

473. *Plemyria (Rheumaptera) hastata*, Linn.—Common in the spruce. June and early July.
474. *P. tristata*, Linn.—Very common. End May and June.
475. *P. sociata*, Bork.—Common. Middle June to middle July. According to Mr. Charles G. Barrett this is the same as European *subtristata*, Haw., not *substriata*, as Dyar writes it.
476. *P. luctuata*, Schiff.—Very common in the spruce some years, but seems to be rare on Pine Creek. Middle June and July.
477. *P. Georgii*, Hulst.—I always looked upon this as a great rarity until 1903, when it was fairly common. On flowers of *Solidago virgaurea* at night, and also came to treacle. End Aug. and Sept.
478. *P. subrosuffusata*, Pack.—Not rare. May and June. The colour of the secondaries is decidedly an orange-yellow, but I gather from Mr. Taylor that Packard described them as "brick-red." He writes: "I have had abundant material for study, and there is no doubt as to the species. Our specimens and California ones are exactly the same, and apparently our idea of orange-yellow was Packard's notion of 'brick-red.'" Dr. Holland's figure looks like the Calgary species bleached. One of my specimens bears a red-ink label "*Ochyria carneata*," on Hulst's authority.
479. *Zenophleps lignicolorata*, Pack.—Not rare. Middle July to middle Aug. I have it from the flat prairie to the mountains at Banff, but did not see it there above 6,000 feet.
480. *Mesoleuca gratulata*, Walk.—Rather common in the spruce. My only dates are May 30th to June 6th, and my four specimens are perfect. Mr. Taylor says the species is distinctly western.
481. *Mesoleuca cæsiata*, Schiff.—I have taken in good condition at Laggan, from July 18th to Aug. 10th, from 5,700 ft., and occasionally far above the timber line, one capture being on the summit of Saddle Mt., 7,900 ft. I have a head of Pine Creek ♀, taken at light on Sept. 3rd, 1904, which Mr. Taylor refers as a var. of this species. It entirely lacks the faint though obvious ochreous tinge present in the Laggan form, the ground colour is paler, with distinct smoky central and terminal bands. The specimen is somewhat worn. I took an exactly similar specimen during 1905. In the Kootenai list Dr. Dyar says that he found this a high altitude species, and records it from Banff, Alta., on Sept. 10th.
482. *M. lacustrata*, Guen.—Not common. Middle June to middle July. Notwithstanding the generic separation, this species seems rather easy to confuse with *Plemyria sociata* without some knowledge of the