

lines of the secondaries are obsolete, and the base of the primaries is quite uniform brownish black. Beneath, the general colour is dark grey instead of ferruginous.

*P. subota* is not uncommon in the valley of the Polochic in Guatemala, up to an elevation of about 4000 feet; but we have not seen it from anywhere else in that country. From Costa Rica we have only two specimens; these are somewhat aberrant, the cross band of the secondaries being narrower and the base of the wings beneath darker.

We have figured one of the types from the Polochic valley, Guatemala.

### 30. *Phyciodes drymæa*. (Tab. XXII. figg. 9, 10.)

*Phyciodes drymæa*, Godm. & Salv. P. Z. S. 1878, p. 268<sup>1</sup>.

*P. ardys* quoque similis, sed supra fascia maculosa posticarum transversa fere obsoleta; subtus maculis omnibus valde indistinctis obscure griseo-fuscis, fusco irroratis.

*Hab.* GUATEMALA, Las Nubes (*O. S.*<sup>1</sup>), Chisoy and Polochic valleys (*F. D. G. & O. S.*<sup>1</sup>), Sinanja, Purula, Dueñas, and Calderas (*Champion*).

Allied to the last species, but differing in having a row of very small spots across the secondaries instead of a distinct band. Beneath, the marks of the secondaries are very indistinct, and the general colour is of a brownish tinge.

Our series of specimens show great uniformity.

*P. drymæa* is peculiar to the mountain-districts of Guatemala, ranging as high as 7000 feet at Calderas in the Volcan de Fuego.

We have figured a male from Purula, Guatemala.

### 31. *Phyciodes sosis*. (Tab. XXII. figg. 11, 12.)

*Phyciodes sosis*, Godm. & Salv. Ann. & Mag. N. H. ser. 5, ii. p. 262<sup>1</sup>.

*P. ardys* quoque similis, maculis posticarum absentibus, sed alis posticis lineis undulosis tribus submarginalibus notatis, subtus maculis rufo-brunneis læte ornatis.

*Hab.* COSTA RICA, Irazu and Rio Sucio (*Rogers*); PANAMA, Volcan de Chiriqui, 2000 to 3000 feet (*Champion*).

A small distinct species of limited range, allied to *P. drymæa*, but with three indistinct submarginal bands of lunules on the secondaries, the innermost taking the place of the row of spots of *P. drymæa* and *P. subota*. The markings of the secondaries beneath are more distinct than in *P. drymæa*; and the general tint is of a more russet hue.

We have figured one of the types from Irazu, Costa Rica.

*P. nebulosa* group. Spots of the primaries ferruginous.

### 32. *Phyciodes nebulosa*. (Tab. XXII. fig. 13, 14.)

*Phyciodes nebulosa*, Godm. & Salv. P. Z. S. 1878, p. 269<sup>1</sup>.

Alis fuscis, anticis ferrugineo maculatis; posticis ad basin ferrugineo maculatis, fascia lunulosa submarginali notatis: subtus anticis ad basin flavidis; posticis rosaceo-albidis, rufo-brunneo irroratis, macula magna irregulari mediam costam attingente rufo-brunnea.