

Mass. (H. H. Newcomb); Durham, N. H.*; Norway, Me.*; Orono, Me. (M. E. Fernald, in coll. Cornell University); and Digby, Nova Scotia (John Russell). From its occurrence at Medford and Milton, the Massachusetts localities (Needham and Walpole), given by Scudder in the Butterflies of the Eastern U. S. and Canada, for the varietal form of *irus* having "the outer margin of the primaries . . . narrowly hoary," may be safely included as referring to this species.

In the Butterflies of Maine, C. H. Fernald says: "This is a common species in Maine," and Fiske speaks of it as abundant in certain parts of New Hampshire.

Polios was taken in 1907 by Mr. Charles A. Hill, of Chicago, at Pine, Ind., in the sand-dune region along the southern shore of Lake Michigan, where *Synchlœ olympia* was recently unearthed. Mr. Hill took fourteen specimens, and reports the species fairly abundant in that locality.

In the west *polios* has been taken at the "head of Pine Creek, Calgary, Alberta (F. H. Wolley Dod)"; forty miles south of Athabasca Landing, Athabasca⁷ (McCary); Waghorn, Alberta (P. B. Gregson, in the collections of John Comstock, Evanston, Ill., and Alexander Kwiat, Chicago, Ill.). Dr. Henry Skinner⁸ gives as another Canadian locality, Olds, Alberta. Also in Colorado (Morrison, in collection of O. Meske, and David Bruce, in collection of Cornell University); Graham's Park on Rio de los Pinos, Colo.*⁹; South Park, Colo.*; and Chimney Gulch, near Golden, Colo. (Dyar and Caudell).

Without much hesitation I include Puget Sound (Wright), the locality given for the specimen figured in Butterflies of the West Coast (*l.c.*).

Time of Flight.—Species single-brooded, the butterflies appearing (in New Jersey) with *augustus* about the middle of April, ordinarily becoming abundant before the last of the month, and rarely enduring through May (Watson). In New Hampshire "earlier in its emergence than any of the allied species; . . . taken on willow blossoms in Durham as early as April 19th" (Fiske).¹⁰ In Maine it "is on the wing during the middle

*Collector unknown.

7. So reads the label, though the only Athabasca Landing which I have found on the map is in Alberta.

8. Entomological News, Vol. XVIII, No. 8 (October, 1907), p. 327.

*Collector unknown.

9. Misprinted "Cal." in the original description of *polios*.

10. Probably careful field work will show that *augustus* is on the wing almost or quite as early.