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PAPERS FROM THE HARRIMAN ALASKA EXPEDITION.

XV.

ENTOMOLOGICAL RESULTS (9):

ORTHOPTERA.

By A. N. CAUDELL.

THE large collection of insects obtained during the Harriman Alaska Expedition by Professor Kincaid contained only a single species of Orthoptera, as follows:

Melanoplus borealis Fieber.

Melanoplus borealis FIEBER, Lotos, III, p. 120, 1853.—Scudder, Rev. Melanop., p. 270, 1897.

Professor Kincaid secured five adults, three males and two females, and nine nymphs, at Kukak Bay, Alaska Peninsula (July 3, 1899). They were all taken within a few feet of a small pool in a sphagnum swamp. This pool, which was about ten feet in diameter, was surrounded by a miscellaneous vegetation, in which the locusts lived. The specimens were captured by causing them to leap into the water, when they were easily secured. They were preserved in spirits. A large scope of country surrounding this spot was carefully gone over by the collector during the succeeding fortnight and many similar pools visited, but not another locust was seen. This would indicate that this species is quite local in its occurrence.

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The nymphs, which are apparently in the last stage, usually have the outer surface of the posterior femora wholly black on the basal two-thirds, generally relieved by two oblique pale bands, and the inner surface marked by two oblong fuscous spots.

This species has been recorded from the Northern United States, Labrador, Greenland, and Norway.