

CATALOGUE OF THE VICTORIAN CICADIDÆ IN THE NATIONAL MUSEUM, MELBOURNE.

By Howard Ashton.

(Plate IV., Figs. b, d—h, j, k.)

During my investigations into this group I have been afforded frequent opportunities for examining the collection contained in the National Museum, Melbourne, and, acting on the suggestion of the Curator, I have drawn up the following catalogue embracing all the Victorian species in the Museum. In the collection are a number of specimens determined by Walker; also a number determined by Goding and Froggatt, together with some of their types. Where there is any doubt of a species, I have followed the determinations of Distant, since he has all the material at his disposal, and has recently systematized the family in a thorough and admirable manner. Several of the species in my own collection have been determined by him, and, having these, I have found occasion to differ a little from other workers in the family. I have to thank the Curator of the Zoological Department, Mr. J. A. Kershaw, for facilities afforded me during the examination of the collections, and for the loan of several specimens. In addition to the references given here, may be understood in each case those of Distant's Catalogue of 1906.

Family Cicadidæ.

SUB-FAMILY CICADINÆ.

Division Cyclochilaria.

GENUS CYCLOCHILA, Amy. and Serv.

Type *C. australasiæ*, Donovan.

C. AUSTRALASIÆ, DONOV.

Tettigonia australasiæ, Don. *Ins. N. Holl. Hem.*, pl. II., f. 1, 1905.

Cicada olivacea, Germ., *Thon. Ent. Arch.* II., 1830; *id. Silb. Rev. Ent.* II., p. 57, 1834.

Cyclochila australasiæ, Amy. and Serv. *Hist. Hem.*, p. 470, 1843; McCoy, *Prodr. Zool. Vict. decad. V.*, p. 57, f. 4. pl. 1, 1880; *et al.*

Var. *spretæ*, God. and Frogg., *Proc. Linn. Soc. N.S.W.*, p. 570, 1904.

GENUS PSALTODA, Stål.

Type *Psaltoda moerens*, Germ.

P. MOERENS, GERM.

Cicada moerens, Germ., *Silb. Rev. Ent.* II., p. 67, 1834.

Psaltoda moerens, Stål., *Ann. Soc. Ent. Fr.*, I., p. 614, 1861; God. and Frogg., *Proc. Linn. Soc. N.S.W.*, p. 590, 1904; *et al.*

Cicada moerens, McCoy, *Prodr. Zool. Vict.*, V., p. 53, pl. I., fs. 1, 2, 1880.

P. AURORA, Dist.

Psaltoda aurora, Dist., *Trans. Ent. Soc. Lond.*, p. 664, 1881 ;
God. and Frogg., *Proc. Linn. Soc. N.S.W.*, 1904, p. 586.

(Note.—Though included in the Victorian collection, the locality must be considered as doubtful. Both Distant and Goding and Froggatt give its habitat as Queensland.)

GENUS HENICOPSALTRIA, Stål.

Type *H. eydouxi*, Guer.

H. NUBIVENA, Walk.

Fidicina nubivena, Walk., *List. Hom. Sup.*, p. 17, 1858.

Henicopsaltria rubivena, Stål., *Berl. Ent. Zeit. X.*, p. 171, 1866 ;
God. and Frogg., *Proc. Linn. Soc. N.S.W.*, 1904, p. 578.

(Note.—Hitherto not recorded from within Victoria.)

SUB-FAMILY TIBICININÆ.

Division Taphuraria.

GENUS ABRICTA, Stål.

Type *A. brunnea*, Fabr.

A. AURATA, Walk.

Cicada aurata, Walk., *List. Hom. I.*, p. 215, 1880 ; *et al.*

Tibicen auratus, *God. and Frogg.*, *Proc. Linn. Soc. N.S.W.*, p. 606,
1904.

(Note.—One specimen determined by Walker in the collection.)

GENUS DIEMENIANA, Dist.

Type *D. coleoptrata*, Walk.

D. COLEOPTRATA, Walk.

Cicada coleoptrata, Walk., *List. Hom. I.*, p. 223, 1850.

Tibicen coleoptrata, Stål., *Otv. Vet. Ak. Förh.*, p. 485, 1862.

Tibicen coleoptratus, *God. and Frogg.*, *Proc. Linn. Soc. N.S.W.*,
1904, p. 608.

Diemenia coleoptrata, Dist., *Ann. Mag. Nat. Hist. (7), XVI.*,
p. 206, 1905 (*Gen. nom. praeocc.*).

Diemeniana coleoptrata, Dist., *Syn. Cat. Hom. I., Cicad.*, p. 145,
1906.

(Note.—One specimen determined by Walker in the collection.)

Division Melampsaltraria.

GENUS MELAMPSALTA, Am.

Type *M. musiva*, Germ.

M. DENISONI, Dist.

Melampsalta denisoni, Dist., *Ann. Soc. Ent. Belg., XXXVII.*,
p. 78, 1893 ; *God. and Frogg.*, *Proc. Linn. Soc. N.S.W.*, p. 636, 1904.

Melampsalta kershawi, God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 636.

(Note.—The type specimen of *M. kershawi* is a female of *M. denisoni*, faded in colour, and rather mutilated.)

M. BINOTATA, GOD. AND FROGG., Proc. Linn. Soc. N.S.W., 1904, p. 643.

Melampsalta angusta, God. and Frogg. (nec. Walk.), loc. cit., p. 643.

(Note.—Determined by Walker as *M. angusta*, Walk., in the collection. In the Macleay Museum, Sydney, Goding and Froggatt have determined the male as *M. angusta*, and the female as *M. binotata*, God. and Frogg. *M. angusta* is a synonym for *M. cruentata*, Fabr., a very distinct species, from New Zealand.)

M. CRUENTATA, Fabr.

Tettigonia cruentata, Fabr., Syst. Ent., p. 680, 1775.

Melampsalta cruentata, Stal., Hem. Fabr., II., p. 116, 1869.

Cicada sericea, Walk., List. Hom., p. 169, 1850.

Cicada rosea, Walk., loc. cit., p. 220.

Cicada angusta, Walk., loc. cit., p. 174.

Cicada bilinea, Walk., List. Hom. Supp., p. 34, 1858.

Cicada muta, Kirby, Trans. N.Z. Inst., XXVIII., p. 445, 1885.

Melampsalta angusta, Dist., Ann. Mag. Nat. Hist. (6), IX., p. 326, 1892; God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 643.

(Note.—One specimen amongst Victorian Cicadidæ, but without locality. In all probability from New Zealand.)

M. ABDOMINALIS, Dist.

Melampsalta abdominalis, Dist., Ann. Mag. Nat. Hist. (6), IX., p. 323, 1892; God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 634.

(Note.—One female specimen determined by Walker as *Cicada melanopygia*.)

M. MURRAYENSIS, Dist.

Melampsalta murrayensis, Dist., Ann. Mag. Nat. Hist. XX., p. 421, 1907.

Melampsalta abbreviata, God. and Frogg. (nec. Walk.), Proc. Linn. Soc. N.S.W., p. 649, 1904.

(Note.—Determined by Goding and Froggatt in the Macleay Museum and National Museum, Melbourne, as *M. abbreviata*, Walk. This latter species has been placed, however, in the genus *Quintilia*, and determined by Distant as *Q. infans*, Walk. This genus may be distinguished by having the upper ulnar veins distinctly separate at base.)

M. LANDSBOROUGH, Dist.

Melampsalta landsboroughi, Dist., Proc. Zool. Soc. Lond., 1882, p. 131, pl. VII., fs. 14a, b; God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 639.

Melampsalta tristrigata, God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 638.

(Note.—Determined by God. and Frogg. in the Macleay Museum and also in the National Museum, Melbourne, as *M. tristrigata*, God. and Frogg. Also determined in the female form in the latter collection by God. and Frogg., as *M. incepta*, Walk. The species is very variable, both in colour and size, especially in the female form.)

M. TORRIDA, Erich.

Cicada torrida, Erich., Arch. I., p. 286, 1842.

Cicada basiflamma, Walk., List. Hom., I., p. 170, 1850.

Cicada connexa, Walk., loc. cit., p. 173.

Cicada damater, Walk., loc. cit., p. 178.

Melampsalta torrida, God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 631.

(Note.—Two specimens, male and female, in the collection determined correctly by Walker; several determined as *M. interruptus*? Walker has also determined a Western Australian species as *Cicada basiflamma*, and Goding and Froggatt have correctly described this as their type of *M. rubricincta*.)

M. RUBRISTRIGATA, God. and Frogg.

Melampsalta rubrigrigata, God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 638.

(Note.—These specimens were sent to me by Mr. G. Lyell, from Horsham. Recorded by Goding and Froggatt from South Australia only.)

M. OXLEYI, Dist.

Melampsalta oxleyi, Dist., Proc. Zool. Soc. Lond., p. 131, 1882
God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 655.

(Note.—This species, so far, has only been recorded from Queensland.)

M. LABYRINTHICA, Walk.

Dundubia labyrinthica, Walk., List Hom., p. 75, 1850.

Melampsalta labyrinthica, Stål., Ofv. Vet. Ak. Förh., p. 484, 1862;
God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 646.

Cicada interstans, Walk., List Hom. Sup., p. 32, 1858.

Melampsalta interstans, Stål., Ofv. Vet. Ak. Förh., p. 484, 1862;
God. and Frogg., Proc. Linn. Soc. N.S.W., 1904, p. 634.

(Note.—One specimen determined as *C. sericea* by Walker. The confusion has arisen through the generally lighter colour of the female. Both sexes are described by Walker under different names.)

GENUS KOBONGA, Dist.

Type *K. umbrimago*, Walk.

K. UMBRIMAGO, Walk.

Cicada umbrimago, Walk., *List Hom. Sup.*, p. 32, 1858.

Melampsalta umbrimago, Stål., *Öfv. Vet. Ak. Förh.*, p. 484, 1862 ;
God. and Frogg., *Proc. Linn. Soc. N.S.W.*, 1904, p. 632.

Kobonga umbrimago, Dist., *Ann. Mag. Nat. Hist.* (7), XVII.,
p. 387, 1906.

(Note.—Sent by Mr. J. A. Leach from Nyah ; the only recorded specimen of the species from outside Western Australia.)

GENUS PAUROPSALTA, God. and Frogg.

Type *P. mneme*, Walk.

P. MNEME, Walk.

Cicada mneme, Walk., *List Hom. I.*, p. 181, 1850.

Cicada antica, Walk., *loc. cit.*, p. 182.

Melampsalta mneme, Stål., *Öfv. Vet. Ak. Förh.* p. 484, 1862.

Pauropsalta leurensis, God. and Frogg., *Proc. Linn. Soc. N.S.W.*,
1904, p. 622.

P. ENCAUSTICA, Germ.

Cicada encaustica, Germ., *Silb. Rev. Ent. II.*, p. 62, 1834.

Cicada arclus, Walk., *List Hom. I.*, p. 184, 1850.

Cicada dolens, Walk., *loc. cit.*, p. 188.

Cicada juvenis, Walk., *loc. cit.*, p. 190.

Pauropsalta encaustica, God. and Frogg., *Proc. Linn. Soc. N.S.W.*,
1904, p. 662.

P. ANNULATA, God. and Frogg.

Pauropsalta annulata, God. and Frogg., *Proc. Linn. Soc. N.S.W.*,
p. 620, 1904.

Pauropsalta encaustica, Dist., *Syn. Cat. Hom. Cicad. I.*, p. 178,
1906 (*nec* God. and Frogg.).

P. DUBIA, God. and Frogg.

Pauropsalta dubia, God. and Frogg., *Proc. Linn. Soc. N.S.W.*,
1904, p. 621.

GENUS URABUNANA, Dist.

Type *U. sericeivitta*, Walk.

U. FESTIVA, Dist.

Urabunana festiva, Dist., *Ann. Mag. Nat. Hist.* (7), XX. p. 423,
1907.

(Note.—Determined by Walker as *Melampsalta puer*, Walk. The genus is, however, distinct in the possession of four apical areas to the wings.)

Division Tettigarctaria.

GENUS, TETTIGARCTA, White.

Type, *T. tomentosa*, White.

T. CRINITA, Dist.

Tettigarcta crinita, Dist., *Proc. Zool. Soc. Lond.*, 1883, p. 188, f. 5a, b, c., pl. XXV.; God. and Frogg., *Proc. Linn. Soc. N.S.W.*, 1904, p. 666, pl. XVIII., figs. 3, a, b.

(Note.—Specimens in the collection also determined as *T. tomentosa*, White, from which species, however, *T. crinita* may be readily distinguished by the absence of the spinous projection on the lateral borders of the pronotum.)

EXPLANATION OF PLATE IV.

I have figured eight species which have not so far been illustrated. Several of these have been the subject of some confusion, especially *Tamasa tristigma*, Erich.

Fig. *b.*—*Melampsalta torrida*, Erich. Victoria.

Fig. *d.*—*Diemeniana coleoptrata*, Walk. Victoria.

Fig. *e.*—*Urabunana festiva*, Dist. Victoria.

Fig. *f.*—*Tamasa tristigma*, Germ. Queensland.

Fig. *g.*—*Abricta aurata*, Walk. Victoria.

Fig. *h.*—*Melampsalta binotata*, God. and Frogg. Victoria.

Fig. *j.*—*Melampsalta rubricincta*, God. and Frogg. Western
Australia.

Fig. *k.*—*Henicopsaltria nubivena*, Walk. Victoria.