

RELATIONSHIP OF THE FAUNA OF PUGET SOUND TO  
THAT OF MEXICO AND CANADA.

BY WILLIAM HAMPTON PATTON, HARTFORD, CONN.

The fauna of Puget Sound [as shown by a collection of fifty species of Hymenoptera from Seattle, Washington, kindly sent me by Prof. O. B. Johnson, of the University of Washington] is most like that of Canada, no genera differing.

*Sphex Lucae*, Sauss, and *Astata montana*, Cress., are interesting exceptions.

*Sphex Lucae*, Sauss, shows relationship to California and Lower California. Originally described from Cape Saint Lucas, Mexico. I have identified it among specimens from Lake Co., Calif., kindly sent me by Mr. Oscar T. Baron, and it is found among the species from Seattle, collected by Prof. Johnson.

*Astata montana*, Cress. (Syn. *Ast. elegans*, Cress., ♂ ♀; Syn. *Ast. bella*, Cress., ♂;—the three names belong to one variable species), shows a relationship to the Plateaux Region; occurring at Guanajuato, Mex., on the Mexican Tableland, where it has been collected by Dr. Duges, as identified from a female specimen presented by me to the U. S. N. M., and occurring throughout the Western United States, extending east to the Plains.

SPHINX CANADENSIS, BOISDUVAL.

Prof. C. H. Fernald says in his Sphingidæ of New England: "This very rare moth was taken at flowers in Bangor, Maine, early in July, by Prof. Carl Brown, who kindly loaned me specimens for study." I have pleasure in announcing that this rare Sphinx has been added to the Society's collection, by Mr. C. G. Anderson, who, by industrious attention to bait and electric light, has accumulated a surprising amount and diversity of good material during the first part of the season.

This is the first report of *S. Canadensis* being taken in Ontario, that I am aware of. Mr. Grote refers to it as a Northerly species; and gives its habitat as Canada, Newfoundland, Maine. Rev. T. W. Fyles and Mr. Strecker have reported it from Quebec Province, but Mr. Strecker afterwards received a specimen that was taken near Cincinnati. Nothing as yet seems to be known of its early stages or food plants. Mr. Strecker's excellent coloured illustration of it in his *Rhopaloceres* and *Heteroceres* Plate XIII., fig. 13, is unmistakable, whilst his description, page 106, under the name of *S. Plota*, supplemented by that of Prof. Fernald, leaves nothing further to be desired in that direction. Mr. Anderson has also taken what appears to be a black form of *S. Gordius*.

J. ALSTON MOFFAT, London, Ont.