

Check List  
of the  
Cicadellidae (Homoptera)  
of  
America, North of Mexico

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*and*  
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## INTRODUCTION

**I**N 1937 a list of the North American Cicadellidae was prepared and published by DeLong and Caldwell. This was the first attempt to bring together the species of this group after the publication of the Van Duzee catalogue in 1917. The list as presented at this time is a revision of the list as published in 1937 which contained 145 genera and some 1800 species. The present list contains 175 genera and 2276 species, varieties, and subspecies occurring north of Mexico. Those species previously listed which occur only in Mexico have been omitted. Recent generic revisions and other work upon synonymy have been used in an attempt to arrange these species and genera more adequately in accordance with their structural characters.

As in the previous list synonymy of the Van Duzee catalogue has not been repeated, but recent synonymy has been indicated as far as possible by indenting and printing in italics the name placed in synonymy. Previous errors and omissions have been corrected and all described genera and species added to May, 1945.

Frequently a reference to the original description is desirable and as a consequence the authors have deemed it advisable to include such a reference in concise form after the name of each species. Publications are cited by number in order to save repetition in wording in names of journals, proceedings, and similar publications. The first number in the bibliography citation refers to the name of the publication, an alphabetically arranged list of which is serially numbered and placed at the rear of the list of species (see p. 89). This number is followed in sequence by number of volume, occasionally the number of the issue in parentheses, page number, and year when published. A colon is used between the volume and page numbers. For example, the reference 39, 25:789, 1932, indicates the species was described in the *Annals of the Entomological Society of America*, volume 25, page 789, in the year 1932.

It is apparent that the previous list has been used for the most part by persons who are not specialists in this group. For that reason the species under each genus have been alphabetized so as to render this list more useful for their work. Under this arrangement it has seemed desirable to use subgeneric or other groups in several genera.

The genotype is cited below the generic name according to its original designation, and the original genus under which a species was described is placed in parentheses after the citation in case the species has been placed in another genus.

An asterisk placed before a name indicates a new combination or arrangement not previously published.

Often it is desirable to refer to the generic treatment as well as the original description of a species. In view of this fact a list of many of the more recent generic papers have been cited, arranged according to the sequence of genera in the species list (see p. 93).

For assistance in collecting and checking references and arranging in the present form, special acknowledgment and appreciation are extended to Mildred C. Knopf and Ethel Melsheimer Miller.

## CHECK LIST





II

ARRANGEMENT OF SUBFAMILIES AND GENERA

PAROPINAE	EVACANTHINAE
Koebelia	Evacanthus
Brenda	GYPONINAE
Tiaja	Penthimia
EURYMELINAE	Dragonana
Idiocerus	Gypona
MACROPSINAE	Gyponana
Macropsis	Acusana
Nionia	Rugosana
Oncopsis	Prairiana
AGALLIINAE	Hamana
Agalliopsis	Ponana
Agallia	Bulbana
Aceratagallia	Margana
Ceratagallia	Polana
Ionia	LEDRINAE
BYTHOSCOPINAE	Xerophloea
Pachyopsis	DORYDIINAE
Stragania	Dorycephalus
TETTIGONIELLIDAE	Neoslossonia
Aulacizes	Hecalus
Cuerna	Spangbergiella
Oncometopia	Parabolocratus
Homalodisca	Dorydiella
Ciminus	Dicyphonia
Kolla	Cochlorhinus
Hortensia	Calonia
Helochara	Huleria
Carneocephala	Penchuleria
Graphocephala	APHRODINAE
Plesiommata	Stroggylocephalus
Draeculacephala	Aphrodes
Neokolla	Memnonia
Sibovia	Xestocephalus
Pagaronia	ATHYSANINAE
Friscanus	Twiningia
Errhomus	Sanctanus
Thatuna	Scaphoideus
Lystridea	Lonenus

Osbornellus	Ollarianus
Prescottia	Norvellina
Platymetopius	Menosoma
Japananus	Spathanus
Scaphytopius	Omanana
Cloanthanus	Orientus
Tumeus	Dixianus
Hebenarus	Iowanus
Acurhinus	Texanus
Flexamia	Paraphlepsius
Alapus	Tropicanus
Secopennis	Josanus
Latalus	Fieberiella
Palus	Acinopterus
Polyamia	Idiodonus
Hebecephalus	Colladonus
Laevcephalus	Gloridonus
Amplicephalus	Friscananus
Deltocephalus	Doleranus
Unerus	Atanus
Unoka	Allygus
Lonatura	Allygianus
Amblysellus	Pasadenus
Gillettiella	Ballana
Amphipyga	Thamnotettix
Athysanella	Brazosa
Pectinopyga	Cicadula
Brachydella	Paluda
Pedumella	Elymana
Kinonia	Arundanus
Gladionura	Graminella
Driotura	Calanana
Doratula	Knollana
Athysanus	Chlorotettix
Exitianus	Baldulus
Limotettix	Davisonia
Euscelis	Sonronius
Ophiola	Macrosteles
Commellus	
Stirellus	JASSINAE
Penestirellus	Jassus
Remadosus	Neocoelidia
Aligia	Paracoelidia
Mesamia	Tinobregmus
Bandara	BALCLUTHINAE
Opsius	Balclutha
Eutettix	Nesosteles

## CICADELLINAE

Protalebra	Idona
Alebra	Joruma
Dikrancuroidea	Cicadella
Dikraneura	Typhlocyba
Forcipata	Typhlocybella
Alconeura	Hymetta
Empoasca	Erythroneura

## SUBFAMILY PAROPINAE (DOHRN), 30, p. 83, 1859

KOEBELIA Baker, 101, 8:76, 1897

*Koebelia californica* Baker

*californica* Baker. Calif. 101, 8:76, 1897.

*coronata* Ball. Calif. 19, 41:185, 1909.

*grossa* Ball. Calif. 19, 41:186, 1909.

*irrorata* Ball. Ariz., Calif. 19, 41:185, 1909.

BRENDA Oman, 132, 31:205, 1941

*Paropulopa arborea* Ball

*arborea* (Ball). Calif. 19, 41:184, 1909 (*Paropulopa*).

TIAJA Oman, 132, 31:207, 1941

*Paropulopa californica* Ball

*californica* (Ball). Calif. 19, 41:184, 1909 (*Paropulopa*).

*friscana* (Ball). Calif. 19, 41:183, 1909 (*Paropulopa*).

*interrupta* (Ball). Calif. 19, 34:21, 1902 (*Paropulopa*).

*montara* Oman. Calif. 132, 31:210, 1941.

*ventura* Oman. Calif. 132, 31:209, 1941.

## SUBFAMILY EURYMELINAE KIRKALDY, 62, 1:350, 1906

IDIOCERUS Lewis, 40, 1:47, 1836

*Idiocerus stigmatalis* Lewis

*alternatus* Fitch. Eastern states and Calif., Colo., Utah. 52, p. 59, 1851.

*amabilis* Ball. Br. Col., Calif., Colo. 19, 34:306, 1902.

*amoenus* Van Duzee. Calif., Colo. 19, 26:89, 1894.

var. *depictus* Ball. Calif. 19, 34:313, 1902.

var. *pictus* Van Duzee. Calif. 17, 7:289, 1917.

*borealis* DeLong and Caldwell. Wis. 91, 37:161, 1937.

*brunneus* Osborn. Iowa, Nebr. 27, 7:72-73, 1898.

*caliginosus* DeLong and Caldwell. Texas. 91, 37:164, 1937.

- chisosus DeLong and Caldwell. Ariz., Texas. 91, 37:164, 1937.  
 cinctus DeLong and Caldwell. Idaho, Oregon. 91, 37:163, 1937.  
 cognatus Fieber. N. Y., Pa. 130, 18:455, 1868.  
 concinnus Ball. Calif., Vanc. Is. 19, 34:306, 1902.  
 crataegi Van Duzee. Colo., eastern Ia., Mo. 19, 22:110, 1890.  
 distinctus Gillette and Baker. Colo. 22, 31:75, 1895.  
 dolosus Ball. Colo. 19, 34:304, 1902.  
 duzei Provancher. Eastern states and Colo., Kans. 100, 3:292, 1890.  
 ensiger Ball. Calif., Colo. 19, 34:308, 1902.  
 femoratus Ball. Calif., Colo. 19, 34:307, 1902.  
 fitchi Van Duzee. Eastern states and Iowa. 19, 41:383, 1909.  
     *maculipennis* Fitch. 52, p. 59, 1851 (homonym).  
 formosus Ball. Calif., Colo., N. H. 19, 34:305, 1902.  
 lachrymalis Fitch. Eastern states and Colo., N. Mex. 52, p. 58, 1851.  
 levis DeLong and Caldwell. Maine. 91, 37:161, 1937.  
 mimicus Gillette and Baker. Colo. 22, 31:76, 1895.  
 moniliferae Osborn and Ball. Ia., Kans. 27, 7:71, 1898.  
 morosus Ball. Colo. 19, 34:309, 1902.  
 musteus Ball. Calif., Vanc. Is. 19, 34:308, 1902.  
 nervatus Van Duzee. Eastern states and Ariz., Calif., Colo., Ia., Kans., Mo.  
     15, 5:205, 1894.  
 nigrens DeLong and Caldwell. Wash. 91, 37:163, 1937.  
 obstinatus Ball. Ariz. 19, 34:310, 1902.  
 pallidus Fitch. Eastern states and Calif., Colo., Iowa, Kans. 52, p. 59, 1851.  
 productus Gillette and Baker. Colo., N. H. 22, 31:78, 1895.  
 provancheri Van Duzee. Br. Col., Colo., Ia. 19, 22:111, 1890.  
 pyramidatus DeLong and Caldwell. Ariz., Tex. 91, 37:162, 1937.  
 ramentosus (Uhler). Ariz., Colo., Ia., Neb., Vanc. Is. 127, 3:465, 1877  
     (*Bythoscopus*).  
 rotundens DeLong and Caldwell. Wis. 91, 37:162, 1937.  
 rufus Gillette and Baker. Colo. 22, 31:80, 1895.  
     var. *cingulatus* Ball. Colo. 19, 34:312, 1902.  
 scurra (Germar). N. Y. 57, 17:11, 1834 (*Jassus*).  
 snowi Gillette and Baker. Calif., Colo., Kans., Mo., N. Y., Ohio, Utah.  
     22, 31:79, 1895.  
 solus DeLong and Caldwell. Pa., Tenn. 91, 37:161, 1937.  
 stellaris DeLong and Caldwell. N. Y., Pa. 91, 37:162, 1937.  
 striolus Fieber. Alaska. 130, 18:453, 1868.  
 submitens Sanders and DeLong. Wis. 39, 10:82, 1917.  
 suturalis Fitch. Colo., Kans., Maine, Manitoba, Mich., N. H., N. Y., Ohio.  
     52, p. 59, 1851.  
     var. *lunaris* Ball. Eastern and Colo., Kans., Manitoba, N. Mex.  
         19, 34:311, 1902.  
     var. *continuus* Ball. Eastern and Colo., Kans. 19, 34:312, 1902.  
     var. *vagus* Ball. Eastern and Colo., Kans. 19, 34:312, 1902.  
 taxodii DeLong. Fla. 87, 32:63, 1924.  
 tenuens DeLong and Caldwell. Nev. 91, 37:163, 1937.  
 verrucosus Ball. Calif., Colo. 19, 34:309, 1902.

## SUBFAMILY MACROPSINAE EVANS, 1907, 1935:63, 1936

## MACROPSIS Lewis, 40, 1:49, 1836

*Cicada virescens* Gmelin

- aurifera Breakey. Idaho. 39, 25:817, 1932.  
 basalis (Van Duzee). Br. Col., Calif., Colo., Idaho, Iowa, Minn., Ont., Utah,  
 Wis. 36, 5:171, 1889 (*Pediopsis*).  
 bicolor (Osborn). Colo., Me., Mass., Ohio. 78, 238:90, 1915 (*Pediopsis*).  
 bifasciata (Van Duzee). Colo., Ia., Me., Minn., N. Y., Ont., Pa., Que.,  
 S. D., Wis. 36, 5:173, 1889 (*Pediopsis*).  
 breakeiana Knull. Tex. 39, 37:123, 1944.  
*breakeyi* Knull. 39, 33:371, 1940 (homonym).  
 canadensis (Van Duzee). Br. Col., Calif., Colo., Idaho, Me., Mich., Minn.,  
 N. Mex., N. Y., Ont., Que., Utah. 19, 22:111, 1890 (*Pediopsis*).  
*flavescens* (Van Duzee). 36, 5:173, 1889 (*Pediopsis*), (homonym).  
 cinerea Breakey. Ohio. 39, 25:816, 1932.  
 confusa Breakey. Me., N. Y., Pa., Wis. 39, 25:827, 1932.  
 davisi Knull. Texas. 39, 33:372, 1940.  
 delongi Breakey. Idaho. 39, 25:816, 1932.  
 erythrocephala (Gillette and Baker). Calif., Colo., Ill., Ind., Ia., Kans.,  
 Minn., Nebr., N. Mex., Ohio, Wis. 22, 31:72, 1895 (*Pediopsis*).  
 ferrugineoides (Van Duzee). Colo., Ind., Ia., Kans., Me., Minn., Mont.,  
 Nebr., N. Mex., Ohio, S. D. 36, 5:171, 1889 (*Pediopsis*).  
 fumipennis (Gillette and Baker). Colo., Ky., Mont., Ohio. 22, 31:73, 1895  
 (*Pediopsis*).  
*crocea* (Osborn and Ball). 27, 7:68, 1898 (*Pediopsis*).  
 gerhardi Breakey. Ariz. 39, 25:796, 1932.  
 gleditschiae (Osborn and Ball). Idaho, Ia., Kans., La., Mo., Nebr., Pa.,  
 Tenn. 27, 7:67, 1898 (*Pediopsis*).  
 hesperia Breakey. Idaho, N. Mex. 39, 25:805, 1932.  
 insignis (Van Duzee). Colo., Ia., Kans., Minn., N. Y., Ohio, Ont., Pa.,  
 S. D., Wis. 36, 5:171, 1889 (*Pediopsis*).  
 nigricans Van Duzee. Colo., Ill., Ia., Neb., Ohio, S. D. 129, p. 64, 1916.  
 nubila (Van Duzee). Calif. 36, 6:37, 1890 (*Pediopsis*).  
 occidentalis (Van Duzee). Calif., Nev. 101, 5:238, 1889 (*Pediopsis*).  
 osborni Breakey. Colo., Ill., Ia., Kans., Minn., Ohio, S. D. 39, 25:817, 1932.  
 pallida Breakey. Calif., Idaho, Utah. 39, 25:815, 1932.  
 punctifrons (Van Duzee). Ariz. 36, 5:174, 1889 (*Pediopsis*).  
 quadrimaculata Breakey. Nebr., N. D., S. D. 39, 25:832, 1932.  
 reversalis (Osborn and Ball). Ia., N. Y., Ohio, Pa. 27, 7:69, 123, 1898  
 (*Pediopsis*).  
 robusta Breakey. Me., N. Y., Ont., Pa. 39, 25:823, 1932.  
 rufoccephala Osborn. Calif., Colo., Idaho, Mass., Ohio, Wis. 91, 32:513, 1932.  
*scutellatus* Osborn. 90, 3:218, 1928 (homonym).  
 sordida (Van Duzee). Colo., Conn., Idaho, Mass., N. J., Pa. 19, 26:89, 1894  
 (*Pediopsis*).  
 suturalis (Osborn and Ball). Ia., Kans., Me., Minn., N. Y., Ohio, Pa., Wis.  
 27, 7:67, 119, 1898 (*Pediopsis*).

- trimaculata (Fitch). Colo., Ill., Ia., Kans., Minn., Wis. 52, p. 60, 1851  
(*Pediopsis*).
- tristis (Van Duzee). Colo., Ill., Ia., Kans., Mo., Ohio, Pa. 19, 22:249, 1890  
(*Pediopsis*).
- trivialis (Ball). Colo., Ill., Kans., Md., Mich., Ohio, Okla., Pa., S. D., Wis.  
19, 34:304, 1902 (*Pediopsis*).
- ulmi (Scott). D. C., Pa. 44, 10:129, 1873 (*Pediopsis*).
- virescens (Gmelin). Me., Mass., N. Y., Pa., Wis. 75, edn. 13, pt. 4, p. 2111,  
1788 (*Cicada*).
- var. graminea (Fabricius). N. Y., Pa., Wis. 45, Suppl. p. 521, 1798  
(*Cicada*).
- var. latifasciata Breakey. N. Y., Ont., Pa. 39, 25:800, 1932.
- viridis (Fitch). Colo., Ill., Ind., Ia., Kans., Minn., Mo., N. Y., Ohio, Ont.,  
Ore., Pa., Utah, Wis. 52, p. 59, 1851 (*Pediopsis*).

NIONIA Ball, 4, 28:165, 1915

*Goniagnathus palmeri* Van Duzee

- palmeri (Van Duzee). Southeastern states only. 19, 23:171, 1891  
(*Goniagnathus*).

ONCOPSIS Burmeister, 16, 1:27, pl. 10, 1838

*Cicada flavicollis* Linnaeus

- abietis (Fitch). N. Y. 52, p. 60, 1851 (*Athysanus*).
- californicus Van Duzee. Calif. 17, 7:291, 1917.
- cognatus (Van Duzee). Maine, Manitoba, N. H., N. Y., Ont., Que.  
36, 6:225, 1890 (*Bythoscopus*).
- coloradensis (Baker). Br. Col., Calif., Colo., Me., Mass., N. H., N. J.,  
N. Y., N. C., Ont., Pa., Que. 101, 8:198, 1898 (*Bythoscopus*).
- fagi (Fitch). N. Y. 52, p. 61, 1851 (*Athysanus*).
- fitchi Van Duzee. Colo., Me., Mass., N. H., N. J., N. Y., N. C., Ont., Pa.,  
Que. 129, p. 65, 1916.
- fenestratus* (Fitch). Eastern and Colo. 52, p. 60, 1851 (homonym),  
(*Athysanus*).
- flavescens (Provancher). Me., Md., N. J., N. Y., N. C., Ont., Pa., Que.  
86, 4:376, 1872 (*Pediopsis*).
- flavidorsum (Amyot and Serville). Pa. 7, p. 579, pl. 11, fig. 2, 1843  
(*Zinneca*).
- minor (Fitch). Eastern states and Ont., Que. 52, p. 60, 1851 (*Athysanus*).  
*ocellatus* (Provancher). 86, 4:377, 1872 (*Macropsis*).
- nigrinasi (Fitch). Eastern states. 52, p. 61, 1851 (*Athysanus*).
- pruni (Provancher). Eastern and Br. Col., Calif., Colo., Sask. 100, 3:290,  
1890 (*Bythoscopus*).
- sobrius (Walker). Me., N. H., N. Y., Ont., Que. 131, 3:874, 1851  
(*Bythoscopus*).
- truncatus (Baker). Mich. 101, 8:198, 1898 (*Bythoscopus*).
- tumidifrons DeLong. Conn. 32, 34:70, 1923.

- variabilis (Fitch). Eastern and Br. Col., Calif., Colo. 52, p. 60, 1851  
(*Athysanus*).  
\*verticis (Say). Colo., Ia., Me., Mo., Tenn. 1, 6:308, 1831 (*Jassus*).  
*distinctus* (Van Duzee). Eastern and Kan., Mo. 36, 6:224, 1890  
(*Bythoscopus*).

## SUBFAMILY AGALLIINAE, 61, 1:345, 1906

## AGALLIOPSIS Kirkaldy. 62, 3:31, 1907

*Jassus novella* Say

- cervina Oman. Ariz., Fla., Kans., Tex. 126, 372:16, 1933.  
cincta Oman. Fla. 126, 372:14, 1933.  
dubiosa Oman. Ariz. 126, 372:18, 1933.  
exilis Oman. Colo. 126, 372:21, 1933.  
florida Oman. Fla. 71, 8:10, 1935.  
fuscognata Oman. Ariz. 126, 372:15, 1933.  
huachucae Oman. Ariz. 126, 372:14, 1933.  
minor Oman. Ariz. 126, 372:16, 1933.  
novella (Say). Eastern states. 1, 6:309, 1831 (*Jassus*).  
*nobilis* (Forbes). 66, p. 22, 1885 (*Macropsis*).  
novellina Oman. Ariz., Idaho, N. Mex., Ore., Utah. 71, 8:12, 1935.  
oculata (Van Duzee). Calif. 36, 6:38, 1890 (*Agallia*).  
peneoculata Oman. Conn., Mich., N. Y. 126, 372:17, 1933.  
saxosa Ball. Ariz. 39, 29:649, 1936.  
variabilis Oman. Ariz., Calif., Colo., Utah. 126, 372:22, 1933.  
vellana Ball. Fla. 39, 29:649, 1936.

## AGALLIA Curtis, 37, 1:193, 1833

*Agallia consobrina* Curtis = (*Jassus puncticeps* Germar)

- albidula Uhler. Brazil, Cuba, Is. of Pines, Jamaica, Me., Puerto Rico, Trini-  
dad. 136, 6:83, 1895.  
*basiflava* Van Duzee. 15, 8:55, 1907.  
atra Oman. Ariz. 39, 27:454, 1934.  
bidactylata Oman. Ariz. 126, 372:42, 1933.  
constricta Van Duzee. Southeastern states, Ill., Ind., Ia., Nebr., Ohio, Okla.,  
Tex. 19, 26:90, 1894.  
deleta Van Duzee. Fla., Ga., Mass., N. J., N. Y., S. C., Va. 15, 9:210, 1909.  
*immaculata* Lathrop. 91, 17:120, 1917.  
excavata Oman. Ariz., N. Mex. 126, 372:41, 1933.  
lingula Van Duzee. Canal Zone, Honduras, Jamaica, La., Mex., Salvador,  
Tex. 15, 8:54, 1907.  
lingulata Olsen. Fla., Md., N. J., N. Y. 13, 17:127, 1922.  
obesa Oman. Ala., La., Miss. 126, 372:40, 1933.

\* An asterisk placed before a name indicates a new combination or arrangement not previously published.

quadripunctata (Provancher). Br. Col., Calif., Canada, Colo., Idaho, Northeastern states, Ore., S. D., Vanc. 86, 4:376, 1872 (*Bythoscopus*).  
*canadensis* (Van Duzee). 3, 19:301, 1892 (*Ulopa*).

## ACERATAGALLIA Kirkaldy, 62, 3:11, 20, 1907

*Bythoscopus sanguinolentus* Provancher

abrupta Oman. Ariz. 126, 372:52, 1933.  
 accola Oman. D. C., Md. 126, 372:57, 1933.  
 arida Oman. Colo., Idaho, Mont., Texas, Utah. 126, 372:64, 1933.  
 calcaris Oman. Ariz., Colo., Kans., N. Mex., Tex. 126, 372:50, 1933.  
 californica (Baker). Calif., Oregon. 101, 8:199, 1898 (*Agallia*).  
 cinerea (Osborn and Ball). Colo., Utah. 27, 7:62, 1898 (*Agallia*).  
 compacta Oman. Calif. 126, 372:51, 1933.  
 curta Oman. Ariz. 126, 372:64, 1933.  
 curvata Oman. Calif., Nev., Ore., Utah. 126, 372:61, 1933.  
 fuscscripta Oman. Br. Col., Colo., Idaho, Mont., Ore., Wash., Wyo. 126, 372:61, 1933.  
 gillettei (Osborn and Ball). Ariz., Fla., Mex., Texas. 27, 7:60, 1898 (*Agallia*).  
 helveola Oman. Calif., Nevada. 126, 372:54, 1933.  
 humilis Oman. Ala., Kans. 126, 372:49, 1933.  
 inconspicua (Baker). Ariz., Calif., Nev. 101, 8:198, 1898 (*Agallia*).  
 lyrata (Baker). Calif., Nev., Ore., Utah. 101, 8:199, 1898 (*Agallia*).  
 nana Oman. Ariz. 126, 372:55, 1933.  
 nanella Oman. Ariz. 126, 372:56, 1933.  
 nitidula Oman. Ariz. 126, 372:52, 1933.  
 obscura Oman. Calif., Ore. 126, 372:63, 1933.  
 pallida Oman. Ariz., Nevada, Utah. 126, 372:53, 1933.  
 poudris Oman. Colo. 126, 372:57, 1933.  
 robusta Oman. Ariz., Nevada. 126, 372:48, 1933.  
 sanguinolenta (Provancher). Canada and Eastern states to Ariz., Utah. 86, 4:376, 1872 (*Bythoscopus*).  
*siccifolius* (Uhler). 127, p. 359, 1876 (*Bythoscopus*).  
 sordida Oman. Honduras, Mexico, Texas. 126, 372:58, 1933.  
 texana Oman. Tex. 126, 372:51, 1933.  
 truncata Oman. Calif. 71, 8:13, 1935.  
 uhleri (Van Duzee). Colo., Kans. 19, 26:91, 1894 (*Agallia*).  
 vulgaris Oman. Eastern and Colo., Miss. Valley, Tex. 126, 372:60, 1933.

## CERATAGALLIA Kirkaldy, 62, 4:61, 1907

*Agallia bigeloviae* Baker

aplopappi (Oman). Ariz., N. Mex. 126, 372:67, 1933 (*Aceratagallia*).  
 arroya Oman. Calif. 132, 29:540, 1939.  
 artemisia Oman. Idaho, Utah. 132, 29:534, 1939.  
 bigeloviae (Baker). Ariz., Colo., Kans., Idaho, N. Mex., Tex., Utah. 101, 7 Suppl. 12:26, 1896 (*Agallia*).



- califa Oman. Calif. 132, 29:541, 1939.  
 canona Oman. Calif. 132, 29:539, 1939.  
 delta Oman. Calif. 132, 29:538, 1939.  
 dondia (Oman). Ariz., Calif., Colo., Nev., Utah. 126, 372:68, 1933  
 (*Aceratagallia*).  
 grisea (Oman). Ariz. 71, 8:13, 1935 (*Aceratagallia*).  
 lobata (Oman). Ariz., Calif., Nev., Utah. 126, 372:67, 1933 (*Aceratagallia*).  
 loca Oman. Calif. 132, 29:534, 1939.  
 loma Oman. Calif. 132, 29:542, 1939.  
 longipes Oman. Calif. 132, 29:537, 1939.  
 ludora Oman. Calif. 132, 29:539, 1939.  
 lupini Oman. Calif. 132, 29:543, 1939.  
 neodona Oman. Nevada. 132, 29:541, 1939.  
 neovata Oman. Calif. 132, 29:537, 1939.  
 nubila Oman. Ariz. 132, 29:533, 1939.  
 ovata (Oman). Ariz., Calif., 71, 8:14, 1935 (*Aceratagallia*).  
 pera Oman. Calif. 132, 29:541, 1939.  
 pudica Oman. Ariz. 132, 29:534, 1939.  
 sociala Oman. Calif. 132, 29:536, 1939.  
 tergata (Van Duzee). Ariz., Lower Calif. 17, 12:172, 1923 (*Agallia*).  
 tristis Oman. Calif. 132, 29:540, 1939.  
 vastitatis (Oman). Ariz., Nev., Utah. 126, 372:69, 1933 (*Aceratagallia*).

IONIA Ball, 13, 28:225, 1933

*Ionia triunata* Ball

triunata Ball. Ariz. 13, 28:226, 1933.

SUBFAMILY BYTHOSCOPIINAE DOHRN, 30, p. 84, 1859

PACHYOPSIS Uhler, 127, Art. xiv, 3:466, 1877

*Pachyopsis laetus* Uhler

- laetus Uhler. Colo., N. Mex. 127, Art. xiv, 3:466, 1877.  
*idiocerooides* (Baker). 101, 9:55, 1900 (*Macropsis*).  
 var. *paetus* (Ball). 101, 9:130, 1900 (*Macropsis*).

STRAGANIA Staal, 118, 2:49, 1862

*Gypona (Stragania) ornatula* Staal

- acutistylata Beamer and Lawson. Calif. 71, 18:55, 1945.  
 subsp. *gibbosa* Beamer and Lawson. 71, 18:55, 1945.  
 alboscuteolata Beamer and Lawson. Calif. 71, 18:62, 1945.  
 atra (Baker). Calif. 101, 9:56, 1900 (*Macropsis*).  
 bisignata (Ball). Colo. 19, 34:303, 1902 (*Macropsis*).  
 californica (Baker). Calif., Colo. 101, 9:57, 1900 (*Macropsis*).  
 franciscana (Baker). Calif. 68, 1:12, 1903 (*Macropsis*).  
 grandis (Ball). Ariz., Colo., Ut. 19, 41:186, 1909 (*Macropsis*).

hyalina Beamer and Lawson. Calif. 71, 18:60, 1945.  
 longistylata Beamer and Lawson. Calif. 71, 18:56, 1945.  
 magna (Baker). Calif. 71, 18:64, 1945 (*Macropsis*).  
 major Beamer and Lawson. Calif. 71, 18:57, 1945.  
 marginata Beamer and Lawson. Calif. 71, 18:54, 1945.  
 oregonensis Beamer and Lawson. Oregon. 71, 18:57, 1945.  
 pruinosa Beamer and Lawson. Calif. 71, 18:58, 1945.  
 rubra Beamer and Lawson. Calif. 71, 18:56, 1945.  
 rufoscutellata (Baker). Calif. 101, 9:58, 1900 (*Macropsis*).  
 turgida Beamer and Lawson. Calif. 71, 18:66, 1945.

SUBGENUS PENESTRAGANIA BEAMER and LAWSON, 71, 18:54, 1945

*Pachyopsis robustus* Uhler, 127, 3:467, 1877

alabamensis (Baker). Ala., Ia., Kans., Mo., Nebr., Tenn. 101, 9:58, 1900  
 (*Macropsis*).  
 apicalis (Osborn and Ball). Ala., Colo., Ia., Kans., Nebr., O., Tenn.  
 27, 7:64, 1898 (*Macropsis*).  
 robusta (Uhler). Ala., Ariz., Calif., Colo., Fla., La., N. M., Tex. 127, 3:467,  
 1877 (*Pachyopsis*).

\*SUBFAMILY TETTIGONIELLIDAE JACOBI, 137, 19:778, 1904

AULACIZES Amyot and Serville, 7, p. 571, 1843

*Tettigonia quadripunctata* Germar

irrorata (Fabricius). Eastern and Mo., Texas. 45, 4:33, 1794 (*Cicada*).  
 pollinosa Fowler. Fla. 10, 2:218, 1899.

CUERNA Melichar, 84, 21:199, 1924

*Cercopis lateralis* Fabricius

alba Oman and Beamer. N. Mex. 71, 17:126, 1944.  
 alpina Oman and Beamer. Colo., Kans., Mont., N. M. 71, 17:124, 1944.  
 alta Oman and Beamer. N. Mex. 71, 17:123, 1944.  
 arida Oman and Beamer. Ariz. 71, 17:125, 1944.  
 balli Oman and Beamer. Ariz. 71, 17:122, 1944.  
 curvata Oman and Beamer. Calif. 71, 17:127, 1944.  
 dixiana Oman and Beamer. Nev., Utah. 71, 17:128, 1944.  
 gladiola Oman and Beamer. Ore. 71, 17:124, 1944.  
 lateralis (Fabricius). Eastern and Ariz., Br. Col., Calif., Colo., Kans., N.  
 Mex., Utah. 45, p. 524, 1798 (*Cicada*).  
 limbata (Say). Calif., Colo., Dak., Ia., Mich., Mo. 1, 4:340, 1825  
 (*Tettigonia*).  
 obesa Oman and Beamer. N. Mex., Tex. 71, 17:123, 1944.  
 obtusa Oman and Beamer. Ariz. 71, 17:120, 1944.  
 occidentalis Oman and Beamer. Calif. 71, 17:119, 1944.  
 yuccae Oman and Beamer. Ariz., Calif., Utah. 71, 17:121, 1944.

## ONCOMETOPIA Staal, 119, 2:60, 1869

*Cicada obtusa* Fabricius

- alpha Fowler. Ariz. 10, 2:232, 1899.  
 obtusa (Fabricius). N. A. 47, 2:269, 1787 (*Cicada*).  
 var. funebris (Signoret). Calif. 115, 2:490, 1854 (*Tettigonia*).  
 undata (Fabricius). Fla., Ga., Mass., N. J., N. Mex., N. C., Pa., Que., Tex.  
 45, 4:32, 1794 (*Cicada*).

## HOMALODISCA Staal, 119, 2:60, 63, 1869

*Cicada triquetra* Fabricius

- atrata (Fowler). Tex. 10, 2:222, 1899 (*Phera*).  
 elongata Ball. Ariz. 4, 49:17, 1936.  
 insolita (Walker). Ariz., Tex. 131, p. 227, 1858 (*Proconia*).  
 liturata Ball. Ariz., Calif. 69, 8:48, 1901.  
 triquetra (Fabricius). Ala., Fla., Ga., La., Miss., Mo., S. C., Tex. 48, p. 63,  
 1803 (*Cicada*).

## CIMINIUS Metcalf and Bruner, 103, 20:944, 1936

*Tettigonia hartii* Ball

- hartii (Ball). Fla., Ill., Miss., Mo., N. Mex., Ohio, Pa., Tenn., Tex. 69,  
 8:61, 1901 (*Tettigonia*).  
 sidana (Ball). Ariz. 11, 49:21, 1936 (*Cicadella*).  
 taosa (Ball). N. Mex. 11, 49:20, 1936 (*Cicadella*).

## KOLLA Distant, 29, 4:233, 1908

*Kolla insignis* Distant

- bifida (Say). Eastern and Kans., Mo., Neb. 1, 6:313, 1831 (*Tettigonia*).  
 geometrica (Signoret). Ark., D. C., Fla., Ill., Ky., La., Mo., Ohio, Tenn.  
 115, ser. 3, 2:12, 1854 (*Tettigonia*).  
 var. plutoniella Ball. Fla. 11, 49:22, 1936.

## HORTENSIA Metcalf and Bruner, 103, 20:928, 1936

*Tettigonia similis* Walker

- similis (Walker). Fla. (West Indies and Mexico). 131, 3:769, 1851  
 (*Tettigonia*).

## HELOCHARA Fitch, 52, p. 56, 1851

*Helochara communis* Fitch

- communis Fitch. Eastern states and Ariz., Calif., Colo., N. Mex., Texas.  
 52, p. 56, 1851.  
 delta Oman. Calif. 41, 45:74, 1943.

## CARNEOCEPHALA Ball, 54, 11:33, 39, 1927

*Draeculacephala floridana* Ball

- balli* Knull. Ariz. 38, 51:290, 1940.  
*flaviceps* (Riley). Ala., Ariz., Ark., Calif., Fla., Ga., Kans., Ky., La., Miss., Mo., Neb., N. Mex., Okla., S. C., Tenn., Tex., Va., Wis. 4, 3:78, 1880 (*Diedrocephala*).  
*floridana* (Ball). Fla., Ga., Tex. 69, 8:72, 1901 (*Draeculacephala*).  
*fulgida* Nottingham. Calif. 71, 5:101, 1932.  
*gillettei* (Ball). Colo. 69, 8:72, 1901 (*Draeculacephala*).  
*nuda* Nottingham. Ariz. and Mexico. 71, 5:107, 1932.  
*sagittifera* (Uhler). Calif., Colo., Puerto Rico, Tex., Trinidad, West Indies. 136, p. 76, 1895 (*Tettigonia*).  
*triguttata* Nottingham. Ariz., Calif., Nev., Utah. 71, 5:108, 1932.

## GRAPHOCEPHALA Van Duzee, 129, p. 66, 1916

*Cicada coccinea* Forster

- coccinea* (Forster). Eastern and Kans., Mo., Okla., Tex. 55, p. 69, 1771 (*Cicada*).  
*cythura* (Baker). Ariz., Calif. 101, 8:286, 1898 (*Tettigonia*).  
*ignava* Ball. Ariz. 11, 49:22, 1936.  
*luculenta* (Fowler). Ariz. 10, 2:284, 1900 (*Tettigonia*).  
*versuta* (Say). Southern states and Mo., Texas. 1, 6:311, 1831 (*Tettigonia*).  
 var. *lineiceps* (Spinola). Texas. 56, 7:283, 1852 (*Tettigonia*).

## PLESIOMMATA Provancher, 100, 3:263, 1889

*Tettigonia tripunctata* Fitch

- mollicula* (Fowler). Ariz. 10, 2:288, 1900 (*Tettigonia*).  
*tripunctata* (Fitch). Eastern and Mo. 52, p. 55, 1851 (*Tettigonia*).

## DRAECULACEPHALA Ball, 69, 8:39, 66, 1901

*Tettigonia mollipes* Say

- angulifera* (Walker). Colo., Manitoba, Ont. 131, 3:771, 1851 (*Tettigonia*).  
*manitobiana* Ball. 69, 8:70, 1901.  
*antica* (Walker). Eastern states. 131, 3:771, 1851 (*Tettigonia*).  
*balli* Van Duzee. Fla., Ga., Miss. 38, 26:179, 1915.  
*bradleyi* Van Duzee. Ga., Miss. 38, 26:178, 180, 1915.  
*constricta* Davidson and DeLong. Alberta, Fla., Ill., Iowa, Kans., Ky., Me., Mich., Minn., Mo., Nebr., N. J., N. Y., Ohio, Okla., Pa., Que., Tex., Wis. 91, 43:193, 1943.  
*crassicornis* Van Duzee. Calif., Colo., Ore., Utah, Wash. (high altitudes). 38, 26:178, 181, 1915.  
*inscripta* Van Duzee. Ga., Ill., Ohio, Tenn. 38, 26:178, 180, 1915.  
*minerva* Ball. Southwestern states. 54, 11:36, 1927.  
*minor* (Walker). Calif., Colo., Fla., Wash. 131, 3:772, 1851 (*Tettigonia*).  
*mollipes* (Say). Eastern and Ariz., Br. Col., Calif., Colo., Kans., Mo., N. Mex. 1, 6:312, 1831 (*Tettigonia*).

- pagoda Ball. Fla. 54, 11:37, 1927.  
 paludosa Ball and China. Br. Col., Colo., Ia., Kans., Me., N. Y., Ohio, Ont.,  
 Pa., Que., Utah, Wash. 71, 6:3, 1933.  
 portola Ball. Fla. 54, 11:35, 1927.  
 prasina (Walker). Northeast coast to West coast. 131, 3:768, 1851  
 (*Tettigonia*).  
   *noveboracensis* (Fitch). 52, p. 56, 1851 (*Aulacizes*).  
 producta (Walker). Fla. 131, 3:772, 1851 (*Tettigonia*).  
   *acuta* (Walker). 131, 3:773, 1851 (*Tettigonia*).  
 7-guttata (Walker). Fla., Ga., Miss., N. C. 131, 3:773, 1851 (*Tettigonia*).

## SIBOVIA China, 8, 20:283, 1927

*Tettigonia sagata* Signoret

- occatoria (Say). Fla., Miss., Mo., N. C., Tenn., Tex. 1, 6:311, 1831  
 (*Tettigonia*).  
 subsp. *compta* (Fowler). Fla., Mexico., Miss., Mo., N. C., Tex. 10,  
 2:271, 1900 (*Tettigonia*).

## NEOKOLLA Melichar, 84, 23:343, 1926

*Tettigonia hieroglyphica* Say

- barberi (Olsen). Ariz., Colo., Neb., N. Mex. 39, 15:361, 1922 (*Cicadella*).  
 circumcellata (Baker). Ariz., Calif. 101, 8:285, 1898 (*Tettigonia*).  
 confluens (Uhler). Br. Col., Calif. 2, 13:285, 1862 (*Proconia*).  
 cucurbita (Ball). Ariz. 11, 49:20, 1936 (*Cicadella*).  
 curta (Beamer). N. Mex. 71, 10:13, 1937 (*Cicadella*).  
 dohrnii (Signoret). Ariz. 115, ser. 3, 3:792, 1855 (*Tettigonia*).  
 dolobrata (Ball). West of the Mississippi. 69, 8:52, 1901.  
 gothica (Signoret). Eastern and Kans., Mo. 115, ser. 3, 2:345, 1854  
 (*Tettigonia*).  
 hieroglyphica (Say). West of the Mississippi. 1, 6:313, 1831 (*Tettigonia*).  
 huachucana (Ball). Ariz. 11, 49:19, 1936 (*Cicadella*).  
 inscripta (Olsen). Ariz., Colo., N. Mex. 39, 15:362, 1922 (*Cicadella*).  
 lutzi (Olsen). Ariz. 39, 15:360, 1922 (*Cicadella*).  
 marathonensis (Olsen). Texas. 8, 38:3-5, 1918 (*Cicadella*).  
 monticola (Fowler). Ariz. 10, 2:244, 1899 (*Tettigonia*).  
 multilineata (Fowler). Ariz. 10, 2:241, 1899 (*Tettigonia*).  
 uhleri (Ball). Ariz., Calif., Colo., Kans., Idaho, Ill., Ia., Mo., Neb., N. Mex.,  
 Ore., Tenn., Tex., Utah, Vanc. Is., Wash., Wyo. 69, 8:52, 1901  
 (*Tettigonia*).  
 viridis (Linnaeus). Que. (Europe). 75, 1:438, 1758 (*Cicada*).

## PAGARONIA Ball, 19, 34:19, 1902

*Pagaronia 13-punctata* Ball

- confusa Oman. Calif., Nev. 128, 85:167, 1938.  
 furcata Oman. Calif. 128, 85:168, 1938.

13-punctata Ball. Calif. 19, 34:20, 1902.  
 var. octopunctata Kirkaldy. 61, 2:70, 1909.  
 triunata Ball. Calif. 19, 34:20, 1902.

FRISCANUS Oman, 128, 85:168, 1938

*Errhomenellus friscanus* Ball

friscanus (Ball). Calif. 19, 41:182, 1909 (*Errhomenellus*).  
*simplex* (Van Duzee). 17, 7:294, 1917 (*Memnonia*).

ERRHOMUS Oman, 128, 85:169, 1938

*Errhomenus lineatus* Baker

lineatus (Baker). Id., Wash. 101, 8:261, 1898 (*Errhomenus*).  
 montanus (Baker). Colo., Utah. 101, 8:262, 1898 (*Errhomenus*).  
 oregonensis (Baker). Calif., Ore., Wash. 101, 8:262, 1898 (*Errhomenus*).

SUBGENUS CARSONUS OMAN, 128, 85:170, 172, 1938

*Acocephalus maculatus* Gillette and Baker

aridus (Ball). Colo., Nev., Wash. 19, 41:183, 1909 (*Errhomenellus*).  
 subsp. furcatus Oman. Wash. 128, 85:175, 1938.  
 subsp. incertus Oman. Calif. 128, 85:176, 1938.  
 irroratus (Ball). Calif. 19, 34:18, 1902 (*Errhomenellus*).  
 subsp. spicatus Oman. Wash. 128, 85:174, 1938.  
 maculatus (Gillette and Baker). Calif., Colo., Utah. 22, p. 83, 1895  
 (*Acocephalus*).

THATUNA Oman, 128, 85:176, 1938

*Thatuna gilletti* Oman

gilletti Oman. Idaho. 128, 85:177, 1938.

LYSTRIDEA Baker, 101, 8:261, 1898

*Bathysmatophorus uhleri* Baker

nuda Oman. Calif. 128, 85:179, 1938.  
 uhleri (Baker). Calif. 101, 8:260, 1898 (*Bathysmatophorus*).  
*consersa* Baker. 101, 8:261, 1898.

SUBFAMILY EVACANTHINAE BAKER, 98, 23:353, 362, 1923

EVACANTHUS LePeletier and Serville, 35, 10:612, 1827

acuminatus (Fabricius). Northeastern states and Iowa, Wash., Vanc. Is.  
 45, 4:36, 1794.  
 interruptus (Linnaeus). N. C., S. C., (Europe). 75, 1:438, 1758 (*Cicada*).

## SUBFAMILY GYPONINAE STAAL

PENTHIMIA Germar, 77, 4:38, 46, 1821

*Cercopis atra* Fabricius = *Cicada nigra* GOEZEamericana Fitch. Eastern states and Colo., Dak., Minn., Mont. 52, p. 57,  
1851.

floridana Lawson. Fla. 71, 6:34, 1933.

DRAGONANA Ball and Reeves, 39, 20:489, 1927

*Gypona dracontea* Gibsondracontea (Gibson). Ariz. 128, 56:100, 1919 (*Gypona*).

GYPONA Germar, 77, 4:38, 73, 1821

*Cercopis glauca* Fabricius

bimaculata Spaangberg. Ariz., Mex. 118, 5:23, 1878.

*nixabunda* Gibson. 128, 56:92, 1919.

contana DeLong. Ariz., Colo., N. Mex., Utah. 28, p. 20, 1942.

extrema DeLong. Texas. 28, p. 19, 1942.

melanota Spaangberg. Colo., Idaho, Ia., Nebr., N. Y., Ohio, Pa., Utah, W.  
Va. 118, 5:19, 1878.*dorsalis* Spaangberg. 118, 5:30, 1878.*bipunctulata* Woodworth. 65, 3:30, 1887.*nigra* Woodworth. 65, 3:31, 1887.

mitana DeLong. Texas. 28, p. 20, 1942.

vexana DeLong. Colo., Idaho, Utah. 28, p. 19, 1942.

vilior Fowler. Ariz. 10, 2:301, 1903.

verticalis Staal. Ariz., Colo., N. Mex., Utah. 117, 25:84, 1864.

*mexicana* Spaangberg. 118, 5:18, 1878.*signoreti* var. *pilula* Ball and Reeves. 39, 20:494, 1927.

GYPONANA Ball, 39, 13:84-85, 1920

*Tettigonia octolineata* Say

accurata DeLong. Calif. 28, p. 43, 1942.

acia DeLong. Ohio, Pa. 28, p. 40, 1942.

aculeata DeLong. Calif., Nev., Utah, Wash., Wis. 28, p. 51, 1942.

amara DeLong. Ill., Ohio. 28, p. 32, 1942.

angula DeLong. D. C., Fla., Ga., Ill., N. J., Tex. 28, p. 54, 1942.

angulata (Spaangberg). Ariz., Colo., Id., Okla., Ore., Mo., Utah, Wash.  
118, 5:32, 1878 (*Gypona*).

appressa DeLong. Fla., Miss., Tex. 28, p. 28, 1942.

arcta DeLong. Mich., N. Y., Pa. 28, p. 29, 1942.

avara DeLong. Conn., L. Isl., Pa., W. Va. 28, p. 25, 1942.

barda DeLong. Florida. 28, p. 34, 1942.

brevihama DeLong. Miss., Ohio, Pa. 28, p. 24, 1942.

brevita DeLong. Ill., Tenn., Wis. 28, p. 27, 1942.

- cacumina DeLong. Ariz., Me., N. Y., Pa. 28, p. 48, 1942.  
 calamistra DeLong. Idaho. 28, p. 55, 1942.  
 cana (Burmeister). Throughout the U. S. 16, 1:Heft 4, no. 10, 1838  
 (*Gypona*).  
 compressa DeLong. S. D. 28, p. 43, 1942.  
 conferta DeLong. Texas. 28, p. 24, 1942.  
 conspira DeLong. Me., Md., Ill. 28, p. 31, 1942.  
 contractura DeLong. Ohio. 28, p. 29, 1942.  
 cubita DeLong. Fla., Ohio. 28, p. 40, 1942.  
 cunea DeLong. Calif. 28, p. 44, 1942.  
 delta Ball. Ariz., N. Mex., Tex. 132, 25:500, 1935.  
 var. alomogorda Ball. N. Mex. 132, 25:501, 1935.  
 desa DeLong. Utah. 28, p. 33, 1942.  
 dorsalis (Signoret). Southwestern states. 115, 3rd ser. 1:349, 1853  
 (*Tettigonia*).  
 elongata Ball. Calif. 132, 25:500, 1935.  
 expanda DeLong. Ill., Ohio. 28, p. 38, 1942.  
 extenda DeLong. Conn., Fla., Ill., Ia., Miss., N. Y., Ohio, Pa., Va. W. Va.  
 28, p. 39, 1942.  
 fagi DeLong. Tenn. 28, p. 39, 1942.  
 fastiga DeLong. Fla., Miss., N. C., Okla. 28, p. 52, 1942.  
 fimbriata DeLong. Calif. 28, p. 28, 1942.  
 flavilineata (Fitch). Colo., D. C., Fla., Ga., Ill., Ia., Kans., Miss., Nebr.,  
 Ohio, Okla., S. D., Tex., Utah, Wis. 52, p. 57, 1851 (*Gypona*).  
 germari (Staal). U. S. and Mex. 117, 25:84, 1864 (*Gypona*).  
 gibbera DeLong. Florida. 28, p. 43, 1942.  
 gladia DeLong. Ala., D. C., Miss., Okla., Va. 28, p. 46, 1942.  
 hasta DeLong. Ariz., Calif., Idaho, Mo., Ore., Tex., Utah. 28, p. 50, 1942.  
 lamina DeLong. Mich., Mo., Ohio. 28, p. 47, 1942.  
 librata DeLong. Okla., Tex. 28, p. 54, 1942.  
 mali DeLong. Ill., Ohio. 28, p. 44, 1942.  
 morosita DeLong. Kans., Ohio, Va. 28, p. 38, 1942.  
 octolineata (Say). N. Y., Pa. 109, 2:257, 1824 (*Tettigonia*).  
 var. *geminata* (Osborn). 89, p. 513, 1905 (*Gypona*).  
 var. *serpenta* DeLong. Colo., Id., Ill., Me., Md., Minn., N. J., N. D.,  
 Tex., Wyo. 28, p. 53, 1942.  
 offula DeLong. Fla., Miss., Pa. 28, p. 35, 1942.  
 olivacea (Spangberg). "Am. Bor." N. J. 42, p. 24, 1881 (*Gypona*).  
 omani DeLong. Tex. 28, p. 55, 1942.  
 orientala DeLong. Conn., Pa., Tex. 28, p. 26, 1942.  
 ortha DeLong. D. C., Ill., Ind., Ia., Kans., Me., Md., Neb., Ohio, Pa., Wis.  
 28, p. 25, 1942.  
 palma DeLong. Ark., Ohio. 28, p. 41, 1942.  
 panda DeLong. Ill., Miss., Mo., Ohio, Okla., Ore., Tenn., Tex. 28, p. 32,  
 1942.  
 parallela DeLong. Pa. 28, p. 35, 1942.  
 pingua DeLong. Fla., Me., Md., Tenn. 28, p. 37, 1942.



- praelonga DeLong. Fla. 28, p. 34, 1942.  
 procera DeLong. Calif. 28, p. 45, 1942.  
 producta DeLong. Florida. 28, p. 36, 1942.  
 protenta DeLong. Ohio. 28, p. 41, 1942.  
 pruinosa (Spaangberg). Fla., Ga., Okla., Tex. 118, 5:9, 1878 (*Gypona*).  
 quebecensis (Provancher). Me., N. Y., Ont., Pa., Que. 86, 4:352, 1872  
 (*Tettigonia*).  
 salsa DeLong. Canada, Ohio, Pa. 28, p. 49, 1942.  
 scrupulosa (Spaangberg). D. C., Fla., Ga., Ill., Kans., La., Me., Md., Mo.,  
 N. H., N. J., N. Y., N. C., Ohio, Okla., Pa., S. C., Tenn., Tex., Va.,  
 Wis. 118, 5:9, 1878 (*Gypona*).  
 serrata DeLong. Idaho, Pa., Wis. 28, p. 48, 1942.  
 var. fatena DeLong. Canada, Ia., Ohio. 28, p. 49, 1942.  
 signoreti (Staal). Ariz., Mex., Tex., Utah. 117, 25:83, 1864 (*Gypona*).  
 spissa DeLong. Me., N. Y., N. C., Pa. 28, p. 30, 1942.  
 striata (Burmeister). Northern states, Can., Pacific Coast. 16, 1:10. 9, 1838  
 (*Gypona*).  
 tenella (Spaangberg). Fla., Ga., Va. 118, 5:34, 1876 (*Gypona*).  
 trigona DeLong. Ohio. 28, p. 26, 1942.  
 tubera DeLong. Ill., Mass., Neb., Ohio, Pa., S. D., Tenn. 28, p. 33, 1942.  
 turbina DeLong. Canada, N. J., Ohio, Pa., Tex., Utah. 28, p. 37, 1942.  
 unicolor (Staal). Ariz., Colo., Mex. 117, 25:84, 1864 (*Gypona*).  
 vasta DeLong. D. C., Md., N. Y., Pa. 28, p. 31, 1942.  
 vincula DeLong. Conn., Kans., Nebr., Pa., Tex, Utah, Wis. 28, p. 47, 1942.

## ACUSANA DeLong, 28, p. 57, 1942

*Acusana veprecula* DeLong

- condensa DeLong. Ariz. 28, p. 62, 1942.  
 frondosa DeLong. Ariz. 28, p. 63, 1942.  
 generosa DeLong. Ariz., Colo., Tex. 28, p. 59, 1942.  
 insignita DeLong. Ariz. 28, p. 60, 1942.  
 var. fastigor DeLong. Calif. 28, p. 61, 1942.  
 meditabunda (Spaangberg). Texas. 118, 5:39, 1878 (*Gypona*).  
 prostrata DeLong. Ariz., Utah. 28, p. 59, 1942.  
 rota DeLong. Ariz. 28, p. 60, 1942.  
 teres DeLong. Calif. 28, p. 61, 1942.  
 tympana DeLong. Ariz., Colo., N. Mex., Utah. 28, p. 63, 1942.  
 veprecula DeLong. Ariz. 28, p. 58, 1942.

## RUGOSANA DeLong, 28, p. 64, 1942

*Gypona rugosa* Spaangberg

- ampliata (Ball). Ariz. 132, 25:498, 1935 (*Gyponana*).  
 chadana (Ball and Reeves). Ariz., Utah. 39, 20:493, 1927 (*Gyponana*).  
 turbinella (Ball). 132, 25:499, 1935 (*Gyponana*).  
 fibrata DeLong. Ariz. 28, p. 66, 1942.  
 lora DeLong. Ariz. 28, p. 70, 1942.

manua DeLong. Ariz., Calif., Utah. 28, p. 70, 1942.  
 pullata (Ball). Ariz., Miss. 132, 25:499, 1935 (*Gyponana*).  
 querci DeLong. Ariz., Fla., Md., Mich., Miss., Ohio, Pa., Tex., Utah.  
 28, p. 69, 1942.  
 ramosa (Kirkaldy). Ariz., Tex. 62, 4:60, 1907 (*Gypona*).  
 verrucosa DeLong. Ariz. 28, p. 72, 1942.

## PRAIRIANA Ball, 39, 13:84, 90, 1920

*Gypona cinerea* Uhler

cinerea (Uhler). Colo., Dakota, Ill., Ia., Kans., Mont. 127, 3:460, 1877  
 (*Gypona*).  
 dualis DeLong. Texas. 28, p. 82, 1942.  
 fraterna (Spaangberg). Fla., Tex. 118, 5(3):72, 1878 (*Gypona*).  
 fraudulenta (Spaangberg). Md., Mex. 42, p. 108, 1883.  
 globosa DeLong. Fla. 28, p. 84, 1942.  
 hirsuta DeLong. Ariz. 28, p. 77, 1942.  
 kansana Ball. Colo., Ia., Kans. 39, 13:91, 1920.  
 var. angustens DeLong. Ia., Neb., S. D. 28, p. 83, 1942.  
 latens DeLong. Ariz. 28, p. 80, 1942.  
 milaris (Staal). Atlantic and Gulf Coast, Conn. to Tex. 117, 25:83, 1864  
 (*Gypona*).  
 moneta (Van Duzee). Ariz., Calif., Neb. 17, 12:174, 1923 (*Gypona*).  
 negotiosa (Gibson). Fla., Md., N. C., Tex. 128, 56:97, 1919 (*Gypona*).  
 orizaba Ball and Reeves. Mex., Tex. 39, 20:496, 1927.  
 var. ro lenta DeLong. Texas. 28, p. 80, 1942.  
 ponderosa Ball. Colo. 39, 13:91, 1920.  
 var. longiora DeLong. Tex. 28, p. 79, 1942.  
 sidana Ball. Ariz., Tex. 132, 25:501, 1935.  
 subta Ball. Colo. 39, 13:92, 1920.

## HAMANA DeLong, 28, p. 85, 1942

*Gypona dictitoria* Gibson

dictitoria (Gibson). Ariz. 128, 56:91, 1919 (*Gypona*).  
 herbida DeLong. Ariz. 28, p. 88, 1942.  
 incita (Van Duzee). Ariz., Mex. 17, 12:173, 1923 (*Gypona*).  
 manifesta DeLong. Tex. 28, p. 86, 1942.  
 marginifrons (Fowler). Southwestern states and Mex. 10, 2:302, 1903  
 (*Gypona*).

## PONANA Ball, 39, 13:84, 93, 1920

*Gypona scarlatina* Fitch

aenea DeLong. Kans., Md., Minn., Mo., N. C., Ohio, Pa., Va. 28, p. 94,  
 1942.  
 aquila (Gibson). Ariz. 128, 56:99, 1919 (*Gypona*).  
 albosignata (Uhler). Mass. 136, p. 74, 1895 (*Gypona*).  
 cacozela (Gibson). Texas. 128, 56:94, 1919 (*Gypona*).  
 candida (Van Duzee). Ariz., Calif. 17, 12:175, 1923 (*Gypona*).

- citrina* (Spaangberg). Ohio, Texas. 118, 5:45, 1878 (*Gypona*).  
*dohrnii* (Staal). Ariz., Colo. 117, 25:82, 1864 (*Gypona*).  
*floridana* DeLong. Florida, Texas. 28, p. 102, 1942.  
*limbatipennis* (Spaangberg). Ill., Ia., Ohio. 118, 5:47, 1878 (*Gypona*).  
*limonea* Ball and Reeves. Ohio. 39, 20:498, 1927.  
*modesta* (Spaangberg). Ill. 42, 4:107, 1883 (*Gypona*).  
*occlusa* (Gibson). Ariz. 128, 56:94, 1919 (*Gypona*).  
*pauperata* (Spaangberg). "Am. sept." 42, 1:33, 1881 (*Gypona*).  
*pectoralis* (Spaangberg). D. C., Ill., Kans., Miss., Ohio, Tex. 118, 5:46, 1878 (*Gypona*).  
     *albimarginata* (Woodworth). 65, 3:31, 1887 (*Gypona*).  
     *woodworthi* (Van Duzee). 19, 46:389, 1914 (*Gypona*).  
     *bimaculata* (Woodworth). 19, 3:32, 1887 (*Gypona*), (homonym).  
     *hullensis* (Provancher). 100, 3:269, 1889.  
*puncticollis* (Spaangberg). Fla., Ill. 118, 5:54, 1878 (*Gypona*).  
*sanguinolenta* (Spaangberg). 118, 5:63, 1878 (*Gypona*).  
*grisea* (Spaangberg). 118, 5:118, 1878 (*Gypona*).  
*proscripta* (Fowler). 10, 2:309, 1903 (*Gypona*).  
*punctipennis* (Staal). Ariz. 117, 25:82, 1864 (*Gypona*).  
     *curiata* (Gibson). 128, 56:97, 1919 (*Gypona*).  
*quadralaba* DeLong. Ariz., Nebr., N. J., Ohio, Tenn., Tex. 28, p. 98, 1942.  
*rubrapuncta* DeLong. Fla. 28, p. 99, 1942.  
*rubida* DeLong. Ia., Neb., Ohio, Pa., Wis. 28, p. 95, 1942.  
*scarlatina* (Fitch). Fla., Ga., Kans., Mass., Miss., N. C., Ohio, Pa., Tex. 52, p. 57, 1851 (*Gypona*).  
     *irrorella* (Spaangberg). Tex., Atlantic Coast to Mass. 118, 5:60, 1878 (*Gypona*).  
     *spadix* (DeLong). D. C., N. J., Tenn. 91, 18:235, 1918 (*Gypona*).  
     *rodora* (Ball). 39, 13:96, 1920 (*Gypona*).  
*sonora* Ball. Ariz. 132, 25:502, 1935.  
*sparsa* DeLong. Florida. 28, p. 103, 1942.

## BULBANA DeLong, 28, p. 107, 1942

*Bulbana pura* DeLong

- extensa* DeLong. Calif. 28, p. 108, 1942.  
*inflata* DeLong. Texas. 28, p. 109, 1942.  
*integra* DeLong. Texas. 28, p. 109, 1942.  
*pura* DeLong. Texas. 28, p. 108, 1942.

## MARGANA DeLong, 28, p. 109, 1942

*Ponana marginifrons* var. *suilla* Ball

- suilla* (Ball). Ariz. 132, 25:503, 1935 (*Ponana marginifrons* var. *suilla* Ball)

## POLANA DeLong, 28, p. 110, 1942

*Gypona quadri-notata* Spaangberg

- quadri-notata* (Spaangberg). Ga., S. C., Tex. 118, 5:56, 1878 (*Gypona*).

## SUBFAMILY LEDRINAE STAAL, 120, 17:731, 1870

## XEROPHLOEA Germar, 134, 1:190, 1839

*Xerophloea grisea* Germar = *Cercopis viridis* Fabricius

- brunnea Lawson. Calif. 96, 7:163, 1931.  
 californica Lawson. Ariz., Calif., Tex. 96, 7:163, 1931.  
 inflata Lawson. Ariz., Calif., Tex. 96, 7:164, 1931.  
 majesta Lawson. Kans., Miss., S. C., Tex. 96, 7:165, 1931.  
 major Baker. Kans., N. J., N. Y., Tenn., Va. 101, 8:285, 1898.  
 minor Lawson. Ark., Fla., La., Miss., Tex. 96, 7:162, 1931.  
 obtusa Lawson. Calif. 96, 7:162, 1931.  
 oraclis Lawson. Ariz. 96, 7:165, 1931.  
 robusta Lawson. Ariz., N. Mex., Tex. 96, 7:164, 1931.  
 tenuata Lawson. Calif. 96, 7:165, 1931.  
 vanduzeei Lawson. Calif. 96, 7:161, 1931.  
 viridis (Fabricius). Eastern and Ariz., Calif., Colo., Kans., Mont., N. Mex.,  
 Ore., Tex., Utah, Wash. 45, 4:50, 1794 (*Cercopis*).  
 zionis Lawson. Utah. 96, 7:161, 1931.

## SUBFAMILY DORYDIINAE VAN DUZEE, 3, 19:297, 1892

## DORYCEPHALUS Kuschakéwitsch, 64, 4:102, 1866

*Dorycephalus baeri* Kuschakéwitsch

- brevis Beamer. N. Mex. 71, 15:55, 1942.  
 delongi Knull. Ariz., N. M., Tex. 39, 34:437, 1941.  
 knulli Sanders and DeLong. Fla. 41, 25:151, 1923.  
 minor Osborn. N. Dak. 91, 20:154, 1920.  
 omanae Beamer. Oregon. 71, 9:31, 1936.  
 platyrhynchus Osborn. Colo., Ia., Kans., Neb. 19, 26:216, 1894.  
 sinuatus Beamer. Ariz. 96, 18:135, 1942.  
 vanduzeei Osborn and Ball. Colo., Fla., Kans., Neb. 27, 7:74, 1898.

## NEOSLOSSONIA Van Duzee, 15, 9:218, 1909

*Neoslossonia atra* Van Duzee = *Dorycephalus putnami* Osborn*putnami* (Osborn). Fla., Ga. 27, 10:163, 1907 (*Dorycephalus*).

## HECALUS Staal, 115, ser. 4, 4:65, 1864

*Petalocephala paykulli* Staal

- apicalis Van Duzee. Fla. 15, 9:217, 1909.  
 balli Beamer. Ariz. 71, 10:12, 1937.  
 bracteatus Ball. Ariz., Colo. 19, 33:4, 1901.  
 lineatus (Uhler). Colo., Ia., Kans., Minn., Mo., Nebr., N. J., N. Y., N. D.,  
 S. D. 127, 3:463, 1877 (*Glossocratus*).

## SPANGBERGIELLA Signoret, 115, ser. 5, 9:273, 1879

*Glossocratus vulneratus* Uhler

- mexicana Baker. Ariz., Mexico. 19, 29:157, 1897.  
 quadripunctata Lawson. Ala., Ark., D. C., Fla., Ill., Kans., La., Minn. 71,  
 5:120, 1932.  
 vulnerata (Uhler). Ark., Fla., Kans., La., Md., Miss., N. J., N. Y., N. C.,  
 S. C., Tenn., Tex., Va. 127, 3:464, 1877 (*Glossocratus*).  
 var. lativittata Lawson. Ark. 127, 5:118, 1932.  
 var. convexa Lawson. Fla. 71, 5:118, 1932.

## PARABOLOCRATUS Fieber, 130, 16:502, 1866

*Parabolocratius glaucescens* Fieber

- atascaderus Ball. Calif. 13, 28:223, 1933.  
 attenuatus Shaw. Ariz. 71, 5:40, 1932.  
 var. purpureus Ball. Ariz. 13, 28:223, 1933.  
 brunneus Ball. Colo., Kans., Neb., N. Mex. 70, p. 71, 1900.  
 constrictus DeLong. Fla. 91, 38:302, 1938.  
 continuus DeLong. Canada, Wyo. 91, 38:301, 1938.  
 curtus Shaw. Kans. 71, 5:41, 1932.  
 elongatus DeLong. S. D. 91, 38:302, 1938.  
 fenestrellus Ball. Ariz., Calif. 11, 50:130, 1937.  
 flavidus Signoret. Southeastern states and Ark., Kans. 115, ser. 5, 9:276,  
 1879.  
 grandis Shaw. Ala., Fla., Kans., Tex. 71, 5:44, 1932.  
 inflatus DeLong. Idaho, Wyo. 91, 38:301, 1938.  
 kansiensis Shaw. Kans., Minn., Mo. 71, 5:47, 1932.  
 major Osborn. Canada, Colo., Ind., Mass., Me., Mich., Wis. 78, 238:110,  
 1915.  
 nigrifasciatus Beamer. Colo. 71, 11:82, 1938.  
 nimbosus Ball. Ariz. 11, 50:129, 1937.  
 planus Shaw. Calif. 71, 5:48, 1932.  
 rotundus DeLong. Ill., Ohio. 91, 38:302, 1938.  
 spadix Ball. Ariz., N. Mex. 11, 50:130, 1937.  
 terminus DeLong. S. D. 91, 38:301, 1938.  
 viridis (Uhler). Conn. and Mass. to Ore. and Wash. 127, 3:462, 1877  
 (*Glossocratus*).  
 var. montanus Ball. Colo. 70, p. 71, 1900.

## DORYDIELLA Baker, 19, 29:159, 1897

*Dorydiella floridana* Baker

- floridana Baker. Fla., Ill., Mass., Pa. 19, 29:159, 1897.  
 kansana Beamer. Kans. 71, 18(1):48, 1945.

## DICYPHONIA Ball, 70, p. 69, 1900

*Dicyphonia ramentosa* Ball = *Platymetopius ornatus* Baker

- cona (Shaw). N. Mex. 71, 5:45, 1932 (*Parabolocratius*).  
 minuta Beamer. Wyo. 71, 9:70, 1936.

ornata (Baker). Colo., Kans., Neb., Utah. 19, 32:49, 1900 (*Platymetopius*).  
*ramentosa* Ball. 70, p. 69, 1900.  
 plana Beamer. Ariz. 71, 9:69, 1936.  
 plura Beamer. Ariz. 71, 9:68, 1936.

## COCHLORHINUS Uhler, 127, 1:358, 1876

*Cochlorhinus pluto* Uhler

bidentatus Beamer. Calif. 71, 13:56, 1940.  
 \*niger (Ball). Calif., Ore. 11, 28:167, 1915 (*Drionia*).  
 pasadenus (Ball). Calif. 11, 28:166, 1915 (*Uhleriella*).  
 pluto Uhler. Calif. 32, 1:358, 1876.  
 stygicus (Ball). Calif. 19, 34:55, 1902 (*Uhleriella*).  
 unispinosus Beamer. Calif. 71, 13:54, 1940.  
*coquilletti* (Van Duzee). 36, 6:95, 1890 (*Deltocephalus*), (homonym).  
 ziczac (Ball). Calif. 11, 28:166, 1915 (*Uhleriella*).

## CALONIA Beamer, 71, 13:56, 1940

*Uhleriella signata* Ball

signata (Ball). Calif. 19, 34:56, 1902 (*Uhleriella*).

## HULERIA Ball, 19, 34:57, 1902

*Huleria 4-punctata* Ball

4-punctata Ball. Calif. 19, 34:58, 1902.

## PENEHULERIA Beamer, 96, 10:43, 1934

*Penehuleria acuticephala* Beamer

acuticephala Beamer. Calif. 96, 10:43, 1934.

## SUBFAMILY APHRODINAE KIRKALDY, 62, 1:307, 1906

## STROGGYLOCEPHALUS Flor, 53, 2:198, 210, 1861

*Cicada agrestis* Fallén

agrestis (Fallén). Colo., Conn., Ia., Mich., N. H., N. Y. 119, 27:23, 1806  
 (*Cicada*).

## APHRODES Curtis, 25, p. 193, 1831

*Aphrodes testudo* Curtis = *Cicada albifrons* Linnaeus

albifrons (Linnaeus). D. C., Me., Mich., N. H., N. Y., Ont., Pa., Wis.  
 75, 1:437, 1758 (*Cicada*).  
 bicincta (Schrank). Me., N. Y., Ont. 110, p. 75, 1776 (*Cicada*).  
*nervosa* (Schrank). 111, p. 252, 1781 (*Cicada*).  
 flavostrigata (Donovan). N. Y., Ohio, Vt. 31, 8:28, 1799 (*Cicada*).  
 fusco-fasciata (Goeze). N. J. 58, 2:161, 1778 (*Cicada*).  
 placida (Provancher). Que. 100, 3:280, 1889.

## MEMNONIA Ball, 70, p. 66, 1900

*Memnonia consobrina* Ball

- acuta Beamer. Colo. 71, 11:80, 1938.  
 albolinea Ball. Arizona. 11, 50:131, 1937.  
 consobrina Ball. Colo., Nebr. 70, p. 66, 1899.  
 fossitia Ball. Arizona, N. Mex. 11, 50:132, 1937.  
 fraterna Ball. Colo., Nebr. 70, p. 67, 1899.

## XESTOCEPHALUS Van Duzee, 3, 19:298, 1889

*Xestocephalus pulicarius* Van Duzee

- brunneus Van Duzee. Mass., N. Y., Ohio, Pa., R. I. 15, 8:62, 1907.  
 coronatus Osborn and Ball. Ia., Neb., Wis. 69, 4:184, 1897.  
 fulvifrons Peters. Ariz., Texas. 71, 6:78, 1933.  
 lunatus Peters. Fla. 71, 6:76, 1933.  
 nigrifrons Osborn. Me., Tenn. 78, 238:109, 1915.  
 piceus Osborn. Ohio. 90, 4:244, 1928.  
 provancheri Knull. Fla., Miss., Ohio, Tex. 91, 44:239, 1944.  
 pulicarius Van Duzee. Eastern and Ia., Kans., Mo., Utah. 15, 5:215, 1894.  
 robustus Peters. Fla. 71, 6:74, 1933.  
 similis Peters. Kans., Ohio, Tex. 71, 6:77, 1933.  
 superbus (Provancher). Me., N. Y., Ohio, Pa., Que., Tenn. 100, 3:339, 1890  
 (*Deltocephalus*).  
 tessellatus Van Duzee. Ark., Fla., Kans., Miss., Mo., N. C., Pa., Tenn.  
 15, 5:216, 1894.  
 trimaculatus Peters. La. 71, 6:75, 1933.  
 tucsoni Knull. Ariz. 91, 44:240, 1944.

## SUBFAMILY ATHYSANINAE VAN DUZEE, 3, 19:297, 299, 1892

## TWININGIA Ball, 13, 26:93, 1931

*Scaphoideus blandus* Ball

- acuta Beamer. Ariz., N. Mex. 41, 44:176, 1942.  
 albocosta Beamer. Calif. 41, 44:174, 1942.  
 areolata Beamer. Calif. 41, 44:177, 1942.  
 bicolor (Ball). Calif. 38, 20:166, 1909 (*Scaphoideus*).  
 blanda (Ball). Calif., Colo. 19, 33:7, 1901 (*Scaphoideus*).  
 fasciata Beamer. Calif., Ore., Wash. 41, 44:171, 1942.  
 fumida (Ball). Ariz., Colo. 19, 33:8, 1901 (*Scaphoideus*).  
 grandis Beamer. N. Mex. 41, 44:175, 1942.  
 irrorata (Osborn). Calif. 92, 11:257, 1910 (*Scaphoideus*).  
 magnata Ball. Ariz. 13, 26:94, 1931.  
 malvastra Ball. Ariz. 13, 26:94, 1931.  
 pellucida (Ball). Calif. 19, 41:83, 1909 (*Scaphoideus*).  
 planus (Van Duzee). 17, p. 414, 1925 (*Platymetopius*).  
 permista Beamer. Calif. 41, 44:172, 1942.

pulla Beamer. Calif. 41, 44:174, 1942.  
 reducta (Ball). Calif. 19, 41:84, 1909 (*Scaphoideus*).  
 reticulata Beamer. Calif. 41, 44:178, 1942.  
 rubrafusca Beamer. Calif. 41, 44:178, 1942.  
 scrupulosa (Ball). Calif. 19, 34:14, 1902 (*Scaphoideus*).  
 solitaria Ball. Ariz. 13, 31:18, 1936.  
 tricolor Beamer. Calif. 71, 12:27, 1939.

SANCTANUS Ball, 132, 22:10, 1932

*Scaphoideus sanctus* Say

aestuarium (DeLong and Slesman). N. C. 39, 22:101, 1929 (*Polyamia*).  
 balli Beamer. Ariz. 19, 70:224, 1938.  
 cruciatus (Osborn). Fla., N. J., N. Y. 92, 11:253, 1910 (*Scaphoideus*).  
 eburneus (DeLong). Miss. 87, 32:63, 1924 (*Deltiocephalus*).  
 fasciatus (Osborn). Fla., N. J., West Indies. 21, 19:190, 1900 (*Scaphoideus*).  
     *neglectus* (Osborn). 92, 11:252, 1910.  
 fusconotatus (Osborn). La. 54, 6:17, 1922 (*Deltiocephalus*).  
 limicolus (Osborn). Fla. 54, 6:17, 1922 (*Deltiocephalus*).  
 orbiculatus Ball. Ariz. 132, 22:11, 1932.  
 sanctus (Say). Ill., Ind., Ia., Ky., N. J., N. C., Ohio, Tenn. 1, 6:307, 1831  
     (*Scaphoideus*).  
     *picturatus* (Osborn). 69, 5:243, 1898 (*Scaphoideus*).  
 tectus Oman. S. C., Va. 41, 36:75, 1934.

SCAPHOIDEUS Uhler, 79, 1:33, 1889

*Jassus immistus* Say

amplus DeLong and Mohr. Pa. 5, 17:973, 1936.  
 angustatus DeLong and Beery. Pa. 91, 36:335, 1936.  
 atlantus Ball. N. J. 132, 22:14, 1932.  
 auctus DeLong and Mohr. Ill., Pa., Wis. 5, 17:970, 1936.  
 baculus DeLong and Mohr. Ill., Ohio, Pa. 5, 17:970, 1936.  
 bifurcatus DeLong and Mohr. Pa. 5, 17:974, 1936.  
 camurus DeLong and Mohr. Ill., Pa. 5, 17:967, 1936.  
 carinatus Osborn. Eastern states. 21, 19:201, 1900.  
 chelus DeLong and Beery. Ill. 91, 36:339, 1936.  
 cinerosus Osborn. Ill., Ia. 21, 19:208, 1900.  
 crassus DeLong and Mohr. N. J. 5, 17:966, 1936.  
 curvatus DeLong and Mohr. Ill. 5, 17:967, 1936.  
 cylindratus DeLong and Beery. Ill., Me., N. Y., Pa. 91, 36:338, 1936.  
 cyprius Ball. Ia. 132, 22:12, 1932.  
 densus DeLong and Beery. Ill., Ohio, Quebec. 91, 36:340, 1936.  
 dilatus DeLong and Mohr. Pa. 5, 17:966, 1936.  
 diutius DeLong and Mohr. Ill., Pa. 5, 17:972, 1936.  
 elongatus DeLong and Beery. D. C., Ill., Miss., Pa., Va. 91, 36:337, 1936.  
 flexus DeLong and Mohr. Ill., Pa., Tenn. 5, 17:968, 1936.  
 frisoni DeLong and Mohr. Me., Md., N. Y., Pa., Wis. 5, 17:975, 1936.



- immistus (Say). Eastern and Calif., Colo., Iowa, Kans., Mo., Tex. 1, 6:306, 1831 (*Jassus*).
- inundatus* Ball. 132, 22:15, 1932.
- incisus Osborn. Ala., Calif., Colo., D. C., Fla., Ill., Ia., Kans., Me., Mass., Mich., Mo., N. H., N. J., N. Y., N. C., Ohio, Ont., Pa., Que., Tenn., Tex., Vt., W. Va. 21, 19:206, 1900.
- littoralis Ball. Ill., La., Ohio, Pa., S. D., Tenn., Wis. 132, 22:15, 1932.
- brevidens* DeLong and Mohr. 5, 17:971, 1936.
- luteolus Van Duzee. Ill., Ia., Ohio. 15, 5:210, 1894.
- major Osborn. Ia. 21, 19:205, 1900.
- melanotus Osborn. Md., Pa., Tenn., Tex. 21, 19:206, 1900.
- merus DeLong and Beery. D. C., Pa. 91, 36:336, 1936.
- minor Osborn. Ia. 21, 19:205, 1900.
- nigrellus DeLong and Mohr. Ill. 5, 17:973, 1936.
- nigricans Osborn. N. C., Tenn. 92, 11:258, 1910.
- obtusus Osborn. Fla., Ill., Ia., N. Y. 21, 19:207-208, 1900.
- ochraceus Osborn. Ia., N. H., N. Y., Pa., Tenn. 69, 5:242, 1898.
- opalinus Osborn. Fla., N. J., N. Y. 89, 20:525, 1905.
- paludosus Ball. Fla. 132, 22:13, 1932.
- productus Osborn. Ia., Kans., Ky., Me., Mass., Mo., N. Y., N. C., Pa. 21, 19:200, 1900.
- pullus DeLong and Mohr. D. C., Ill., Pa., Wis. 5, 17:969, 1936.
- radix DeLong and Mohr. Ill. 5, 17:969, 1936.
- rubranotum DeLong. N. Y. 41, 41:39, 1939.
- scelestus DeLong and Mohr. Pa. 5, 17:974, 1936.
- sensibilis Ball. Fla. 132, 22:14, 1932.
- tergatus DeLong. Ill. 41, 41:45, 1939.
- titanus Ball. Ont., W. Va. 132, 22:12, 1932.
- torqus DeLong and Beery. Pa. 91, 36:337, 1936.
- transeus DeLong and Beery. D. C., Ill., Ia. 91, 36:339, 1936.
- triunatus Ball. Ariz. 132, 22:13, 1932.
- veterator DeLong and Beery. Pa. 91, 36:334, 1936.

## LONENUS DeLong, 41, 41:33, 1939

*Scaphoideus intricatus* Uhler

- intricatus (Uhler). Eastern and Ia., Kans., Nebr. 79, 1:34, 1889 (*Scaphoideus*).

## OSBORNELLUS Ball, 132, 22:17, 1932

*Scaphoideus auronitens* Provancher

- alatus Beamer. Conn., Md., Mex., Miss., Pa., Va. 71, 10:105, 1937.
- albonotatus (Van Duzee). Fla. 15, 9:226, 1909 (*Scaphoideus*).
- ater Beamer. Tex. 71, 10:108, 1937.
- auronitens (Provancher). Eastern states only. 100, 3:277, 1889 (*Scaphoideus*).
- bifasciatus Beamer. Ariz. 71, 10:97, 1937.

- borealis DeLong and Mohr. B. C. 5, 17:976, 1936.  
 capitatus DeLong and Knull. Calif. 39, 34:177, 1941.  
 clarus Beamer. Ala., Ariz., D. C., Fla., Ga., Kans., Ky., La., Md., Miss.,  
 S. C. 71, 10:99, 1937.  
 cocanus Ball. Fla. 132, 22:18, 1932.  
 consors (Uhler). Eastern and Colo., Ill., Tex., Utah. 79, 1:36, 1889  
 (*Scaphoideus*).  
 corniger Beamer. Kans. 71, 10:102, 1937.  
 curvatus Beamer. Calif. 71, 10:101, 1937.  
 decorus Beamer. Calif. 71, 10:98, 1937.  
 filamentus DeLong and Beery. Tex. 91, 37:266, 1937.  
 fumidus Beamer. Ariz., Colo., N. M. 71, 10:104, 1937.  
 ignavus Ball. Ariz. 13, 31:18, 1936.  
 jucundus (Uhler). Eastern and Iowa, Mo. 79, 1:34, 1889 (*Scaphoideus*).  
 knulli DeLong and Beery. Ariz. 91, 37:266, 1937.  
 limosus DeLong. N. J., Pa., Tenn., Va. 39, 34:179, 1941.  
 lineatus Beamer. Ariz. 71, 10:106, 1937.  
 mirus (Van Duzee). Calif. 17, 14:419, 1925 (*Scaphoideus*).  
 omani Beamer. Ariz. 71, 10:100, 1937.  
 pallidus Beamer. Ariz. 71, 10:105, 1937.  
 parallelus DeLong and Knull. Ariz. 39, 34:178, 1941.  
 ritanus Ball. Ariz. 132, 22:17, 1932.  
 rotundus Beamer. Ala., Conn., D. C., Fla., Ga., Miss., S. C. 71, 10:93, 1937.  
 scalaris (Van Duzee). Eastern and Ariz., Calif., Iowa, Kans., Mo., Wash.  
 36, 6:51, 1890 (*Scaphoideus*).  
 spicatus Beamer. Ariz. 71, 10:103, 1937.  
 tenuis Beamer. Ariz. 71, 10:97, 1937.  
 unicolor (Osborn). Eastern and Texas. 21, 19:196, 1900.  
 (*Scaphoideus consors* var. *unicolor*)

PRESCOTTIA Ball, 132, 22:16, 1932

*Scaphoideus lobatus* Van Duzee

- brickellia Ball. Ariz. 132, 22:16, 1932.  
 lobata (Van Duzee). Eastern and Iowa. 15, 5:199, 1894 (*Scaphoideus*).

PLATYMETOPIUS Burmeister, 32, pl. 14, subg. 4, 1838

*Jassus rostratus* Herrich-Schaeffer

- palliolutus (Ball). Tex. 19, 34:13, 1902 (*Eutettix*).  
 vitellina (Fitch). Eastern and Br. Col., Ia., Manitoba, Nebr., N. D., S. D.,  
 Utah, Wash. 52, p. 57, 1851 (*Acocephalus*).  
*furcata* (Osborn). N. Y. 89, p. 516, 1905 (*Paramesus*).  
*twiningi* (Uhler). 127, 4:511, 1878 (*Jassus*).

JAPANANUS Ball, 19, 63:217, 218, 1931

*Platymetopius hyalinus* Osborn

- hyalinus (Osborn). D. C., Ill., Ohio, Pa. 38, 11:501, 1900 (*Platymetopius*).  
*cinctus* (Matsumura). 123, 5:215, 1914 (*Platymetopius*).

## SCAPHYTOPIUS Ball, 19, 63:217, 218, 1931

*Platymetopius elegans* Van Duzee

- elegans* (Van Duzee). Calif. 36, 6:94, 1890 (*Platymetopius*).  
 var. *floridanus* Ball. Fla. 19, 63:220, 1931.  
 var. *glennanus* Ball. Ariz. 19, 63:220, 1931.  
 var. *roseus* Ball. Fla. 19, 63:221, 1931.

## CLOANTHANUS Ball, 19, 63:217, 219, 1931

*Platymetopius angustatus* Osborn

- abbreviatus* (DeLong). Tenn. 100, 17:39, 1916 (*Platymetopius*).  
*abruptus* (Ball). Ariz. 38, 20:165-66, 1909 (*Platymetopius*).  
*acutus* (Say). Eastern states and Br. Col., Calif., Colo., Mo., Kans., Utah.  
 1, 6:306, 1831 (*Jassus*).  
*analis* (Van Duzee). Lower Calif. 17, 12:181, 1923 (*Platymetopius*).  
 var. *castranus* (Ball). Ariz. 19, 63:228, 1931 (*Convelinus*).  
*andromus* (Ball). Fla. 19, 63:221, 1931 (*Nasutoideus*).  
*angustatus* (Osborn). Mo., N. Y. 89, p. 518, 1905 (*Platymetopius*).  
*anisacanus* (Ball). Ariz. 19, 63:222, 1931 (*Nasutoideus*).  
*argutus* DeLong. Ga. 91, 45:24, 1945.  
*atratus* DeLong. Ill. 91, 45:27, 1945.  
*bicolor* (DeLong). Tenn. 100, 17:38, 1916 (*Platymetopius*).  
*calliandrus* (Ball). Ariz. 19, 63:222, 1931 (*Nasutoideus*).  
*carolinus* (Lathrop). S. C. 91, 17:123, 1917 (*Platymetopius*).  
*celtidis* (Ball). Ariz. 19, 63:224, 1931 (*Nasutoideus*).  
*cinereus* (Osborn and Ball). Ariz., Fla., Ia., Kans., Neb., N. C., Tenn.  
 69, 4:193, 1897 (*Deltocephalus*).  
*cinnamoneus* (Osborn). Me. 78, 238:114, 1915 (*Platymetopius*).  
*collaris* (Sanders and DeLong). Pa. 39, 12:232, 1919 (*Platymetopius*).  
*compactus* (Ball). Calif. 38, 27:176, 1916 (*Platymetopius*).  
*cuprescens* (Osborn). Colo., Me., N. Y., N. C., Ont., Que., Tenn., Utah.  
 89, p. 517, 1905 (*Platymetopius*).  
*desertanus* (Ball). Ariz. 19, 63:225, 1931 (*Nasutoideus*).  
*diabolus* (Van Duzee). Calif. 17, 14:413, 1925 (*Platymetopius*).  
*dixianus* (Ball). Calif., Utah. 38, 20:163, 1909 (*Platymetopius*).  
*dodonanus* (Ball). Ariz. 19, 63:225, 1931 (*Nasutoideus*).  
*dorsalis* (Ball). Kans. 38, 20:164, 1909 (*Platymetopius*).  
 \**dubius* (Van Duzee). Br. Col., Calif., Colo., Kans., Mo., Ohio, Tenn,  
 Utah. 4, 3:220, 1910 (*Platymetopius*).  
*filamentus* DeLong. Pa. 91, 45:22, 1945.  
*frontalis* (Van Duzee). Eastern and Calif., Ia., Kans., Mo. 19, 22:112, 1890  
 (*Platymetopius*).  
*fulvus* (Osborn). N. Y., Ohio, Pa. 89, p. 519, 1905 (*Platymetopius*).  
*fuscifrons* (Van Duzee). Ariz., Calif. 15, 5:206, 1894 (*Platymetopius*).  
*graneticus* (Ball). Ariz. 19, 63:226, 1931 (*Platymoideus*).  
*guterranus* (Ball). Ariz. 19, 63:227, 1931 (*Platymoideus*).  
*hastus* DeLong. Ill., Mo., Ohio. 91, 45:24, 1945.  
*heldoranus* (Ball). Ariz. 19, 63:226, 1931 (*Nasutoideus*).

- hymenocleae (Van Duzee). Gulf of Calif. 17, 12:178, 1923 (*Platymetopius*).  
 irroratus (Van Duzee). Ariz., Calif. 39, 3:227, 1910 (*Platymetopius*).  
     var. nogalinus (Ball). Ariz. 19, 63:226, 1931 (*Nasutoideus*).  
 jocosus (Van Duzee). Gulf of Calif. 17, 12:179, 1923 (*Platymetopius*).  
 lanceus DeLong. Ala. 91, 45:26, 1945.  
 latus (Baker). Ont., Que. 19, 32:50, 1900 (*Platymetopius*).  
 loricatus (Van Duzee). Calif., Colo., Fla. 15, 5:205, 1894 (*Platymetopius*).  
 magdalensis (Provancher). Eastern states. 100, 3:275, 1889 (*Platymetopius*).  
 nasutus (Van Duzee). Calif., Colo. 15, 8:64, 1907 (*Platymetopius*).  
 nigricollis (Ball). Ariz., Calif., Utah. 38, 27:205, 1916 (*Platymetopius*).  
 nigrifrons (DeLong). Conn. 23, 34:103, 1923 (*Platymetopius*).  
 nigriviridis (Ball). Calif., Utah. 38, 20:163, 1909 (*Platymetopius*).  
 obscurus (Osborn). N. Y., Ohio, Pa. 92, 5:274, 1905 (*Platymetopius*).  
 oregonensis (Baker). Calif., Colo., N. Mex., Ore., Utah. 19, 32:49, 1900  
     (*Platymetopius*).  
 ovioidus Ball. Fla. 19, 63:227, 1931 (*Platymoideus*).  
 parvus (Lathrop). Ala., S. Car. 91, 17:122, 1917 (*Platymetopius*).  
     var. niger DeLong. Ala. 91, 45:27, 1945.  
 pexatus (Van Duzee). Calif. 17, 41:415, 1925 (*Platymetopius*).  
 rubellus (Sanders and DeLong). Va. 39, 12:231, 1919 (*Platymetopius*).  
 scriptus (Ball). Kans., Tenn. 38, 20:165, 1909 (*Platymetopius*).  
 scutellatus (Van Duzee). Gulf of Calif. 17, 12:180, 1923 (*Platymetopius*).  
 slossonae (Van Duzee). Calif., Fla. 39, 3:222, 1910 (*Platymetopius*).  
 speciosus (Van Duzee). Gulf of Calif. 17, 12:179, 1923 (*Platymetopius*).  
 tenuis DeLong. S. D., Utah. 91, 45:24, 1945.  
 torridus (Ball). Calif., Nev., Utah. 38, 27:205, 1916 (*Platymetopius*).  
 triangularis DeLong. Ill. 91, 45:27, 1945.  
 trilineatus (Ball). Calif. 38, 27:204, 1916 (*Platymetopius*).  
 vaccinii DeLong. Ill. 91, 45:27, 1945.  
 varius DeLong. Ill. 91, 45:26, 1945.  
 verecundus (Van Duzee). Fla., N. C. 39, 3:227, 1910 (*Platymetopius*).  
 xanthanus (Ball). Ariz. 19, 63:225, 1931 (*Nasutoideus*).

TUMEUS DeLong, 13, 38:168, 1943

*Platymetopius majestus* Ball

- majestus (Ball). Calif. 38, 20:164, 1909 (*Platymetopius*).  
 texanus DeLong. Tex. 13, 38:170, 1943.

HEBENARUS DeLong, 96, 20:42, 1944

*Hebenarus pallidus* DeLong

- \*catalinus (Ball). Ariz. 19, 41:82, 1909 (*Scaphoideus*).  
 huachucus DeLong. Ariz. 96, 22:41, 1944.  
 ritanus (Ball). Ariz. 19, 43:221, 1931 (*Scaphytopius*).

ACURHINUS Osborn, 91, 20:158, 1920

*Dorydium maculatus* Osborn

- pyrops (Crumb). Md., N. C., Ohio, Pa., Tenn., Va. 39, 8:191, 1915  
     (*Deltocephalus*).

## FLEXAMIA DeLong, 94, 2:22, 1926

*Deltocephalus reflexus* Osborn and Ball

- abbreviata* (Osborn and Ball). Colo., Ia., Kans., Neb., N. D., S. D., Tex. 69, 4:206, 1897 (*Deltocephalus*).
- albida* (Osborn and Ball). Ia., Kans., Mo., Neb., S. D. 69, 4:201, 1897 (*Deltocephalus*).
- areolata* (Ball). Ariz., Kans., Mo., N. Y., S. C. to Miss. 19, 31:188, 1899 (*Deltocephalus*).
- atlantica* DeLong. Mass., N. J. 94, 2:29, 1926.
- bidentata* DeLong. Ill. 39, 28:155, 1935.
- curvata* DeLong. Kans. 94, 2:34, 1926.
- decora* Beamer and Tuthill. Colo. 71, 7:2, 1934.
- doeringae* Beamer and Tuthill. Ariz., Colo. 71, 7:3, 1934.
- flexulosa* (Ball). Colo., Kans., N. D., S. D. 19, 31:189, 1899 (*Deltocephalus*).
- funabula* (Crumb). Kans. 39, 8:189, 1915 (*Deltocephalus*).
- graminea* DeLong. Kans. 94, 2:30, 1926.
- grammica* (Ball). Colo., Nebr. 19, 32:204, 1900 (*Deltocephalus*).
- imputans* (Osborn and Ball). Ia., Kans., Wis. 27, 7:75, 1898 (*Deltocephalus*).
- inflata* (Osborn and Ball). Colo., Fla., Ia., Kans., N. J., Ohio, Pa., Wis. 69, 4:202, 1897 (*Deltocephalus*).
- modica* Beamer and Tuthill. N. Mex. 71, 7:3, 1934.
- pectinata* (Osborn and Ball). Ia., Kans., Neb., S. D., Wis. 69, 4:205, 1897 (*Deltocephalus*).
- picta* (Osborn). Kans., Md., Miss., N. Y., Ohio, Pa., Tenn., Va. 27, 10:165, 1907 (*Deltocephalus*).
- prairiana* DeLong. Ill. 96, 13:32, 1937.
- producta* (Walker). Me., Mo., Nova Scotia. 131, 3:891, 1851 (*Jassus*).
- reflexa* (Osborn and Ball). Colo., Ia., Kans., Minn., Miss., N. C., Tenn., Wis. 69, 4:203, 1897 (*Deltocephalus*).
- ritana* Beamer. Ariz. 19, 68:257, 1936.
- rubranura* DeLong. Ill. 39, 28:154, 1935.
- sandersi* (Osborn). Conn., Miss. to Gulf, Ohio, Pa., Tenn. 27, 10:164, 1907 (*Deltocephalus*).
- serrata* Beamer and Tuthill. Br. Col. 71, 7:4, 1934.
- stylata* (Ball). Ia., Neb. 19, 31:190, 1899 (*Deltocephalus*).
- surcula* DeLong and Slesman. Tex. 39, 22:99, 1929.
- visenda* (Crumb). Fla., Ga., Kans., N. J. 39, 8:189, 1915 (*Deltocephalus*).

## ALAPUS DeLong and Slesman, 39, 22:86, 1929

*Deltocephalus fraternus* Ball

- acutus* Beamer and Tuthill. Fla. 72, 22:528, 1935.
- angulatus* Beamer and Tuthill. Ga. 72, 22:529, 1935.
- attenuatus* Lawson. Fla. 71, 5:29, 1932.
- elongatus* Beamer and Tuthill. Fla. 72, 22:531, 1935.
- fraternus* (Ball). Fla. 19, 43:201, 1911 (*Deltocephalus*).

marcidus Beamer and Tuthill. Fla. 71, 7:1, 1934.  
mendosus (Ball). Fla. 19, 43:202, 1911 (*Deltocephalus*).

SECOENNIS DeLong and Slesman, 39, 22:85, 1929

*Deltocephalus slossonae* Ball

slossonae (Ball). Fla. 11, 18:119, 1905 (*Deltocephalus*).

LATALUS DeLong and Slesman, 39, 22:87, 1929

*Amblycephalus sayi* Fitch

configuratus (Uhler). Colo., Me., Mont., Wyo. 127, 4:511, 1879  
(*Deltocephalus*).

curtus Beamer and Tuthill. Br. Col. 71, 7:5, 1934.

latidens (Sanders and DeLong). Wis. 41, 12:234, 1919 (*Deltocephalus*).

missellus (Ball). Colo., Me., Minn., Mo., N. H., N. Y., Pa., Utah, Wis.  
19, 31:191, 1899 (*Deltocephalus*).

mundus Beamer-Tuthill. Br. Col., Wyo. 71, 7:6, 1934.

occidentalis DeLong. Ore. 94, 2:41, 1926.

ocellaris (Fallén). Can., Colo., Kans., N. Y. 49, p. 33, 1826 (*Cicada*).

sayi (Fitch). Colo., Dak., Ia., Kans., Ky., Me., Mass., Miss., Mo., N. H.,  
N. J., N. Y., N. C., Ohio, Ont., Pa., Que., Tenn. 52, p. 61, 1851  
(*Amblycephalus*).

sobrinus DeLong and Slesman. Alberta. 39, 22:100, 1929.

uncinatus Beamer and Tuthill. Ariz., N. Mex. 71, 7:6, 1934.

vagus Beamer and Tuthill. N. Mex. 71, 7:7, 1934.

PALUS DeLong and Slesman, 39, 22:85, 1929

*Deltocephalus delector* Sanders and DeLong

acutus Beamer. Ind., Ia., Pa. 19, 70:226, 1938.

bilineatus (Gillette and Baker). Colo., Ia. 22, p. 85, 1895 (*Deltocephalus*).

delector (Sanders and DeLong). Me., N. H., N. Y., Ohio, Pa. 39, 12:233,  
1919 (*Deltocephalus*).

fasciatus Beamer. Manitoba, N. Dak. 19, 70:228, 1938.

luteocephalus (Sanders and DeLong). S. D., Wis. 39, 10:84, 1917  
(*Deltocephalus*).

marginatus (DeLong). Me., N. D., Wis. 91, 18:228, 1918 (*Deltocephalus*).

paludosus (Ball). Colo. 19, 31:307, 1899 (*Deltocephalus*).

POLYAMIA DeLong, 94, 2:20, 46, 1926

*Deltocephalus weedi* Van Duzee

alboneura (DeLong). Ill., Miss., Tenn. 91, 18:236, 1918 (*Deltocephalus*).

algosa DeLong and Davidson. Wis. 19, 67:165, 1935.

apicata (Osborn). Eastern and Md., Vt. 19, 32:285, 1900 (*Deltocephalus*).

arundinea (Crumb). Fla., Ill., Miss., N. C., Tenn. 39, 8:191, 1915  
(*Deltocephalus*).

brevipennis DeLong and Davidson. Ala. 19, 67:164, 1935.

- compacta (Osborn and Ball). Eastern and Ia., Kans., Wis. 69, 4:217, 1897  
(*Deltocephalus*).
- decisus (DeLong). Fla. 94, 2:55, 1926 (*Deltocephalus*).
- dilata DeLong. Ill. 96, 13:33, 1937.
- gramma DeLong. Ill. 39, 28:156, 1935.
- herbida DeLong. Ill. 39, 28:155, 1935.
- incerta Beamer and Tuthill. Ariz. 71, 7:13, 1934.
- inimica (Say). Coast to coast. 1, 6:305, 1831 (*Deltocephalus*).
- interrupta (DeLong). Ill., Mass., N. Y., N. C., Ohio, Pa., Tenn. 100, 17:51,  
1916 (*Deltocephalus*).
- kansiensis Tuthill. Kans. 71, 3:46, 1930.
- lassus (Ball). Calif., Mont., Wyo. 38, 27:175, 1916 (*Athysanus*).
- lobata Beamer and Tuthill. Fla. 71, 7:8, 1934.
- micaria (Ball). Fla., Ga., Miss., N. C., S. C. 19, 43:203, 1911  
(*Deltocephalus*).
- montana DeLong and Slesman. Mont., Wash. 39, 22:101, 1929.
- multicella Beamer and Tuthill. Ariz. 71, 7:14-15, 1934.
- nana Beamer and Tuthill. Fla. 71, 7:9, 1934.
- nebulosa (Ball). Colo. 19, 32:341, 1900 (*Lonatura*).
- obtecta (Osborn and Ball). Eastern and Ia., Kans., Mo. 27, 7:78, 1898  
(*Deltocephalus*).
- pulla Beamer and Tuthill. Fla. 71, 7:11, 1934.
- ritana Beamer and Tuthill. Ariz. 71, 7:11, 12, 1934.
- rossi DeLong. Ill. 96, 13:32, 1937.
- sabina Beamer and Tuthill. Ariz. 71, 7:15-16, 1934.
- santana Beamer and Tuthill. Ariz. 71, 7:12, 1934.
- satur (Ball). Colo., S. D., Tex. 19, 31:309, 1899 (*Deltocephalus*).
- saxosa DeLong. Ill. 39, 28:156, 1935.
- similaris DeLong and Davidson. Ill., Tenn. 19, 67:164, 1935.
- singularis Beamer and Tuthill. Ariz. 71, 7:13, 1934.
- tantilla Beamer and Tuthill. Ariz. 71, 7:10, 1934.
- texana (DeLong). Tex. 94, 2:50, 1926 (*Deltocephalus*).
- vinnulus (Crumb). Tenn. 39, 8:192, 1915 (*Deltocephalus*).
- weedi (Van Duzee). Eastern and Ia., Kans., Miss. 3, 19:306, 1892  
(*Deltocephalus*).

## HEBECEPHALUS DeLong, 94, 2:20, 58, 1926

*Deltocephalus signatifrons* Van Duzee

- accuratus Beamer. N. Mex. 71, 11:79, 1938.
- acutus Beamer. Manitoba. 71, 11:79, 1938.
- adversus Beamer and Tuthill. Oregon. 72, 22:536, 1935.
- algidus DeLong and Davidson. Alaska. 19, 67:166, 1935.
- balli Beamer. Ariz. 19, 68:252, 1936.
- blandus (Gillette). Colo. 22, 43:26, 1898 (*Deltocephalus*).
- borealis DeLong and Davidson. Alberta. 19, 67:166, 1935.
- caecus Beamer. Oregon. 19, 68:255, 1936.
- callidus (Ball). Washington. 19, 31:306, 1899 (*Deltocephalus*).

crassus DeLong. Wyo. 94, 2:61, 1926.  
 cruciatus (Osborn and Ball). Ia., N. D. 27, 7:77, 1898 (*Deltocephalus*).  
 discessus (Van Duzee). Calif. 17, 14:416, 1925 (*Deltocephalus*).  
 firmus Beamer. Wyo. 19, 68:253, 1936.  
 funestus Beamer. N. Mex. 71, 10:61, 1937.  
 furcillatus Beamer and Tuthill. N. Mex. 72, 22:537, 1935.  
 hilaris Beamer. Wyo. 19, 68:252, 1936.  
 irritus Beamer. Nev. 19, 68:253, 1936.  
 merus Beamer. Ariz. 71, 10:61, 1937.  
 neomexicanus Tuthill. N. Mex. 71, 3:44, 1930.  
 obliquus DeLong and Davidson. Idaho. 19, 67:165, 1935.  
 occidentalis Beamer and Tuthill. Colo., Mont. 72, 22:535, 1935.  
 pagosus Beamer. Colo. 71, 11:78, 1938.  
 rostratus Beamer and Tuthill. Ariz. 72, 22:534, 1935.  
 sagittatus Beamer and Tuthill. Ore. 72, 22:533, 1935.  
 scriptanus Oman. Ariz. 41, 36:77, 1934.  
 sexmaculatus (Gillette and Baker). Colo. 22, 31:88, 1895 (*Deltocephalus*).  
 signatifrons (Van Duzee). Colo., Ia., Kans., Mont., Nebr., N. Mex., Utah,  
 Wyo. 3, 19:305, 1892 (*Deltocephalus*).  
 subitus Beamer. N. Mex. 71, 10:60, 1937.  
 tener Beamer and Tuthill. Colo. 71, 7:16, 1934.  
 truncatus Beamer and Tuthill. Saskatchewan. 72, 22:534, 1935.  
 vinculatus (Ball). Colo., Labrador. 19, 31:191, 1899 (*Deltocephalus*).

LAEVICEPHALUS DeLong, 94, 2:21, 64, 1926

*Deltocephalus sylvestris* Osborn and Ball

abdominalis (Fabricius). Colo., Labr., Me., N. H., N. Y., Ont., Que.  
 48, p. 98, 1803 (*Cercopis*).  
 acus (Sanders and DeLong). Conn., N. Y., Pa., Wis. 97, 3(1):10, 1920  
 (*Deltocephalus*).  
 angelus Oman. Calif. 132, 27:478, 1937.  
 aridus Oman. Ariz. 41, 36:77, 1934.  
 auratus (Gillette and Baker). Colo., Mont., N. D., Wyo. 22, 31:85, 1895  
 (*Deltocephalus*).  
 austrinus DeLong and Davidson. Texas. 19, 67:169, 1935.  
 bidentatus DeLong and Davidson. Colo. 19, 67:169, 1935.  
 bimaculatus Gillette and Baker. Colo. 22, 31:86, 1895.  
 bocanus Oman. Texas. 41, 36:78, 1934.  
 canadensis (DeLong). Canada. 94, 2:71, 1926 (*Deltocephalus*).  
 caricis (Gillette and Baker). Colo. 22, 31:95, 1895 (*Thamnoteitix*).  
 cartwrighti Oman. Calif. 41, 34:90, 1932.  
 cinerosus (Van Duzee). Calif. 3, 19:305, 1892 (*Deltocephalus*).  
 collinus (Boheman). Colo., Ia., Kans., N. Mex., N. D., S. D., Wyo.  
 119, p. 261, 1849 (*Deltocephalus*).  
 concinnus (Sanders and DeLong). Wis. 39, 10:86, 1917 (*Deltocephalus*).  
 convergens (DeLong). Colo. 94, 13:70, 1926 (*Deltocephalus*).  
 cookei (Gillette). Colo., S. D. 22, 43:24, 1898 (*Deltocephalus*).



- debilis (Uhler). Colo., Wyo. 127, 1:360, 1876 (*Deltocephalus*).  
*cadyi* Deay. 19, 59:55, 1927.  
*orbiculus* DeLong and Slesman. 39, 22:103, 1929.  
emarginatus (Gillette and Baker). Colo. 22, 31:96, 1895 (*Thamnotettix*).  
exectus DeLong. Colo., Mont. 94, 2:78, 1926.  
flabellum DeLong. Calif. 91, 38:217, 1938.  
flavo-virens (Gillette and Baker). Br. Col., Calif., Colo., N. Y., Que., Vanc.  
Isd. 22, 31:87, 1895 (*Deltocephalus*).  
helvinus (Van Duzee). Calif. 17, 7:300, 1917 (*Thamnotettix*).  
helvus DeLong. N. D., Wyo. 94, 2:78, 1926.  
hamatus Beamer. Texas. 71, 11:78, 1938.  
hyalinus Beamer. Colo. 71, 11:77, 1938.  
incisurus (DeLong). Manitoba, Wis. 94, 2:77, 1926 (*Deltocephalus*).  
incongruus Oman. Calif. 132, 27:475, 1937.  
joaquinus Oman. Calif. 132, 27:478, 1937.  
labeculus DeLong. Mont., N. D., Wyo. 94, 2:76, 1926.  
larrimeri DeLong. Mont. 94, 2:82, 1926.  
lenis (Van Duzee). Calif. 17, 14:423, 1925 (*Thamnotettix*).  
littoralis (Ball). Atlantic and Gulf coasts. 11, 18:120, 1905 (*Deltocephalus*).  
melsheimerii (Fitch). Colo., Ia., Kans., and Me. to Gulf Coast. 52, p. 61,  
1851 (*Amblycephalus*).  
minimus (Osborn and Ball). Ia., Kans., Neb., S. D., Wis. 69, 4:211, 1897  
(*Deltocephalus*).  
monticolus (Gillette and Baker). Colo. 22, 31:88, 1895 (*Deltocephalus*).  
ordinatus (Ball). Colo., N. D. 19, 31:307, 1899 (*Deltocephalus*).  
orientalis DeLong and Davidson. Can., D. C., Ill., Pa., Tenn., Va.  
19, 67:167, 1935.  
pacificus Oman. Calif. 132, 27:477, 1937.  
parvulus (Gillette). Colo., Kans., Neb. 22, 43:23, 1898 (*Deltocephalus*).  
pascuellus (Fallén). Can., Me., N. Y., Pa. 49, p. 32, 1826 (*Cicada*).  
perpusillus (Ball and DeLong). Mont. 87, 34:241, 1926 (*Deltocephalus*).  
plagus (Ball and DeLong). Wis. 87, 34:241, 1926 (*Deltocephalus*).  
poudris Tuthill. Colo., Wyo. 71, 3:44, 1930.  
pravus DeLong. Ill. 96, 13:34, 1937.  
pupa (Van Duzee). Utah. 17, 14:423, 1925 (*Lonatura*).  
rotundens DeLong and Davidson. Maine. 19, 67:167, 1935.  
saladurus (Ball and DeLong). Nevada. 87, 34:242, 1926 (*Deltocephalus*).  
shingwauki Beamer and Tuthill. Ill., Minn. 71, 7:19-20, 1934.  
siclus DeLong and Davidson. Idaho, S. D., Utah. 19, 67:169, 1935.  
siskiyou Oman. Calif. 132, 27:478, 1937.  
spicatus (DeLong). Kans. 94, 2:74, 1926 (*Deltocephalus*).  
subrutilus DeLong and Slesman. N. D. 39, 22:103, 1929.  
sylvestris (Osborn and Ball). Ia., Me., and Gr. Lakes to Gulf Coast.  
69, 4:213, 1897 (*Deltocephalus*).  
tritus Beamer and Tuthill. Ariz. 71, 7:17-18, 1934.  
uhleri Oman. Colo., Ia., Kans., Me., Mo., N. H., N. Y., Ont., Pa., Tenn.  
132, 21:432, 1931.

- unicoloratus (Gillette and Baker). Colo., Conn., Ia. to N. Y., Kans., Neb., N. H., Pa., S. D., Tenn., Tex. 22, 31:89, 1895 (*Deltocephalus*).  
*nominatus* (Sanders and DeLong). 97, 3:9, 1920 (*Deltocephalus*).  
*oculatus* (Osborn and Ball). 69, 4:212, 1897 (*Deltocephalus*),  
 (homonym).  
*wilsoni* Oman. Calif. 41, 34:91, 1932.

## STRIATUS GROUP

- affinis* (Gillette and Baker). Br. Col., Calif., Colo., Ia., Kans., Me., N. H., N. J., N. Y., Ohio, Ont., Que. 22, 31:84, 1895 (*Deltocephalus*).  
*amplus* DeLong and Davidson. Calif. 19, 67:171, 1935.  
*attenuens* DeLong and Davidson. Wyo. 19, 67:170, 1935.  
*cahuillus* (Van Duzee). Calif. 17, 14:417, 1925 (*Deltocephalus*).  
*cicatrix* DeLong and Slesman. Alberta. 39, 22:102, 1929.  
*evansi* (Ashmead). Alaska. 59, 8:132, 1904 (*Deltocephalus*).  
*excavatus* Oman. Calif., Ore. 132, 21:430, 1931.  
*ferratus* DeLong and Davidson. Pa. 19, 67:170, 1935.  
*harrimani* (Ashmead). Alaska. 59, 8:132, 1904 (*Deltocephalus*).  
*shoshone* DeLong and Davidson. Idaho. 87, 42:221, 1934.  
*striatus* (Linnaeus). Coast to coast. 74, ed. 1, p. 642, 1746 (*Cicada*).  
*latipex* DeLong and Davidson. Colo., Nebr. 19, 67:170, 1935.  
*totalus* DeLong and Davidson. Idaho, Wyo. 19, 67:171, 1935.

## AMPLICEPHALUS DeLong, 94, 2:20, 83, 1926

*Deltocephalus osborni* Van Duzee

- atascasus* Ball. Ariz. 13, 31:20, 1936.  
*concentricus* (Van Duzee). Calif., Colo., Utah, Wyo. 15, 5:208, 1894  
 (*Deltocephalus*).  
*escalantus* (Ball). 38, 27:175, 1916 (*Athysanus*).  
*estacodus* (Ball). Tenn., Tex. 38, 43:200, 1911 (*Athysanus*).  
*ozarcensis* (Gibson). 19, 49:184, 1917 (*Euscelis*).  
*lawsoni* DeLong. Kans., Miss. 3, 52:89, 1926.  
*osborni* (Van Duzee). Colo. to Me., Mo., Nebr., N. Y. 3, 19:304, 1892  
 (*Deltocephalus*).  
*simplarius* (Osborn and Ball). Conn., Md., Mass., N. J., N. Y., Va.  
 92, 2:249, 1902 (*Athysanus*).  
*simplex* Van Duzee. 3, 19:304, 1892 (homonym).

## DELTOCEPHALUS Burmeister, 16, 1:49, 1838

*Cicada pulicarius* Fallén

- artemesiae* (Gillette and Baker). Colo. 22, 31:91, 1895 (*Athysanus*).  
*australis* DeLong. Fla., Miss. 94, 2:90, 1926.  
*balli* Van Duzee. Ia., Ohio, Pa., Wis. 129, p. 71, 1916.  
*nigrifrons* Van Duzee. 3, 21:293, 1894 (homonym).  
*caperatus* Ball. Eastern and Colo., Fla. to Conn., Ia., Nebr. 19, 32:343, 1900.  
*castoreus* Ball. Calif., Colo., Mont., Wyo. 19, 31:308, 1899.  
*giffardi* (Van Duzee). 17, 7:293, 1917 (*Acocephalus*).

- chintinomy DeLong. Ore. 94, 2:92, 1926.  
 comesus DeLong and Sanders. Ariz., Tex. 39, 22:104, 1929.  
 dentatus (Osborn and Ball). Colo., Kans., Wyo. 27, 7:95, 1898 (*Athysanus*).  
 dorsti Oman. Ariz., Colo., Utah. 41, 42:202, 1940.  
 durus Beamer and Tuthill. Ariz. 71, 7:20, 1934.  
 flavicostus Staal. Eastern and Ia., Southern and Kans., Mo. 119, 2:53, 1862  
 (*Jassus*).  
     *flavocostatus* Van Duzee. 19, 24:116, 1892.  
 fumidus Sanders and DeLong. Wis. 39, 10:86, 1917.  
 fuscinervosus Van Duzee. Colo. to Pacific Coast. 15, 5:207, 1894.  
 gnarus Ball. Ia., S. D., Tenn. 19, 32:345, 1900.  
 grex Oman. Ariz., Calif., Colo., Idaho, Nev., N. Mex., Ore., Tex., Utah,  
 Wash. 41, 42:201, 1940.  
 infumatus Osborn. Maine. 78, 238:118, 1915.  
 laredanus Oman. Texas. 41, 36:78, 1934.  
 lineatifrons Oman. Colo. 132, 21:432, 1931.  
 luteoapicalis Beamer. Texas. 71, 11:81, 1938.  
 marinus Metcalf and Osborn. Fla., N. C. 39, 13:111, 1920.  
 megalopus Osborn and Ball. Ia. 27, 7:85, 1898.  
 minutus Van Duzee. Calif., Ia. 36, 6:96, 1890.  
 nigriventer Sanders and DeLong. N. Y., Que., S. D., Wis. 39, 10:85, 1917.  
 obesus Osborn and Ball. Ariz., Mex., Tex. 27, 7:81, 1898.  
 playensis Oman. Ariz., N. Mex. 41, 42:202, 1940.  
 pulicarius (Fallén). Me., N. Y. 50, p. 95, 1807 (*Cicada*).  
 punctatus (Osborn and Ball). Calif., Ia., Nebr. 27, 7:94, 1898 (*Athysanus*).  
 sonorus Ball. Ariz., Calif., Fla., Kans., Miss., N. Mex., N. C., S. D., Tenn.,  
 Tex. 19, 32:344, 1900.  
 valens Beamer and Tuthill. Colo., Wyo. 71, 7:20, 1934.  
 vanduzeei Gillette and Baker. Colo. to Pacific Coast. 22, 31:90, 1895.  
 yavapai Tuthill. Ariz., Tex. 71, 3:45, 1930.  
 zephyrius Van Duzee. Wash. 17, 14:418, 1925.

## UNERUS DeLong, 91, 36:219, 1936

*Deltocephalus colonus* Uhler

- colonus (Uhler). Fla., Tenn. 136, p. 80, 1895 (*Deltocephalus*).  
     *villicus* (Crumb). 39, 8:194, 1915 (*Athysanus (Stirellus)*).

## UNOKA Lawson, 39, 21:456, 1928

*Athysanus ornatus* Gillette

- ornata (Gillette). Ariz., Colo., Kans., Neb., N. Mex., Tex. 22, 43:29, 1898  
 (*Athysanus*).

## LONATURA Osborn and Ball, 27, 7:83, 1898

*Lonatura catalina* Osborn and Ball

- balli DeLong. Fla. 3, 52:97, 1926.  
 bicolor Van Duzee. Ala., Fla. 15, 9:221, 1909.  
     var. *mellea* DeLong. Fla. 87, 32:64, 1924.

catalina Osborn and Ball. Ill., Ia., S. D., Tenn. 27, 7:83, 1898.  
 delicata Beamer. N. Mex. 71, 11:32, 1938.  
 melina DeLong. Colo., Utah. 3, 52:100, 1926.  
 noctivaga Ball. Colo. 19, 32:342, 1900.  
 notata Osborn. Fla., Miss. 54, 6:18, 1922.  
 punctifrons Beamer. Colo. 71, 11:31, 1938.  
 rotunda Beamer. Manitoba. 71, 12:26, 1939.  
 salsura Ball. Colo., Neb., Utah. 19, 31:310, 1899.  
 turbinea (DeLong and Davidson). Colo. 19, 67:171, 1935 (*Deltocephalus*).

AMBLYSELLUS Sleesman, 36, 10:93, 131, 1929

*Amblycephalus curtisii* Fitch

curtisii (Fitch). Northeastern states and Ia., Mo., Tenn. 52, p. 61, 1851  
 (*Amblycephalus*).

GILLETTIELLA Osborn, 39, 23:689, 1930

*Deltocephalus labiatus* Gillette

atropuncta (Gillette). Colo., Kans., Nebr., Tex. 22, 43:28, 1898  
 (*Deltocephalus*).

fasciata Ball and Beamer. N. Mex. 72, 26:69, 1940.  
 labiata (Gillette). Colo. 22, 43:26, 1898 (*Deltocephalus*).

AMPHIPYGA Osborn, 90, 14:289, 1928

*Amphipyga balli* Osborn

acuticauda (Baker). Colo., Ill., Ia., Me., Mont., N. Y., N. D., S. D. 101,  
 8:187, 1898 (*Athysanella*).

anzana Ball and Beamer. Calif. 72, 26:32, 1940.

ardua Ball and Beamer. Colo. 72, 26:27, 1940.

aridella Osborn. Ariz. 39, 23:693, 1930.

*californica* Osborn. 39, 23:696, 1930.

attenuata (Baker). Colo., N. M. 101, 8:188, 1898 (*Athysanella*).

*alta* Osborn. 39, 23:693, 1930.

*extrusa* Osborn. 39, 23:703, 1930.

balli Osborn. Ia., Ohio. 90, 14:289, 1928.

hamata Ball and Beamer. Colo., N. Mex., Wyo. 72, 26:37, 1940.

kansana Ball and Beamer. Kans. 72, 26:41, 1940.

minor Ball and Beamer. Calif. 72, 26:35, 1940.

var. major Ball and Beamer. Calif. 72, 26:36, 1940.

modesta Ball and Beamer. Calif. 72, 26:40, 1940.

nigrofascia DeLong and Davidson. Calif. 87, 42:222, 1934.

nimbata Ball and Beamer. Ariz. 72, 26:30, 1940.

obesa Ball and Beamer. Ariz., Colo., Texas. 72, 26:34, 1940.

occidentalis (Baker). Colo., N. D. 101, 8:186, 1898 (*Athysanella*).

*minuta* (Baker). Colo. 101, 8:189, 1898 (*Athysanella*).

playana Ball and Beamer. Ariz. 72, 26:27, 1940.

reticulata Osborn. Utah. 39, 23:691, 1930.

rubicunda Ball and Beamer. Colo., Kans., N. Mex., S. Dak. 72, 26:28, 1940.  
 skullana Ball and Beamer. Ariz. 72, 26:28, 1940.  
 stylata Osborn. Colo. 39, 23:694, 1930.  
 triodana Ball and Beamer. Ariz. 72, 26:30, 1940.  
 turgida Ball and Beamer. Ariz., Calif. 72, 26:36, 1940.  
 wilburi Ball and Beamer. Kans. 72, 26:38, 1940.

ATHYSANELLA Baker, 101, 8:185, 1898

*Athysanella magdalena* Baker

aspera Ball and Beamer. Calif. 72, 26:17, 1940.  
 bifida Ball and Beamer. Colo., Dak., N. Mex., Wyo. 72, 26:23, 1940.  
 foeda Ball and Beamer. Wyo. 72, 26:19, 1940.  
 fredonia Ball and Beamer. Ariz., Colo., N. Mex., Utah. 72, 26:12, 1940.  
 gardenia Osborn. Colo. 39, 23:701, 1930.  
 globosa Ball and Beamer. Ariz. 72, 26:18, 1940.  
 incerta Ball and Beamer. Colo., Wyo. 72, 26:15, 1940.  
 incongrua Baker. Colo. 101, 8:188, 1898.  
 kanabana Ball and Beamer. Ariz., N. Mex., Utah. 72, 26:20, 1940.  
 laeta Ball and Beamer. Ariz., N. Mex. 72, 26:16, 1940.  
 magdalena Baker. Colo., N. Mex. 101, 8:185, 1898.  
 parca Ball and Beamer. N. Mex. 72, 26:15, 1940.  
 plana Ball and Beamer. Calif. 72, 26:13, 1940.  
 planata Ball and Beamer. Calif. 72, 26:24, 1940.  
 robusta Baker. Colo., Ia., Kans., Nebr. 101, 8:187, 1898.  
*montana* Osborn. 39, 23:700, 1930.  
 rostrata Ball and Beamer. Calif. 72, 26:21, 1940.  
 salsa Ball and Beamer. Kans., Tex. 72, 26:20, 1940.  
 supina Ball and Beamer. Texas. 72, 26:22, 1940.  
 tenera Ball and Beamer. Nevada. 72, 26:17, 1940.  
 terebrans (Gillette and Baker). Colo. 22, 31:102, 1895 (*Eutettix*).  
 utahna Osborn. Id., Ore., Utah, Wash. 39, 23:705, 1930.  
 yumana Osborn. Ariz. 39, 23:704, 1930.

PECTINOPYGA Osborn, 39, 23:697, 1930

*Pectinopyga texana* Osborn

texana Osborn. Kans., Tex. 39, 23:697, 1930.  
*aridicola* (Osborn). 39, 23:707, 1930 (*Gladionura*).

BRACHYDELLA Ball and Beamer, 72, 26:9, 64, 1940

*Brachydella abdominalis* Ball and Beamer

abdominalis Ball and Beamer. Ariz. 72, 26:64, 1940.

PEDUMELLA Ball and Beamer, 72, 26:65, 1940

*Pedumella spatulata* Ball and Beamer

recurvata (Osborn). Ariz. 39, 23:706, 1930 (*Gladionura*).  
 spatulata Ball and Beamer. Ariz., Colo., N. Mex., Utah. 72, 26:66, 1940.

## KINONIA Ball, 13, 28:224, 1933

*Kinonia elongata* Ball

*elongata* Ball. Arizona. 13, 28:224, 1933.

## GLADIONURA Osborn, 39, 23:706, 1930

*Deltocephalus argenteolus* Uhler

*adunca* Ball and Beamer. Ariz. 72, 26:53, 1940.  
*alsa* Ball and Beamer. N. Mex. 72, 26:49, 1940.  
*arcana* Ball and Beamer. Ariz., N. Mex., Tex. 72, 26:62, 1940.  
*argenteola* (Uhler). Colo., Kans. 127, 3:473, 1877 (*Deltocephalus*).  
*blanda* Ball and Beamer. Ariz., N. Mex. 72, 26:45, 1940.  
     var. *vana* Ball and Beamer. Ariz. 72, 26:46, 1940.  
*callida* Ball and Beamer. N. Mex. 72, 26:46, 1940.  
*casa* Ball and Beamer. Ariz., Colo., N. Mex., Utah. 72, 26:48, 1940.  
*clavata* Ball and Beamer. Ariz., N. Mex., Tex. 72, 26:57, 1940.  
*concava* Ball and Beamer. N. Mex. 72, 26:55, 1940.  
*contracta* Ball and Beamer. Ariz., Colo., Kans., Okla., N. Mex., Tex. 72,  
     26:61, 1940.  
*curtipennis* (Gillette and Baker). Colo. 22, 31:92, 1895 (*Athysanus*).  
*curvata* Ball and Beamer. Colo. 72, 26:60, 1940.  
*dentata* Ball and Beamer. Colo. 72, 26:59, 1940.  
*directa* Ball and Beamer. Tex. 72, 26:57, 1940.  
*diversa* Ball and Beamer. Ariz. 72, 26:64, 1940.  
*dubia* Ball and Beamer. Ariz. 72, 26:44, 1940.  
*emarginata* Osborn. Tex. 39, 23:708, 1930.  
*excavata* Osborn. Tex. 39, 23:704, 1930.  
*furculata* Ball and Beamer. Ariz. 72, 26:50, 1940.  
*libera* Ball and Beamer. Ariz., N. Mex. 72, 26:51, 1940.  
*lunata* Ball and Beamer. N. Mex. 72, 26:55, 1940.  
*molesta* Ball and Beamer. Tex. 72, 26:52, 1940.  
*nacazarana* Osborn. Ariz. 39, 23:711, 1930.  
*nigroventralis* Ball and Beamer. N. Mex., Tex. 72, 26:59, 1940.  
*rata* Ball and Beamer. Colo., N. Mex. 72, 26:50, 1940.  
*sagittata* Ball and Beamer. Ariz., N. Mex. 72, 26:62, 1940.  
*sinuata* Osborn. Colo. 39, 23:707, 1930.  
     subsp. *lobata* Ball and Beamer. N. Mex. 72, 26:54, 1940.  
*truncata* Ball and Beamer. N. Mex. 72, 26:45, 1940.  
*uncinata* Ball and Beamer. Ariz., Tex. 72, 26:47, 1940.  
*viridia* Osborn. Kans. 39, 23:710, 1930.

## DRIOTURA Osborn and Ball, 27, 7:87, 1898

*Athysanus gammaroides* Van Duzee

*gammaroides* (Van Duzee). East of Rockies. 15, 5:209, 1894 (*Athysanus*).  
     var. *flava* Osborn and Ball. Ill., Ia., Miss., N. Y., Utah. 27, 7:90, 1898.  
     var. *fulva* Ball. Colo., Ill., Kans., Tenn., Tex., Utah. 19, 35:231, 1903.

robusta Osborn and Ball. Colo., Ia., Kans., Miss., N. C., Tenn. 27, 7:87, 1898.

vittata Ball. Ariz., Colo., Kans., N. Mex., Tex. 19, 35:231, 1903.  
var. nigra Lawson. Ariz., Colo., N. Mex. 39, 21:456, 1928.

DORATURA J. Sahlberg, 113, 12:291, 1871

*Athysanus stylatus* Bohemann

stylata (Bohemann). Minn., Wis. 119, p. 31, 1847 (*Athysanus*).

ATHYSANUS Burmeister, 16, 1:No. 21, p. 48, 1838-46

*Cicada argentata* Fabricius

almus (Van Duzee). Calif. 17, 14:421, 1925 (*Euscelis*).

argentatus (Fabricius). Me., Mass., N. H., Va. 45, 4:38, 1794 (*Cicada*).

frigidus Ball. Calif., Colo., Idaho, Nev., N. D., Utah. 38, 10:172, 1899.

EXITIANUS Ball, 3, 55:5, 1929

*Cicadula exitiosa* Uhler = *Thamnotettix obscurinervis* Staal

kinoanus Ball. Ariz., Mexico. 13, 31:72, 1936.

obscurinervis (Staal). Throughout U. S., Haiti, Mex. 116, 4:293, 1859  
(*Thamnotettix*).

picatus (Gibson). 11, 32:26, 1919 (*Athysanus*).

LIMOTETTIX Sahlberg, 113, 12:224, 1871

*Cicada striola* Fallén

divaricatus (Sanders and DeLong). Idaho, Pa. 41, 25:151, 1923 (*Euscelis*).

frenatus (Germar). Calif., Colo., Ill., Ia., Me., N. J., N. Y., Ohio, Ont., Pa.,  
Que., Vanc. Isd. 77, 4:86, 1821 (*Jassus*).

medianus (Lawson). Minn. 39, 24:588, 1931 (*Drylix*).

nigrax Medlar. Minn. 82, 155:82, 1942.

parallelus (Van Duzee). Northeastern states to Colo. 19, 23:169, 1891  
(*Athysanus*).

striolus (Fallén). Northeastern states and Colo., N. D., S. D. 119, 27:31,  
1806 (*Cicada*).

truncatus (Sleesman). Kans., Mo., Ohio. 36, 10:100, 1929 (*Drylix*).

uneolus (Ball). Utah. 3, 55:6, 1929 (*Drylix*).

utahus (Lawson). Utah. 39, 24:590, 1931 (*Drylix*).

EUSCELIS Brullé, 14, 3:109, 1832

*Euscelis lineolatus* Brullé

alpinus (Ball). Colo., N. H. 38, 10:173, 1899 (*Athysanus*).

extrusus (Van Duzee). Northeastern states. 19, 25:283, 1893 (*Athysanus*).

hyperboreus Van Duzee. Alaska. 92, 3:4F, 1919.

maculipennis DeLong and Davidson. Idaho. 87, 42:221, 1934.

obsoletus (Kirschbaum). U. S. 73, 5:7, 1858 (*Athysanus*).

ovatus Sanders and DeLong. Kans., Tex. 97, 3:16, 1920.

- relativus (Gillette and Baker). Northeastern states and Ill. 22, 31:93, 1895  
(*Athysanus*).  
sahlbergi (Reuter). Ill., Ia., New England, Ohio, S. D., Wis. 112, 5:209,  
1880 (*Athysanus*).  
*deceptus* Sanders and DeLong. 39, 10:87, 1917.

## OPHIOLA Edwards, 37, 58:206-207, 1922

*Cicada striatula* Fallén

- angustata (Osborn). Me., N. Y. 74, 238:130, 1915 (*Athysanus*).  
anthracina (Van Duzee). Northeastern states and Colo., Ia., Kans. 19,  
26:136, 1894 (*Athysanus*).  
*gagates* (Osborn). 69, 1:126, 1892 (*Euscelis*).  
arctostaphyli (Ball). Colo., Conn., Me., N. H. 38, 10:172, 1899  
(*Athysanus*).  
bullata (Ball). Calif. 19, 34:17, 1902 (*Thamnotettix*).  
calvata (Ball). Colo., Idaho, Utah. 38, 27:173, 1916 (*Athysanus*).  
*glomerosa* (Ball). 19, 43:308, 1910 (*Thamnotettix*).  
comptoniana Ball. N. J., N. Y., Pa. 13, 23:189, 1928.  
cornicula (Marsh). Northeastern states. 37, 3:119, 1866 (*Jassus*).  
*plutonias* (Uhler). 127, 3:470, 1877 (*Jassus*).  
*instabilis* (Van Duzee). 19, 25:284, 1893 (*Athysanus*).  
*elongata* (Osborn). 78, 238:129, 1915 (*Athysanus*).  
cuneata (Sanders and DeLong). Eastern states. 97, 3:17, 1920 (*Euscelis*).  
finitima (Van Duzee). B. C., Calif., Mont., Ore. 17, 14:422, 1925  
(*Euscelis*).  
gentilis (Van Duzee). Calif., Mont., Ore. 17, 14:420, 1925 (*Euscelis*).  
humida (Osborn). Me., Wis. 74, 238:131, 1915 (*Athysanus*).  
luteola Slesman. Mass. 36, 10:120, 1929.  
osborni Ball. Me. to Mont., Colo., Ont., and south to Md. 13, 23:190, 1928.  
shasta (Ball). Calif. 38, 28:174, 1916 (*Athysanus*).  
striatula (Fallén). Me. to Iowa and Colorado. 49, p. 45, 1826 (*Cicada*).  
var. *cacheola* Ball. Utah. 13, 23:189, 1928.  
symphoricarpae (Ball). Colo., Mass., Wis. 19, 33:5, 1901 (*Athysanus*).  
uhleri (Ball). Northeastern states and Colo., S. D. 19, 43:200, 1911  
(*Athysanus*).  
var. *speculata* Ball. N. Y. 13, 23:187, 1928.  
vaccinii (Van Duzee). Me., Mass., N. J., N. Y., Ont., Pa., Que., R. I. 36,  
6:135, 1890 (*Athysanus*).  
vara (Ball). Colo. 19, 33:5, 1901 (*Athysanus*).

## COMMELLUS Osborn and Ball, 92, 2:245, 1902

*Athysanus comma* Van Duzee

- colon (Osborn and Ball). Ia., Minn. 69, 4:223, 1897 (*Athysanus*).  
comma (Van Duzee). Colo., Ia., Kans., Nebr., N. H., N. Y. 19, 24:114,  
1892 (*Athysanus*).  
planus Thomas. Utah. 71, 6:133, 1933.  
sexvittatus (Van Duzee). Colo., Mont. 19, 26:93, 1894 (*Athysanus*).



## STIRELLUS Osborn and Ball, 92, 2:250, 1902

*Athysanus bicolor* Van Duzee

- beameri Ball. Ariz. 13, 28:226, 1933.  
 bicolor (Van Duzee). Kans., Miss., N. J., and Md. to Ia. and Nebr. and south. 19, 24:114, 1892 (*Athysanus*).  
 convexus Thomas. Ia., Kans., La. 71, 6:130, 1933.  
 dixianus Thomas. Miss., N. C. 71, 6:131, 1933.  
   var. acutus Thomas. Ala., Fla., Miss. 71, 6:132, 1933.  
   var. robustus Thomas. Kans., Miss., Tex. 71, 6:132, 1933.  
 mexicanus Osborn and Ball. Ark., Tex. 92, 2:254, 1902.  
 obtutus (Van Duzee). Miss., throughout South and Southwest. 19, 24:115, 1892 (*Athysanus*).  
 osborni Knull. Florida. 91, 44:240, 1944.

## PENESTIRELLUS Beamer and Tuthill, 71, 7:21, 1934

*Penestirellus catalinus* Beamer and Tuthill

- catalinus Beamer and Tuthill. Arizona. 71, 7:22, 1934.

## REMADOSUS Ball, 3, 55:2, 3, 1929

*Athysanus magnus* Osborn and Ball

- drakei (Osborn). Fla. 54, 6:19, 1922 (*Euscelis*).  
 fumidus (Osborn). Fla., Ga. 54, 6:19, 1922 (*Euscelis*).  
 magnus (Osborn and Ball). Wyo., Colo. to Ia. and Minn., Fla., Kans., La., Miss., Nebr. 69, 4:225, 1897 (*Athysanus*).  
   var. piccus (Osborn). Miss. 54, 6:20, 1922 (*Euscelis*).

## ALIGIA Ball, 27, 12:31, 53, 75, 1907

*Jassus jucunda* Uhler

- acutata Hepner. Ariz., Kans. 71, 12:109, 1939.  
 atrivena Hepner. Ariz., N. Mex. 71, 12:113, 1939.  
 bifasciata Hepner. Ariz. 71, 12:112, 1939.  
 bifurcata Hepner. Ariz., Kans. 71, 12:108, 1939.  
 californica Van Duzee. Calif., Ore. 17, 14:411, 1925.  
 chiricana Ball. Ariz. 96, 7:121, 1931.  
   subsp. alta Hepner. Ariz. 71, 12:107, 1939.  
 colei Van Duzee. Calif. 17, 14:412, 1925.  
 curtipennis Hepner. Ariz., Colo., N. Mex., Utah. 71, 12:116, 1939.  
 dellana Ball. Ariz. 96, 7:120, 1931.  
   subsp. suffusca Hepner. Calif. 71, 12:105, 1939.  
 descripta Ball. Ariz. 96, 7:119, 1931.  
 falcata Hepner. Ariz. 71, 12:115, 1939.  
 illumina (Ball). Ariz. 19, 41:80, 1909 (*Mesamia*).  
 inscripta (Van Duzee). Calif. 36, 6:92, 1890 (*Allygus*).  
 jucunda (Uhler). Ariz., Calif., Colo., Md., N. Mex., Tex., Utah. 127, 3:469, 1877 (*Jassus*).

lutea Hepner. Ariz. 71, 12:106, 1939.  
 magna Hepner. Ariz. 71, 12:114, 1939.  
 manitou (Ball). Colo., N. Mex. 19, 33:49, 1901 (*Eutettix*).  
 meridiana Hepner. Kans., Miss., Tex. 71, 12:108, 1939.  
 modesta (Osborn and Ball). D. C., Ia., N. C., Pa. 27, 7:98, 1898 (*Eutettix*).  
 munda (Ball). Ariz., N. Mex. 19, 33:48, 1901 (*Eutettix*).  
 obesa Hepner. N. M., Tex. 71, 12:110, 1939.  
 obtusa Hepner. Ariz. 71, 12:114, 1939.  
 occidentalis Van Duzee. Calif. 17, 14:413, 1925.  
 oculea (Ball). Colo. 19, 33:50, 1901 (*Eutettix*).  
 pallida Hepner. Ariz. 71, 12:106, 1939.  
 pallidinota Hepner. Calif. 71, 12:110, 1939.  
 reticulata Hepner. Calif. 71, 12:112, 1939.  
 rotunda Hepner. Ariz. 71, 12:111, 1939.  
 santana Ball. Ariz. 96, 7:121, 1931.  
 turbinata Ball. Ariz. 96, 7:120, 1931.  
 utahna Hepner. Utah. 71, 12:117, 1939.

MESAMIA Ball, 27, 12:31, 59, 75, 1907

*Mesamia nigridorsum* Ball

coloradensis (Gillette and Baker). Calif., Colo., Utah. 22, 31:91, 1895  
 (*Allygus*).  
   *immaculata* (Ball). 19, 37:211, 1905 (*Paramesus*).  
 diana Van Duzee. Calif. 17, 14:410, 1925.  
 infuscata Beamer. N. Mex. 19, 74:45, 1942.  
 irrorella (Staal). Calif. 116, 4:295, 1858 (*Athysanus*).  
 ludoviciana Ball. Wis. 13, 26:93, 1931.  
 nervosa Osborn. Ala., La. 54, 6:20, 1922.  
 nigridorsum Ball. Eastern states and Colo., Dak., Ia., Kans., Utah. 27,  
 12:60, 1907.  
 obtusa Beamer. Ariz., N. Mex. 19, 74:44, 1942.  
 pagana Van Duzee. Utah. 17, 14:409, 1925.  
 prescotia Ball. Ariz. 13, 26:92, 1931.  
 retusa Beamer. Calif. 19, 74:45, 1942.  
 straminea (Osborn). Calif., Colo., Dak., Ia., Kans., Neb., Utah. 69, 5:241,  
 1898 (*Paramesus*).  
   var. *dolosa* Ball. Colo. 13, 26:91, 1931.  
 tarbela Ball. Ariz. 13, 26:91, 1931.  
 vermiculata Beamer. Kans. 19, 74:44, 1942.  
 visalia Ball. Calif. 19, 48:128, 1916.

BANDARA Ball, 19, 26:93, 1931

*Eutettix johnsoni* Van Duzee

animana (Ball). Colo. 19, 41:81, 1909 (*Mesamia*).  
 aurata (Ball). D. C., Ohio, Pa. 19, 41:81, 1909 (*Mesamia*).  
 johnsoni (Van Duzee). Eastern and Iowa. 19, 26:137, 1894 (*Eutettix*).

## OPSIUS Fieber, 130, 16:505, 1866

*Opsius stactogalus* Fieber

- stactogalus Fieber. Coast to coast. 130, 16:505, 1866.  
*osborni* Ball. 27, 12:39, 1907.

## EUTETTIX Van Duzee, 101, 6:306, 1892

*Thamnotettix luridus* Van Duzee

- acutus Hepner. Ariz. 72, 28:259, 1942.  
 aequalis Hepner. Ariz. Colo., N. Mex., Utah. 72, 28:265, 1942.  
   subsp. eberneus Hepner. Ariz. 72, 28:267, 1942.  
 apicalis Hepner. Ariz. 72, 28:268, 1942.  
 bartschi Van Duzee. Fla. 15, 9:223, 1909.  
 borealis Hepner. Mass. 72, 28:286, 1942.  
 coronatus Ball. Calif. 19, 48:127, 1916.  
 discolor Hepner. Kans., N. Mex. 72, 28:288, 1942.  
 flavus Hepner. Fla. 72, 28:281, 1942.  
 fulvous Hepner. Fla. 72, 28:284, 1942.  
 glennanus Ball. Ariz. 54, 15:2, 1931.  
 gonianus Ball. Ariz. 54, 15:1, 1931.  
 grandis Hepner. Ariz. 72, 28:261, 1942.  
 hibernus Hepner. Fla. 72, 28:285, 1942.  
 insanus Ball. Calif., Colo., Utah. 19, 32:203, 1900.  
 latus Hepner. Calif., Ore. 72, 28:264, 1942.  
 luridus (Van Duzee). Eastern states only. 19, 22:250, 1890 (*Thamnotettix*).  
 marmoratus Van Duzee. Eastern and Colo., N. D. 3, 19:302, 1892.  
   *brunneus* Osborn. 93, 22:530, 1905.  
 minutus Hepner. Okla., Tex. 72, 28:284, 1942.  
 nitens Van Duzee. Fla. 15, 9:223, 1909.  
   subsp. pellucidus Hepner. Fla. 72, 28:280, 1942.  
 parvus Hepner. Fla. 72, 28:282, 1942.  
 pauperculus Ball. Colo., Utah. 19, 35:228, 1903.  
 pediculus Hepner. Fla., Kans., La., Tenn. 72, 28:273, 1942.  
 pictus Van Duzee. Eastern and Ark. 3, 19:301, 1892.  
   *magnus* Osborn. 38, 7:395, 1900.  
 prinoides Hepner. N. Mex., Tex. 72, 28:272, 1942.  
 planus Hepner. Ariz. 72, 28:260, 1942.  
 querci Gillette and Baker. Colo., Utah. 22, 31:101, 1895.  
   subsp. albus Hepner. N. Mex., Tex. 72, 28:270, 1942.  
 rubianus (Ball). Ariz. 132, 26:432, 1936 (*Ollarianus*).  
 rugosus Hepner. Ariz. 72, 28:262, 1942.  
 slossonae Van Duzee. D. C., Fla., Mass., N. J., Tex. 15, 5:210, 1894.  
 southwicki Van Duzee. Colo., D. C., Ia., Md., N. J., N. Y. 15, 5:209, 1894.  
 subaeneus (Van Duzee). Calif., Colo. 36, 6:77, 1890 (*Thamnotettix*).  
 subspinosus Hepner. Ariz. 72, 28:264, 1942.  
 tenellus (Baker). Ariz., Calif., Colo., Fla., N. Mex., Utah. 101, 7:Suppl.,  
 p. 24, 1896 (*Thamnotettix*).

tristis Ball. D. C., Fla., Ga., Md., N. J. 27, 12:34, 1907.  
variabilis Hepner. Ark. 72, 28:269, 1942.

OLLARIANUS Ball, 13, 31:59, 1936

*Eutettix balli* Van Duzee

armus (Ball). Ariz. 13, 28:227, 1933 (*Exitianus*).  
bullatus Ball. Ariz. 132, 26:433, 1936.  
ollus Ball. Ariz. 132, 26:433, 1936.  
rudiculus Ball. Ariz. 132, 26:434, 1936.  
strictus (Ball). Ariz., Colo., Tex. 19, 32:204, 1900 (*Eutettix*).  
*minor* (DeLong). 93, 23:6, 1919 (*Chlorotettix*).

NORVELLINA Ball, 54, 15:2, 1931

*Eutettix mildredae* Ball

apachana Ball. Ariz., N. Mex. 54, 15:4, 1931.  
bicolorata (Ball). Ark., Utah. 19, 37:212, 1905 (*Eutettix*).  
var. inflata Lindsay. Ariz., Calif., Nev., N. M. 71, 11:113, 1938.  
chenopodii (Osborn). Eastern and Colo., Ia., Kans., Mo., Nebr. Utah. 91,  
23:161, 1923 (*Eutettix*).  
clarivida (Van Duzee). Colo., Mo., Utah. 19, 26:138, 1894 (*Eutettix*).  
columbiana (Ball). Wash. 19, 48:125, 1916 (*Eutettix*).  
curvata Lindsay. Wyo. 71, 11:121, 1938.  
excavata Lindsay. Tex. 71, 11:119, 1938.  
flavida Lindsay. Ariz., Mex., N. M., Tex. 71, 11:114, 1938.  
glaucia Lindsay. Calif. 71, 11:122, 1938.  
helenae Ball. Fla., Ky., Mo., Tex. 54, 15:3, 1931.  
mildredae (Ball). Ariz., Colo., N. Mex. 19, 33:45, 1901 (*Eutettix*).  
var. minuta Lindsay. Tex. 71, 11:114, 1938.  
nevada (Ball). Nev. 19, 48:126, 1916 (*Eutettix*).  
numerosa Lindsay. Ariz., Calif., Nev., N. Mex., Utah. 71, 11:117, 1938.  
pannosa (Ball). Calif. 19, 34:12, 1902 (*Eutettix*).  
perelegantis (Ball). Colo., Utah. 19, 33:46, 1901 (*Eutettix*).  
pulchella (Baker). Ariz., Ia., N. Mex. 101, 7:24, 1896 (*Eutettix*).  
pullata (Ball). Ariz., Colo., N. Mex., Utah. 19, 33:48, 1901 (*Eutettix*).  
rostrata Lindsay. Calif. 71, 11:120, 1938.  
rubida (Ball). Utah. 19, 48:126, 1916 (*Eutettix*).  
*oregona* Ball. 54, 15:3, 1931.  
saucia (Ball). Calif., Colo., Utah. 19, 33:46, 1901 (*Eutettix*).  
scabra (Osborn and Ball). Ia. 27, 7:96, 1898 (*Eutettix*).  
scitula (Ball). Ariz., Colo., N. Mex., Utah. 19, 33:47, 1901 (*Eutettix*).  
seminuda (Say). Eastern and Ia., Kans., Mo., Tex. 1, 6:307, 1831  
(*Eutettix*).  
snowi (Ball). Ariz. 27, 12:49, 1907 (*Eutettix*).  
texana (Ball). Tex. 27, 12:52, 1907 (*Eutettix*).  
varia Lindsay. Calif., Utah. 71, 11:116, 1938.  
vermiculata Lindsay. Colo., Idaho, Utah. 71, 11:115, 1938.

## MENOSOMA Ball, 54, 15:4-5, 1931

*Menosoma stonei* Ball

cincta (Osborn and Ball). Eastern and Colo., Ia., Tex. 27, 7:97, 1898  
(*Eutettix*).

var. binaria Ball. Fla. 54, 15:5, 1931.

stonei Ball. Fla. 54, 15:5, 1931.

## SPATHANUS DeLong, 13, 39:158, 1944

*Athysanus acuminatus* Baker

acuminatus (Baker). Southwest. 101, 7:25, 1896 (*Athysanus*).

## OMANANA DeLong, 76, 4:293, 1941

*Athysanus litigiosa* Ball

litigiosa (Ball). Ariz., Mex. 19, 33:51, 1901 (*Athysanus*).

tortolita (Ball). Ariz. 54, 15:6, 1931 (*Menosoma*).

## ORIENTUS DeLong, 91, 38:217, 1938

*Phlepsius ishidaei* Matsumura

ishidaei (Matsumura). N. J. 80, 25:382, 1902 (*Phlepsius*).

*tinctorius* (Sanders and DeLong). 39, 12:235, 1919 (*Phlepsius*).

## DIXIANUS Ball, 39, 11:381, 387, 1918

*Phlepsius (Dixianus) utahnus* Ball

amoenus (Van Duzee). Calif, Gulf. 17, 12:176, 1923 (*Aligia*).

condalianus Ball. Ariz. 96, 8:89, 1931.

var. ursinus Ball. Ariz. 96, 8:89, 1931.

loculatus Ball. Calif., Utah. 19, 48:128, 1916.

lycioides Ball. Ariz. 96, 8:88, 1931.

var. mohavensis Ball. Ariz. 96, 8:88, 1931.

nevadus Ball. Nev. 96, 8:87, 1931.

stellaris Ball. Utah. 19, 48:129, 1916.

utahnus (Ball). N. Mex., Utah. 19, 41:79, 1909 (*Phlepsius*).

*ziczac* (Crumb). Tex. 39, 8:195, 1915 (*Eutettix*).

*arizonus* Osborn and Lathrop. 39, 16:316, 1923.

## \*IOWANUS Ball, 39, 11:382, 1918

*Phlepsius handlirshi* Ball

borrori (DeLong). Minn., Ohio, Wis. 91, 39:237, 1939 (*Texananus*).

bullatus (DeLong). N. Mex. 91, 39:237, 1939 (*Texananus*).

caducus (DeLong). Ill., Okla., Tenn. 91, 39:238, 1939 (*Texananus*).

dicentrus (DeLong). Ill. 91, 39:236, 1939 (*Texananus*).

majestus (Osborn and Ball). Ia., N. J., N. C., Ohio, Tex. 69, 4:229, 1897  
(*Phlepsius*).

## TEXANANUS Ball, 39, 11:381, 384, 1918

*Phlepsius (Texananus) mexicanus* Ball

- angus DeLong. Okla., Tex. 91, 38:42, 1938.  
 areolatus (Baker). Kansas. 19, 30:30, 1898 (*Phlepsius*).  
 bialtus DeLong. Texas. 96, 14:185, 1938.  
 cumulatus (Ball). Kans., Nebr., Wash. 19, 32:202, 1900 (*Phlepsius*).  
   *notatipes* (Osborn and Lathrop). 39, 16:343, 1923 (*Phlepsius*).  
 decorus (Osborn and Ball). Fla., Ill., Ia., Me., N. C., Ohio, Tenn. 69,  
 4:230, 1897 (*Phlepsius*).  
 delicatus (Osborn and Lathrop). Calif. 39, 16:347, 1923 (*Phlepsius*).  
 denticulus (Osborn and Lathrop). Calif. 39, 16:345, 1923 (*Phlepsius*).  
 distinctus (Lathrop). Fla., Miss., N. C., S. C. 91, 17:129, 1917 (*Phlepsius*).  
 dolus DeLong. Utah. 96, 14:186, 1938.  
 dorothyae DeLong. Arizona. 81, 1:387, 1939.  
 excultus (Uhler). Eastern states. 127, 3:467, 1877 (*Jassus*).  
 gladius DeLong. Ariz., Tex. 91, 38:41, 1938.  
 graphicus (Ball). Colo., Nebr. 19, 32:201, 1900 (*Phlepsius*);  
 incurvatus (Osborn and Lathrop). Ariz., Calif. 39, 16:346, 1923  
 (*Phlepsius*).  
 lathropi (Baker). Oregon. 98, 27:159, 1925 (*Phlepsius*).  
   *annulatus* (Osborn and Lathrop). 39, 16:342, 1923 (*Phlepsius*),  
 (homonym).  
 latipex DeLong. Ariz., Idaho, Nev., Ore. 13, 38:124, 1943.  
 marmor (Sanders and DeLong). Manitoba. 41, 25:152, 1923 (*Phlepsius*).  
 monticolus DeLong. N. M., Utah. 13, 38:125, 1943.  
 neomexicanus (Baker). N. M. 101, 7:13, 1895 (*Phlepsius*).  
 oregonus Ball. Ariz., Calif., Ore., Wash. 96, 8:85, 1931.  
   *manus* DeLong. 91, 38:42, 1938.  
 ovatus (Van Duzee). Colo., Kans., Ore., Tex. 3, 19:79, 1892 (*Phlepsius*).  
 pergradus DeLong. N. M., Tex., Utah. 96, 14:185, 1938.  
 personatus (Baker). Arizona. 19, 30:30, 1898 (*Phlepsius*).  
 rufusculus (Osborn and Lathrop). Mo., Ohio. 39, 16:340, 1923 (*Phlepsius*).  
 sabinus (Sanders and DeLong). Arizona. 97, 3:15, 1920 (*Phlepsius*).  
 sonorus (Ball). Arizona. 13, 31:19, 1936 (*Texananus*).  
 spatulatus (Van Duzee). Calif., Colo., Kans., Tex. 3, 19:78, 1892  
 (*Phlepsius*).  
   *cinerosus* (Osborn and Lathrop). 39, 16:347, 1923 (*Phlepsius*).  
 superbus (Van Duzee). Fla. to Calif., S. C. 3, 19:81, 1892 (*Phlepsius*).  
 ultratus DeLong. Ariz., Ark. 13, 38:126, 1943.  
 vermiculatus DeLong. Ariz., Tex. 91, 38:42, 1938.

## \*PARAPHLEPSIUS Baker, 19, 29:158, 1897

*Paraphlepsius ramosus* Baker

- abruptus (DeLong). Tenn. 76, 1:238, 1938 (*Phlepsius*).  
 albidus (Ball). Ariz., Colo., Utah. 19, 32:203, 1900 (*Phlepsius*).  
 altus (Osborn and Ball). Western prairies and plains. 69, 4:228, 1897  
 (*Phlepsius*).

- apertinus (Osborn and Lathrop). Calif., Ore. 39, 16:329, 1923 (*Phlepsius*).  
 apertus (Van Duzee). Northern states, Me. to Rocky Mts. 3, 19:76, 1892  
 (*Phlepsius*).  
 attractus (Ball). Ala., Fla., N. C., S. C. 19, 41:77, 1909 (*Phlepsius*).  
     *floridanus* (Ball). 19, 41:78, 1909 (*Phlepsius*).  
     *graniticus* (Osborn and Lathrop). 39, 16:317, 1923 (*Phlepsius*).  
 bifidus (Sanders and DeLong). N. Y., Wis. 39, 10:89, 1917 (*Phlepsius*).  
 bipartitus (DeLong). Fla. 3, 52:90, 1926 (*Phlepsius*).  
 brunneus (DeLong). Each Sister Isd., Lake Erie, Tenn. 100, 17:74, 1916  
 (*Phlepsius*).  
 carolinus (Lathrop). S. C., Tenn. 91, 17:127, 1917 (*Phlepsius*).  
 certus (DeLong). Wisconsin. 91, 38:44, 1938 (*Phlepsius*).  
 cinereus (Van Duzee). Colo., Fla., Miss., Mo., N. C., Tenn., Tex. 3, 19:68,  
 1892 (*Phlepsius*).  
 collitus (Ball). Me. to Fla. and west to Ia. 19, 35:227, 1903 (*Phlepsius*).  
 continuus (DeLong). Texas. 76, 1:239, 1938 (*Phlepsius*).  
 dentatus (Baker). Md. 38, 9:65, 1898 (*Phlepsius*).  
 denudatus (Ball). Ariz., Calif., N. M. 19, 33:11, 1901 (*Phlepsius*).  
     var. *carpulus* (Ball). Ariz. 96, 8:87, 1931 (*Phlepsius* (*Dixianus*)).  
 divergens (Oman). Texas. 132, 21:435, 1931 (*Phlepsius*).  
 eburneolus (Osborn and Lathrop). Va. 39, 16:331, 1923 (*Phlepsius*).  
 electus (DeLong). Ill., Mo. 91, 38:44, 1938 (*Phlepsius*).  
 extremus (Ball). Calif., Colo., Ore. 19, 33:10, 1901 (*Phlepsius*).  
 fastuosus (Ball). N. M. 19, 37:210, 1905 (*Phlepsius*).  
 fulviceps (Osborn and Lathrop). La. 39, 16:333, 1923 (*Phlepsius*).  
 fulvidorsum (Fitch). Eastern states to Rocky Mts. 52, p. 62, 1851 (*Jassus*).  
 fuscipennis (Van Duzee). N. Y., eastern to Fla. 3, 19:70, 1892 (*Phlepsius*).  
     var. *turpiculus* (Ball). Colo., Ga., Ill., Kans., La., Mo., Nebr., Tex.,  
     S. C. 19, 32:200, 1900 (*Phlepsius*).  
     var. *seminolus* (DeLong). Fla. 76, 1:237, 1938 (*Phlepsius*).  
 hemicolor (Sanders and DeLong). S. D., Wis. 41, 25:152, 1923 (*Phlepsius*).  
 humidus (Van Duzee). Conn., Me., Md., N. H., N. J., N. Y., Ohio, Pa.,  
 Tenn. 3, 19:76, 1892 (*Phlepsius*).  
 incisus (Van Duzee). Mass., Mich., N. Y., Ohio, Pa., Tenn. 3, 19:73, 1892  
 (*Phlepsius*).  
 irroratus (Say). Coast to coast. 1, 6:308, 1831 (*Jassus*).  
 lascivius (Ball). Ariz., Colo., Mex., Mont., Nebr., N. D. 19, 32:200, 1900  
 (*Phlepsius*).  
     *micronotatus* (Osborn and Lathrop). 39, 16:321, 1923 (*Phlepsius*).  
 latifrons (Van Duzee). Fla., Ga., N. C., Tenn. 3, 19:66, 1892 (*Phlepsius*).  
 lippulus (Ball). Fla., Miss., Tex. 19, 35:227, 1903 (*Phlepsius*).  
 lobatus (Osborn). Ia., Kans., Wis. 69, 5:247, 1898 (*Phlepsius*).  
 maculellus (Osborn). Me., N. Y. 78, 238:141, 1915 (*Phlepsius*).  
 maculosus (Osborn). Ohio. 39, 16:319, 1923 (*Phlepsius*).  
     *maculatus* (Osborn). Ohio. 92, 5:276, 1905 (homonym), (*Phlepsius*).  
 mimus (Baker). Fla., N. J., N. C. 38, 9:67, 1898 (*Phlepsius*).  
     *cottoni* (Sanders and DeLong). 11, 24:98, 1922 (*Phlepsius*).  
 nigrifrons (Ball). Ark. 19, 37:210, 1905 (*Phlepsius*).

- nudus (Ball). Fla. 19, 43:204, 1911 (*Phlepsius*).  
 obvius (Oman). Texas. 132, 21:435, 1931 (*Phlepsius*).  
 occidentalis (Baker). Calif., Ore., Wash. 38, 9:66, 1898 (*Phlepsius*).  
 operculatus (Ball). Fla. 19, 59:265, 1927 (*Phlepsius*).  
 optatus (Crumb). Tenn. 39, 8:194, 1915 (*Phlepsius*).  
 pallidus (Van Duzee). Texas. 3, 19:69, 1892 (*Phlepsius*).  
 palustris (Sanders and DeLong). Fla. 41, 25:153, 1923 (*Phlepsius*).  
 particolor (Sanders and DeLong). Pa. 97, 3:15, 1920 (*Phlepsius*).  
 planus (Sanders and DeLong). Fla. 41, 24:98, 1922 (*Phlepsius*).  
 punctiscriptus (Van Duzee). Fla., Kans., Nebr., Tenn., Tex. 3, 19:75, 1892  
 (*Phlepsius*).  
 pusillus (Baker). D. C., Md., N. C. 38, 9:66, 1898 (*Phlepsius*).  
     *collinus* (Osborn and Lathrop). 39, 16:324, 1923 (*Phlepsius*).  
 ramosus Baker. Northeastern states. 19, 29:158, 1897.  
     *tenuifrons* (Sanders and DeLong). 39, 12:235, 1919 (*Phlepsius*).  
 rileyi (Baker). Texas. 19, 30:32, 1898 (*Phlepsius*).  
 rossi (DeLong). Conn., Ill. 91, 38:43, 1938 (*Phlepsius*).  
 siclus (DeLong). Fla. 76, 1:238, 1938 (*Phlepsius*).  
 slossonae (Ball). Fla., N. C., S. C. 19, 37:209, 1905 (*Phlepsius*).  
 solidaginis (Walker). Eastern states to Colo., Kans. 131, 3:847, 1851  
 (*Acocephalus*).  
     *nebulosus* (Van Duzee). 3, 19:77, 1892 (*Phlepsius*).  
 strobi (Fitch). Md., N. H., N. Y., Ohio. 52, p. 58, 1851 (*Bythoscopus*).  
     *uhleri* (Van Duzee). 3, 19:67, 1892 (*Phlepsius*).  
     *franconianus* (Ball). 19, 35:228, 1903 (*Phlepsius*).  
 supinus (DeLong). Va. 91, 38:217, 1938 (*Phlepsius*).  
 tenensus (DeLong). D. C., N. C., Ohio, S. C. 100, 17:75, 1916 (*Phlepsius*).  
     *similis* (Lathrop). 91, 17:128, 1917 (*Phlepsius*).  
 texanus (Baker). Texas. 19, 30:31, 1898 (*Phlepsius*).  
 tigrinus (Ball). D. C., Ohio. 19, 41:80, 1909 (*Phlepsius*).  
 torridus (Lathrop). N. C., S. C., Va. 91, 17:126, 1917 (*Phlepsius*).  
 truncatus (Van Duzee). Fla. to Ia., Pa. 3, 9:72, 1892 (*Phlepsius*).  
 tubus (Ball). Ala., D. C., N. C. 19, 41:78, 1909 (*Phlepsius*).  
 tullahomi (DeLong). Ala., Ohio, Tenn. 100, 17:73, 1916 (*Phlepsius*).  
 vanduzeei (Ball). Colo. 19, 33:9, 1901 (*Phlepsius*).  
 umbrosus (Sanders and DeLong). Wis. 39, 10:88, 1917 (*Phlepsius*).

## TROPICANUS DeLong, 41, 46:87, 1944

*Allygus costumaculatus* Van Duzee

- costumaculatus (Van Duzee). Texas. 15, 5:207, 1894 (*Allygus*).  
     *pulchripennis* (Baker). 38, 9:65, 1898 (*Phlepsius*).

## JOSANUS DeLong, 76, 1:244, 1938

*Phlepsius josea* Ball

- joseus (Ball). Colo. 19, 32:347, 1900 (*Phlepsius*).



## FIEBERIELLA Signoret, 115, 10:67, 1880

*Selenocephalus florii* Staal

*florii* (Staal). Conn., Ill. 115, 4:67, 1864 (*Selenocephalus*).  
*atropunctata* (DeLong). 23, 34:131, 1923 (*Phlepsius*).

## ACINOPTERUS Van Duzee, 101, 6:307, 1892

*Acinopterus acuminatus* Van Duzee

*acuminatus* Van Duzee. Eastern states and Ariz., Calif., Colo., La., Utah.  
 101, 6:308, 1892.  
*angulatus* Lawson. Southwestern states. 72, 14:119, 1922.  
*spatiosus* Lawson. 96, 6:136, 1930.  
*bakeri* Lawson. Ariz. 39, 20:238, 1927.  
*inflatus* Lawson. 39, 20:235, 1927.  
*brunneus* Ball. Nevada. 19, 35:231, 1903.  
*corniger* Beamer and Lawson. Calif. 39, 31:481, 1938.  
*excavatus* Beamer and Lawson. Calif. 39, 31:482, 1938.  
*fuscifrons* Lawson. Texas. 71, 4:59, 1931.  
*inornatus* (Baker). Ariz., Calif., Nev., N. Mex. 101, 7:13, 1895 (*Phlepsius*).  
*aridellus* Osborn. 96, 2:22, 1925.  
*arizonanus* Lawson. 39, 20:234, 1927.  
*pruinus* Lawson. 39, 20:235, 1927.  
*balli* Lawson. 39, 20:236, 1927.  
*lactus* Lawson. 39, 20:233, 1927.  
*catalinanus* Lawson. 39, 20:237, 1927.  
*parvulus* Lawson. 39, 20:237, 1927.  
*molestus* Beamer and Lawson. Calif. 39, 31:484, 1938.  
*morongoensis* Knull. Calif. 38, 55:62, 1944.  
*obtutus* Lawson. Ariz., Nev. 72, 14:127, 1922.  
*parallelus* Beamer. Calif. 71, 17:21, 1944.  
*pennatus* Beamer and Lawson. Calif. 39, 31:481, 1938.  
*productus* Lawson. Nev., Tex. 72, 14:122, 1922.  
 var. *albidus* Lawson. Ariz. 39, 20:236, 1927.  
 var. *fulvus* Lawson. Ariz. 39, 20:236, 1927.  
*doeringae* Lawson. 39, 22:235, 1927.  
*pulchellus* Lawson. Ariz. 39, 20:234, 1927.  
*quadricornis* Beamer and Lawson. Calif. 39, 31:485, 1938.  
*rileyi* Lawson. Texas. 39, 20:238, 1927.  
*rostratus* Beamer and Lawson. Calif. 39, 31:481, 1938.  
*rubicundus* Beamer and Lawson. Utah. 39, 31:477, 1938.  
*rubrus* Lawson. Calif. 71, 4:59, 1931.  
*longipennis* Lawson. 71, 4:60, 1931.  
*viridis* Ball. Calif., Dak., Tex., Utah. 19, 35:231, 1903.  
 var. *variegatus* Ball. Ariz., Colo. 19, 35:231, 1903.  
 var. *pallidus* Lawson. 72, 14:124, 1922.  
 var. *latus* Lawson. 39, 20:237, 1927.  
*elongatus* Lawson. 39, 20:238, 1927.

## IDIODONUS Ball, 13, 31:57, 1936

*Jassus kennicotti* Uhler

- aurantiacus (Provancher). Que. 86, 4:377, 1872 (*Jassus*).  
 beameri Ball. Ariz. 13, 32:28, 1937.  
 belli (Uhler). Eastern states and Ariz., Br. Col., Colo. 127, 3:471, 1877  
 (*Jassus*).  
 var. gillettii (Van Duzee). Colo. 19, 24:267, 1892 (*Thamnotettix*).  
 var. brunneus (Osborn). Me. 78, 238:135, 1915 (*Thamnotettix*).  
 brittoni (Osborn). Conn., N. C., Tenn. 27, 10:166, 1907 (*Thamnotettix*).  
 cockerelli (Ball). Colo., Me. 19, 32:339, 1900 (*Thamnotettix*).  
 coquilletti (Van Duzee). Calif., Colo. 36, 6:77, 1890 (*Thamnotettix*).  
 delongi Ball. Fla. 13, 32:26, 1937.  
 graeculus (Ball). Colo. 19, 33:6, 1901 (*Thamnotettix*).  
 heidemanni (Ball). Calif., Colo. 19, 32:338, 1900 (*Thamnotettix*).  
 var. chenonus Ball. Calif. 13, 32:26, 1937.  
 kennicotti (Uhler). Eastern states and Br. Col., Colo. 3, 2:161, 1863  
 (*Jassus*).  
 kirkaldyi (Ball). Calif. 19, 43:197, 1911 (*Thamnotettix*).  
 morsei (Osborn). Me. 78, 238:134, 1915 (*Thamnotettix*).  
 osborni (Ball). Colo., Nebr. 19, 32:337, 1900 (*Thamnotettix*).  
 rufescens (Osborn). Me. 78, 238:135, 1915 (*Thamnotettix*).  
 schwartzi (Ball). Ariz., Utah. 19, 43:197, 1911 (*Thamnotettix*).  
 snowi Ball. Ariz. 13, 32:26, 1937.  
 subcupraeus (Provancher). East coast. 86, 4:277, 1872 (*Jassus*).  
 taxodii (Sanders and DeLong). Fla. 41, 25:154, 1923 (*Thamnotettix*).  
 terminalis Ball. Ariz. 13, 32:27, 1937.  
 uhleri Ball. Calif. 13, 32:28, 1937.  
 wickhami Ball. Ariz. 13, 32:27, 1937.

## COLLADONUS Ball, 13, 31:57, 1936

*Thamnotettix collaris* Ball

- amandus (Ball). Ariz. 19, 41:82, 1909 (*Norvellina*).  
 arculus Ball. Ore. 13, 32:31, 1937.  
 atropunctatus (Van Duzee). Calif. 36, 6:91, 1890 (*Thamnotettix*).  
 aureolus (Van Duzee). Calif. 15, 5:213, 1894 (*Thamnotettix*).  
 cachellus Ball. Calif., Colo. 13, 32:30, 1937.  
 citrinifrons (Gillette and Baker). Colo. 22, 31:95, 1895 (*Thamnotettix*).  
 clitellarius (Say). Colo., Kans., eastern Mo. 1, 6:309, 1831 (*Jassus*).  
 var. marcidus Ball. Ill., Ia., Ky., Wis. 13, 32:29, 1937.  
 collaris (Ball). N. Y. 19, 34:15, 1902 (*Thamnotettix*).  
 commissus (Van Duzee). Calif. 17, 7:299, 1917 (*Thamnotettix*).  
 eburatus (Van Duzee). Me., N. Y., Ont., Pa. 19, 21:10, 1889  
 (*Thamnotettix*).  
 egenus Ball. Br. Col., Utah. 13, 32:30, 1937.  
 flavocapitatus (Van Duzee). Calif., Colo. 36, 6:80, 1890 (*Thamnotettix*).  
 furculatus (Osborn). Ohio, Pa. 92, 5:275, 1905 (*Thamnotettix*).

- geminatus (Van Duzee). Alaska, Calif., Colo., Wash. 36, 6:79, 1890  
(*Thamnotettix*).
- incertus (Gillette and Baker). Colo., D. C., Fla., Mass., N. J., N. Y., N. C.,  
N. D., Ohio, Tenn. 22, 31:100, 1895 (*Eutettix*).
- januatus (Ball). Calif. 19, 46:213, 1914 (*Thamnotettix*).
- mendicus (Ball). Calif., Colo. 19, 34:16, 1902 (*Thamnotettix*).
- montanus (Van Duzee). Br. Col., Calif., Colo., Idaho, Ore. 19, 24:268,  
1892 (*Thamnotettix*).
- var. reductus (Van Duzee). Calif. 17, 7:298, 1917 (*Thamnotettix*).
- var. mulsus Ball. Calif., Colo., Nev. 13, 32:29, 1937.
- ponderosus Ball. Ariz. 13, 32:31, 1937.
- tahotus Ball. Calif. 96, 12:194, 1936.
- waldanus (Ball). Colo., Me., Manitoba, Ont. 19, 35:229, 1903  
(*Thamnotettix*).

## GLORIDONUS Ball, 13, 31:58, 1936

*Thamnotettix gloriosus* Ball

- gemellus (Ball). Calif. 19, 42:303, 1910 (*Thamnotettix*).
- generosus (Ball). Calif. 19, 42:304, 1910 (*Thamnotettix*).
- gerulus (Ball). Calif., Ore. 19, 42:304, 1910 (*Thamnotettix*).
- gladiolus (Ball). Colo. 19, 42:309, 1910 (*Thamnotettix*).
- gloriosus (Ball). Calif. 19, 42:303, 1910 (*Thamnotettix*).
- spatulatus Ball. Calif. 132, 26:430, 1936.

## FRISCANANUS Ball, 13, 31:60, 1936

*Thamnotettix intricatus* Ball

- intricatus (Ball). Calif. 19, 43:198, 1911 (*Thamnotettix*).
- nugax (Van Duzee). Calif. 17, 14:419, 1925 (*Scaphoideus*).
- rupinatus (Ball). Calif. 19, 43:199, 1911 (*Thamnotettix*).

## DOLERANUS Ball, 13, 31:58, 1936

*Thamnotettix longulus* Gillette and Baker

- longulus (Gillette and Baker). Colo., Ia., Kans., Pa., Tenn. 22, 31:97, 1895  
(*Thamnotettix*).
- lucidus (Baker). Ariz., Calif., N. Mex. 101, suppl. 1, 7:12, 1895  
(*Thamnotettix*).
- deltus* (Ball). 38, 27:205, 1916 (*Chlorotettix*).
- acus* DeLong and Davidson. 87, 42:223, 1934.
- vividus (Crumb). Kans., Ohio, S. C., Tenn. 39, 8:197, 1915 (*Chlorotettix*).

## ATANUS Oman, 72, 24:381, 1938

*Eutettix dentatus* Osborn

- atascasus (Ball). Ariz. 132, 26:432, 1936 (*Doleranus*).
- perspicillatus (Osborn and Ball). Ia., Ohio, Tenn. 69, 4:227, 1897  
(*Thamnotettix*).
- var. rubralineus (DeLong). Fla. 87, 32:64, 1924 (*Thamnotettix*).

## ALLYGUS Fieber, 51, p. 13, 1872

*Cicada mixtus* Fabricius

*mixtus* (Fabricius). Mass. 45, 4:39, 1794 (*Cicada*).

## ALLYGIANUS Ball, 13, 31:59, 1936

*Thamnotettix gutturosus* Ball

*clathratus* Ball. Calif. 132, 26:431, 1936.

*gutturosus* (Ball). Calif. 19, 42:307, 1910 (*Thamnotettix*).

*merus* Beamer. Calif. 96, 14:153, 1938.

*varius* Beamer. Calif. 96, 14:154, 1938.

## PASADENUS Ball, 13, 31:60, 1936

*Thamnotettix pasadenus* Ball

*anzanus* Beamer. Calif. 96, 15:190, 1939.

*bicolor* Beamer. Calif. 96, 15:190, 1939.

*chicanus* Ball. Calif. 132, 26:431, 1936.

*deltus* Ball. Calif. 96, 12:193, 1936.

*limbatus* (Van Duzee). Calif. 36, 6:92, 1890 (*Thamnotettix*).

*margaritae* Ball. Calif. 132, 26:431, 1936.

*omani* Ball. Calif. 96, 12:192, 1936.

*pasadenus* (Ball). Calif. 19, 46:212, 1914 (*Thamnotettix*).

## BALLANA DeLong, 91, 36:217, 1936

*Thamnotettix vetula* Ball

*absenta* DeLong. Nev., Utah. 91, 37:113, 1937.

*adversa* DeLong. Utah. 91, 37:107, 1937.

*amplecta* (DeLong). Calif. 39, 28:157, 1935 (*Laevicephalus*).

*angula* DeLong. Ariz. 91, 37:116, 1937.

*antlera* DeLong. Idaho. 91, 37:120, 1937.

*aris* DeLong. Idaho, Utah. 91, 37:120, 1937.

*arma* DeLong. Ariz. 91, 37:123, 1937.

*atridorsum* (Van Duzee). Colo., Mont., S. D. 19, 26:92, 1894 (*Thamnotettix*).

*attenuata* DeLong. Calif. 91, 37:108, 1937.

*bicornis* DeLong. Calif., Idaho, Utah. 91, 37:119, 1937.

*bifida* DeLong. Idaho. 91, 37:117, 1937.

*brevidens* DeLong. Idaho. 91, 37:106, 1937.

*calcara* DeLong. Nevada. 91, 37:111, 1937.

*calcea* DeLong. Nevada. 91, 37:106, 1937.

*calipera* DeLong. Calif., Idaho, Nevada, Utah. 91, 37:121, 1937.

*callida* DeLong. Calif. 91, 37:121, 1937.

*chelata* DeLong. Calif. 91, 37:121, 1937.

*chiragrica* (Ball). Ariz. 19, 32:337, 1900 (*Thamnotettix*).

*chrysothamnum* (DeLong and Davidson). Idaho. 87, 42:222, 1934 (*Thamnotettix*).

- coarcta DeLong. Calif. 91, 37:113, 1937.  
 cuna DeLong. Calif. 91, 37:118, 1937.  
 curvidens DeLong. Idaho. 91, 37:111, 1937.  
 delea DeLong. Calif. 91, 37:105, 1937.  
 dena DeLong. Calif. 91, 37:120, 1937.  
 dira DeLong. Ariz. 91, 37:118, 1937.  
 dissimilata (Ball). Calif. 19, 42:306, 1910 (*Thamnotettix*).  
 diutia DeLong. Calif. 91, 37:115, 1937.  
 elexa DeLong. Calif. 91, 37:108, 1937.  
 filamenta DeLong. Calif. 91, 37:108, 1937.  
 firma DeLong. Calif. 91, 37:107, 1937.  
 glomerosa (Ball). Colo. 19, 42:308, 1910 (*Thamnotettix*).  
 gruis DeLong. Calif. 91, 37:114, 1937.  
 hama DeLong. Calif. 91, 37:115, 1937.  
 hebea DeLong. Nevada, Utah. 91, 37:112, 1937.  
 indens DeLong. Calif. 91, 37:114, 1937.  
 latera DeLong. Calif. 91, 37:123, 1937.  
 latula DeLong. Calif. 91, 37:122, 1937.  
 mana DeLong. Calif. 91, 37:119, 1937.  
 mera DeLong. Calif. 91, 37:109, 1937.  
 nigridentis DeLong. N. Mex. 91, 37:109, 1937.  
 occidentalis DeLong. Nev. 91, 37:112, 1937.  
 ortha DeLong. Idaho, Nevada, Utah. 91, 37:111, 1937.  
 parallela DeLong. Idaho. 91, 37:110, 1937.  
 paridentis DeLong. Calif. 91, 37:123, 1937.  
 plena DeLong. Calif. 91, 37:114, 1937.  
 pleura DeLong. Calif. 91, 37:115, 1937.  
 polica DeLong. Idaho. 91, 37:110, 1937.  
 prava DeLong. Calif. 91, 37:107, 1937.  
 quira DeLong. Ariz. 91, 37:109, 1937.  
 recurvata DeLong. Idaho, Oregon. 91, 37:117, 1937.  
 repa DeLong. Ariz. 91, 37:122, 1937.  
 seca DeLong. Calif. 91, 37:118, 1937.  
 sera DeLong. Calif. 91, 37:113, 1937.  
 spinosa DeLong. Idaho. 91, 37:110, 1937.  
 titusi (Ball). Calif., Idaho, Ore. 19, 42:267, 1910 (*Thamnotettix*).  
 transea DeLong. Colo. 91, 37:106, 1937.  
 ursina (Ball). Ore. 19, 42:307, 1910 (*Thamnotettix*).  
 valga DeLong. Utah. 91, 37:116, 1937.  
 vapidula (Ball). Calif. 19, 42:305, 1910 (*Thamnotettix*).  
 vastula (Ball). Calif. 19, 42:268, 1910 (*Thamnotettix*).  
 velosa DeLong. Idaho. 91, 37:119, 1937.  
 venditaria (Ball). Idaho, Nevada, Utah. 19, 42:266, 1910 (*Thamnotettix*).  
 veruta (Van Duzee). Calif. 17, 14:424, 1925 (*Thamnotettix*).  
 vesca (Ball). Calif. 19, 42:302, 1910 (*Thamnotettix*).  
 vespertina (Ball). Calif. 19, 42:301, 1910 (*Thamnotettix*).  
 vetula (Ball). Calif., Utah. 19, 42:302, 1910 (*Thamnotettix*).  
 viriosa (Ball). Calif. 19, 42:266, 1910 (*Thamnotettix*).

visalia (Ball). Calif. 19, 42:301, 1910 (*Mesamia*).  
 vivata (Ball). Calif., Nev., Oregon. 19, 42:302, 1910 (*Thamnotettix*).

THAMNOTETTIX Zetterstedt, 135, col. 292, 1840  
*Cicada prasina* Fallén

simplex (Herrich-Schaeffer). Colo., Me., Mich., N. H., N. Y., Que. 63,  
 p. 125, 1829 (*Jassus*).  
*chlamydatus* (Provancher). 100, 2:339, 1890 (*Deltocephalus*).  
*infuscatus* Gillette and Baker. 22, 31:98, 1895.

BRAZOSA Oman, 72, 24:386, 1938  
*Thamnotettix picturellus* Baker

sempunctata Beamer. Texas. 71, 12:27, 1939.

CICADULA Zetterstedt, 135, col. 296, 1838  
*Cicada quadrinotata* Fabricius

ciliata (Osborn). Colo., Ia., Me. 69, 5:244, 1898 (*Thamnotettix*).  
 cyperacea (Osborn). Ia., N. Y. 69, 5:245, 1898 (*Thamnotettix*).  
 decipiens (Provancher). Br. Col., Me., N. Y., Que., Utah. 100, 3:285, 1890  
 (*Thamnotettix*).  
 eruca (DeLong). Calif., Idaho, S. D. 5, 18:231, 1937 (*Cyperana*).  
 gesa (DeLong). Calif., Idaho. 5, 18:231, 1937 (*Cyperana*).  
 longiseta (Van Duzee). Calif., Colo., Ia. 19, 24:266, 1892 (*Thamnotettix*).  
 melanogaster (Provancher). Eastern states. 86, 4:378, 1872 (*Jassus*).  
 montula (DeLong). Colo. 5, 18:232, 1937 (*Cyperana*).  
 smithi (Van Duzee). Conn., Ill., Iowa, N. J., Pa., Wis. 19, 24:266, 1892  
 (*Thamnotettix*).  
 var. pollicaria (Ball). Calif. 96, 12:193, 1936 (*Cyperana*).  
 straminea (Sanders and DeLong). Wis. 39, 10:90, 1917 (*Thamnotettix*).  
 stylata (DeLong). Alberta, Idaho, Utah. 5, 18:230, 1937 (*Cyperana*).  
 vittipennis (Sanders and DeLong). Wis. 39, 10:91, 1917 (*Thamnotettix*).  
 wanakena (Ball). Mich., N. Y. 96, 12:194, 1936 (*Cyperana*).

PALUDA DeLong, 5, 18:233, 1937

*Thamnotettix placidus* Osborn = *Thamnotettix placata* Baker =  
*Thamnotettix mella* Sanders and DeLong

languida (Ball). Calif. 19, 34:17, 1902 (*Thamnotettix*).  
 mella (Sanders and DeLong). 39, 10:91, 1917 (*Thamnotettix*).  
*placata* (Baker). Idaho, Me., N. Br., N. Y., Wis. 98, 24:367, 1924.  
*placida* (Osborn). 89, 20:536, 1905 (*Thamnotettix*), (homonym).

ELYMANA DeLong, 91, 36:218, 1936  
*Thamnotettix inornata* Van Duzee

acrita DeLong. Ill. 39, 29:637, 1936.  
 acuma DeLong. Tenn. 39, 29:637, 1936.

- caduca DeLong. Wis. 39, 29:638, 1936.  
 inornata (Van Duzee). Eastern and Br. Col., Colo., Iowa, Tenn. 3, 19:303,  
 1892 (*Thamnotettix*).  
 ovatina Ball. Ariz. 96, 12:195, 1936.  
 ritana DeLong. 39, 29:638, 1936.

## ARUNDANUS DeLong, 38, 46:180, 1935

*Thamnotettix arundineus* DeLong

- arundineus (DeLong). Ill., Tenn. 3, 52:91, 1926 (*Thamnotettix*).  
 carolinus DeLong. N. C. 38, 46:181, 1935.  
 crumbi (DeLong). Tenn. 100, 17:81, 1916 (*Thamnotettix*).  
 duplus DeLong. Miss. 5, 25:634, 1941.  
 fastigatus DeLong. N. C. 5, 25:635, 1941.  
 flavotinctus (DeLong). Tenn. 100, 17:82, 1916 (*Thamnotettix*).  
 latidens DeLong. N. C. 38, 46:182, 1935.  
 marginellus DeLong. Ill., Tenn. 38, 46:181, 1935.  
 nacreosus (Crumb). Ill., Tenn. 39, 8:196, 1915 (*Chlorotettix*).  
 parvulus DeLong. N. C., S. C. 38, 46:182, 1935.  
 proprius (DeLong). Tenn. 91, 18:238, 1918 (*Thamnotettix*).  
 rubralineus DeLong. S. C. 38, 46:181, 1935.  
 var. excavatus DeLong. Miss. 5, 25:639, 1941.  
 sarissus DeLong. N. C. 5, 25:635, 1941.  
 shermani (Ball). N. C. 19, 35:230, 1903 (*Thamnotettix*).

## GRAMINELLA DeLong, 91, 36:218, 1936

*Thamnotettix aureovittata* Sanders and DeLong

- albovenosa (Sanders and DeLong). Fla. 41, 25:153, 1923 (*Thamnotettix*).  
 ampla Beamer. N. Dak. 19, 70:229, 1938.  
 aureovittata (Sanders and DeLong). Fla., Ill., Mass. 97, 3(2):16, 1920  
 (*Thamnotettix*).  
 bisignata (Sanders and DeLong). Del., Fla. 41, 25:154, 1923  
 (*Thamnotettix*).  
 fitchii (Van Duzee). Eastern and Ia., Kans. 36, 6:133, 1890 (*Thamnotettix*).  
 floridana DeLong and Mohr. Fla., S. C. 5, 18:625, 1937.  
 mohri DeLong. Ill., Kans., Pa. 38, 48:50, 1937.  
 nigrifrons (Forbes). Eastern and Colo., Ia. 71, 14:67, 1885 (*Cicadula*).  
 nigrinota DeLong and Mohr. Fla. 5, 18:628, 1937.  
 oquauka DeLong. Ill. 38, 48:51, 1937.  
 pallidula (Osborn). Ia., Pa. 69, 5:245, 1898 (*Thamnotettix*).  
 plana (DeLong). Fla. 87, 32:65, 1924 (*Thamnotettix*).  
 texana (Osborn and Ball). La., Tex. 27, 7:92, 1898 (*Athysanus*).  
 virginiana (Sanders and DeLong). Fla., Va. 41, 24:99, 1922  
 (*Thamnotettix*).

## CALANANA DeLong, 91, 44:272, 1944

*Thamnotettix umbraticus* Ball

- bispinosa (Beamer). Calif. 71, 12:81, 1939 (*Calana*).  
 rubralineata (Beamer). Calif. 71, 12:82, 1939 (*Calana*).  
 umbratica (Ball). Calif. 19, 42:309, 1910 (*Thamnotettix*).

## KNULLANA DeLong, 91, 41:86, 1941

*Thamnotettix perexigua* Ball

- huachuca DeLong. Ariz., Mex. 91, 41:87, 1941.

## CHLOROTETTIX Van Duzee, 101, 6:306, 1892

*Bythoscopus unicolor* Fitch

- attenuatus Brown. Mo. 72, 21:241, 1933.  
 auri DeLong. N. C. 91, 38:218, 1938.  
 balli Osborn. Ia., Ohio, Tenn. 69, 5:246, 1898.  
 borealis Sanders and DeLong. Wis. 39, 10:92, 1917.  
   *angustus* Brown. 72, 21:241, 1933.  
 brevidus DeLong. Ill. 38, 48:52, 1937.  
 capensis Sanders and DeLong. Fla. 41, 24:95, 1922.  
 convexus Brown. Miss. 72, 21:242, 1933.  
 curvidens Osborn. Guatemala and Honduras, Mex., Tex. 93, 23:16, 1919.  
   *serratus* DeLong. 38, 48:52, 1937.  
 dentatus Sanders and DeLong. D. C., Md. 41, 25:154, 1923.  
 distinctus DeLong. Tenn. 93, 23:23, 1919.  
 divergens Sanders and DeLong. Va. 41, 24:94, 1922.  
 dozieri Sanders and DeLong. Miss. 41, 24:93, 1922.  
 durus Brown. Fla. 72, 21:242, 1933.  
 excultus Sanders and DeLong. Fla., Jamaica. 41, 24:97, 1922.  
 fallax Sanders and DeLong. Fla. 41, 24:94, 1922.  
   *latifrons* Sanders and DeLong. 41, 24:95, 1922.  
 filamentus DeLong. Ill. 38, 48:53, 1937.  
 floridanus DeLong. Fla. 87, 32:66, 1924.  
   *rubidus* Brown. 72, 21:246, 1933.  
 fumidus Sanders and DeLong. Pa., Tenn. 39, 12:237, 1919.  
   *fuscus* Brown. 72, 21:243, 1933.  
 galbanatus Van Duzee. Eastern and Ia., Mont., N. D. 101, 6:310, 1892.  
 iridescens DeLong. Md., Tenn. 100, 17:83, 86, 1916.  
 latus Brown. Fla. 72, 21:244, 1933.  
 limosus DeLong and Cartwright. Pa. 39, 19:506, 1926.  
 lusorius (Osborn and Ball). Northeastern states and Colo., Ia., Utah. 69,  
 4:226, 1897 (*Thamnotettix*).  
 maculosus Brown. Ark., La. 72, 21:244, 1933.  
 melanotus DeLong. Tenn. 100, 17:84, 1916.  
 minimus Baker. Brazil, Fla., Haiti, Jamaica. 19, 30:220, 1898.  
   *lineatus* Osborn. 93, 23:5, 1919.  
 necopinus Van Duzee. Southeastern states. 19, 25:282, 1893.



- nudatus Ball. Ia., Tenn. 19, 32:340, 1900.  
 obsenus DeLong. Ill. 38, 48:52, 1937.  
 occidentalis DeLong. Oregon. 93, 23:11, 1919.  
 orbonatus (Ball). Fla. and East coast. 19, 35:229, 1903 (*Thamnotettix*).  
     *productus* Sanders and DeLong. 39, 12:236, 1919.  
 rotundus Brown. Ala., Ark., Miss. 72, 21:246, 1933.  
 rugicollis Ball. Fla., N. J., Tex. 19, 35:230, 1903.  
 scutellatus Osborn. Texas. 93, 23:18, 1919.  
     *pallidus* Brown. 72, 21:245, 1933.  
 similis DeLong. Ore. and Western states. 93, 23:14, 1919.  
 sinuosus Brown. Miss. 72, 21:247, 1933.  
 sordidus Brown. Miss. 72, 21:248, 1933.  
 spatulatus Osborn and Ball. Colo., Fla., Ia., Neb., Ohio, Tenn., Wis. 69,  
     4:225, 1897.  
 stolatus Ball. Colo. 19, 32:341, 1900.  
 suturalis DeLong. Tenn. 100, 17:85, 1916.  
 tergatus (Fitch). Eastern and Iowa, Wash. 52, p. 58, 1851 (*Bythoscopus*).  
 tunicatus Ball. Ark., Fla., Kans., La., Mo., N. C., Tenn., Tex. 19, 32:340,  
     1900.  
 unicolor (Fitch). Northern coast to coast. 52, p. 58, 1851 (*Bythoscopus*).  
 vacunus Crumb. Tenn. 39, 8:196, 1915.  
 viridius Van Duzee. Ark., Mich., and N. Y. to Fla., and west to Kans. and  
     Tex. 101, 6:309, 1892.

## BALDULUS Oman, 41, 36:79, 1934

*Baldulus montanus* Oman

- elimatus (Ball). N. Mex. 19, 32:345, 1900 (*Deltocephalus*).  
 montanus Oman. Ariz. 41, 36:79, 1934.

## DAVISONIA Dorst, 125, 271:4, 1937

*Cicadula major* Dorst

- delongi Dorst. Canada, Ill., Ia., Md., Mass., N. Mex., N. Y., Ohio, Pa., Va.,  
     Wis. 125, 271:6, 1937.  
 major (Dorst). Colo., Ia., Kans., Manitoba, Minn., Mo., N. H., Pa., Tenn.,  
     Utah. 71, 4:43, 1931 (*Cicadula*).  
 punctifrons (Fallén). N. Y. 49, p. 42, 1826 (*Cicadula*).  
     var. *repleta* (Fieber). N. Y. 105, p. 49, 1885 (*Cicadula*).  
     var. *americana* (Van Duzee). N. Y. 19, 23:169, 1891 (*Cicadula*).  
 snowi (Dorst). Colo., Kans., Mont., Neb., Wis. 71, 4:41, 1931 (*Cicadula*).

## SONRONIUS Dorst, 125, 271:9, 1937

*Cicadula dahlbomi* Zetterstedt

- arcuatus (Gillette and Baker). Alberta, Br. Col., Colo., Mass., Ont., Que.,  
     Sask., Utah. 22, 31:105, 1895 (*Cicadula*).  
 clavatus (DeLong and Davidson). Ill., N. J. 87, 42:223, 1934 (*Cicadula*).

- dahlbomi (Zetterstedt). Alberta, Calif., Colo., Que., Utah. 135, col. 297,  
1840 (*Cicadula*).  
*lactus* (Uhler). 127, 1:360, 1876 (*Jassus*).  
*vanduzeei* (Gillette and Baker). 22, 31:103, 1895 (*Eutettix*).

## MACROSTELLES Fieber, 130, 16:504, 1866

*Cicada sexnotata* Fallén

- binotata (Sahlberg). Ill., Me., Ont. 113, 12:242, 1871 (*Limotettix*).  
*suffusa* (Osborn). 78, 238:146, 1915 (*Cicadula*).  
borealis (Dorst). Br. Col., Wash. 71, 4:45, 1931 (*Cicadula*).  
divisa (Uhler). Alaska, Canada, Calif. to Me., Minn. to Tex. 127, 3:472,  
1877 (*Jassus*).  
*quadrilineata* Forbes. 71, 4:68, 1884.  
fascifrons (Staal). Alaska, Calif., Wash. 117, 19:194, 1858 (*Thamnotettix*).  
*warioni* (Lethierry). 114, 15:127, 1878 (*Cicadula*).  
lepida (Van Duzee). Kans., N. Y., Ohio, Tenn., Wis. 19, 26:139, 1894  
(*Cicadula*).  
lineatifrons (Staal). Alaska, Que. 117, 19:195, 1858 (*Thamnotettix*).  
obsoleta (Dorst). Kans., Tex. 71, 4:42, 1931 (*Cicadula*).  
osborni (Dorst). Alaska. 71, 4:45, 1931 (*Cicadula*).  
pallida (Osborn). Me. 78, 238:146, 1915 (*Cicadula*).  
potoria (Ball). Ia., Me., N. Y. 19, 32:346, 1900 (*Cicadula*).  
scripta (DeLong). Fla. 87, 32:67, 1924 (*Cicadula*).  
slossonae (Van Duzee). Br. Col., Me., N. H., N. Y., N. C., Nova Scotia,  
Ohio, Ont., Pa., Wis. 19, 25:281, 1893 (*Cicadula*).  
ungae (Ashmead). Alaska, Me. 59, 8:134, 1904 (*Cicadula*).  
variata (Fallén). Colo., Conn., Kans., Me., Man., N. H., N. J., N. Mex.,  
N. Y., Ohio, Pa., Que., Tenn. 116, 27:34, 1806 (*Cicada*).  
*fumata* (Herrich-Schaeffer). 63, fasc. 153, 5, 1838 (*Jassus*).  
viridi-grisea (Edwards). Labr., Que. 37, 60:54, 1924 (*Cicadula*).  
wilburii Dorst. Kans. 125, 271:19, 1937 (*Cicadula*).

## SUBFAMILY JASSINAE AMYOT AND SERVILE, 7, p. 581, 1843

## JASSUS Fabricius, 48, p. 12, 85, 1803

*Jassus nervosus* Fabricius

- borealis Spaangberg. Fla., Ga., S. C. 118, 36:24, 1879.  
floridanus Lawson. Fla. 19, 59:173, 1927.  
melanotus Spaangberg. Ga., Tenn. 120, 35:19, 1878.  
olitorius Say. Ariz., Eastern and Kans., Mo. 1, 6:310, 1831.  
*subbifasciatus* Say. 1, 6:310, 1831.  
*fuscipennis* Spaangberg. 120, 35:20, 1878.  
snowi Lawson. Ariz. 19, 59:171, 1927.

## NEOCOELIDIA Gillette and Baker, 22, 31:103, 1895

*Neocoelidia tumidifrons* Gillette and Baker

- balli Knull. Ariz., Utah. 5, 28:685, 1942.  
 barretti Baker. Calif. 19, 30:291, 1898.  
 beameri Oman. Texas. 71, 4:63, 1931.  
 candida Ball. Colo. 38, 20:166, 1909.  
 compta Ball. N. Mex. 38, 20:167, 1909.  
 diabola Knull. Ariz. 5, 28:683, 1942.  
 distincta Oman. Ariz., Tex. 71, 4:67, 1931.  
 fuscovittata Oman. Ariz. 71, 4:65, 1931.  
 grandiosa Knull. Ariz. 5, 28:689, 1942.  
 lactipennis (Van Duzee). Calif. 36, 6:49, 1890 (*Jassus*).  
 lineata Baker. Calif., Colo., Ore. 19, 30:289, 1898.  
   var. penelineata Oman. Calif., Nev. 71, 4:66, 1931.  
 obscura Baker. Ariz., Calif., Tex. 19, 30:289, 1898.  
   *pentagona* Ball. Ore. 38, 27:207, 1916.  
   *triunata* Ball. Utah. 38, 27:207, 1916.  
 orovila Ball. Calif. 38, 27:206, 1916.  
 pallida Baker. Ariz., Calif. 19, 30:290, 1898.  
   subsp. blanda Knull. Mex., Tex. 5, 28:682, 1942.  
   subsp. acuta Knull. Ariz., Calif., Utah. 5, 28:683, 1942.  
 pulchella Ball. Calif. 38, 20:168, 1909.  
 ramona Ball. Calif. 38, 27:206, 1916.  
 reticulata Ball. Calif., Colo., Utah. 38, 20:167, 1909.  
 romantica Knull. Calif. 5, 28:684, 1942.  
 texana Oman. Texas. 71, 4:62, 1931.  
 tripunctata Ball. Ariz. 38, 20:168, 1909.  
 tumidifrons Gillette and Baker. Colo., Fla., Ia., Me., N. J., Tenn., Tex.  
 22, 31:104, 1895.  
   var. vittipennis DeLong. Fla. 87, 32:66, 1924.

## PARACOELIDIA Baker, 19, 30:292, 1898

*Paracoelidia tuberculata* Baker

- fusconeura Oman. Arizona. 71, 3:78, 1930.  
 teretis Beamer. Arizona. 71, 9:31, 1936.  
 tuberculata Baker. Eastern states. 19, 30:292, 1898.

## TINOBRIGMUS Van Duzee, 15, 5:213, 1894

*Tinobregmus vittatus* Van Duzee

- invenustus Lawson. La. 39, 25:363, 1932.  
 pallidus Osborn. Texas. 92, 11:261, 1910.  
   var. elegans Lawson. Texas. 39, 25:363, 1932.  
 viridescens DeLong. Ill., Md., Mich., Mo., Tenn. 100, 17:92, 1916.  
   *moodii* Gibson. Mo. 19, 49:183, 1917.  
 vittatus Van Duzee. Fla., La., N. C., Tex., Va. 15, 5:214, 1894.

## SUBFAMILY BALCLUTHINAE BAKER, 98, 23:374, 1923

## BALCLUTHA Kirkaldy, 43, 33:243, 1900

*Cicada punctata* Thunberg

- abdominalis (Van Duzee). Br. Col., Eastern and Calif., Colo. 19, 24:113, 1892 (*Gnathodus*).
- arizona Davidson and DeLong. Ariz. 41, 37:100, 1935.
- californica Davidson and DeLong. Calif. 41, 37:102, 1935.
- impicta (Van Duzee). Eastern and Calif., Kans., Mo., Wash. 19, 24:113, 1892 (*Gnathodus*).
- flava* (Baker). 19, 28:38, 1896 (*Gnathodus*).
- media* (Baker). 19, 28:38, 1896 (*Gnathodus*).
- var. *osborni* Van Duzee. Ill., N. Y., Ont., Que. 129, p. 75, 1916
- viridis* (Osborn). 89, p. 541, 1905 (*Gnathodus*).
- var. *maculata* Davidson and DeLong. Conn., D. C., Pa., Tenn., Wis. 41, 37:101, 1935.
- manitou (Gillette and Baker). Colo. 22, 31:105, 1895 (*Gnathodus*).
- punctata (Thunberg). Br. Col., Colo., eastern Mo. 122, 4:21, 1782 (*Cicada*).
- confusa* (Gillette and Baker). 22, 31:104, 1895 (*Gnathodus*).
- livingstoni* (Baker). 19, 28:42, 1896 (*Gnathodus*).
- occidentalis* (Baker). Wash. 19, 28:42, 1896 (*Gnathodus*).

## NESOSTELES Kirkaldy, 62, 1:343, 1906

*Nesosteles hebe* Kirkaldy

- calcara (Davidson and DeLong). Fla. 91, 33:57, 1933 (*Eugnathodus*).
- floridana (Davidson and DeLong). Fla. 91, 33:56, 1933 (*Eugnathodus*).
- marquesana* (Osborn). 9, 114:265, 1934.
- hyalina (Osborn). Fla. 39, 19:352, 1926 (*Balclutha*).
- incisa (Matsumura). Fla. 80, 25:360, 1902 (*Gnathodus*).
- bisinuata* (DeLong). 102, 7:266, 1923 (*Eugnathodus*).
- pallida* (Osborn). 39, 19:352, 1926 (*Eugnathodus*).
- bifurcata* (DeLong and Davidson). 91, 33:58, 1933 (*Eugnathodus*).
- areolata* Osborn. 9, 114:226, 1934.
- tutuilana* Osborn. 67, part II, p. 188, 1934
- knulli (Davidson and DeLong). Tex. 41, 37:109, 1935 (*Agellus*).
- neglecta (DeLong and Davidson). U. S. 91, 33:55, 1933 (*Eugnathodus*).
- var. *pallidens*. Southern states. 91, 44:272, 1944.
- var. *pallida* (DeLong and Davidson). 91, 33:56, 1933 (homonym).
- nevadensis (Baker). Nev. 68, 1:1, 1903 (*Eugnathodus*).
- virescens (Osborn). Fla. 39, 19:351, 1926 (*Eugnathodus*).
- abbreviata* (DeLong and Davidson). 91, 33:57, 1933 (*Eugnathodus*).

## SUBFAMILY CICADELLINAE VAN DUZEE, 129, p. 65, 1916

## PROTALEBRA Baker, 101, 8:402, 1899

*Alebra curvilinea* Gillette

- brasilensis Baker. Fla., Texas. 101, 8:405, 1899.
- pardalis McAtee. Ariz. 87, 34:151, 1926.

ALEBRA Fieber, 130, 16:507, 1866

*Cicada albostriella* Fallén

- albostriella (Fallén). Eastern states. 49, p. 54, 1826 (*Cicada*).  
 var. pallidula (Walsh). Ill., Kans., Mass., Mo., N. Y. 99, 10:149, 1862 (*Typhlocyba*).  
 var. tincta McAtee. Kans. 87, 34:143, 1926.  
 var. agresta McAtee. Md., Kans., Va. 87, 34:144, 1926.  
 var. fulveola (Herrich-Schaeffer). D. C., Ill., Kans., Md., Minn., N. Y., Va. 63, p. 114, 1839 (*Typhlocyba*).  
 var. rubrafrons DeLong. Ill., Tenn. 91, 18:240, 1918.  
 bicincta DeLong. Ill., Miss., Tenn. 91, 18:240, 1918.  
 binotata (Walsh). Ill. 99, 10:149, 1862 (*Typhlocyba*).  
 eburnea DeLong. Tenn. 91, 18:241, 1918.  
 fumida Gillette. Ill., Kans., Minn., Tenn. 128, 20:714, 1898.  
 interrogata Knoll. Texas. 38, 51:291, 1940.  
 scopa McAtee. Kans. 87, 34:145, 1926.

DIKRANEUROIDEA Lawson, 13, 24:307, 1929

*Dikraneuroidea beameri* Lawson

- beameri Lawson. Texas. 13, 24:307, 1929.

DIKRANEURA Hardy, 124, 1:423, 1850

*Dikraneura variata* Hardy

- abnormis (Walsh). Conn., D. C., Ga., Ill., Iowa, Kans., Mo., N. Y., Ohio, Pa., Wis., Texas. 12, 9:316, 1864 (*Chloroneura*).  
 var. rufula Gillette. Calif. 128, 20:720, 1898.  
 absenta DeLong and Caldwell. Ariz., B. C., Calif., Colo., Id., Ore., Utah. 41, 39:28, 1937.  
 aegra Beamer. Calif. 96, 12:55, 1936.  
   *mera* Beamer. 96, 12:7, 1936 (homonym).  
 alta DeLong and Caldwell. Pa. 41, 39:31, 1937.  
 angustata Ball and DeLong. Kans., S. C., Tenn., Tex. 39, 18:328, 1925.  
 aperta Beamer. Calif. 71, 16:58, 1943.  
 arcta DeLong and Caldwell. Ariz. 41, 39:29, 1937.  
 arizona DeLong and Caldwell. Ariz., Colo. 41, 39:26, 1937.  
 aurulenta Lawson. Texas. 19, 62:41, 1930.  
 benedicti Beamer. Texas. 71, 16:59, 1943.  
 bisagittata Beamer. Fla. 71, 16:63, 1943.  
 californica Lawson. Calif. 19, 62:35, 1930.  
   *imbellis* Lawson. 19, 62:37, 1930.  
 carneola (Staal). B. C., Calif., Mex., Ore. 117, 19:196, 1858 (*Typhlocyba*).  
 var. sitkana Ball and DeLong. Alaska. 39, 18:330, 1925.  
 var. shoshone DeLong and Caldwell. Idaho. 41, 39:27, 1937.  
 cockerellii Gillette. Ariz., Calif., N. Mex., Utah. 101, 7:14, 1896.  
 communis Gillette. Colo., Ill., Mich., N. Y. 128, 20:718, 1898.  
 cruentata Gillette. B. C., Calif., Colo., Kans., Me., Md., N. Y., Ohio, Tenn., Va. 128, 20:717, 1898.

- var. *lavata* McAtee. Md., Va. 41, 26:76, 1924.  
 var. *rubricata* McAtee. Md., Va. 41, 26:76, 1924.  
 var. *kansiensis* Lawson. Kans. 19, 62:38, 1930.  
 var. *nevadensis* Lawson. Nev. 19, 62:38, 1930.  
*curiosa* Beamer. Ariz. 71, 18(2):83-84, 1945.  
*debilis* McAtee. Texas. 87, 34:162, 1926.  
*dubita* DeLong and Caldwell. Colo. 41, 39:28, 1937.  
*elongata* Ball and DeLong. Calif. 39, 18:327, 1925.  
*furcata* Beamer. Texas. 71, 16:62, 1943.  
*hungerfordii* Lawson. Mich., Ont. 19, 62:39, 1930.  
*hyalina* Beamer. Calif. 71, 16:58, 1943.  
*kunzei* Gillette. Ariz., Tex. 128, 20:721, 1898.  
*latacephala* Beamer. Calif. 71, 16:57, 1943.  
*lenta* McAtee. Texas. 87, 34:160, 1926.  
*lentana* DeLong. Ariz. 91, 44:272, 1944.  
     *lenta* DeLong. 91, 38:218, 1938 (homonym).  
*luna* DeLong and Caldwell. Calif. 41, 39:24, 1937.  
*maculata* Gillette. La., Md. 128, 20:716, 1898.  
     *celtidis* Osborn. 90, 14:344, 1928.  
*mali* (Provancher). Canada, Colo., Conn., Ill., Iowa, Mich., N. Y., Wis.  
     100, 3:298, 1890 (*Chloroneura*).  
*marginella* Baker. Canal Zone, Fla. 98, 27:160, 1925.  
     *marginata* DeLong. 87, 32:68, 1924 (homonym).  
*mera* McAtee. Md. 41, 26:76, 1924.  
*munda* Beamer. Calif. 71, 16:62, 1943.  
*pusilla* Lawson. Texas. 19, 62:37, 1930.  
*readionis* Lawson. Ariz. 19, 62:39, 1930.  
*retusa* Beamer. Calif. 71, 16:55, 1943.  
*robusta* Lawson. Colo. 19, 62:41, 1930.  
*rubens* Beamer. Ariz. 19, 66:16, 1934.  
*rubica* DeLong and Caldwell. Ariz. 41, 39:28, 1937.  
*rubrala* DeLong and Caldwell. Minn., Wis. 41, 39:26, 1937.  
*salicis* Beamer. Ariz. 71, 16:63, 1943.  
*santana* Beamer. Ariz. 96, 12:7, 1936.  
*serrata* DeLong and Caldwell. Ariz. 41, 39:24, 1937.  
*sitka* DeLong and Caldwell. Alaska. 41, 39:31, 1937.  
*tenera* Beamer. Texas. 71, 16:61, 1943.  
*termina* DeLong and Caldwell. Ariz. 41, 39:29, 1937.  
*texana* Beamer. Texas. 71, 16:61, 1943.  
*torta* DeLong and Caldwell. Ariz. 41, 39:25, 1937.  
*ungulata* Beamer. Ariz. 71, 16:55, 1943.  
*urbana* Ball and DeLong. Ill., Ia., Nebr., Ohio. 39, 18:329, 1925.

ALCONEURA Ball and DeLong, 39, 18:334, 1925

*Alconeura rotundata* Ball and DeLong

- balli* Beamer. Ariz. 19, 66:17, 1934.  
*beameri* Griffith. Ariz., Calif. 72, 24:319, 1936.

cornigera Griffith. Ariz. 72, 24:332, 1936.  
 directa Griffith. Fla., S. C. 72, 24:325, 1936.  
 dodonana Beamer. Ariz. 19, 66:17, 1934.  
 dorsalis (DeLong). Ala., Fla., Miss. 87, 32:67, 1924 (*Dikraneura*).  
 fulminea Lawson. Texas. 13, 25:44, 1930.  
 insulae Griffith. Fla. 72, 24:325, 1936.  
 languida Griffith. Ariz. 72, 24:330, 1936.  
 lappa Griffith. Ariz. 72, 24:327, 1936.  
 luculenta Griffith. Ariz., N. M. 72, 24:331, 1936.  
 macra Griffith. Ala., Fla., Kans., La., Miss., S. C. 72, 24:327, 1936.  
 necopinata Griffith. Calif. 72, 24:318, 1936.  
 nudata Ball and DeLong. Calif., Mont. 39, 18:336, 1925.  
 planata Ball and DeLong. Utah. 39, 18:337, 1925.  
 quadrimaculata Lawson. Ariz. 13, 25:45, 1930.  
 rotundata Ball and DeLong. Iowa, Kansas. 39, 18:335, 1925.  
 socorroana Knull. Ariz., N. Mex. 91, 45:103, 1945.  
 tricolor (Van Duzee). Calif., N. Mex. 108, 2:56, 1914 (*Dikraneura*).  
 unipuncta Gillette. Ala., Ariz., Calif., Fla., Miss., Ore. 128, 20:718, 1898.

## FORCIPATA DeLong and Caldwell, 39, 29:70, 1936

*Forcipata loca* DeLong and Caldwell

acclina DeLong and Caldwell. Minn., N. Y., N. D., Pa., S. D., Vt. 39,  
 29:74, 1936.  
 ancantha DeLong and Caldwell. Ill. 39, 29:73, 1936.  
 calipera DeLong and Caldwell. Minn., N. Y., Pa. 39, 29:74, 1936.  
 lobata Beamer. Mich. 19, 70:229, 1938.  
 loca DeLong and Caldwell. Eastern states and Can. 39, 29:71, 1936.  
 magna DeLong and Caldwell. Wyo. 39, 29:71, 1936.  
 ohioensis DeLong and Caldwell. Ill., Ohio. 39, 29:73, 1936.  
 ortha DeLong and Caldwell. Me., Pa. 39, 29:74, 1936.  
 sicala DeLong and Caldwell. Idaho, Oregon, Wash. 39, 29:72, 1936.  
 triquetra DeLong and Caldwell. Ill., Iowa, Kans., Nebr., S. Dak. 39, 29:72,  
 1936.

## EMPOASCA Walsh, 99, 10:149, 1862

## SUBGENUS KYBOS FIEBER, 130, 16:508, 1866

*Empoasca smaragdula* Fallén

acodens DeLong. Pa. 126, 231:16, 1931.  
 adunca DeLong. Colo. 126, 231:31, 1931.  
 albolinea Gillette. Ill., Kans. 128, 20:732, 1898.  
 apata DeLong and Davidson. Ore., Utah. 91, 36:228, 1936.  
 atrolabes Gillette. Colo., Ia., Mass., Mich., N. H., Pa., Wis. 128, 20:736,  
 1898.  
 aureoviridis (Uhler). Colo. 127, 3:474, 1877 (*Typhlocyba*).  
 var. hartzelli Baker. Calif. 98, 27:160, 1925.  
 var. vittata Hartzell. 69, 30:99, 1923 (homonym).

- carsona DeLong and Davidson. Ariz., Nev. 91, 36:229, 1936.  
 chromata Davidson and DeLong. Ariz. 91, 42:123, 1942.  
 clypeata Gillette and Baker. Calif., Colo. 22, 31:108, 1895.  
     var. annella Hartzell. Colo., S. D. 69, 30:104, 1923.  
 confusa DeLong and Davidson. Oregon. 91, 36:229, 1936.  
 copula DeLong. Wis. 126, 231:27, 1931.  
 digita DeLong. Manitoba. 126, 231:26, 1931.  
 excava Davidson and DeLong. Ill., Okla., Tenn. 91, 38:94, 1938.  
 gelbata DeLong and Davidson. Iowa. 91, 36:225, 1936.  
 gleditsia DeLong and Davidson. Idaho. 91, 36:225, 1936.  
 grosata DeLong and Davidson. Idaho, Utah. 91, 36:228, 1936.  
 incida DeLong. Brit. Col. 126, 231:21, 1931.  
 jacinta DeLong and Davidson. Calif. 91, 36:227, 1936.  
 livingstonii Gillette. B. C., Colo., Wash. 128, 20:728, 1898.  
 luda Davidson and DeLong. Ill., Ohio. 91, 38:94, 1938.  
 maligna Walsh. Colo., Idaho, Mass., Pa., S. D. 12, 9:317, 1865.  
     *unicolor* Gillette. 128, 20:731, 1898.  
     *denticula* Gillette. 128, 20:734, 1898.  
 mesolinea Davidson and DeLong. Ariz. 91, 39:114, 1939.  
 obrudens DeLong. Ariz. 91, 32:393, 1932.  
 obtusa Walsh. Ala., Colo., D. C., Ill., Ohio, Pa. 12, 9:316, 1865.  
     *incisa* Gillette. 128, 20:735, 1898.  
 osborni Hartzell. Ohio, Tenn. 69, 30:104, 1923.  
 patula DeLong. Me., Pa., Tenn. 126, 231:22, 1931.  
     var. magna DeLong. B. C. 126, 231:23, 1931.  
 pectinata DeLong. Idaho, Utah. 126, 231:16, 1931.  
 pergandei Gillette. Colo., Conn., Mass., Pa. 128, 20:735, 1898.  
 rubrafacia DeLong. Ariz. 91, 32:394, 1932.  
 rubrata DeLong and Davidson. Ariz., Can., Colo., Ia., N. M., N. Y., Vt.,  
     Wis. 91, 36:227, 1936.  
 salicis Wheeler. Va. 41, 39:148, 1937.  
 saluta DeLong. Ariz. 126, 231:24, 1931.  
 simplex DeLong and Davidson. Idaho, Kans. 91, 35:37, 1935.  
 smaragdula (Fallén). Colo., Mich., Pa. 49, p. 53, 1826 (*Cicada*).  
     *viridipes* Curtis. 24, 14:640, 1837.  
 strangula Davidson and DeLong. Idaho, Ill. 91, 39:113, 1939.  
 sublactea Van Duzee. Calif. 17, 7:302, 1917.  
 trifasciata Gillette. Ill., Ia., Kans., Mass., Mo. 128, 20:726, 1898.  
 trilobata DeLong. Mass., Pa. 126, 231:17, 1931.  
 unica Provancher. Ala., Md., Pa., Tenn., Va. 100, 3:340, 1890.  
     *splendida* Gillette. 128, 20:731, 1898.  
 ziona DeLong and Davidson. Calif., Utah. 91, 36:227, 1936.

## SUBGENUS HEBATA DE LONG, 126, 231:32, 1931

*Empoasca nigra* Gillette and Baker

- alboneura Gillette. Ala., Calif., Colo., D. C., Kans., Me., Miss., Ore., Va.  
     128, 20:743, 1898.  
     *tumida* Gillette. 128, 20:744, 1898.



- alboscripta Van Duzee. Calif. 108, 2:56, 1914.  
 amblacantha Oman and Wheeler. Calif. 41, 40:140, 1938.  
 aspersa Gillette and Baker. Calif., Colo., Utah. 22, 31:107, 1895.  
 bidens DeLong. Ariz. 91, 32:397, 1932.  
 bitubera DeLong. Ariz., Nev., Utah. 91, 32:395, 1932.  
 calyxa Oman and Wheeler. Calif., Colo., Tex., Utah. 41, 40:140, 1938.  
 dactylata Davidson and DeLong. Texas. 91, 42:126, 1942.  
 decora DeLong and Davidson. Calif., Nev., N. Mex., Utah. 91, 35:33, 1935.  
 denaria Van Duzee. Calif. 96, 6:148, 1930.  
 ensiformis Oman and Wheeler. Ore. 41, 40:142, 1938.  
 fuscoviridis Oman and Wheeler. Colo. 41, 40:147, 1938.  
 indenta Oman and Wheeler. Utah. 41, 40:139, 1938.  
 kaibaba Davidson and DeLong. Ariz. 91, 39:115, 1939.  
 medora DeLong. Colo., Mont., N. D., S. Dak. 91, 32:397, 1932.  
 neaspersa Oman and Wheeler. Ariz., Calif., Colo., Mont., N. Mex., Ore.,  
 S. D., Utah, Wash. 41, 40:138, 1938.  
 nigra Gillette and Baker. Colo. 22, 31:108, 1895.  
     *robusta* Gillette. 128, 20:739, 1898.  
     var. nigroscuta Gillette and Baker. B. C., Colo., Nev., Utah. 22, 31:108,  
     1895.  
     var. pulchella Gillette and Baker. Colo. 22, 31:109, 1895.  
     var. typhlocyboides Gillette and Baker. Colo., Utah. 22, 31:110, 1895.  
 pelecana Oman and Wheeler. Colo. 41, 40:141, 1938.  
 similis DeLong and Davidson. Colo., Idaho. 91, 35:37, 1935.  
 sinuata Oman and Wheeler. Utah. 41, 40:140, 1938.  
 spiculata Oman and Wheeler. Utah. 41, 40:141, 1938.  
 stylata Wheeler. Calif. 132, 30:480, 1940.  
 varaspina Oman and Wheeler. Colo. 41, 40:141, 1938.  
 vastitatis Oman and Wheeler. N. Mex. 41, 40:136, 1938.  
 vermispina Oman and Wheeler. Calif. 41, 40:137, 1938.  
 xerophila Oman and Wheeler. Colo., Wyo. 41, 40:142, 1938.

## SUBGENUS EMPOASCA WALSH, 99, 10:49, 1862

*Empoasca fabae* Walsh

- abrupta DeLong. Ariz., Calif., Colo., Ore., Tex. 126, 231:48, 1931.  
 acuminata Wheeler. Ariz. 132, 29:295, 1939.  
 albonota DeLong. Calif. 126, 231:43, 1931.  
 amara Davidson and DeLong. Texas. 91, 39:114, 1939.  
 ancistrata Davidson and DeLong. Ariz. 91, 39:115, 1939.  
 arquata Davidson and DeLong. Calif. 39, 35:106, 1942.  
 arida DeLong. Calif., Utah. 126, 231:49, 1931.  
 arta DeLong and Davidson. Calif., Nev. 91, 35:32, 1935.  
 barbara Hartzell. Calif. 69, 30:107, 1923.  
 batatae Poos. Fla. 41, 35:176, 1932.  
 biarca Davidson and DeLong. Calif. 91, 38:92, 1938.  
 bicorna DeLong and Caldwell. Ohio. 39, 27:604, 1934.  
 bicuspidata Davidson and DeLong. Fla., Okla. 91, 38:91, 1938.

- bifurcata DeLong. Ala., Del., D. C., Fla., Kans., Mass., Miss., N. J., Pa., Wis. 126, 231:40, 1931.
- birdii Goding. B. C., Colo., Ill., Mass., Mo., N. H., N. Y., Ohio. 38, 1:123, 1890.
- infusca* DeLong. 91, 32:398, 1932.
- calcara DeLong. Ariz. 91, 32:398, 1932.
- calcea DeLong. Ariz. 91, 32:395, 1932.
- caverna Davidson and DeLong. Ill. 91, 38:93, 1938.
- cerea DeLong. Calif., Utah. 126, 231:46, 1931.
- chelata DeLong and Davidson. Miss. 91, 36:226, 1936.
- coccinea Fitch. Mass., Md., N. Y., Pa. 52, 4:63, 1851.
- convergens DeLong and Davidson. Can., Ohio. 91, 35:30, 1935.
- crepidula Wheeler. Ariz. 132, 29:294, 1939.
- crocostigmata Davidson and DeLong. Ariz., Mex. 91, 42:124, 1942.
- curvata Poos. Tenn., Va. 41, 35:177, 1933.
- curvatura Davidson and DeLong. Ill., Minn., Ohio. 91, 38:90, 1938.
- curvexa Davidson and DeLong. Fla. 91, 39:110, 1939.
- davidsoni DeLong. Ill., Ohio. 91, 44:272, 1944.
- mucronata* Davidson and DeLong. 91, 38:90, 1938 (homonym).
- decurvata Davidson and DeLong. Kans., Tenn. 91, 38:93, 1938.
- delongi Poos. Va. 41, 35:175, 1932.
- delta Wheeler. Calif. 132, 29:299, 1939.
- deluda DeLong. Manitoba. 126, 231:46, 1931.
- dentata DeLong and Davidson. Kans. 91, 35:30, 1935.
- dilitara DeLong and Davidson. N. Mex. 91, 35:36, 1935.
- distracta DeLong and Caldwell. Ohio. 39, 27:607, 1934.
- ditata DeLong and Caldwell. Ohio. 39, 27:606, 1934.
- diverta DeLong and Davidson. Ariz. 91, 35:31, 1935.
- dorothyae Davidson and DeLong. Ariz. 91, 34:111, 1939.
- ellisae Wheeler. Va. 41, 39:148, 1937.
- elongata DeLong. Calif., Utah, Wash. 126, 231:53, 1931.
- erigeron DeLong. D. C., Ohio, Tenn. 126, 231:48, 1931.
- erythrocephala Wheeler. Calif. 132, 29:295, 1939.
- rufa* DeLong. 126, 231:53, 1931 (homonym).
- fabae Harris. Ala., Ark., D. C., Fla., Ill., La., Mass., Mich., Pa., Va. 60, p. 186, 1841.
- mali* LeBaron. 99, 13:330, 1853.
- viridescens* Walsh. 12, 9:316, 1865.
- consobrina* Walsh. 12, 9:316, 1865.
- malefica* (Walsh). 12, 9:317, 1865 (*Chloroneura*).
- albopicta* (Forbes). 71, 13:181, 1884 (*Empoa*).
- flavescens* (Fabricius). American records cited in error (*Fulgora*).
- falca DeLong and Davidson. Calif. 91, 35:34, 1935.
- filamenta DeLong. Ore., Wash. 126, 231:43, 1931.
- var. abbreviata DeLong. Ore. 126, 231:44, 1931.
- galluxa Davidson and DeLong. Ariz. 91, 39:117, 1939.
- gampsoa Davidson and DeLong. Ariz. 91, 39:118, 1939.
- hama DeLong and Caldwell. Ohio. 39, 27:605, 1934.

- hamata DeLong. Calif. 126, 231:43, 1931.  
 hecta Davidson and DeLong. Texas. 91, 39:116, 1939.  
 junipera DeLong. Tenn. 126, 231:51, 1931.  
 knulli Davidson and DeLong. Ariz. 91, 39:111, 1939.  
 lata DeLong and Caldwell. Ohio. 39, 27:606, 1934.  
 latarca Davidson and DeLong. D. C., Ill. 91, 38:91, 1938.  
 lauta Davidson and DeLong. Ariz., Calif. 39, 35:105, 1942.  
 madra Davidson and DeLong. Ariz. 91, 39:116, 1939.  
 manda Davidson and DeLong. Fla. 91, 39:111, 1939.  
 mexicana Gillette. Texas. 128, 20:738, 1898.  
 morrisoni Hartzell. Calif. 69, 30:107, 1923.  
 neclya Davidson and DeLong. Ill. 91, 39:110, 1939.  
 nema Davidson and DeLong. Ill. 91, 39:112, 1939.  
 ocala Davidson and DeLong. Fla. 91, 39:114, 1939.  
 occidentalis DeLong and Davidson. Calif., Colo., Id., N. Mex., Utah. 91,  
 35:32, 1935.  
 omani Davidson and DeLong. Ariz. 91, 42:123, 1942.  
 orthodoxus Davidson and DeLong. Ill. 91, 38:91, 1938.  
 pallida Gillette. Fla., Kans., N. C., Ohio. 128, 20:741, 1898.  
     *constricta* DeLong and Davidson. 91, 35:31, 1935.  
 pallidula DeLong. Ariz. 126, 231:42, 1931.  
 panda DeLong. B. C. 126, 231:51, 1931.  
 pergrada Davidson and DeLong. Ga., Ill., Minn. 91, 38:93, 1938.  
 perlonga Davidson and DeLong. Ohio. 91, 38:92, 1938.  
 pinella Davidson and DeLong. Ariz. 91, 39:111, 1939.  
 plebeia DeLong and Davidson. Ariz., Haiti. 91, 35:34, 1935.  
 ponderosa DeLong and Davidson. Calif. 91, 35:29, 1935.  
 pyramidata DeLong and Caldwell. Ohio. 39, 27:608, 1934.  
 radiata Gillette. Colo., D. C., Tenn., Tex. 128, 20:738, 1898.  
 ratio DeLong and Davidson. Wash. 91, 35:36, 1935.  
 recta DeLong and Caldwell. Ohio. 39, 27:606, 1934.  
 recurvata DeLong. Tenn. 126, 231:38, 1931.  
 reflexa DeLong. Ariz. 91, 32:396, 1932.  
 rubida DeLong. Calif. 126, 231:39, 1931.  
 rubrarea Wheeler. Calif. 132, 29:295, 1939.  
     var. *indistincta* Wheeler. Calif. 132, 29:297, 1939.  
 ruficeps Van Duzee. Calif. 17, 7:304, 1917.  
 sagitta Davidson and DeLong. Ill. 91, 39:112, 1939.  
 sativae Poos. Kans., La., Tenn., Va. 41, 35:174, 1933.  
 setata DeLong and Davidson. N. Mex. 91, 36:226, 1936.  
 snowi Gillette. N. Mex. 128, 20:741, 1898.  
 solana DeLong. La. 126, 231:50, 1931.  
 spira DeLong and Caldwell. Ohio. 39, 27:605, 1934.  
 tamiamia Davidson and DeLong. Fla. 91, 39:117, 1939.  
 thela Davidson and DeLong. Texas. 91, 39:113, 1939.  
 tinctoria DeLong. Utah. 126, 231:54, 1931.  
 torqua DeLong and Davidson. Ill., Miss., Ohio. 91, 35:35, 1935.  
 transversa Van Duzee. Calif. 17, 7:303, 1917.

ulusa Davidson and DeLong. Ariz., Calif. 39, 35:105, 1942.  
 unca DeLong and Davidson. Ariz., Utah. 91, 35:35, 1935.  
 utrica Davidson and DeLong. Colo. 91, 39:117, 1939.  
 uvalda Davidson and DeLong. Texas. 91, 39:115, 1939.  
 venusta DeLong and Davidson. Ohio. 91, 35:33, 1935.  
 vergena DeLong and Caldwell. Ill., Ohio. 39, 27:607, 1934.  
 vincula DeLong. Manitoba. 126, 231:44, 1931.

IDONA DeLong, 126, 231:50, 1931

*Empoasca minuenda* Ball

minuenda (Ball). Florida. 11, 34:23, 1921 (*Empoasca*).  
 var. moznettei (Ball). Fla. 11, 34:24, 1921 (*Empoasca*).  
 var. clavigerana (Ball). Fla. 11, 34:24, 1921 (*Empoasca*).

JORUMA McAtee, 54, 8:34, 1925

*Joruma pisca* McAtee

minuta Lawson. United States. 96, 6:136, 1930.  
 pisca McAtee. Md. 54, 8:34, 1925.

CICADELLA Duméril, 32, pp. 266-67, 334, 1806

*Cicada vittata* Linneus

artemisiae (Kirshbaum). Mass. 85, 31:190, 1865 (*Eupteryx*).  
 clavalis (McAtee). Ohio, Pa. 38, 30:185, 1919 (*Eupteryx*).  
 concinna (Germar). Mass. 57, p. 14, 1834 (*Eupteryx*).  
 flavoscuta (Gillette). Fla., N. H., N. J., N. Y., Ohio, Pa. 128, 20:749, 1898  
 (*Eupteryx*).  
 var. juvenis (McAtee). 38, 30:186, 1919 (*Eupteryx*).  
 huachucae (Lawson). Ariz. 96, 6:135, 1930 (*Eupteryx*).  
 melissae (Curtis). Calif., N. Y., Ohio. 24, Vol. 14, No. 640, p. 2, 1837  
 (*Eupteryx*).  
 collina (Flor). 53, 2:433, 1861 (*Typhlocyba*).  
 quinquemaculata (Baker). 68, 1:8, 1903 (*Eupteryx*).  
 nigra (Osborn). Me., N. Y., Ohio, Pa. 89, 20:543, 1905 (*Eupteryx*).  
 stellulata (Burmeister). N. Y. 16, p. 16, 1838 (*Typhlocyba*).  
 inscripta (Sanders and DeLong). 41, 24:99, 1922 (*Eupteryx*).  
 vanduzeei (Gillette). N. Y., Pa. 128, 20:748, 1898 (*Eupteryx*).

TYPHLOCYBA Germar, 106, 1:180, 1833

*Cicada quercu* Fabricius

ULMI GROUP

foliosa Knull. Ohio. 91, 45:104, 1945.  
 luculla Medlar. Ill., Minn. 82, 155:139, 1942.  
 piscator McAtee. Ill. 128, 68:7, 1926.  
 sciotoensis Knull. Ohio. 91, 45:103, 1945.

- tenerrima* Herrich-Schaeffer. Northeastern North America. 63, fasc. 164,  
16:124, 1834.  
*ulmi* Linnaeus. B. C., Calif., Mass., Mo., Ont. 74, p. 243, 1761.  
*unca* McAtee. Ia., N. H., N. Y., Va. 128, 68:8, 1926.

## ROSAE GROUP

- andromache* McAtee. N. Y. 128, 68:32, 1926.  
*ariadne* McAtee. B. C. 128, 68:14, 1926.  
*ariste* McAtee. N. M. 128, 68:13, 1926.  
*arsinoe* McAtee. Mass. 128, 68:31, 1926.  
*athene* McAtee. Ill. 128, 68:31, 1926.  
*aureotecta* Sanders and DeLong. Ia., Pa., Wis. 39, 10:93, 1917.  
*candidula* Kirschbaum. Conn., Minn. 73, p. 185, 1868.  
*cassiopeia* Knull. Colo., Ont. 91, 44:269, 1944.  
*commissuralis* Staal. B. C., Calif., Colo., Id., Wash. 117, 19:196, 1858.  
    var. *munda* McAtee. B. C., Mo., N. Y. 128, 68:12, 1926.  
*crassa* DeLong and Johnson. Pa. 38, 47:102, 1936.  
*cymba* McAtee. Mich., Miss., N. H., N. Y., Nova Scotia, Ont. 19, 50:360,  
1918.  
    var. *pallens* McAtee. Mich., N. Y., Wis. 128, 68:22, 1926.  
    var. *unipuncta* McAtee. Mich., Ont. 128, 68:23, 1926.  
    var. *grata* McAtee. Mass., N. H., N. Y., Nova Scotia, Ont. 19, 51:226,  
1919.  
*dorsti* Ossiannilsson. Utah. 42, 57:10, 1936.  
*duplicata* McAtee. Ont. 128, 68:16, 1926.  
*enascora* DeLong and Johnson. Idaho. 38, 47:103, 1936.  
*euphrante* McAtee. Utah. 128, 68:12, 1926.  
*expanda* DeLong and Johnson. Colo. 38, 47:104, 1936.  
*flavomarginata* Gillette and Baker. Colo., N. Mex., Utah. 22, 31:111, 1895.  
    var. *vesta* McAtee. Utah. 128, 68:18, 1926.  
    var. *media* McAtee. Colo. 128, 68:18, 1926.  
    var. *scorta* McAtee. Utah. 51, 68:19, 1926.  
*froggatti* Baker. Mass., N. Y., Ohio. 98, 27:537, 1925.  
    *australis* Froggatt (homonym). Agric. Gazette, N. S. Wales. 29:568,  
1918.  
    *xanthippe* McAtee. 128, 68:14, 1926.  
*furcata* Beamer. Calif. 19, 75:133, 1943.  
*gillettei* Van Duzee. Colo., D. C., Ill., Ia., Kans., Nebr., N. H., N. Y., Ohio,  
Wis. 19, 40:160, 1908.  
    *bifasciata* Gillette and Baker. 22, 31: 111, 1895 (homonym).  
    var. *sincera* McAtee. N. Y. 128, 68:25, 1926.  
    var. *fitchii* McAtee. D. C., N. Y. 128, 68:25, 1926.  
    var. *apicata* McAtee. Kans., Ont., Wis. 128, 68:25, 1926.  
    var. *saffrana* McAtee. Kans., N. H., Va. 128, 68:26, 1926.  
    var. *russeola* McAtee. Wis. 128, 68:26, 1926.  
    var. *casta* McAtee. Ill., Ia., Md., Mass., N. Y., Ont., Va. 128, 68:26,  
1926.

- var. *volans* McAtee. Nova Scotia. 19, 51:225, 1919.  
 var. *scripta* McAtee. Nova Scotia. 19, 51:226, 1919.  
 var. *venusta* McAtee. N. Y., Ont., Wis. 128, 68:29, 1926.  
 var. *sellata* McAtee. N. Y., Ont., Wis. 128, 68:29, 1926.  
 var. *vestita* McAtee. Kans., N. Y., Ohio. 128, 68:29, 1926.  
     *melanota* Osborn. 90, 14:355, 1928.  
     subsp. *oregonensis* Beamer. Oregon. 19, 75:133, 1943.  
*hippocastani* Edwards. Mass. 44, 25:157, 1888.  
     *lethierryi* Edwards. Mass. 44, 17:224, 1881.  
*hockingensis* Knull. Ohio, Tenn. 91, 44:270, 1944.  
*lancifer* McAtee. Ill., Mass. 128, 68:19, 1926.  
*melite* McAtee. Colo., N. Y. 128, 68:32, 1926.  
*modesta* Gibson. Ill., Ia., La., Mo. 19, 49:184, 1917.  
*niobe* McAtee. Ia., Wis. 128, 68:20, 1926.  
*oneka* Knull. N. Y. 91, 44:270, 1944.  
*persephone* McAtee. Ia. 128, 68:11, 1926.  
*phryne* McAtee. Ill., Ia. 128, 68:34, 1926.  
     var. *subpulchra* McAtee. Ia., Minn. 128, 68:35, 1926.  
*pomaria* McAtee. Eastern states and Ark., Colo., Kans. 128, 68:29, 1926.  
*pruniella* DeLong. Idaho, Oregon. 91, 44:272, 1944.  
     *pruni* DeLong and Davidson. 91, 34:161, 1934 (homonym).  
*putmani* Knull. Ont. 91, 44:269, 1944.  
*rosae* (Linnaeus). B. C., Calif., Ill., Mass., N. Y., Ohio, Pa., Utah, Wash.,  
     Wis. 75, ed. 10, 1:439, 1758 (*Cicada*).  
*rubriocellata* Malloch. Ill. 13, 15:48, 1920.  
*sexnotata* Van Duzee. Calif. 108, 2:57, 1914.  
*shawneecana* Knull. Ohio. 91, 44:270, 1944.  
*spinosa* Beamer. Colo. 19, 75:130, 1943.  
*surcula* DeLong and Johnson. Wis. 38, 47:103, 1936.  
*tunicarubra* Gillette. Kans., Mich., N. Y., Ohio, Wis. 128, 20:752, 1898.

## DANAE GROUP

- antigone* McAtee. Ill., Va. 128, 68:35, 1926.  
*appendiculata* Malloch. D. C., Ill., Ia. 19, 52:95, 1920.  
*berenice* McAtee. D. C., Ont. 128, 68:38, 1926.  
*clymene* McAtee. N. Y. 128, 68:36, 1926.  
*danae* McAtee. N. Y., Va. 128, 68:37, 1926.  
*eurydice* McAtee. Md. 128, 68:37, 1926.  
*hermione* McAtee. D. C., Va., Wis. 128, 68:38, 1926.  
*hinei* Knull. Ohio. 91, 44:272, 1944.  
*nicarete* McAtee. Ill., N. Y., Va. 128, 68:36, 1926.  
*quadrata* DeLong and Johnson. Pa. 38, 47:103, 1936.

## \*HUBBARDI GROUP

- hubbardi* (McAtee). Ariz. 39, 8:35, 1924 (*Erythroneura*).  
*nigricephala* Beamer. Texas. 19, 75:131, 1943.

TYPHLOCYBELLA Baker, 68, 1:3, 1903  
 minuta (DeLong). Fla. 87, 32:68, 1924 (*Empoa*).

HYMETTA McAtee, 11, 32:121, 1919

*Tettigonia trifasciata* Say

anthisma McAtee. Md., Tex. 11, 32:123, 1928.  
 arizoniana Fairbairn. Ariz. 71, 1:90, 1928.  
 balteata McAtee. D. C., Kans., Md., Tex., Va. 11, 32:123, 1919.  
   var. mediana Fairbairn. Kans. 71, 1:89, 1928.  
 distincta Fairbairn. United States. 71, 1:87, 1928.  
 kansasensis Fairbairn. Kans. 71, 1:90, 1928.  
 trifasciata (Say). Mo. 1, 4:343, 1825 (*Tettigonia*).  
   var. albata McAtee. 11, 32:123, 1919.

ERYTHRONEURA Fitch, 52, p. 62, 1851

*Erythroneura tricincta* Fitch

VULNERATA GROUP

atra Johnson. Ohio. 90, 31:96, 1935.  
 atrata Johnson. Conn., Ohio, Pa., Tenn. 90, 31:97, 1935.  
 bicolorata Beamer. Ill., Kans., Pa. 71, 10:11, 1937.  
 gradata Robinson. Colo., Kans. 19, 56:58, 1924.  
 nigra Gillette. Colo., Conn., Ill., Ia., Kans., Md., Neb., N. Y., Va. 128,  
   20:765, 1898.  
   var. nigerrima McAtee. Colo., Ill., Ia., Kans., Md., Va. 3, 46:275, 1920.  
   var. decora McAtee. Md. 3, 46:274, 1920.  
 pulchella Robinson. Kans. 19, 56:155, 1924.  
 variabilis Beamer. Ariz. 39, 22:126, 1929.  
 vulnerata Fitch. Canada and United States. 42, pp. 62, 63, 1851.  
   var. fulmina McAtee. Kans., Md. 3, 46:274, 1920.

OBLIQUA GROUP

abolla McAtee. Calif., Ill., Kans., Md., Va. 3, 46:285, 1920.  
   var. accensa McAtee. Ark. 3, 46:288, 1920.  
   var. lemmisca McAtee. Ill. 65, 16:131, 1926.  
 accurata Beamer. Tenn. 19, 66:18, 1934.  
   *pulchra* Beamer. 19, 23:422, 1930 (homonym).  
 acicularis Beamer. B. C., Ore. 71, 5:126, 1932.  
 ador McAtee. Nova Scotia. 19, 50: 361, 1918.  
 aenea Beamer. Kans., Ohio, Tenn. 39, 23:436, 1930.  
 afflicta Beamer. Md. 71, 8:101, 1935.  
 albescens Beamer. Ill., Kans., Ohio. 39, 23:443, 1930.  
 alternata Johnson. Ill., Ohio. 90, 31:72, 1935.  
 amabilis McAtee. D. C., Fla., L. Isd., Md., N. C. 11, 37:132, 1924.  
 angularis Beamer. Kans. 39, 23:447, 1930.  
 apta Beamer. Ark. 71, 8:102, 1935.

- aspera Beamer and Griffith. B. C., Id., Mont., Ore., Wash. 71, 8:18, 1935.  
 atrimucronata Beamer. Ill. 39, 23:424, 1930.  
 autenae Johnson. Ohio, Pa. 90, 31:73, 1935.  
 bicornis Beamer. Ill., Md. 39, 23:450, 1930.  
 bitincta McAtee. Ill., Kans. 65, 16:130, 1926.  
     *bifurca* Beamer. 39, 23:422, 1930.  
 brundusa Robinson. Kans. 19, 56:155, 1924.  
 caerulea Beamer. Ark. 71, 10:10, 1937.  
 caldwelli Johnson. Ohio, Tenn. 90, 31:69, 1935.  
 cauta Beamer. D. C., La. 71, 8:100, 1935.  
 cavena Auten and Johnson. Ga. 39, 29:61, 1936.  
 celebrata Johnson. Ohio. 90, 31:82, 1935.  
 clavata DeLong. Ill., Kans., Ohio, Tenn. 100, 17:105, 1916.  
     *torra* Robinson. 19, 56:155, 1924.  
 coarctata Beamer. Kans. 39, 23:436, 1930.  
 complicata Johnson. Ohio. 90, 31:87, 1935.  
 contrasta Auten and Johnson. Ga. 39, 29:62, 1936.  
 cornipes Beamer. Kans., Ohio, Okla. 39, 23:449, 1930.  
 cotidiana Beamer. Md., Okla. 39, 23:433, 1930.  
 crataegi Johnston. Ohio. 90, 31:61, 1935.  
 crevecoeuri (Gillette). Conn., Kans., N. Y., N. C., Ohio. 128, 20:767, 1898  
     (*Typhlocyba*).  
 cruciformis Beamer. Ill., Kans., Ohio. 39, 23:443, 1930.  
 cuneata Beamer. Okla. 39, 23:433, 1930.  
 decorata Auten and Johnson. Ga. 39, 29:63, 1935.  
 diffusa Beamer. Kans., Ohio, Okla., Tenn. 39, 23:434, 1930.  
 divisa McAtee. Md. 54, 8:37, 1924.  
 dolosa Beamer and Griffith. B. C., Ore., Wash. 71, 8:19, 1935.  
     var. *occidua* Beamer and Griffith. Calif. 71, 8:19, 1935.  
     var. *interjecta* Beamer and Griffith. Calif. 71, 8:20, 1935.  
 dowelli Beamer. Ark., Kans., Ohio, Pa. 71, 5:62, 1932.  
 electa McAtee. Ill., Kans., Ohio, Va. 3, 46:282, 1920.  
 eluta McAtee. Ill., Ind., Va. 3, 46:277, 1920.  
 extima Beamer. Mich. 71, 12:29, 1939.  
 falcata Beamer. Ill. 39, 23:432, 1930.  
 fragilis Johnson. Ill., Ohio. 90, 31:93, 1935.  
 fulvocephala Robinson. Kans. 19, 56:155, 1924.  
 fumida (Gillette). Conn., Ill., Ind., Kans., Md., Va. 128, 20:758, 1898  
     (*Typhlocyba*).  
 funesta Beamer. Ill. 39, 23:441, 1930.  
 furcillata Beamer. La., Tex. 39, 23:452, 1930.  
 gleditsia Beamer. Ohio, Okla. 39, 23:437, 1930.  
 hamata Beamer. Ill., Md., Ohio. 39, 23:446, 1930.  
 harpax Beamer. D. C., Ohio, Tenn. 39, 23:432, 1930.  
 iconica McAtee. Md., Va. 3, 46:287, 1920.  
 \*idonea Beamer. Ark. 71, 8:100, 1935.  
     *gargantua* Johnson. 90, 31:81, 1935 (new synonymy).  
 inconspicua Johnson. Ohio. 90, 31:90, 1935.



- infinita Beamer. Kans., Tenn. 39, 23:446-47, 1930.  
 insigna Beamer and Griffith. B. C., Mont., N. C. 71, 8:17, 1935.  
 intricata Johnson. Ohio. 90, 31:86, 1935.  
 jocosa Beamer. La., Mo. 71, 8:101, 1935.  
 juncea Beamer. Fla. 71, 10:10, 1937.  
 juglandis Knull and Auten. Texas. 39, 31:532, 1938.  
 kanza Robinson. Kans., Neb., Ohio. 19, 56:58, 1924.  
 latapex Beamer. Kans., Ohio, Tenn. 39, 23:447-48, 1930.  
 lawsoniana Baker. Calif., Conn., Ill., Kans., Md., Minn., Mo., Nebr., N. C.,  
 Ont., Tenn., Va. 98, 28:347, 1926.  
     *lawsoni* Baker. 98, 27:537, 1925 (homonym).  
     *dorsalis* Gillette. 128, 20:757, 1898 (homonym).  
 magnacalx Beamer. Ill., Kans., Ohio. 39, 23:451-52, 1930.  
 malleiformis Beamer. Ill., Kans. 39, 23:449-50, 1930.  
 mansueta Beamer. Ill., La., Miss. 71, 8:98, 1935.  
 minima Johnson. Ohio. 90, 31:92, 1935.  
 minuta Johnson. Ohio. 90, 31:93, 1935.  
 mixta Beamer. Fla. 96, 8:183-84, 1932.  
 modica Beamer. Ill., Ohio, Tex. 39, 23:448, 1930.  
 nava Beamer. D. C., Ill., La. 71, 8:102, 1935.  
 nitida Beamer. N. H. 71, 8:103, 1935.  
 noeva (Gillette). Calif., Colo., Conn., Ill., Ind., Kans., Md., Nebr., Ont.,  
 Tenn. 128, 20:757, 1898 (*Typhlocyba*).  
 nondescripta Johnson. Ohio. 90, 31:92, 1935.  
 obliqua (Say). Can., United States. 1, 4:342, 1825 (*Tettigonia*).  
     var. *pelta* McAtee. Md. 3, 46:278, 1920.  
     var. *parma* McAtee. Kans. 3, 46:280, 1920.  
 obvia Beamer. Ark., Kans., Okla., Tenn. 39, 23:439, 1930.  
 ohioensis Knull. Ohio. 91, 45:108, 1945.  
 parvispicata Beamer. Ark., Okla. 39, 23:435, 1930.  
 penelutea Beamer. Kans. 39, 23:427, 1930.  
 penenoeva Beamer. Kans., Ohio. 39, 23:438, 1930.  
 penobliqua Beamer. Ill. 39, 23:453, 1930.  
 perita Beamer. D. C., Ga., Md., Ohio. 71, 8:99, 1935.  
     *extrema* Auten and Johnson. 39, 29:64, 1936.  
 plena Beamer. Ill., Kans. 39, 23:442, 1930.  
 ponderosa Auten and Johnson. Ga. 39, 29:62, 1936.  
 quadrata Beamer. Ill., Kans. 39, 23:435, 1930.  
 repleta Johnson. Ill., Ohio, Pa. 90, 31:78, 1935.  
 rubens Beamer. Ill. 39, 23:439, 1930.  
 rubrataeniensis Beamer. Ill., Kans. 39, 23:440, 1930.  
 rubricata (Van Duzee). Fla. 15, 9:229, 1909 (*Typhlocyba*).  
 rubroscuta (Gillette). Ill., Kans., Ohio. 128, 20:755, 1898 (*Typhlocyba*).  
 rubrotincta Johnson. Ill., Ohio. 90, 31:91, 1935.  
 rufostigmata Beamer. Ark. 39, 23:429, 1930.  
     var. *subnila* Beamer. Ill., Kans. 39, 23:429, 1930.  
 sagittata Beamer. Ill. 39, 23:440, 1930.  
 scissa Beamer. Ark., Ill. 39, 23:448-49, 1930.

- scytha Auten and Johnson. Ga. 39, 29:61, 1936.  
 sincera Johnson. Ill., Ohio. 90, 31:94, 1935.  
 sinua Johnson. Ohio. 90, 31:82, 1935.  
 spatulata Beamer. Ill. 39, 23:444, 1930.  
 spearca Auten and Johnson. Ga. 39, 29:818, 1936.  
     *nitida* Auten and Johnson. 39, 29:65, 1936 (homonym).  
 stolata McAtee. Kans. 3, 46:279, 1920.  
 stulta Auten and Johnson. Ga. 39, 29:64, 1936.  
 stylata Johnson. Ga., Ohio. 90, 31:78, 1935.  
 tenuispica Beamer. Kans. 39, 23:444, 1930.  
 torva Beamer. Conn., D. C., Md. 71, 8:98, 1935.  
 tridens Beamer. Ill., Kans., Md. 39, 23:450, 1930.  
 unicuspidis Beamer. Ill., Kans. 39, 23:452, 1930.  
 varia McAtee. Va. 3, 46:287, 1920.  
 vinaria Beamer. Kans. 39, 23:426, 1930.  
 volucris Beamer. Ark., Ill., Kans. 39, 23:445, 1930.

## WESTERN OBLIQUA GROUP

- abluta McAtee. Calif. 11, 37:132, 1924.  
 agnata Knull and Auten. Ariz. 39, 31:537, 1938.  
 ales Beamer. Ariz., Utah. 71, 5:124, 1932.  
 apacha Baker. Ariz. 98, 27:536, 1925.  
     *bipunctata* Gillette. 128, 20:751, 1898 (homonym), (*Typhlocyba*).  
 aprica McAtee. Ariz. 11, 42:132, 1924.  
 arida Beamer. N. Mex. 39, 30:31, 1937.  
 arizonica Knull and Auten. Ariz. 39, 31:536, 1938.  
 aucta McAtee. Calif. 3, 46:279, 1920.  
 balli Beamer. Ariz. 1, 5:125, 1932.  
 bilocularis Van Duzee. Calif. 17, 13:233, 1924.  
 blanda Knull and Auten. Ariz. 39, 31:538, 1938.  
 canyonensis Beamer. Ariz. 39, 22:120, 1929.  
 casta Beamer. Ariz. 39, 22:118, 1929.  
 ceonothana Beamer. Ariz. 87, 42:287, 1934.  
 cimarroni Beamer. N. Mex. 39, 22:119, 1929.  
 cornigera Beamer. Calif. 39, 30:31, 1937.  
 davisii Beamer. Nevada. 71, 7:96, 1934.  
 dentata (Gillette). Calif. 128, 20:765, 1898 (*Typhlocyba*).  
 erosa McAtee. Calif. 54, 8:36, 1924.  
 grandis Beamer. Ariz. 39, 22:127, 1929.  
 huachucana Beamer. Ariz. 87, 42:287, 1934.  
 inclita Beamer. Calif. 96, 10:44, 1934.  
 inornata McAtee. Ariz., Colo. 11, 37:132, 1924.  
 kiperi Beamer. Ariz., N. Mex. 39, 22:124, 1929.  
 lusoria Van Duzee. Calif. 17, 13:234, 1924.  
 merita Beamer. Calif. 72, 5:127, 1932.  
 milleri Beamer. Ariz., Tex. 39, 22:125, 1929.  
 \*munda Knull and Auten. Ariz. 39, 31:534, 1938.  
     *modula* Knull and Auten. 39, 31:535, 1938 (new synonymy).

*nicholi* Beamer. Ariz. 19, 59:30, 1927.  
*novella* Knull and Auten. Ariz. 39, 31:536, 1938.  
*nuda* Knull and Auten. Ariz. 39, 31:538, 1938.  
*obscura* Beamer. Ariz. 39, 22:117, 1929.  
*oculata* McAtee. Tex. 65, 15:39, 1924.  
*pallenta* Beamer. Ariz. 39, 22:117, 1929.  
*penapacha* Beamer. Tex. 71, 14:18, 1941.  
*pinalensis* Beamer. Ariz. 39, 22:119, 1929.  
*quadricornis* Beamer. Tex. 39, 23:431, 1930.  
*ritana* Beamer. Ariz. 87, 42:286, 1934.  
*rubicunda* Beamer. Ariz. 39, 22:126, 1929.  
*sola* Knull and Auten. Ariz. 39, 31:534, 1939.  
*spectabilis* Knull and Auten. Ariz. 39, 31:533, 1938.  
*tergemina* Van Duzee. Calif. 17, 13:235, 1924.  
*ternaria* Van Duzee. Calif. 17, 13:232, 1924.  
*triceroprocta* Beamer. Tex. 39, 22:118, 1929.  
*tricolor* Beamer. Ariz. 39, 22:124, 1929.  
*tripunctata* Beamer. Ariz., Tex. 39, 22:119, 1929.  
*unicolor* Beamer. Tex. 39, 22:120, 1929.  
*utahna* Beamer. Utah. 39, 30:32, 1937.

## MACULATA GROUP

*abjecta* Beamer. Ill., Ohio. 19, 63:288, 1931.  
*accola* McAtee. Md., Ohio. 3, 46:299, 1920.  
*aculeata* Beamer. Ia., Ohio. 19, 64:161, 1932.  
*adunca* Beamer. D. C., Kans., Md., N. C., Ohio. 19, 64:46, 1932.  
*aesculi* Beamer. Miss., Ohio. 19, 64:46, 1932.  
*affinis* Fitch. Kans., Ohio. 52, p. 63, 1851.  
*andersoni* Beamer. Ark., Kans. 19, 64:86, 1932.  
*arta* Beamer. Ill., Ohio. 19, 63:287-88, 1931.  
*ballista* Beamer. Ark., Ill., Md. 19, 64:84, 1932.  
*basilaris* (Say). Conn., Ill., Ia., Kans., Neb., N. Y., Ohio, Ont., Tenn., Wis.  
 1, 4:345, 1825 (*Tettigonia*).  
*bella* McAtee. Md., Ohio. 3, 46:300, 1920.  
*bifida* Beamer. La. 19, 63:134-35, 1931.  
*bigemina* McAtee. Ohio, Tenn. 3, 46:300, 1920.  
*apicalis* (DeLong). 100, 17:108, 1916 (*Typhlocyba*), (homonym).  
*biramosa* Beamer. N. Mex. 71, 14:18, 1941.  
*bispinosa* Beamer. Ill., Kans., Md., Ohio, Tenn., Tex. 19, 63:241, 1931.  
*brevipes* Beamer. Okla. 19, 63:133-34, 1931.  
*calamitosa* Beamer. Ark., Ill., Kans., Ohio, Tenn. 19, 63:241, 1931.  
*californica* Beamer. Calif. 19, 64:143, 1932.  
*coryli* Van Duzee. 17, 13:234, 1924 (homonym).  
*campora* Robinson. Ark., Kans., Nebr., N. Y., Ohio, Ont. 19, 56:59, 1924.  
*carmini* Beamer. Ariz., Colo., D. C., Ill., Ind., Ia., Kans., La., N. Mex.,  
 Ohio, Okla., Utah. 39, 22:121, 1929.  
*certa* Beamer. Ill., Kans., Ohio. 19, 64:159, 1932.  
*clara* Beamer. Ark., Kans., Ill., Md. 19, 64:161-62, 1932.

- clavipes Beamer. Ark., Kans., Ohio, Tenn. 19, 63:269, 1931.  
 compressa Knull and Auten. Ga. 39, 30:573, 1937.  
 concisa Beamer. Ia., Kans. 19, 63:286, 1931.  
 confirmata McAtee. Ohio, Va. 54, 8:37, 1924.  
     *mitella* McAtee. 65, 16:132, 1926.  
 consueta Beamer. Ark., D. C., Kans., Md. 19, 64:71, 1932.  
 continua Knull and Auten. Ga. 39, 30:578, 1937.  
 contracta Beamer. Ill., Kans., Ohio, Tenn. 19, 63:130, 1931.  
 corylorubra Knull. Ohio. 91, 45:108, 1945.  
 crinita Beamer. Ark., Ohio, Va. 19, 64:85, 1932.  
 curta Beamer. Ia., Md., Ohio. 19, 64:86, 1932.  
 curvata Beamer. Ill., Kans., Minn. 19, 63:132, 1931.  
 delongi Knull and Auten. Ga. 39, 30:574, 1937.  
 dira Beamer. Ark., Ill., Ia., Kans., Md., Ohio, Okla. 19, 63:286, 1931.  
 distincta Knull and Auten. Ga. 39, 30:572, 1937.  
 dumosa Beamer. Ark., Ill., Ia., Ohio, Okla. 19, 64:13-14, 1932.  
 era McAtee. Va. 3, 46:299, 1920.  
 externa Beamer. Kans. 19, 63:289, 1931.  
 facota Beamer. Fla. 19, 64:70-71, 1932.  
 firma Beamer. Ill., Kans., Md. 19, 64:12-13, 1932.  
 forfex Beamer. Ark., Md., N. C. 19, 64:82, 1932.  
 gemina McAtee. Ohio, Va. 3, 46:301, 1920.  
 geronimoi Knull. Ark. 91, 45:108, 1945.  
 gillettei Beamer. Ill. 19, 63:128, 1931.  
 hartii (Gillette). Conn., Ill., Ind., Kans., Md., Mich., Miss., N. Y., N. C.,  
     Ohio, Tenn., Va. 128, 20:754, 1898 (*Typhlocyba*).  
 hyalina Knull and Auten. Ga. 39, 30:575, 1937.  
 hymac Robinson. Kans., Ohio. 19, 56:60, 1924.  
 illinoiensis (Gillette). Ill. 128, 20:758, 1898 (*Typhlocyba*).  
     var. regalis Beamer. Ariz. 39, 22:125, 1929.  
     var. spectra McAtee. Md., Ohio, Va. 3, 46:292, 1920.  
 immota Beamer. Tex. 19, 64:16-17, 1932.  
 impar Beamer. Ill., Kans. 19, 63:133, 1931.  
 incondita Beamer. Ill. 19, 64:16, 1932.  
 inepta Beamer. Ill., Ia., Kans., Md., Okla. 19, 64:162, 1932.  
 ingrata Beamer. Ark., Ill., Okla. 19, 64:160, 1932.  
 interna Beamer. Fla., Kans. 19, 63:285, 1931.  
 kansana Baker. Conn., Kans., Md., Mo., Ohio, Tenn., Va. 98, 27:537, 1925.  
     *scutelleris* (Gillette). 128, 20:764, 1898 (*Typhlocyba*), (homonym).  
     var. ardens McAtee. Md. 3, 46:299, 1920.  
     var. insolita McAtee. Ind. 65, 16:133, 1926.  
 knighti Beamer. Ia., Ohio. 19, 64:87, 1932.  
 lata Beamer. Ark., Md., S. C., Va. 19, 64:86-87, 1932.  
 lawsoni Robinson. Ark., D. C., Ill., Ia., Kans., Md., Ohio, Okla. 19, 56:59,  
     1924.  
     *mediana* Robinson. 19, 56:156, 1924.  
 lenta Beamer. Ill., Kans., La., Md. 19, 64:82, 1932.  
 linea Beamer. Kans. 19, 64:47, 1932.

- lunata McAtee. Ill., Ohio, Okla., Texas. 65, 15:41, 1924.  
 macra Beamer. Ill., Md. 19, 64:15, 1932.  
 maculata (Gillette). Kans., Ohio. 128, 20:764, 1898 (*Typhlocyba*).  
 manus Beamer. Ill., Ia., Kans., Md., N. C., Va. 19, 64:83, 1932.  
 marra Beamer. D. C., Ohio. 19, 64:160, 1932.  
 mensa Beamer. Ill., Ia., Kans. 19, 63:287, 1931.  
 minor Beamer. Ia., Ohio. 19, 64:84, 1932.  
 mira Beamer. Ark., D. C., Ill., Ia., Md., N. C., Ohio. 19, 64:45, 1932.  
 mirifica Beamer. Ark., Ill., Iowa, La., Md., Ohio, Okla. 19, 64:159, 1932.  
 misera Beamer. Ill., Md. 19, 64:158, 1932.  
 morgani (DeLong). Ohio, Tenn. 100, 5:104, 1916 (*Typhlocyba*).  
 nevadensis Beamer. Nev. 19, 64:72, 1932.  
 nigriventer Beamer. Ill. 19, 63:134, 1931.  
 noncuspidis Beamer. Ill., Ohio. 19, 63:129, 1931.  
 omani Beamer. Ark., Kans. 71, 3:49, 1930.  
 opulenta Beamer. Fla. 19, 64:48, 1932.  
 osborni (DeLong). Ark., Ill., Ohio, Tenn. 100, 17:103, 1916 (*Typhlocyba*).  
     var. *dulcis* McAtee. Md. 3, 46:296, 1920.  
 pallida Knull and Auten. Ga. 39, 30:573, 1937.  
 paraesculi Knull. Tenn. 91, 45:106, 1945.  
 parallela McAtee. Mass., Ohio. 54, 8:38, 1924.  
 parva Beamer. Fla., La., Md. 19, 64:70, 1932.  
 parvipes Beamer. Kans., Tenn. 19, 63:242, 1931.  
 penerostrata Beamer. Ark., Tex. 19, 64:85, 1932.  
 penesica Beamer. Ark., D. C., Ga., Kans., Md., Ohio. 19, 63:269-70, 1931.  
 perplexa Knull. Ga. 39, 37:123, 1944.  
     *simplex* Knull and Auten. 39, 30:575, 1937 (homonym).  
     *ordinaria* Knull and Auten. 39, 31:651, 1938 (homonym).  
 propria Beamer. Fla., Kans., Ohio. 19, 64:13, 1932.  
 pyra McAtee. Ia., Ohio. 11, 37:133, 1924.  
 restricta Beamer. Ark., Ia., Md. 19, 64:45-46, 1932.  
 retusa Beamer. Fla., Ohio. 19, 64:48, 1932.  
 rostrata Beamer. Ind., Ia., Kans. 19, 63:270, 1931.  
 rotunda Beamer. Ill., Md., Ohio, Tenn. 19, 63:288, 1931.  
 rubranotata Beamer. Kans. 19, 59:30, 1927.  
 rubraza Robinson. Kans. 19, 56:291, 1924.  
 sancta Beamer. Ill., Ohio. 19, 64:15, 1932.  
 separata Beamer. Ill., Ia., Kans., Ohio. 19, 64:12, 1932.  
 solita Beamer. Ill. 19, 64:14, 1932.  
 spinifera Beamer. Ill., Kans. 19, 63:240, 1931.  
 stephensoni Beamer. Ill., Okla., Tex. 19, 63:130, 1931.  
 stupkaorum Knull. Tenn. 91, 45:104, 1945.  
 tantilla Beamer. Ill., Ia., Kans., Ohio. 19, 63:285, 1931.  
 teres Beamer. Ill., Tenn. 19, 63:268-69, 1931.  
 texana Beamer. Tex. 39, 22:121, 1929.  
 torella Robinson. Kans., Ohio. 19, 56:156, 1924.  
 trautmanae Knull. Mich., Tenn. 91, 45:106, 1945.  
 triangulata Beamer. Ill., La., Ohio. 19, 63:241, 1931.

trivittata Robinson. Kans., Ohio. 19, 56:59, 1924.  
 turgida Beamer. Ill., Kans. 19, 63:243, 1931.  
 uncinata Beamer. Ill., Kans. 19, 63:242, 1931.  
 ungulata Beamer. La., Tex. 19, 64:69, 1932.  
 unica Beamer. Ark., D. C., Ia., Md., Ohio. 19, 64:83, 1932.  
 univittata Robinson. Kans. 19, 56:156, 1924.  
 usitata Beamer. D. C., Ill., Md., Ohio. 19, 64:14-15, 1932.  
 ventura Knull and Auten. Ga. 39, 30:577, 1937.  
 vittata Knull and Auten. Ga. 39, 30:577, 1937.  
 zioni Beamer. Utah. 19, 64:71-72, 1932.

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bipentagona Beamer. Kans. 19, 59:31, 1927.  
 caetra McAtee. B. C., Calif., Id., Ore. 11, 37:133, 1924.  
 ligata McAtee. D. C., Kans., Ohio. 3, 46:301, 1920.  
   var. pupillata McAtee. Ill. 65, 15:42, 1924.  
   var. allecta McAtee. D. C. 3, 46:302, 1920.  
 rosa Robinson. Ohio. 19, 56:58, 1924.  
   var. repetita McAtee. Ill. 65, 16:131, 1926.  
   *mallochi* McAtee. 65, 15:41, 1924.  
 septima Beamer. Kans. 19, 59:30, 1927.  
 tecta McAtee. Ohio. 3, 46:288, 1920.  
   *sexpunctata* Malloch. 13, 16:27, 1920.  
   var. carbonata McAtee. Md., Mass., N. H., Va. 3, 46:289, 1920.

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aclys McAtee. Conn., Ill., Kans., Md., Mo., Neb., N. J., Ohio, S. C.  
   3, 46:290, 1920.  
 acuticephala Robinson. Kans. 19, 56:61, 1924.  
 amanda McAtee. Kans., Mo. 3, 46:319, 1920.  
 ancora Beamer. Tex. 39, 22:122, 1929.  
 anfracta Beamer. Ariz. 39, 22:123, 1929.  
 aza Robinson. Kans. 19, 56:291, 1924.  
 beameri Robinson. Kans. 19, 56:61, 1924.  
 bidens McAtee. Md., Va. 54, 8:39, 1924.  
   *suffusa* McAtee. 54, 8:39, 1924.  
 bistrata McAtee. Ill., Md. 3, 46:305, 1920.  
*fusco-clava* Beamer. 19, 59:31, 1927.  
   var. stricta McAtee. Colo., Ind., Ia., Kans., Md., Pa. 3, 46:305, 1920.  
   *rubranotum* Robinson. 19, 56:60, 1924.  
 calycula McAtee. Ill., Kans., Md., Neb. 3, 46:308, 1920.  
   var. erasa McAtee. Md., Va. 3, 46:309, 1920.  
 cancellata McAtee. Kans., Md. 3, 46:320, 1920.  
 coloradensis Gillette. Calif., Colo., Ill., Neb., N. M. 99, 19:16, 1892.  
 comes (Say). United States. 1, 55:259, 1825 (*Tettigonia*).  
 compta McAtee. Ala., Ill., Ind., Kans., Md., Mich., Miss., Ohio, Ont. 3,  
   46:267, 1920.  
   var. rufomaculata McAtee. Ill., Ohio. 65, 15:43, 1924.

- nigroscuta* Johnson. 91, 34:258, 1934.  
*cherokeë* Robinson. 19, 56:154, 1924.  
*corni* Robinson. Kans., Neb., Ohio. 19, 56:60, 1924.  
     *ornata* Osborn. 90, 14:364, 1928.  
*cymbium* McAtee. Kans., Mich., Neb., Ont., Pa., Tex. 3, 46:310, 1920.  
     var. *disjuncta* McAtee. Kans., Pa. 3, 46:310, 1920.  
*delicata* McAtee. Md. 3, 46:317, 1920.  
     *lacta* Robinson. 19, 56:62, 1924.  
     var. *accepta* McAtee. Kans., Md., Va. 3, 46:317, 1920.  
         *scripta* Robinson. 19, 56:290, 1924.  
         *tudella* Robinson. 19, 56:291, 1924.  
*diva* McAtee. Kans., Md., Va. 3, 46:308, 1920.  
     var. *complementa* McAtee. Miss. 65, 16:135, 1926.  
     *rubravitta* Robinson. Kans. 19, 56:156, 1924.  
*elegans* McAtee. Ark., Colo., Ill., Ind., Ia., Kans., Md., Miss., Nebr., Ont.,  
     Pa. 3, 46:315, 1920.  
*elegantula* Osborn. Colo., Kans., Panama. 20, p. 289, 1928.  
*festiva* Beamer. Ill. 72, 37:290, 1938.  
*fraxa* Robinson. Kans. 19, 56:292, 1924.  
*gilensis* Beamer. Ariz. 39, 22:123, 1929.  
*infusata* (Gillette). Ill., Kans., Md., Miss. 128, 20:764, 1898 (*Typhlocyba*).  
*integra* McAtee. Md., Ohio. 3, 46:309, 1920.  
*kanwakae* Robinson. Kans., Neb., Ohio. 19, 56:292, 1924.  
*kennedyi* Knull. Ohio. 91, 45:109, 1945.  
*noncincta* Johnson. Ohio. 91, 34:261, 1934.  
*nudata* McAtee. Md., Ohio. 3, 46:316, 1920.  
     *attenuata* Johnson. 91, 34:260, 1934.  
*octonotata* Walsh. Calif., Ill., Kans., Md., Mich., Miss., N. Y., Ont. 99,  
     p. 149, 1862.  
*omaska* Robinson. Kans. 19, 56:62, 1924.  
*ontari* Robinson. Ont. 19, 56:60, 1924.  
*palimpsesta* McAtee. Ill., Ohio. 65, 15:43, 1924.  
*pontifex* McAtee. Ill. 65, 16:136, 1926.  
     *breakyi* Johnson. 91, 34:261, 1934.  
*prima* Beamer. N. H. 72, 37:283, 1938.  
*prosata* Johnson. Ohio. 90, 31:108, 1935.  
*reflecta* McAtee. Canada and United States. 65, 15:43, 1924.  
     *portea* Robinson. 19, 56:154, 1924.  
*rubra* (Gillette). Ill., Ia., Kans., S. C., Tenn., Va. 128, 20:764, 1898  
     (*Typhlocyba*).  
     *irrorata* Robinson. 19, 56:154, 1924.  
*rubrella* McAtee. Ark., Br. Col., Ill., Miss. 3, 46:316, 1920.  
*tacita* Beamer. Colo., Ore., Wash. 72, 37:293, 1936.  
*tricincta* Fitch. Eastern states and Colo., Kans., Neb., Tex. 52, 9:63, 1851.  
*vaga* Johnson. Ohio. 91, 34:260, 1934.  
*vagabunda* Knull. Ohio. 91, 45:109, 1945.  
*vitifex* Fitch. Ill., Ind., Ia., Kans., Mich., N. Mex., N. Y., Ont., Va., Wis.  
     88, 21:392, 1856.

- vitis (Harris). Eastern states and Colo., Ia., Kans., Mo., Nebr. 34, 8:43,  
1831 (*Tettigonia*).  
var. corona McAtee. Ill., Kans., Md. 3, 46:304, 1920.  
*flava* Robinson. 19, 56:62, 1924.  
*venusta* McAtee. 3, 46:319, 1920.
- ziczac Walsh. Calif., Colo., Ill., Ia., Kans., Md., Mich., Miss., Neb., Ont.  
99, 10:149, 1862.  
var. walshi Beamer. Ia., Kans., Nebr., Ont. 72, 37:276, 1938.



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2. Academy of Natural Sciences of Philadelphia—Proceedings
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40. Entomological Society of London—Transactions
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SUGGESTED GENERIC PAPERS ON NORTH  
AMERICAN CICADELLIDAE

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Macropsis	Breakey	39, 25:787-844, 1932.
Agalliopsis	Oman	126, 372:8-24, 1933.
Agallia	Oman	126, 372:24-45, 1933.
Acertagallia	Oman	126, 372:45-70, 1933.
Ceratagallia	Oman	132, 29:533-43, 1933.
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Cuerna	Oman and Beamer	71, 17:119-28, 1944.
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Draeculacephala	Van Duzee	38, 26:176-81, 1915.
	Ball and China	71, 6:1-4, 1933.
Pagaronia	Oman	128, 85:167-68, 1938.
Errhomus	Oman	128, 85:169-76, 1938.
Penthimia	DeLong	28, pp. 15-16, 1942.
Dragonana	DeLong	28, pp. 14-15, 1942.
Gypona	DeLong	28, pp. 16-22, 1942.
Gyponana	DeLong	28, pp. 22-57, 1942.
Acusana	DeLong	28, pp. 57-64, 1942.
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Ponana	DeLong	28, pp. 90-107, 1942.
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Polana	DeLong	28, pp. 110-112, 1942.
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Spangbergiella	Lawson	71, 5:116-22, 1932.
Parabolocratus	Shaw	71, 5:38-52, 1932.
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Dicyphonia	Beamer	71, 9:66-71, 1936.
Cochlorhinus	Beamer	71, 13:51-57, 1940.
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Sanctanus	Oman	41, 36:75-76, 1934.
Scaphoideus	DeLong	41, 41:33-45, 1939.
Osbornellus	Beamer	71, 10:92-108, 1937.
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Cloanthanus	DeLong	76, 6:157-94, 1943.
	DeLong	91, 45:22-28, 1945.
Tumeus	DeLong	13, 38:168-74, 1943.

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Hebenarus	DeLong	96, 20:41-53, 1944.
Flexamia	DeLong	94, 2:22-38, 1926.
	DeLong and Slesman	39, 22:82-85, 1929.
Alapus	DeLong and Slesman	39, 22:86-87, 1929.
	Beamer and Tuthill	72, 22:527-31, 1935.
Latalus	DeLong and Slesman	39, 22:87-88, 1929.
Palus	DeLong and Slesman	39, 22:85-86, 1929.
Polyamia	DeLong	94, 2:46-58, 1926.
	DeLong and Slesman	39, 22:88, 1929.
Hebecephalus	DeLong	94, 2:61, 1926.
	Beamer and Tuthill	72, 22:531-39, 1935.
Laevcephalus	DeLong	94, 2:64-83, 1926.
	DeLong and Slesman	39, 22:92-96, 1929.
	Oman	132, 27:474-79, 1937.
Amplcephalus	DeLong	94, 2:83-85, 1926.
	DeLong and Slesman	39, 22:96-97, 1929.
Deltocephalus	DeLong	94, 2:85-97, 1926.
	DeLong and Slesman	39, 22:97-99, 1929.
Unoka	Lawson	39, 21:456-59, 1928.
Lonatura	DeLong	3, 52:93-102, 1926.
Gillettella	Osborn	39, 23:689-91, 1930.
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Amphipyga	Osborn	39, 23:691-97, 1930.
	Ball and Beamer	72, 26:9-42, 1940.
Athysanella	Osborn	39, 23:698-706, 1930.
	Ball and Beamer	72, 26:12-24, 1940.
Pectinopyga	Osborn	39, 23:697-98, 1930.
Brachydella	Ball and Beamer	72, 26:64-65, 1940.
Pedumella	Ball and Beamer	72, 26:65-66, 1940.
Gladionura	Osborn	39, 23:706-712, 1930.
	Ball and Beamer	72, 26:42-64, 1940.
Driotura	Lawson	39, 21:449-56, 1928.
Doratura	Ball and Beamer	72, 26:69-70, 1940.
Athysanus	Ball	3, 55:5, 1929.
	Slesman	36, 10:95-97, 1930.
Exitianus	Ball	3, 55:5-6, 1929.
	Slesman	36, 10:97-98, 1930.
Limotettix	Ball	3, 55:6-7, 1929.
Drylix	Slesman	36, 10:98-102, 1930.
	Lawson	39, 24:587-90, 1931.
	Medlar	82, 155:80-81, 1942.
Euscelis	Ball	3, 55:7-8, 1929.
	Slesman	36, 10:102-107, 1930.
Ophiola	Ball	13, 23:185-90, 1928.
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Commellus	Slesman	36, 10:122-24, 1930.
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	Sleesman	36, 10:93-95, 1930.
Aligia	Hepner	71, 12:106-117, 1939.
Mesamia	Beamer	19, 74:44-45, 1942.
Eutettix	Hepner	72, 28:259-88, 1942.
Ollarianus	DeLong	132, 34:391-98, 1944.
Norvellina	Lindsay	71, 11:113-22, 1938.
Menosoma	DeLong	13, 39:157-58, 1944.
Spathanus	DeLong	13, 39:159-60, 1944.
Omanana	DeLong	76, 4:293-99, 1941.
	DeLong	38, 55:151-58, 1944.
Iowanus	DeLong	91, 39:236-37, 1939.
Texanus	Osborn and Lathrop	39, 16:338-50, 1923.
	DeLong	132, 34:228-39, 1944.
Paraphlepsius	Osborn and Lathrop	39, 16:310-38, 1923.
	DeLong	76, 1:232-52, 1938.
Tropicanus	DeLong	41, 46:87-94, 1944.
Acinopterus	Lawson	39, 20:232-41, 1927.
	Beamer and Lawson	39, 31:476-88, 1938.
Idiodonus	Ball	13, 32:27-28, 1937.
Colladonus	Ball	13, 32:30-31, 1937.
Gloridonus	Ball	13, 32:31, 1937.
Friscanonus	Ball	13, 32:31, 1937.
Allygianus	Beamer	96, 14:153-54, 1938.
Pasadenus	Beamer	96, 15:190, 1939.
Ballana	DeLong	91, 37:105-124, 1937.
Cicadula (Cyperana)	DeLong	5, 18:225-33, 1937.
Paluda	DeLong	5, 18:233-34, 1937.
Elymana	DeLong	39, 29:636-39, 1936.
Arundanus	DeLong	5, 25:632-43, 1941.
Graminella	DeLong and Mohr	5, 18:622-30, 1937.
Calanana	Beamer	71, 12:81-82, 1939.
Knullana	DeLong	91, 51:86-88, 1941.
Chlorotettix	DeLong	93, 23:1-29, 1919.
	DeLong and Cartwright	39, 19:499-511, 1926.
	Brown	72, 21:235-55, 1933.
Baldulus	Oman	41, 36:79, 1934.
Davisonia	Dorst	125, 271:4-9, 1937.
Sonronius	Dorst	125, 271:9-11, 1937.
Macrosteles	Dorst	125, 271:11-22, 1937.
Jassus	Lawson	19, 59:171-73, 1937.
Neocoelidia	Oman	71, 4:62-68, 1931.
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Paracoelidia	Beamer	71, 9:31, 1936.
Tinobregmus	Lawson	39, 25:359-64, 1932.
Balclutha	DeLong and Davidson	41, 37:99-103, 1935.
Nesosteles	DeLong and Davidson	41, 37:103-112, 1935.

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Alebra	McAtee	87, 34:142-46, 1926.
Dikraneuroidea	Lawson	13, 24:307, 1929.
Dikraneura	DeLong and Caldwell	41, 39:17-34, 1937.
	Beamer	71, 16:54-63, 1943.
Alconeura	Ball and DeLong	39, 18:334-37, 1925.
	Griffith	72, 37:309-341, 1936.
Forcipata	DeLong and Caldwell	39, 29:70-77, 1936.
Empoasca	DeLong	126, 231:1-51, 1931.
	Oman and Wheeler	41, 40:133-47, 1938.
Idona	DeLong	126, 231:51-60, 1931.
Joruma	McAtee	54, 8:34, 1925.
Typhlocyba	McAtee	128, 68:1-47, 1926.
Hymetta	Fairbairn	71, 1:87-90, 1928.
Erythroneura	McAtee	3, 46:267-322, 1920.
	Robinson	72, 16:101-155, 1926.
	Beamer	19, 63:127-35, 240-44, 268-78, 285-89, 1931
		19, 64:12-17, 45-48, 69-72, 82-88, 134-44, 158-62, 174-81, 1932.
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