

SYNOPSIS OF THE MEMBRACIDÆ OF CHILE

BY

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Among the described Membracidae, eight have been recorded from Chile, another is doubtful, and two from Patagonia described many years ago may have been collected on the western side of the southern Andes. Walker recorder one from «China», evidently a typographical error for «Chile» as its congenors inhabit adjoining countries, and several similar mistakes have appeared in connection with other of his species. It has been thought best to include all of the above in this list, as they together with several species now known from Argentina are certain to be collected in Chile.

Butler described * «*Methille cuneata*» from the Straits of Magellan, which is identical with *Melizoderes carinatus* BLANCHARD; and *Smilia unicolor* SIGNORET, is *Triquetra rubro-costata*, BLANCHARD, both of which must be reduced to synonyms of Blanchard's species.

This Synopsis is to be used only for Chilean species.

List of Species

Subfamily SMILIINAE

Genus Ciphonia, Lap.

C. clavigera, FABR. Syst. Ryng. p., 17 (1803).

Hab: — Patagonia (Fairmaire).

* NOTE: I have examined Butler's type, and two examples of *carinatus*, the last through the courtesy of Prof. Dr. Carlos E. Porter.

Genus Entylia, GERM.**E. gemmata**, GERM. Mag.Ent. iv, p. 16 (1821).

Hab: — Patagonia.

*Subfamily DARNINÆ**Genus Pyranthe*, STAL.**P. chilensis**, BLANCH. Gay Hist. Fis. y Polit. Chil., Zool. vii, p. 270, pl.3, fig.6 (1852).

Hab: — Provinces of Cauquenes, Maule; Valparaiso & Aconcagua (Porter).

*Subfamily MEMBRACINÆ**Genus Membracis*, FABR.**M. peruviana**, FAIRM. Rev. Memb. p.249, pl.4, fig. 26(1845).

Hab: — ? Chile (Fairmaire).

Genus Philya, WALK.*Azinia*, Walk.*Aechmophora*, Stal.**P. pallidipennis** WALK. Ins.Saund.Hom.p.63 (1858).

Hab: — Chile.

*Subfamily HOPLOPHORINÆ**Genus Triquetra*, FAIRM.**T. rubro-costata** BLANCH. Gay Hist.Fis. y Polit. Chil. Zool. vii, p. 272 (1852).*Smilia unicolor*, Sign.

Hab: — Central Provinces of Chile.

*Subfamily CENTROTINÆ**Genus Melizoderes*, BLANCH.*Methille*, BUTL.**M. ghayi**, BLANCH. Gay Hist. Fis. y Polit. Chile.Zool. vii, p.3, fig.5 (1852)

Hab: --- Valdivia, Santa Rosa, Coquimbo, etc.

M. carinatus BLANCH. id. p.269, pl. 3, fig.5 (1852).

Methille cuneata, Butl.

Hab: --- Province of Coquimbo, Cordillera of Ovalle,
Straits Magellan; Prov. of Valparaíso
(Porter.)

M. dohrni SIGN. Ann. Soc. Entom. Fr., Ser. 4, III, p. 584,
pl.11 fig.9 (1863)

Hab. — Chile.

Genus Aethalion. LATR.

A. latreilli SIGN. id. p.672 (1851).

Hab: — Chile.

A. unicolor SIGN. id. p.672 (1851).

Hab: — Chile.

A. multicolor SIGN. id. p.675, pl.14, fig.7 (1851).

Hab: — Chile.

Synopsis

KEY TO SUBFAMILIES

Scutellum entirely covered by pronotum.

Posterior tarsi longest, or equal in length to the
other tarsi.

Front, middle, and sometimes hind tibiae dilated,
flattened..... Subfamily *MEMBRACINAE*.

Tibiae not dilated or flattened.

Terminal cell of tegmina elongate, base sessile
..... Subfamily *DARMINAE*.

Terminal cell of tegmina petiolate.

Tegmina coriaceous, opaque, veins difficult
to observe, free margins extra broad (None
recorded from Chile).....

..... Subfamily *TRAGOPINAE*

Tegmina membranaceous with distinct veins, some-
times with basal and other areas coriaceous and
punctured..... Subfamily *SMILIINAE*.

Posterior tarsi much shorter than front and middle
tarsi..... Subfamily *HOPLOPHORINAE*.

Scutellum more or less uncovered, apex acuminate or emarginate.....Subfamily *CENTROTINAE*.

Subfamily *SMILIINAE*

KEY TO THE SPECIES

Tegmina uncovered, base emitting two veins; posterior pronotal process narrowed from humeral angles backward.....*Cyphonia clarigera*, Fabr.

Tegmina mostly covered by pronotum, base emitting two parallel veins; dorsum of pronotum acute, elevated, compressed laterally, deeply notched or sinuate.....
.....*Entylia gemmata*, Germ.

Subfamily *DARNINAE*

A somewhat triangular species with lateral horns; color variable.....*Pyranthe chilensis*, Blanch.

Subfamily *MEMBRACINAE*

KEY TO THE SPECIES

Pronotum foliaceous, elevated, front rounded, destitute of lateral carinae or horns; black, spot at middle of dorsum, and before apex, yellow.....
.....*Membracis peruviana*, Fairm.

Pronotum not foliaceous, furnished with a porrect front horn with apex dilated, carinate, minutely tuberculate.....*Philya pallidipennis* Walk.

Subfamily *HOPIOPHORINAE*

In a general manner this species somewhat resembles *Pyranthe chilensis*, but is easily distinguished from that species by the very short posterior tarsi, and red tip of lateral horns.....*Triquetra rubro-costata*, Blanch.

Subfamily *CENTROTINAE*

KEY TO GENERA

Pronotum furnished with a posterior process (Not recorded in Chile).

Pronotum destitute of a posterior process and of horns above lateral angles, more or less convex; scutellum acuminate at apex.

Ocelli nearer to eyes than to each other, placed on a line passing through center of eyes; dorsum of scutellum with a median carina; tegmina with five apical cells, and two discoidal cells, venation regular; front of pronotum elevated in a crest usually.....

.....Genus *Melizoderes*, Blanch.

Ocelli a little nearer to each other than to eyes, distant from base of head; scutellum destitute of a median carina unless at apex; tegmina with numerous irregular apical cells, venation unusual.....

.....Genus *Aethalion*, Lat.

Genus *Melizoderes*, Blanch.

KEY TO SPECIES

Dorsum of pronotum convexly arched, front rounded not projecting above the head.....*Gayi*, Blanch.

Dorsum of pronotum elevated in front in a crest projecting over the head.

Summit of crest rounded; tegmina with an oblique hyaline band.....*Dohrni*, Sign.

Summit of crest obtusely angular; tegmine destitute of hyaline band.....*carinatus*, Blanch.

Genus *Aethalion*, Latr.

Key to Species

Pronotum and base of tegmina densely punctured, con-

- colourous; eyes prominent beyond front angles of pronotum
- Scutellum densely punctuate; base of head almost straight, but lightly sinuate at middle: *unicolor* Sign.
- Scutellum very obsoleteely punctuate; base of head sinuate at middle..... *latreillei* Sign.
- Pronotum and base of tegmina lightly punctuate, variegated; eyes ordinary..... *multicolor* Sign.

