard harbour, Northwest Territories, June 25, 1915, from stomach of *Xema sabini* (J. Sabine); 1 specimen.

Station 40p: Bernard harbour, Northwest Territories, July 1, 1915, pelagic, in littoral region; 20 specimens.

Station 40u: Bernard harbour, Northwest Territories, July 6-8, 1915, from stomach of *Erignathus barbatus* (Erxleben), F.; 4 specimens.

Station 48b: Banks peninsula, Bathurst inlet, Northwest Territories, May 18, 1916, from stomach of *Gadus* sp.; 10 specimens.

Station 50d: Young point, Northwest Territories (Dolphin and Union strait), July 21, 1916, among loose algae, in littoral region; 6 specimens.

Color.—Entire animal maize yellow, eyes berlin blue, legs and antennae banded with light russet-vinaceous, each of the body segments with a dark, transverse dorsal band, the last two thoracic and the abdominal segments marked on their lower portions with scarlet.

Distribution.—Arctic ocean, North Atlantic, North Pacific.

Immature species of *Gammarus* were obtained at station 40r, 41g, (both Dolphin and Union strait), and 56a (Harrison Bay, Alaska).

42. *Synurella johanseni*, new species.

Type specimen: Catalogue No. 1380; paratypes, Nos. 1381-3, Victoria Memorial Museum, Ottawa, Canada.

Station 20i: Pond in the tundra at Teller, Alaska, August 6, 1913; 21 specimens.

Station 20i: Brackish pond at Teller, Alaska, August 3, 1913; 1 specimen (juvenile).

Description.—Body rather stout, not much compressed. Head with front edge broadly rounded. Eyes rather small, irregularly oval, composed of few elements, brownish black.

Pleon segments 1 and 2 with posterior lateral corners slightly produced; segment 3, with posterior lateral corners evenly rounded or with a very slight production of the lower posterior margin. Posterior edge of pleon segment 3 with shallow notch bearing a minute seta just above the lower margin.

Antenna 1 is about half as long as the body; the joints of the peduncle becoming consecutively shorter; 1st joint much the stoutest; flagellum of about