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ADDITIONS AND CORRECTIONS TO THE LIST OF
MICHIGAN PENTATOMOIDEA (HEMIPTERA)J. E. McPherson¹

ABSTRACT

Six new species are added to the 1970 list of Michigan Pentatomoidea, and two are deleted.

In 1970, I published a list of the Pentatomoidea (= Scutelleroidea) of Michigan. From my own studies since that time, and with the cooperation of Drs. I. J. Cantrall, University of Michigan Museum of Zoology (UMMZ), R. L. Fischer, Michigan State University Entomology Museum (MSU), and E. H. Smith, Field Museum, Chicago, six additional Michigan species are now known, two of which were previously misidentified; label data and sex are included for each specimen.

Family THYREOCORIDAE (= Corimelaenidae)

Genus CORIMELAENA White
Subgenus CORIMELAENA White

nigra Dallas. This species has been listed from Hudson Bay, New York?, Michigan, Saskatchewan, the Yukon Territory, British Columbia, Washington, Oregon, California, Nevada, Colorado, Arizona, New Mexico, and Mexico (McAtee and Malloch, 1933). I previously reported it as widely scattered in Michigan but subsequent examination has shown that some of the specimens were misidentified (MSU). Those correctly identified (UMMZ), and additional specimens recently examined (UMMZ), confirm that *nigra* does occur in Michigan but is confined to the northern part of the state. Label information from the UMMZ specimens is as follows: Cheboygan, 17 June, 1928 (male, female), 21 June, 1928 (female), 23 July, 1928 (female), all (4) collected by Wesley Clanton; Mackinac Co., St. Ignace, 31 May, 1921 (two females), both collected by S. Moore; Keeweenaw Co., Isle Royale, 7 July, 1938 (male), G. Steyskal, Coll., Isle Royale, 13 July, 1938 (female), G. Steyskal, Coll., the female identified in 1940 as *Allocoris nigra* by Steyskal. All specimens (8) were identified in 1950 as *C. nigra* by R. F. Hussey. McAtee and Malloch (1933) recorded the species from Marquette.

C. nigra has been noted feeding in large numbers on *Ranunculus* seeds (Linsley and MacSwain, 1959).

obscura McPherson and Sailer. This recently described species is presently known to occur from Maryland and Pennsylvania south to Georgia, and west to Iowa, Kansas, and Louisiana (McPherson and Sailer, 1978). A Michigan adult specimen with the following label information was included in the paratypes and deposited in the U.S. National Museum: Wayne Co., 2 April, 1938 (female), Beebe, Coll.

This species is not uncommon but has been confused in the past with *C. lateralis* (Fabricius). It probably occurs throughout Michigan. It has been collected on common mullein and short-styled snakeroot, and noted feeding on the latter (McPherson and Sailer, 1978).

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Genus **CYDNOIDES** Malloch
 Subgenus **CYDNOIDES** Malloch

ciliatus orientis McAtee and Malloch. This subspecies has been collected in Florida, Missouri, Kansas, Nebraska, Texas, Colorado, Minnesota (McAtee and Malloch, 1933; Torre-Bueno, 1939) and Illinois (Hart, 1919). Three Michigan adult specimens are housed in the Entomology Collection of the Zoology Research Museum, SIU-C, and the MSU collection with the following label information: Van Buren Co., Van Buren St. Pk., 17 Aug., 1972 (male), R. D. Ward, Coll. (SIU-C), 13 Aug., 1970 (male, female), R. L. Fischer, Coll. (MSU).

This subspecies has been found burrowing in loose sand about the roots of grass (Hart, 1919) and the species, under *Euphorbia* and on *Cassia marilandica* L. (Torre-Bueno, 1939).

Family **PENTATOMIDAE**
 Subfamily **PENTATOMINAE**

Genus **HOLCOSTETHUS** Fieber (= *Peribalus* Mulsant and Rey)

fulvipes (Ruckes). This species has been recorded only from New York (Ruckes, 1957) and New Hampshire (McDonald, 1974), and is closely related to *H. abbreviatus* Uhler. Two Michigan adult specimens are housed in the UMMZ with the following label information: Charlevoix Co., Hog Island, 27 July, 1921 (male), T. H. Hubbell, Coll., identified in 1921 as *Peribalus piceus* (Dallas) and in 1956 as *H. abbreviatus* by R. F. Hussey; E. S. George Reserve, Evans Old Field, 23 May, 1976 (female), found in *Juniperus communis*, T. Evans, Coll., identified in June, 1976 as *H. abbreviatus* by I. J. Cantrall. The MSU specimen from Montcalm Co. (12 May, 1956) listed in my 1970 paper as *Peribalus abbreviatus* (Uhler) is actually a male specimen of *H. fulvipes*. Thus, *H. abbreviatus* is not presently known to occur in Michigan.

There is no life history information for this species.

piceus (Dallas). This species has been recorded from Alberta, Ontario, Colorado, Illinois, Iowa, Montana, and South Dakota (McDonald, 1974). Two Michigan adult specimens are housed in the UMMZ with the following label information: Cheboygan, 21 June, 1928 (male), Wesley Clanton, Coll, identified as *P. piceus* by R. I. Sailer Alger Co., Au Sable Pt. Forest Camp Ground, 26 June, 1973 (female), I. J. Cantrall, Coll., identified in 1973 as *H. piceus* by Cantrall.

There is no life history information for this species.

Genus **THYANTA** Stål

calceata (Say). This species occurs from New England south to Florida and west to Illinois (Blatchley, 1926) and Missouri (Oetting and Yonke, 1971). The MSU specimen from Wayne Co. (16 May, 1940) listed in my 1970 paper as *T. custator* (Fabricius) is actually a female specimen of *T. calceata*. Thus, *T. custator* is not presently known to occur in Michigan.

T. calceata has been collected from several plants including cheat, horseweed, ladino clover, red clover, white clover, mullein, blue-grass, soybeans, timothy, golden-rod, winter cress, wheat, milkweed (Oetting and Yonke, 1971), common brome-grass, and allegheny blackberry (McPherson and Mohlenbrock, 1976). It has been reared in the laboratory (Oetting and Yonke, 1971; McPherson, 1977), the eggs have been described (Oetting and Yonke, 1971), and its field life history has been studied (Oetting and Yonke, 1971; McPherson, 1977).

Subfamily **ASOPINAE**
 Genus **PODISUS** Herrich-Schaeffer

fretus Olsen. This species has been recorded from Massachusetts south to North Carolina, and from Indiana and Michigan (Blatchley, 1926). Its occurrence in Michigan was

based on a single specimen which I was unable to locate during the preparation of my 1970 list. I have since found it housed in the Field Museum, Chicago. The label information is as follows: Macatawa Beach, 10 June, 1906 (male), A. B. Wolcott, Coll., Chicago Natur. Hist. Mus. Coll. (ex W. J. Gerhard Collection). Thus, it does occur in Michigan.

This species has been found on oak and pine, and in beach washup (Olsen, 1916). It attacks the pine sawfly, *Neodiprion excitans* Rohwer (Hetrick, 1959).

ADDITIONAL COMMENTS

In Furth's 1974 publication of the Pentatomidae of Ohio, he mentioned three additional stink bug species from Michigan, *Brochymena carolinensis* (Westwood), *Murgantia histrionica* (Hahn), and *Mineus strigipes* (Herrich-Schaeffer). The presence of these species in Michigan was based on specimens reportedly housed in the UMMZ. However, neither Dr. Cantrall nor Dr. T. E. Moore (UMMZ) has been able to find those specimens in the museum, nor has Dr. Furth been able to provide additional information on them. Thus, I am unable to confirm the presence of these pentatomids in Michigan.

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