

*Eristalis Meigenii*, O. S. West. Dipt. 337 (Yukon River).

*Xylota barbata*, Loew, Cent. v., 40 (Sitka).

Since none of the species taken by Prof. Dyche duplicate those above, the total number of Syrphidae known from Alaska is brought up to twenty.

These species are included in their systematic relation below. It has been thought best, however, to place them in ensemble form here.

*Chilosia gracilis*, n. sp.

*Chilosia plutonia*, n. sp.

*Chilosia alaskensis*, n. sp.

*Melanostoma mellinum*, Linn. I have also seen specimens of the species taken at Ft. Wrangel by Prof. Wickham.

*Syrphus intrudens*, O. S.

*Syrphus mentalis*, Williston.

*Syrphus protritrus*, O. S.

*Syrphus Lesueurii*, Macq.

*Syrphus umbellatarum*, Schiner.

*Eristalis occidentalis*, Williston.

*Helophilus latifrons*, Loew.

*Helophilus Dychei*, Will.

*Xylota ejuncida*, Say.

The preponderance of *Chilosia* and *Syrphus* forms which are known to be mountainous is conspicuous; that the three species of the former genus are all new is not surprising considering the state of our knowledge of them in this country. The occurrence of three European species out of the relatively small total number is rather remarkable, and bears out the law of the occurrence of such forms in the West rather than in the East of this country, or at least that where they occur in the East they also occur in the West. That two species of *Helophilus* should be found is entirely as would be expected of such a northern genus; although that one of them should be new, and that in a restricted group of northern forms, which are of almost circumpolar distribution, is noteworthy.

All of this Alaskan material was placed in the form of a rough draft of a paper by Dr. Williston. In a most truly generous spirit he turned the paper with the specimens over to me, advising me to make any changes that I might see fit, and giving me full permission to incorporate it in the present paper. This has been done. The additions of mine are the preceding part, the descriptions of the three new species of *Chilosia*, and several notes.