

**Notes on Fabrician Species of Cicadellinae
(Homoptera: Cicadellidae) in Copenhagen and Kiel
with Lectotype Designations.¹**

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This is written to stabilize the identities of forty-six taxa in the leafhopper subfamily Cicadellinae in preparation for a revision of the genera of that subfamily by the author. The work was made possible by a leave of absence for research from North Carolina State of the University of North Carolina at Raleigh and financial support from that institution and from the National Science Foundation. Deep gratitude is expressed to Dr. S. L. Tuxen, of the Zoologisk Museum, Copenhagen, Denmark for making available not only the Fabrician collection of his own institution, but also that of the Zoologisches Institut der Universität Kiel, which is deposited in Copenhagen.

The portion of the Fabrician collection in Copenhagen is beautifully curated, with the specimens arranged according to their position in Fabricius' 1803a work (see Literature Cited), and clearly labeled, either on the respective pins or with the labels affixed to the pinning surface in the cases. The portion of the collection from Kiel, although not as well curated, had been rearranged in Kiel.

The taxa are listed alphabetically below. Each name is followed by an abbreviated bibliographic citation. The full bibliographic citation can be found in the section on Literature Cited, where the entries bear the same code numbers as in Metcalf's 1942 Bibliography of the Homoptera. The abbreviated citation

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is followed by the data which identify the specimen chosen as lectotype. The individual labels are separated by the word »and«. The individual lines of each label except the last line, are separated by a semicolon (;).

Lectotypes were selected on the basis of agreement with the original description, the condition of the specimens, the sex of the specimens, and the institution which Fabricius mentioned as keeping the specimens (the Sehestedt and Lund collections in Copenhagen, and where no »Mus.« is mentioned, his own collection). All of the lectotypes designated below have been labeled. Diagnostic characters for the most of the species have been illustrated and will be published in the author's later work.

Cicada acuminatus F. (1794a: 36). There are no specimens in Copenhagen. There are two specimens in Kiel, but neither fits the original description very well. No lectotype is selected.

Fulgora adscendens F. (1794a: 4). In Kiel there are three specimens, of which one is very teneral, another is an abnormal male, and the third a male without a label. The last is selected as lectotype. There are no specimens in Copenhagen.

Cicada adspersa F. (1803a: 61). There are two males in Copenhagen. One of these is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Adspersa; F.«. There is also a male in Kiel.

Cicada albipennis F. (1803a: 62). There are two specimens in Copenhagen. One of these, a male agreeing with the original description, is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Albipennis; F.«. The other specimen does not agree with the original description, in that it lacks cinereous markings. There is also a male in Kiel.

Cicada aurea F. (1803a: 63). The single specimen in Copenhagen is designated lectotype. It is a male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Aurea F.«. It agrees with the original description. There are no specimens in Kiel.

Cicada aurulenta F. (1803a: 71). A male of four specimens in Kiel is designated lectotype. It is without labels, but stands under the specific label in the collection and is conspecific with

a female which bears only the specific name. There are no specimens in Copenhagen.

Cicada bicolor F. (1803a: 65). The male of a pair of specimens in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label and »Type« and »Amer. merid.; Schmidt; Mus. S. e. T. L.«. The wings of the left side of lectotype are missing and there is a hole through the thorax, through which a pin had formerly passed. The specimen agrees fairly well with the original description. There are two additional specimens in Kiel.

Cicada bifasciata F. (1803a: 70). The male of a pair of specimens in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. S. et T. L.«. It agrees with the original description. There is also a single specimen in Kiel.

Cicada canaliculata F. (1803a: 63). The only specimen in Copenhagen is designated lectotype. It is a male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Canalicula; ta F.«. It agrees with the original description, the transverse stripes being obscure (the original description was contradictory about this). There were no specimens in Kiel.

Cicada cardinalis F. (1803a: 71). The only specimen in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Cardinalis; F.«. The abdomen is missing. There is a pair of specimens in Kiel.

Cicada contaminata F. (1803a: 72). The male of a pair of specimens in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. S. et T. L.«. It stands in the collection under the label »contaminata« and with a conspecific female bearing the same name. The genital capsule of the lectotype had been slightly damaged. There is one specimen in Kiel.

Cicada cristata F. (1803a: 62). The only specimen in Kiel is designated lectotype. It is a male with the handwritten label: »cristata«. It agrees with the original description. There are no specimens in Copenhagen.

Cicada cruenta F. (1798a: 521). There are three conspecific specimens in Kiel, a male and two females. The male, without

labels is designated lectotype. The abdomen of the specimen is in glycerine, on a separate pin, having been cleared by Dr. J. T. Medler. The other two specimens each bear the label »cruenta«. There are no specimens in Copenhagen.

Cicada demissa F. (1803a: 73). The single specimen without abdomen, in Copenhagen, is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Demissa; F.«. It agrees with the original description. There are two females, of which one is badly damaged, in Kiel.

Cicada discoidea F. (1803a: 73). There are two specimens in Copenhagen. One of these is badly damaged and without an abdomen. The other, a teneral female, is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Discoidea; F.«. There are no specimens in Kiel.

Cicada exaltata F. (1803a: 73). One of two females in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Exaltata; F.«. It agrees with the original description. There is one specimen in Kiel.

Fulgora fasciata F. (1794a: 4). One of the two female specimens in Kiel is designated lectotype. It bears the label: »fasciata«. It agrees well with the original description. The other specimen is teneral and is without a head. There are no specimens in Copenhagen.

Cicada fastuosa F. (1803a: 70). One of the two female specimens in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Fastuosa; F.«. The specimen agrees with the original description. There are no specimens in Kiel.

Cicada flaveola F. (1803a: 65). The single specimen in Copenhagen is designated lectotype. It is a female with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Flaveola; F.«. It agrees well with the original description. There are no specimens in Kiel.

Cicada histrio F. (1794a: 34). A damaged female in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Patria ign.; Dahl.; Mus.

Seh. et T. L.; Histrio; F.«. It agrees fairly well with the original description. There are no specimens in Kiel.

Cicada laeta F. (1794a: 37). The single specimen in Kiel is designated lectotype. It is a male with labels: »laeta« and »Erythrogonia; laeta (Fabr.); Det. J. T. Medler«. The genitalia are in a small vial of glycerine on a separate pin. The lectotype agrees with the original description. There are no specimens in Copenhagen.

Cicada lateralis F. (1803a: 64). The only specimen in Copenhagen is designated lectotype. It is a female, with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Lateralis; F.«. It agrees with the original description. There is one specimen, with the abdomen missing, in Kiel.

Cicada marginella F. (1794a: 38). One of the two females in Kiel is designated lectotype. It bears the single label: »marginella«. It agrees fairly well with the original description. There are no specimens in Copenhagen.

Cicada marmorata F. (1803a: 61). The only specimen in Copenhagen is designated lectotype. It is a male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Marmorata; F.«. It agrees with the original description.

Cicada micans F. (1803a: 69). The only specimen in Copenhagen is designated lectotype. It is a female with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Micans; F.«. It agrees well with the original description. There are no specimens in Kiel.

Cicada modesta F. (1803a: 70). The only specimen in Copenhagen is designated lectotype. It is a teneral female with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Modesta; F.«. It agrees with the original description. There are no specimens in Kiel.

Cicada moesta F. (1803a: 74). The only specimen in Copenhagen is designated lectotype. It is a male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Moesta; F.«. It agrees well with the original description. There is a single specimen in Kiel.

Cicada myopa F. (1794a: 33). One of two specimens in Kiel is designated lectotype. It is a male with the label: »myopa«.

It agrees well with the original description. There are no specimens in Copenhagen.

Cicada obtusa F. (1803a: 62). The only specimen in Kiel is designated lectotype. It is a male with the label: »obtusa«. Dr. Heinz Schröder had previously studied this specimen. There are no specimens in Copenhagen.

Cicada orbona F. (1798a: 520). The only specimen in Kiel is designated lectotype. It is a male with the label: »orbona«. It agrees with the original description. Dr. Heinz Schröder had previously studied this specimen. There are no specimens in Copenhagen.

Fulgora pallipes F. (1794a: 5). The only specimen in Kiel is designated lectotype. It is a male with the label: »pallipes«. It agrees well with the original description. There are no specimens in Copenhagen.

Cicada pauperata F. (1803a: 71). One of two male specimens in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Pauperata; F.«. It agrees with the original description.

Fulgora plana F. (1794a: 5). There is a single, badly damaged, teneral specimen in Kiel. It bears no labels, but stands with a pin bearing a forewing and the label: »plana«. Both forewings of the teneral specimen are present. No lectotype is designated at this time.

Cicada pudica F. (1803a: 65). One of two specimens in Copenhagen is without an abdomen. The other is designated lectotype. It is a female with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Pudica; F.«. The lectotype agrees well with the original description. There is a single female specimen in Kiel.

Cicada pulchra F. (1803a: 69). The only specimen in Copenhagen is designated lectotype. It is a female with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Pulchra; F.«. It agrees well with the original description, except that the fuscous markings described for the thorax are very indistinct. There are no specimens in Kiel.

Cicada pustulata F. (1803a: 64 and emendanda). There is a single specimen with the abdomen missing in Copenhagen. It

has a white plaque on the forewing and hence is presumably a female. It is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Punctata F.«. It doesn't agree very well with the original description especially with the description of the lower surface of the head (there being nothing to correspond with »maculis quattuor atris«). There are no specimens in Kiel.

Cicada quadriguttata F. (1794a: 38). The only specimen in Kiel is designated lectotype. It is a moulded female with the label: »4 gutta; ta«. The seventh sternum is damaged. It agrees with the original description, except that the posterior, instead of the anterior margin of the thorax is rufous. There are no specimens in Copenhagen.

Cicada rufipes F. (1803a: 68). A single specimen without abdomen in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Rufipes; F.«. It agrees well with the original description. There are no specimens in Kiel.

Cicada rutilans F. (1803a: 64). The single specimen in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Rutilans; F.«. It agrees fairly well with the original description if one translates »rostrum« to »head«. There are no specimens in Kiel.

Cicada sanguinolenta F. (1803a: 67). One of two females in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Sanguinolen-; ta F.«. The lectotype agrees fairly well with the original description. The other female in Copenhagen apparently belongs to another species.

Cicada sexguttata F. (1803a: 75). The only specimen in Copenhagen is designated lectotype. It is male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Sexguttata; F.« and »Erythrogonia; sexguttata (Fabr.); Det J. T. Medler«. The abdomen and genitalia are in a vial of glycerine on a separate pin. The specimen agrees well with the original description. There are no specimens in Kiel.

Cicada suturalis F. (1803a: 72). The only specimen in Copen-

hagen is designated lectotype. It is without abdomen and bears labels: (a small, green, square, blank label) and »Type« and »Patria ign; Dahl; Mus. Seh. et T. L.; Suturalis; F.«. It is completely dull yellowish except for a pair of dark spots, one on each lateral margin of the scutellum before midlength and dark commissures of forewings. There could have been markings on the scutellar disc also, but if so these were eliminated formerly by a pin. The dark spots of the crown mentioned by Fabricius in the original description are ocelli. There are no specimens in Kiel.

Cicada triangularis F. (1803a: 63). A male of two specimens in Copenhagen is designated lectotype. It bears labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. S. et T. L.« and »Homalodisca; triangularis (F.); Heinz Schröder det. 1956«. It agrees with the original description except that there are no red marginal spots (these are not present in any of the other specimens in the type series, either). There are also two specimens in Kiel.

Cicada triquetra F. (1803a: 63). The only specimen in Copenhagen is designated lectotype. It is a male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; and Mus. Seh. et T. L.; Triquetra; F.«. Dr. Heinz Schröder had studied the specimen, but had not labeled it. His illustration of the aedeagus in ventral aspect is accurate. The specimen agrees well with the original description. There are no specimens in Kiel.

Cicada tristis F. (1803a: 74). One of the two specimens in Copenhagen is designated lectotype. It is a male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Tristis; F.«. It agrees well with the original description except that there are only two fuscous lines on the face. There are two specimens in Kiel.

Cicada unifasciata F. (1803a: 72). One of the two specimens in Copenhagen is designated lectotype. It is a female with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Unifasciata; F.«. It does not agree very well with the original description, but is probably the specimen described. The other specimen in Copenhagen is also a female. There are no specimens in Kiel.

Cicada vespiformis F. (1803a: 68). The only specimen in

Copenhagen is designated lectotype. It is a female with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. et T. L.; Vespiformis; F.« It agrees well with the original description. There are no specimens in Kiel.

Cicada virginea F. (1803a: 66). There are two specimens in Copenhagen, one with the abdomen missing. The other is designated lectotype. It is a male with labels: (a small, green, square, blank label) and »Type« and »Amer. merid.; Schmidt; Mus. Seh. & T. L.« It agrees fairly well with the original description. There are no specimens in Kiel.

Literature Cited.

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