

Augustine Ranch, in flowers of *Datura meteloides*.

*Mordella marginata* Mels. Rio Ruidoso, on flowers of *Rhus glabra*, July 19, about 6500 ft. (Townsend).

*Zonitis flavida* Lec. Las Vegas, at flowers of *Cleome serrulata*, June 29.

*Epicauta pennsylvanica* DeGeer. Above Mescalero, on *Sphaeralcea fendleri*, Aug. 21. (Wooton)\*.

*Eupompha fissiceps* Lec. (det. Schwarz). Plains east of San Andreas Mts., on *Lycium berlandieri*, July 15. (Wooton); Mesilla Park, July 17, one on *Larrea*.

*Rhipiphorus cruentus* Germ. Fillmore Cañon, Organ Mts., on flowers of *Solidago canadensis arizonica*, Sept. 1, about 5700 ft. (Townsend).

*Attelabus bipustulatus* Fab. Rio Ruidoso, about 6500 ft., on *Rhus glabra*, July 24. (Townsend).

*Peritaxia hispida*, Horn. La Cueva, Organ Mts., under prostrate sotol, Sept. 4. (Townsend). The sotol is *Dasyllirion wheeleri*.

*Pandeletejus cinereus* Horn. Las Cruces, on *Prosopis glandulosa*, May 6, (Townsend).

*Apion tenuirostrum* Sm. and *A. varicornis* Sm., together on flowers of *Petalostemon oligophyllus*, Las Vegas, July 21.

*Smicronyx imbricatus* Csy. Las Vegas, on flowers of *Convolvulus arvensis*, June, 17.

*Otidocephalus vittatus* Horn. Embudo,

on *Chrysothamnus*, Sept. 26.

*Anthonomus albopilosus* Dietz. Embudo, on *Croton*, Sept. 25.

*Desmoglyptus crenatus* Lec. Lone Mtn., on Concord grape vine, June 6.

*Trichobaris compacta* Csy. La Cueva, Organ Mts., on leaves of *Datura meteloides*, Aug. 30. (Townsend).

*Centrinus acuminatus* Csy. Las Cruces, on flowers of *Sphaeralcea* Sept. 9. (Townsend).

*Scyphophorus acupunctatus* Gyll. La Cueva, Organ Mts., under prostrate sotol, Sept. 3. (Townsend).

*Pityophagus verticalis* Horn. Eagle Creek, about 7000 ft., Aug. 11, in hole in live pine at Gilmore's Ranch. (Townsend.)

*Dendroctonus terebrans* Oliv. Eagle Creek, about 7000 ft., Aug. 11. Townsend has written the following note: "Gilmore's Ranch; boring in live pine tree roots between bark and sapwood and making hole through resin both hard and soft; keeping hole open to outside; resin is running continually. When resin gets hard beetle bores out, leaving pile of chips of resin marking hole. (Alfred Holt)."

DICHOPETALA BREVICAUDA — A CORRECTION.

Under this name Scudder described (Can. ent., xxxii, 331-332, 1900) a locustid from California and more recently through inadvertence proposed the same name for a species from New Mexico (First list orth. New Mex., p.

\*I may as well record here the occurrence of *Epicauta caviceps* Horn, and *E. wheeleri* Ulke, (both det. Wickham) on *Isocoma hartwegi* at Tuscon, Arizona, the specimens received from Prof. Toumey.

51 — Proc. Davenport acad. sci., IX, 1902). At Mr. Scudder's request I have just examined the species concerned and find that the first described is a short-winged *Arethaea* closely allied to *A. carita* Scudd., (First list orth. New Mex., p. 52) and consequently becomes

*A. brevicauda*. The New Mexican species is a true *Dichopetala* but a change in the specific appellation is necessary and *brevihastata* (a name suggested by and to be credited to Mr. Scudder) may take its place.

A. P. MORSE.

## GROUP CHARACTERISTICS OF SOME NORTH AMERICAN BUTTERFLIES — II.

BY SAMUEL H. SCUDDER, CAMBRIDGE, MASS.

### Subfamily EUPLOEINAE.

*Mature caterpillar*: Head smooth, uncrowned. Body cylindrical, tapering anteriorly, naked, but provided with a greater or less number of lateral ranged fleshy protuberances or filaments, never with spines, and gaily and brightly colored, generally with transverse stripes. Feeds almost exclusively on Asclepiadaceae and Solenaceae. *Chrysalis*: With no conspicuous prominences, all the part rounded, the thorax and abdomen generally not deeply separated, the appendages not raised above the general curve of the body, the abdomen plump, or with some portion of the body specially plump.

### Tribe LIMNAINI.

*Butterfly*: Males provided on hind wings with one or more spot-like pockets concealing androconia, or a surface patch or patches of androconia (wanting in

some paleogean genera), but no rows of erect hairs. Females with short and club shaped fore tarsi. *Egg*: (Distinction from Ithomyini not known) *Caterpillar at birth*: Some of the body segments provided, besides the ranged bristles, with low roughened tubercles. *Mature caterpillar*: Body furnished with slender and filamentous appendages; otherwise naked; markings mostly transverse. Feeds on Asclepiadaceae. *Chrysalis*: Dorsally very tumid at about the third abdominal segment, often transversely ridged in this part; markings not unusually prominent.

### *Synopsis of the genera.*

I. ANOSIA. *Butterfly*: Cell of fore wing nearly three fifths, of the hind wing about two thirds, as long as the wing. No spots in the middle of median interspaces of fore wings. *Egg*: Half or less than half as high as broad, with more

