# NOTES ON THE NEW SPECIES AND VARIETIES OF RHOPALOCERA IN WRIGHT'S BUTTERFLIES OF THE WEST COAST.

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Mr. W. G. Wright, in his "Butterflies of the West Coast," describes thirty-two new species and varieties. A number of these, as shown by various reviewers, must be placed as synonyms, and others are but geographical races and aberrations. Unfortunately, the habitats given are vague and indefinite, and this appears to be particularly true of the new forms. The following are described and, with few exceptions, are figured:

### PARNASSIDÆ.

- 10. Parnassius smintheus, var. niger, Wright.—This variety is founded on a single &, which is entirely destitute of red. Hardly worthy
- 13. P. smintheus, var. magnus, Wright .- This is a large northern race of smintheus.

#### PAPILIONIDÆ.

25. Papilio zolicaon, var. coloro, Wright.—Described from a single specimen taken in the Colorado Desert. Differs from zolicaon only in deeper yellowish colour.

#### PIERIDÆ.

- 60. Anthocharis deserti, Wright .-- Appears to be a small-sized desert form of cethura.
- 67. Anthocharis mollis, Wright .- I would consider this identical with sara.
- 70. Anthocharis caliente, Wright.—Described from a single female. It may prove to be a variety of pina, to which it comes closest.

## NYMPHALIDÆ.

- 111. Argynnis letis, Wright .- A slight & variety of leto.
- 119. A. sordida, Wright.—This is given as a variety of Bremneri, differing from the typical form in that the under surface of the secondaries has the white or buff spots more or less obsolete, and the surface is suffused with ferruginous. The specimen figured as Bremneri is rhodope, and hence we must consider sordida a variety of that species. No figure of
  - 134. A. laurina, Wright.—An unsilvered variety of laura. July, 1908