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## A LIST OF PERLIDÆ FROM BRITISH COLUMBIA AND ALBERTA.

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Recently Prof. Raymond Osburn, of Columbia University, New York, turned over to me a large collection of Perlidæ made in British Columbia and Alberta. He spent two summers in this region, but collected chiefly in British Columbia. As the lot contains at least a fair proportion of the Perlid fauna of that region, I have made it the basis of a paper. I have also received some Stoneflies of this region from the Rev. G. W. Taylor and Prof. Harvey. In 1903 Mr. R. P. Currie (with Dr. Dyar and Mr. Caudell) spent a season at Kaslo, B. C. He has kindly permitted me to examine his catch of Perlidæ (about 100 specimens), which is now in the National Museum; and I have added his localities to the species in this list. All uncredited localities are from the collection of Prof. Osburn.

As most of the genera are readily separated, I have prepared a key to enable the collector to recognize them. The identification of species is a more difficult matter, and must be made, at present, by a specialist. Undoubtedly there are other species to be found in this region, but the genera are probably all represented in the list.

Perlidæ, like Lepidoptera, should be spread, at least partly, before identification. The essential specific characters are in the genitalia, but the size and markings of head and pronotum are quite constant in each form.

Five of the species are new, the most interesting being the new *Pteronarcys*.

### KEY TO GENERA.

1. In the hind tarsi the apical joint is at least a little longer than the two other joints together; anal setæ always distinct; the anal cell of fore wings usually gives off at least two veins from below. . . . . 2.  
In the hind tarsi the apical joint is at least a little shorter than the two other joints taken together; setæ often absent; the anal cell of fore wings never gives off but one vein from below. . . . . 10.
2. Anterior coxæ approximate; a series of cross-veins in anal region of fore wings. . . . . (*Pteronarcini*) *Pteronarcys*.  
Anterior coxæ widely separate; rarely a series of cross-veins in anal region of fore wings. . . . . (*Perlini*) 3.