CORIXIDAE—CICADIDAE

PALMACORIXA Abbott

1462 P. buenoi Abb. Cranberry L. (O&D); Ithaca, JI (Bno); Carmel, Aug (Bno); White Plains, Mt. Kisco, Valhalla, May-Sep (Bno); Van Cort. Pk., Je (Bno); Central Pk., NYC, Ap (Bno); SI, Aug (Bno); LI: Cold Sp. Harb., Parsh (Bno).

CORIXA Geoffroy

1467 C. verticalis Fieb. LI: Maspeth, Dec 28, 1907, Ols (Plunk).

ORDER HOMOPTERA

The list in the order Homoptera has not had, properly speaking, a general editor, although Mr. E. P. Van Duzee was originally designated as in charge of this order at the time when the preparation of the state list as a whole was first contemplated. Pressure of other duties, and the transferral of Mr. Van Duzee's residence to California, have prevented him from continuing to take the general responsibility. While the Editor-in-Chief has assembled the data for many of the groups, Mr. Van Duzee has done an immense amount of work in making determinations, furnishing records, and correcting synonymy, with the exception of the specialized families Coccidae and Aphididae, which have been checked over by Messrs. Harold Morrison, and A. C. Baker and P. W. Mason, respectively. Mr. Van Duzee has been kind enough to look over the proof also.

The following families of this order are especially well represented in the State, due to the collecting and study by the specialists mentioned in connection with them: Cicadidae, Wm. T. Davis; Membracidae, W. D. Funkhouser, L. B. Woodruff, C. E. Olsen, and J. L. Buys; Cicadellidae, Herbert Osborn, D. M. DeLong, C. E. Olsen, and J. L. Buys; and for all three of these groups, of course, E. P. Van Duzee.

FAMILY CICADIDAE

Compiled by William T. Davis

TIBICEN Latreille

1473 T. linnei (Smith & Grossbeck). Clyde, Aug, Bish; Albion, Ontario, Aug (NYS); Hamburg, Aug (EPV); Buffalo, Aug (EPV); Geneva, Canandaigua, Sep, Fulton; Gowanda, Aug (EPV); Ithaca, Aug (Univ. of Minn.), Aug, Sep, (CU), Aug (la. State Coll.), Aug (Morse); Coeymans, Aug-Sep (NYS); Saugerties, Aug, Brb; West

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18 There are but nine species of cicadas in New York State, whereas more inland areas, as Kansas and Colorado, have about twenty-five species each, and on the Pacific coast they are even more numerous. In T. auletes, however, the State has one of the largest of North American cicadas, and in T. chloromesa one of the most noisy and energetic. With the exception of the seventeen-year cicada, practically nothing is known of the life cycle of any of the species.
CICADIDAE

Pt., Sep, Robn; Yonkers; White Plains, Aug 29; Rye, Sep, several specimens, Janius Bird; W. Nyack, Aug; Central Pk., 1906; Inwood, Sep, Ds; Van Cort. Pk., Aug, Ds; City I., Levisski; SI: generally distributed, but less plentiful where the soil is dry, late Jl-Sep; LI: found in places from Brooklyn along the north shore to Orient; occurs on Gardiners I. and at Montauk, but is probably absent or unusual in the pine-barren regions of the island.

1479 T. canicularis (Harr.). Crown Pt., Aug, Not; Keene Va!, Jl-Aug (NYS), thirty-nine females, six males, Aug 18-Sep 29, six collected in Aug, thirty-nine in Sep, Not, Aug 11-26, Diven, Sep, Eng; Jay, Jl (WEBritton); Upper Jay, Aug, Not; Mt. Whiteface, Aug, FHBenjamin; Ausable Chasm, Sep, Not; Hope, Aug (NYS); Newport, Sep (NYS); Lowville, Jl-Aug, RBAugh; Clinton, three females, PBFowler (Ds); Utica, Jl (NYS); Syracuse, Jl, AlBaxinger, Aug Sep, Dsk, Sep 11 (Ta. State Coll.); Baldwinsville, Sep (Mich. Agr. Coll.); Belle Isle, Jl (NYS); Oneida, Aug (US); Arcadia, Aug (Mich. Agr. Coll.); Clyde, Aug, Bish; Lake Bluff, Sep, Bish; Honey Falls, two males, one female, Aug, Knott; Batavia, Jl-Aug, Knott; Hamburg, Aug (EPV); Buffalo, Aug (EPV); Geneva, two males, one female, Aug, VHLowe, Aug-Sep, BBFulton; Portage, Jl, JLHoward; Wyoming Co, Sep, Knott; Jamestown, Jl, (NYS); Rock City, Sep, GWHawley; Ithaca, eight specimens, Jl 9, Sep 4 (CU), Aug (APMorse), Jl, HPMorrison, Aug (Miss. Agr. Coll.); Jl (Univ. of Mich.), Aug, Eng; Elmira, Aug, Diven; Preble, Aug (Ta. State Coll.); Saratoga Sps., Angua (AM); Albany, Jl, Aug; Karner, Jl, Aug, Sep (NYS); Nassau, Jl-Aug, Pears, Allaben, Aug, Dren, Aug, AHHelme; E. Jewett, Aug, Ds; Elk Bushkill Val., Sep; Debruce, Sep, Ds; Callicoon, Jl, Ds; L. Mahopac, Aug, TDOConner; West Pt., Sep, Robn; Valley Cottage; Peekskill, Aug, Sherm, Yonkers; SI: when there were many groves of pines on the island, this was not an uncommon species, but it has become the rarest of the genus; on Sep 18, 1917, one was heard singing from a pine tree in the Moravian Cemetery; LI: there are no records for the western part of the island, but from Central Pk. eastward it is a common species, especially in the pine areas; it is less plentiful along the morainal hills of the north shore, but has been found as far east as Orient and Promised Land and also on Shelter I.

1477 T. lyricen (DeG.). Ilion (Titus); Sodus, Foster (AM); Niagara Falls, Aug 18, 1909 (EPV); West Pt., Sep, Robn; White Plains, Aug, Otis, JBKnapp; Pleasantville, Kessler; Tarrytown, Jl, Wood; W. Nyack, Aug; Bronxville, Jl, Wood, Aug; Bronx Pk., Aug, Ds; Van Cort. Pk., Aug; Central Pk., NYC (AM); SI: generally distributed over the island, and in 1922 heard singing as early as Jl 8; is more of a tree-inhabiting species than chloromera; LI: found all over the island, including Orient Pt., Montauk, Shelter I., and Gardiners I. In late Aug, 1917, this species occurred in great numbers in places in the woods between Fresh Pond and Montauk; it was so abundant that the singing was a continuous performance.

1477a T. lyricen var. engelhardti (Ds.). Syracuse, Jl, AlBaxinger (Ta. State Coll.); Ithaca, Je (CU); West Pt., Sep 14, three males, Robn; LI: Montauk, Sep, Ds, Aug. In the South this variety occurs in the mountains and is rare in the lowlands.

1475 T. chloromera (Wlk.) (Cicada sayi Smith & Grossbeck). Gowanda, Aug, EPV; Albany, Jl (NYS); Aug, JSBailey (AM); Castleton, Aug (NYS); Phoenicia, Aug, EPV; Saugerties, Aug, fifteen specimens,
Cicadidae

Brb; Ft. Montgomery, Sep, Schott; Mt. Vernon, Aug, GBeyer; White Plains, Aug-Sep, nine males, two females, JBKnapp; Pleasantville, Sep, Kessler; Rye, Sep, Bird, Aug, Ds; Tarrytown, Ji, Wood; W. Nyack, Aug, Ots&Ds; Central Pk., Bronx Pk., Van Cort. Pk.; Throg’s Neck, Aug, thirty-seven males, eleven females, ASkinner; SI: distributed all over the island and often found on low vegetation; Ji 8 (in 1913) is the earliest date that one has been heard singing on the island; on Oct 11, 1919, a very warm day, two were heard at St. George; LI: common on the westerly part of the island, but not recorded east of Oyster Bay and Hempstead; appears to prefer rather damp, heavy soil; occurs in Prospect Pk., Brooklyn.

1484 T. auletes (Germ.). Van Cort. Pk., Aug, Ds; Manhattan I., Sep, Shoe; SI: rather partial to sandy ground; Arrochar, Old Place, Watchogue, Long Neck near Travisville, Richmond Val., Ji-Sep. On Sep 10, 1916, there were a considerable number of these insects in the trees to the north of the Finger Board Road near the corner of Sand Lane, Arrochar. They were so numerous that their songs were continuous. LI: Pine-lawn, Patchogue, Farmingville, Selden, Coram, Yaphank, Wading R., Riverhead, Montauk, Ji-early Oct. No doubt generally distributed over the island, especially in the areas of loose soil. Often sings in the late afternoon and into the evening.

Cicada Linnaeus

1501 C. hieroglyphica Say. LI: A few seen among the pines near Bald Hill, Riverhead, Aug, 1917, and six males captured in the same locality, Ji 18, 1918. The species no doubt occurs elsewhere on LI.

Magicicada Davis

1510 M. septendecim (L.) and form cassini (Fisher). Periodical Cicada, or Seventeen-Year Cicada. Occurs in certain years very plentifully on SI, LI, in the Hudson R. Val., and in the central and western parts of the State. Occurs more sparingly elsewhere in the State, and appears to be absent from the higher regions. Only a few of the broods recorded as occurring in the State are really of prime importance, the others feebly representing some outlying swarms, or being perhaps belated individuals or else those that have appeared prematurely.

The small form cassini appears with the larger septendecim and is usually considered as a variety of it. Its song is totally different from that of the large septendecim, being a series of chirps. It occurs in colonies in the area occupied by its larger relative, and is not so numerous or so widely spread.

On SI: brood 2 (1911-1928) appears in countless numbers; brood 6 (1915-1932) is the next largest, while broods 1, 3, 4, 5, 10, 13, 14, 15, and 17 have also been recorded, but not in large numbers.

On LI: brood 10 (1919-1936) and brood 14 (1923-1940) are the largest. Broods 1, 2, 4, 6, 9, and 11 have also been recorded. Brood 1 (1910-1927) has a considerable swarm in the Half Way Hollow Hills, and brood 5 (1914-1931) in several localities from Wyandanch to Wading R.

Elsewhere in the State, brood 2 (1911-1928) is the great swarm in the Hudson R. Val., extending as far north as Washington and Saratoga Counties. Brood 3 (1912-1929) has been reported from Geneseo (NYS...
CICADIDAE—CERCOPIDAE

Ent., 1912), brood 4 (1913–1930) from West Pt., brood 5 (1914–1931) from West Pt., brood 6 (1915–1932) from West Pt. (Robn), also from Dutchess, Greene, and Schenectady Counties (Rept. State Ent., 1915, and Bul. 71 of U. S. Dept. Agr., 1907); brood 7 (1916–1933) occurs in the central and western parts of the State, and has been reported from the following counties: Madison, Monroe, Onondaga, Ontario, Livingston, Yates, Cayuga, and Tompkins. Wyoming Co. is given, as well as the above, in Bul. 71 of the U. S. Dept. Agr., 1907. For brood 8 (1917–1934) there is a doubtful record for Chautauqua Co. Brood 10 (1919–1936) is recorded from Monroe, Ontario, Niagara, and Columbia Counties. Brood 15 (1924–1941) is recorded from Saratoga and Dutchess Counties, in Bul. 71 of the U. S. Dept. Agr., 1907.

OKANAGANA Distant

1518 O. rimosa (Say) (O. nuxboracensis Emmons). Wilmington, Jl, Ds; Ithaca;
1523 Windsor, Je, two females, Not; West Pt., pupa skin, Robn, and heard singing on several occasions (Ds); top of Bear Mt., Interstate Pk., Je, Schott; LI: Rockaway Beach, in drift, Je, Eng, Shoel.

The following records are supposed to belong to this species, though possibly they may belong to the next: Egleston's Glen, near Keuka L., Je, singing (Ds); near Potter Swamp, Je, a number singing; Letchworth Pk., Je 13, 1915, pupa skin, also a number singing. This species is distributed across the northern part of North America from Me to B.C.

1518 O. canadensis (Prov.). Valcour 1., L. Champlain, Aug (P. Laurent); Niagara Falls (AM); Buffalo, Je (EPV); Canandaigua L., Jl; Ithaca, Jl (NYS), Je (Iowa State Coll.); Enfield Falls, Aug; Indian Ladder, Jl, Schoharie, Je, Not.

FAMILY CERCOPIDAE

SUBFAMILY CERCOPINAE

MONECOPHORA Amyot and Serville

1545 M. bicincta Say. Ramapo, Jl (Ds); Moshulu, Bronx Pk., Jl, Joutel (Ds); Wyandanch, Aug (Ds, Ols); Yaphank, Aug (Ds).

1545a M. bicincta var. ignipecta Fitch. Mosholu, Jl (Ball).

SUBFAMILY APHROPHORINAE

APHROPHORA Germar

1546 A. quadrintotata Say. Cranberry L., Jl, Wanachna, Aug, on a variety of plants (Osb); White L., Zab (AM); L. Placid, Aug (EPV); Batavia, Aug, Kwet (Mor); Buffalo (EPV); Lime L, Salamanca, Gowanda, Jl-Aug (EPV); Ithaca, Jl-Aug (CU); Oliverena, Je, Shoe (Ols); L. George, Aug, Zab (Ols-AM); SI, Je-Oct (Ds); LI: Flatbush, Jl-Aug, Zab (Ols-AM); Flushing, North Beach, Maspet, Hempstead, Jl (Ols); Yaphank, Jl (Ds, Ols); Massapequa, Fire Place, Wading R., Southold, Orient, Jl-Sep (Ds).

L. A. Sterns, of the New Jersey Agricultural Experiment Station, has been so kind as to check the manuscript for the family Cercopidae.