

SYNOPSIS OF BEES OF OREGON, WASHINGTON, BRITISH COLUMBIA AND VANCOUVER.—IV.

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CERATINIDÆ.

Ceratina, Latr.

Ceratina submaritima, Ckll.—Proc. Acad. Nat. Sci., Phila., p. 352, 1897.

Corvallis, Or., ♀ ♀, 29th May, 4th June, 1897; 24th, 25th May, 7th June, 1898; ♂ ♂, 15th May, 1897; 25th, 27th April, 7th May, 1898; 21st May, 3rd, 9th June, 1899. Elkton, Or., ♀ ♀ and ♂ ♂, 17th January, 1897.

DUFOUREIDÆ.

Halictoides, Nyl.

Halictoides campanulae, Ckll.—CAN. ENT., XXIX, p. 289, 1897.

Olympia, Wash., 30th June; 24th June, 1895 (T. Kincaid). Visits the flowers of *Campanula scouleri*.

PANURGIDÆ.

Panurginus, Nyl.

Panurginus atriceps (Cress.)—(Calliopsis) Trans. Am. Ent. Soc., VII, p. 67, 1879.

Seattle, Wash., 1st July, 1899; 13th, 20th, 28th May to 2nd June, 1896. ♂, Seattle, Wash., 14th May, at flowers of *Rubus ursinus*.

Perdita, Sm.

Perdita albipennis, Cress.—Trans. Am. Ent. Soc., I, p. 386, 1868.

Wash. Received three, Mr. Lovell.

Prof. Cockerell says that this species follows the sunflower, and that its appearance in Washington is, for this reason, not astonishing.

Calliopsis, Sm.

Face entirely black; abdomen with a spot on each side of the first two segments, a broadly interrupted band on the third, and an almost continuous band on the fourth, white *personatus*.

Face with an almost quadrate yellow mark between the eye and clypeus, this mark with a linear prolongation up along the eye margin to a point on a line with the insertion of the antennæ; first four abdominal segments with transverse bands, which are linear except laterally, where they are broad and sinuate. *obscurellus*.

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