

food for them. The weather was cold, nights frosty and the leaves of their food plant (Aspen) were fallen to the ground before the cases were reached. I was confident at the time that the larvæ would have perished out of doors, and that the existence of the species wholly depended on the larvæ from eggs laid by the earlier emerging females. And I believe now that the late emerging females are either sterile, or if eggs are laid later than 20th August, the larvæ perish prematurely. In nine years out of ten, the equinoctial storms come on between 15th and 20th Sept., and what the weather is thereafter, all dwellers in the mountains well know. I have seen a foot of snow here in Virginia on 26th Sept.

Now in N. Hampshire, in the White Mts., I have never supposed the climate was milder than in the Catskills. Mr. Scudder makes his second brood of butterflies emerge from chrysalis about 1st Sept. How much time is to be allowed for the eggs to mature, and to be impregnated and laid, is not stated. My own opinion is that this would require not less than 20 days, even in mid-summer. I know it takes all of that in case of the allied species, *Disippus*. But we will say 10 days, lest winter be upon us. This brings us to about 10th September, when the eggs are laid. Ten days more before hatching, and we reach 20th, just in time to enjoy the equinoctial storms. Then if haply any larvæ survive, three weeks, at the very least, must be allowed for growth to the hibernating stage, and we are in October, clear, cold, windy, and very likely a good covering of snow upon the ground! And yet Mr. Scudder says the existence of this species is due to these September caterpillars—poor little belated, bertumbed, frozen and perishing creatures!

If *Arthemis* is really double-brooded in the White Mts., with a flight in September, then of course it must be so in some part of Canada. We surely cannot be asked to believe that it could be double only in one locality out of its vast range. Therefore I have written several of the lepidopterists of Quebec and Ontario on this matter, and I give their replies.

1. Mr. H. H. Lyman, of Montreal, whom I requested to present the case to the members of the Natural History Society, and collect their testimony. "I was obliged to delay my answer till after the October meeting of our Society. I have never seen any specimens of *Arthemis* in the neighborhood of Montreal in Aug. or Sept., nor have any of our Montreal entomologists."

2. Rev. Thos. W. Fyles, of Cowansville, P. Q., writes: "*Arthemis*