

eastwardly however, Dr. Fletcher having sent me specimens for determination from Ontario. It is the form listed by Dr. Dyar as *calycanthata* from the Kootenai district. Flies in May and June.

P. MINEREA, Guenée. More like *lunata* in appearance and often confused with it. It is more mottled, however, and differs structurally. An easy way to distinguish it is by the date; it flies in May, June and July and disappears before *lunata* comes on the scene. It is found throughout the eastern provinces and mingles with *norda*, which may be confused with it, in Ontario. Dr. Bethune redescribed it as *albofasciata*, a well marked male serving as type. It might be said that in this and the preceding species the males tend to bluish irrorations, especially in the terminal area.

P. LUNIFERA, Hubner. This is a much slighter species than any of the preceding and of a more even gray tint. I have no actual Canadian records; but I have it from the States just south of the line, where it flies with the next species. It will almost certainly be found in Ontario.

P. LINEOSA, Wlk. This has been confused with *lunifera* and resembles it very much. It is yet slighter, usually paler, and without contrasting maculation. I have it from points in Ontario, and from Winnipeg, Manitoba, June to August. It probably occurs throughout the Dominion east of the Mountains.

P. UNILINEATA, Grote. A very characteristic species for which I have no definite Canadian records. It has been generally recorded from Canada and flies in early spring.

P. LARGERA, Smith. Belongs to the series in which the wings are less trigonate and the undulating very oblique transverse lines are replaced by simpler more upright maculation. The types are from Vancouver Island, May 8th, collected by Rev. G. W. Taylor and sent in by Dr. Fletcher, (male) and Winnipeg, Manitoba, sent in by Dr. Barnes (female). These are the only examples of the species known to me.

P. DUPLICATA, Bethune. A much smaller representative of the same series and a very distinct species. It was recorded from Port Hope, by Dr. Bethune, I believe.

P. CINGULIFERA, Walker. I have no Canadian localities; but the species occurs in Maine and other New England States, so will almost certainly be found in the eastern provinces.

P. HORRIDA, Hubner. A common and well-known species which flies from May to August and occurs throughout the eastern provinces and westward, probably to the Mountains.

From the list of species heretofore credited to Canada *P. calycanthata*, Sm. and Ab., must be dropped. It is strictly a