

This may be due to the mountainous and heavily timbered nature of the terrain. As a result of the work done in 1952, it was thought that this species, like *S. arcticum*, confines its breeding to comparatively large streams. However, the infestation of Eight Mile Creek, the maximum flow of which is 20 cusecs, implicates the smaller streams, and suggests that the upper reaches of the larger ones must be treated for satisfactory control.

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on the rate of flow of the Shuswap River; and the Provincial Department of Agriculture, which underwrote the cost of control measures.

Summary

A cattle-infesting black fly, closely related to *S. arcticum* Mall., caused serious loss of weight in beef animals in the Cherryville district of British Columbia. It overwinters in the egg stage; the first larvæ appear about March 1 and the pupæ in mid-April; adult emergence is complete by mid-July. Adults are on the wing for the remainder of the summer. A satisfactory degree of control was obtained with DDT, 25 per cent emulsifiable concentrate, applied at one part of DDT in 10,000,000 for fifteen minutes in near-by streams.

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NOTE

Ilybius inversus Shp. (*Coleoptera: Dytiscidae*). Just too late to get into Hatch's "Adephaga," I took four specimens of the above species in a small lake at Barkerville, B.C. (4400 feet). The species is almost unknown in collections and was described by Sharp in 1882 from a

specimen labelled merely "N.A." The insects are the size of our larger *quadrimaculatus*, strongly convex, somewhat pallid, and distinctly bronzed. Mr. J. B. Wallis verified two of the specimens.—*G. Stace Smith.*