

Localities recorded: This species has only been recorded from the northern part of the east coast of Greenland; namely, lat. $74^{\circ} 52' N.$, long. $17^{\circ} 16' W.$, 175 fathoms, many specimens (Nathorst Exp., Ohlin); lat. $72^{\circ} 53' N.$, long. $20^{\circ} 36' W.$, 96 fathoms, 3 specimens; lat. $72^{\circ} 27' N.$, long. $19^{\circ} 56' W.$, about 100 fathoms, 1 specimen; lat. $72^{\circ} 26' N.$, long. $19^{\circ} 35' W.$, 105 fathoms, 5 specimens (by the Ryder Expedition); estuary of Hurry inlet, lat. $70^{\circ} 50' N.$, 50 fathoms, 1 specimen (by the Second Andrup Expedition (Hansen)).

Genus *Astacilla* Cordiner.

Astacilla granulata (G.O. Sars).

1877. *Leachia granulata* G. O. Sars, Arch. Math. Nat., 2 p. 351, (251).
 1878. *Astacilla americana* HARGER, Amer. Journ. Sci., 3, 15, p. 374.
 1879. *Astacilla granulata* HARGER, Proc. U. S. Nat. Mus., 2, p. 161.
 1880. *Astacilla granulata* HARGER, Rept. U. S. Comm. Fish and Fisheries, Pt. 6, pp. 364-367, pls. 8, 9, figs. 48-52.
 1885. *Astacilla granulata* Sars, Norw. N. Atlantic Exp. Crust., 1, 107, pl. 9, figs. 27-35.
 1887-88. *Astacilla granulata* HANSEN, Vidensk. Meddel. Naturh. Foren. i Kjøbenhavn, pp. 189-190.
 1898. *Astacilla granulata* BENEDICT, Proc. Biol. Soc. Washington, 12, p. 50.
 1900. *Astacilla granulata* RICHARDSON, American Naturalist, 31, p. 230.
 1901. *Astacilla granulata* RICHARDSON, Proc. U. S. Nat. Mus., 23, p. 550.
 1901. *Astacilla granulata* NORMAN, Ann. Mag. Nat. Hist., 7, vol. 11, p. 118.
 1905. *Astacilla granulata* RICHARDSON, Bull. 54, U. S. Nat. Mus., p. 321.
 1916. *Astacilla granulata* HANSEN, Danish Hgolf Exped., Crust. Malacost., vol. 3, pt. 15, p. 100, pl. 15, figs. 9a-b.

Range: This species has been recorded several times well off Norway in the cold area but not far from the limit between this and the warm areas; the same is true of the several records near the Faroes. In North America it has been reported from Baffin bay, off West Greenland, lat. $72^{\circ} 41' N.$, southward to Martha's Vineyard.

North America:

Baffins Bay: off West Greenland, lat. $72^{\circ} 41' N.$, long. $59^{\circ} 50' W.$, 227 fathoms, hard mud; lat. $71^{\circ} 10' N.$, long. $58^{\circ} 56' W.$, 199 fathoms, mud; lat. $70^{\circ} 0' N.$, long. $58^{\circ} 38' W.$, 199 fathoms, mud and stones; lat. $69^{\circ} 16' N.$, long. $58^{\circ} 8' W.$, 183 fathoms, mud and stones, Georges bank, adhering to *Primmia*, 1877, 3 specimens (Harger's cotypes of *A. americana*), Cat. Nos. 25922 and 35923, U. S. N. M.; Cat. No. 34913, U. S. N. M., Banquereau, lat. $44^{\circ} 30' N.$, long. $58^{\circ} 07' W.$, 200 fathoms, December 16, 1879, Schooner *Lizzie*, 1 specimen; Cat. No. 35480, U. S. N. M., off Miquelon islands south of Newfoundland, 7 fathoms, Schooner *Allice M. Williams*, 1 specimen; Cat. No. 39408, U. S. N. M., lat. $43^{\circ} 48' N.$, long. $59^{\circ} W.$, 250 fathoms, Schooner *Grace L. Fears*, 1 specimen; Cat. No. 35176, U. S. N. M., off Martha's Vineyard, R.I., U. S. Bureau of Fisheries Steamer *Fish Hawk*, Station 1121, 610 fathoms, 1 female; Cat. No. 33478, 1 female from the same Station; Cat. No. 35477, U. S. N. M., off Martha's Vineyard, Station 1122, 351 fathoms, collected by the *Fish Hawk*, 2 specimens, male and female; Cat. No. 37994, U. S. N. M., 1 specimen, on *Crossaster papposus*, locality no. given; Cat. No. 5060, 1 specimen without locality.

Europe:

Vestfjord, North Atlantic Expedition, Station 200, lat. $71^{\circ} 25' N.$, long. $15^{\circ} 41' E.$, 620 fathoms, bottom temperature 1.0° , clay; Station 164, lat. $68^{\circ} 21' N.$, long. $40^{\circ} 10' E.$, 457 fathoms, sabulous clay; Station 124, Romsdalsfjord,