

The described Cicadidae of Chile

BY

Dr. Frederic W. GODING

I.—SYNONYMICAL LIST.

Division TETTIGADESARIA.

GENUS *Tettigades* AMY. & SERV.

T. chilensis AMY. & SERV. Hist. Hem. p. 470, pl. xii, fig. 14 (1843).

Cicada rubrolineata, SPIN. Gay Hist. Chile, Zool. vii, p. 239 (1852).

Cicada eremophila, PHIL. Viage al Desierto Atacama, p. 156 (1860).

Tettigades crassimargo, SIGN. Ann. Soc. Ent. Fr. ser. 4. iii, p. 582 (1863).

Fidicina crassivena, WALK. Ins. Saund. Hom. p. 9 (1858).

Tettigades parva, DIST. Ann. Mag. Nat. Hist. x, p. 65 (1892).

Hab:—Chile (A. & S.); Santiago, Valdivia (Berg); Atacama (Philippi), Petorca (Porter).

T. ulnaria DIST., Entomologist, p. 64 (1906).

id. Jac. Cic. And. fig. 42 (1907).

Hab:—Chile (Distant).

T. opaca, JAC. Cic. And. p. 27, fig. 43 (1907).

Hab.—Chile (Jacobi).

T. Porteri BRÈTHES, Rev. Ch. Hist. Nat., xxiv, p. 10 (1920).

Hab:—Lonquimay, Chile.

T. compacta WALK. List Hom. Brit. Mus. p. 256, pl. 1, fig. 3 (1850-52).

Hab:—Chile (Distant).

Obs. The species of this genus range from Chile to Mexico, some authors accounting for it in the extreme variation of *chilensis*, Berg placing as synonyms *compacta*, Walk., *rubrolineata*, Spin., *crassimargo*, Sign., and *eremophila*, Phil. Distant's synonymy is: *chilensis*, A. & S. *rubrolineata*, Spin., *eremophila*, Phil., and *crassivena*. Walk., with *compacta*, Walk., as a good species, and described *mexicana*, *lebruni*, and *parva* as distinct. Jacobi, another reliable authority, believes *parva*, *lebruni*, and *mexicana*, of Distant, *compacta*, Walk., and *crassimargo*, Sign., to be regional forms of the very variable *chilensis*, Amy. & Serv. A middle position is adopted in this List.

Genus Chonosia DIST.

C. cinnabarina, Berg, Hem. Argent. p. 205 (1879).

id. Jac. Cic. Andina, fig. 44 (1907).

Hab:—Chile (Jacobi).

Division TIBICINARIA.

GENUS *Tibicen* LATR.

T. crassimargo SPIN., Gay Hist. Chile, Zool. vii, p. 241 (1852).

Cicada occidentalis, Walk. List Hom. Brit. Mus. p. 225 (1850).

T. crassimargo, Jac. *id.* fig. 33 (1907).

Hab:—Chile (Spinola).

GENUS *Ahomana* DIST.

A. chilensis DIST. Ann. Soc. Nat. Hist., xxi. p. 24 (1905).

Hab:—Petorca, Chile (Porter).

II.—SYNOPSIS.

Key to subfamilies.

Tympanal covers present.

Tympanal orifice wholly concealed by tympanal covers.....Subf. *Cicadinae*.

Tympanal orifices partly exposed, covers imperfect
 Subf. *Gaeaninae*.
 Tympanal covers absent, orifices entirely exposed
 Subf. *Tibicininae*.

SUBFAMILY *Tibicininae*.

KEY TO DIVISIONS.

Lateral margins of pronotum, some dilated, usually
 angulate at middle.....Division *Tettigadesaria*.
 Lateral margins of pronotum not dilated or angulate,
 obliquely narrowed toward head.....Division *Tibicinaria*.

DIVISION *Tettigadesaria*.

KEY TO GENERA.

Head about equal in breadth to base of mesonotum, mar-
 gins convex, front prominent, about as long as vertex
 Genus *Tettigades*.
 Head much broader than base of mesonotum, margins
 sinuately oblique, front very prominent, longer than
 vertex..... Genus *Chonosia*.

GENUS *Tettigades* AMY. & SERV.

KEY TO SPECIES.

Second ulnar cell of tegmina shorter than first and third.
 Abdomen without spots or stripes on dorsum.
 Dorsum of abdomen black, red on sides of mesonotum
 and at bases of tegmina and wings... *chilensis* Amy. & Serv.
 Dorsum of abdomen ferruginous; mesonotum and ba-
 ses of tegmina and wings not red..... *Porteri* Brèthes
 Abdomen black, a tawny stripe on each side.....
 *compacta*, Walk.
 Second ulnar cell of tegmina equal in length to the first
 and third.
 Tegmina a $2\frac{1}{2}$ times longer than broad. *ulnaria*, Dist.
 Tegmina about twice longer than broad..... *opaca*, Jac.

GENUS *Chonosia* DIST.

There are tow species included in this genus, both found in Argentina, one of which also occurs in Chile; it may be recognized by the cinnabar red color with black markings *cinnabarina* Berg

DIVISION *Tibicinaria*.

KEY TO GENERA.

Head about as broad as base of mesonotum, breadth equal to or greater than pronotal length, front shorter than vertex.....Genus *Tibicen*.

Head much narrower than base of mesonotum, width and pronotal length about equal, front nearly as long as vertex.....Genus *Ahomana*.

GENUS *Tibicen* LATR.

A single yellow species with black markings and silvery pubescence; tegmina and wings unspotted.....
..... *crassimargo* Spin.

GENUS *Ahomana* DIST.

Black, with some ochraceous markings, first and second transverse veins of tegmina slightly infusate, abdomen and sternum hairy; tegmina and wings semihyaline..... *chilensis* Dist.

