

This place is in the north-west corner of the State, next the Vermont line, and the elevated region spoken of is a continuation of the Green Mountains. So it appears that *Nephele* comes down to the Massachusetts line and *Alope* flies as far as the White Mountains. In the intervening district the intergrades fly just as in New York.

I made application to Canadian lepidopterists for information about the occurrence of *Alope*, and soon ascertained by examples sent me that *Nephele* with a pale atmosphere, but not at all indicative of a band, passed by the name of *Alope*. Thereupon I sent a typical *Alope* to Mr. William Murray, of Hamilton, who kindly offered to make inquiry of his acquaintances in different sections of Ontario. He replies, 31st Dec., 1879: "I now send you my information. Of all my correspondents not one has ever seen an *Alope* that has been taken in Canada, but *Nephele* has been taken by all. I begin to think that *Alope* is not to be found in Canada at any point."

Mr. H. H. Lyman writes from Montreal: "In July, 1876, I spent a couple of days at a farm near Freligsburg, P. Q., one mile north of the Vermont border, and found *Nephele* very common. Most of the specimens taken showed a yellow ring about the eye-spots on primaries, but one of them shows on upper side a somewhat faint, but quite discernible, patch corresponding to the yellow band of *Alope*. Was at same place in 1877. *Alope* was not seen either year." Mr. Caulfield writes Mr. Lyman: "I have never taken a specimen of *Nephele* showing any tendency towards *Alope*, nor have I seen any Canadian examples showing it." Mr. Lyman adds that at Portland, Maine, where he collected several summers, *Alope* was common as well as *Nephele* and all intergrades.

(To the west of New York, in the latitude of the belt spoken of, it is believed that the two forms fly together at least as far as Wisconsin. Prof. A. J. Cook writes that both are common in Michigan, south of the latitude of Grand Rapids. At Toledo, Mr. John Wilson writes that *Nephele* is rare, and *Alope* unknown, so far as appears. At Cleveland, O., Dr. J. F. Isom informs me that *Alope* is very rare, but that *Nephele* is abundant in some seasons. In south-west Ohio, Dr. H. K. Landis, of Columbus, writes that he cannot learn that either form has ever been taken. They are not mentioned in Mr. Dury's list of butterflies found about Cincinnati. But in northern Illinois *Nephele* is abundant and *Alope* not found at all. So that somewhere between New York and Illinois, in Ohio and Indiana, *Alope* seems to disappear, while *Nephele* be-