

Report of the second Norwegian arctic expedition in the "Fram" 1898—1902.

The Crane-Flies (*Tipulidae*, *Diptera*.)

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The crane-flies secured during the Second "Fram" Expedition have been sent to my for naming through the kindness of the Custodian of the Insect Collections of the Zoological Museum in Kristiania, Konservator Leif R. Natvig. The Insects collected by the Botanist of the Expedition, Mr. Herman Georg Simmons, in Greenland and Ellesmereland, have been discussed in other papers by Strand (Coleoptera, Hymenoptera and Lepidoptera) and Wahlgren (Collembola), contained in the general Reports of the Expedition. The Diptera were not considered in this series of papers. The two species of Tipulidae secured upon this notable expedition to the Arctics are discussed herewith as a slight contribution to our knowledge of a most fascinating subject. The specimens are contained in the collection of the Zoological Museum in Kristiania.

As a preliminary factor to the proper appreciation of the distributional data submitted later in the paper, the following notes on the various collecting grounds are given:

West Greenland

Godhavn, Island of Disko.

Foulke Fjord, lat. $78^{\circ} 18' N.$, Long. $72^{\circ} W.$ (Reindeer Point).

East Ellesmereland

Cape Rutherford, Hayes Sound Region, Lat. $78^{\circ} 49' N.$, Long. $75^{\circ} W.$

Rice Strait, Smith Sound, Lat. $78^{\circ} 45.7' N.$, Long. $74^{\circ} 56.5' W.$ (September 19, 1898—July 24, 1899).

South and Southwest Ellesmereland

Havnefjord, (Vinterhavnen) Lat. $76^{\circ} 29.4' N.$, Long. $84^{\circ} 3.7' W.$ (October 23, 1899—August 9, 1900)

I Gaasefjord (Goose Fjord), Lat. $76^{\circ} 48.9' N.$, Long. $88^{\circ} 39.5' W.$ (September 18, 1900—August 12, 1901)

II Gaasefjord (Goose Fjord), Lat. $76^{\circ} 39.8' N.$, Long. $88^{\circ} 38.3' W.$ (September 6, 1901—July 21, 1902).

Crane-flies secured by the Expedition

Dactylolabis rhicnoptiloides (Alexander)

- 1919 *Limnophila* (*Dactylolabis*) *rhicnoptiloides* Alexander; Report of the Canadian Arctic Expedition 1913—18, Vol. III: Insects, Part C: Diptera. Crane-flies, pp. 3c—30c, Pl. I—VI; reference p. 6c.

Ellesmereland, Havnefjord, July 20—23, 1900 (H. G. Simmons).

Four males; these specimens vary greatly in size, some being as small as the smallest individual of the type series, others being considerably larger, having a wing-length of 10 mm.

Tipula arctica Curtis

- 1831 *Tipula arctica* Curtis; Description of the Insects brought Home by Commander J. Clark Ross. Appendix to Ross's Voyage to the Arctic Regions, p. LXXVII, Pl. A, fig. 15. Greenland, Godhavn, July 30, 1898; Reindeer Point, Foulke Fjord, August 16, 1898.

Ellesmereland, Rice Strait, June 26—29, 1899; Cape Rutherford, August 19, 1898; Havnefjord, June 27, 1900; II Gaasefjord, July 2 and 3, 1902 (all material collected by H. G. Simmons).
