



# Newsletter of the Michigan Entomological Society

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## 2023 MES Annual Meeting Update

As announced in the last newsletter, this year's MES Annual Meeting will be held jointly with the Wisconsin Entomological Society on September 15-18 at the Harbor View Marina in the beautiful coastal town of Ludington, Michigan. The event promises to be a fascinating gathering of newcomers, long-held colleagues, and friends!

Please check the following link to view and download the [Registration and Call for Papers](#). There is also a tentative schedule of events. Return the completed form with payment to John at the address listed.

Attendees can gather informally at the beautiful Harbor View Marina beginning at 12 noon EDT on Friday, September 15; a buffet-style lunch will be served (1:30-2:30 PM).



Please promote attendance at this event by entomology students you may know, and certainly: forward the link to other interested naturalists, as you see fit. The more diverse the array of interests represented at our meeting, the better. We hope to see you at this super-charged, fun event!



With the *S.S. Badger* out-of-service for the remainder of the 2023 season, 'Plan B' has been activated and our Wisconsin friends can be accommodated on the sleekly-beautiful *Lake Express* (shown below; <https://www.lake-express.com>).

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## George C. Heaton 1935—2023



Long-time MES member George Heaton passed away on July 22, 2023 at the age of 88. George grew up in Ohio and worked as a Biological Technician in two USDA Forest Service Insect Research Units. George

started his U.S. Forest Service career in Delaware, OH around 1962. His main job in Ohio was to maintain a laboratory colony of locust borers. The larvae of this cerambycid beetle were reared on artificial diet (Wollerman et al. 1969), which George said he “prepared endlessly.” In 1967, George gladly transferred to the Forest Service Insect Unit on the MSU campus (Haack 2006) to work as the technician for Louie Wilson, who worked mostly in the field and on a wide variety of forest insects (Haack 2002). George worked as Louie’s technician from 1967 until 1990, when Louie retired, and then with Leah Bauer from 1990-1991, and then with Bob Haack from 1991-1995, when George retired. George worked mostly on the cottonwood leaf beetle with Leah and the pine shoot beetle with Bob.



George became a member of MES around 1968, which incidentally is when Louie Wilson became President-Elect of MES. George was the Associate MES Newsletter Editor from 1978 until 1998, working with lead editors Louie Wilson (1978-1988) and Bob Haack (1988-1998). During those years, George attended every MES Annual Meeting, and one of his duties was to take candid photos of all speakers as well as the meeting site, which were later printed in the MES newsletters. Because George was usually the man behind the camera at these MES meetings, there are almost no pictures of George during those years.

George was a great co-worker. He was very dependable, hard-working, meticulous, and had very neat penmanship! On the personal side, he was quiet with a dry sense of humor. When we were selecting field sites for research projects, George said the most important



criterion was to have a good restaurant nearby, and especially one that offered homemade pies. When working with Louis Wilson, the two of them came up with a pie rating system based on the mathematical constant Pi ( $\pi$ ), which starts off at 3.14. They figured, since Pi was an irrational number, going on forever, they could always find a better pie than the last one they had. I remember in one restaurant where the waitress also did the baking, George told her that he rated her pie at 3.1. She almost broke into tears,

thinking that 10 was perfect. We had to settle her down and explain the rating system to her.

George had many hobbies, but ice fishing and collecting rocks and minerals were his passions. George was an active member of the Central Michigan Lapidary and Mineral Society, and for many years he organized and led the Club's field trips throughout the Great Lakes region. Below are some of the papers that George co-authored as well as the references to the papers cited above.

By Bob Haack

### References

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**Wilson L.F.; G.C. Heaton; and P.C. Kennedy. 1977.** Development and survival of Saratoga spittlebug nymphs on alternate host plants. The Great Lakes Entomologist 10: 95-105.

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### Call for New State Species Records

Please consider preparing reports on any new Michigan species records from 2023 (and previous years) and submitting them for publication in an upcoming issue of the MES newsletter.

Please send your reports to Duke Elsner at [elsner@msu.edu](mailto:elsner@msu.edu) or





# Beetle species in the MSU-ARC not previously reported from Michigan: Contribution #4

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In conjunction with the preparation of a list of the beetles known to occur in Michigan, we have been going through the A.J. Cook Arthropod Research Collection at Michigan State University (MSU) and checking identifications of holdings for which we found no published record. We have completed that project and the list here represents our findings for the final group of families.

As we said previously, most of these are not recent introductions but have been in the MSU collection for years. However, in the 500+ literature sources that we have examined, these have apparently never been recorded from Michigan and represent **new state records**. Many of these species have been recorded from some or most of the states and Canadian provinces surrounding Michigan, so it is somewhat unusual that they have not been previously recorded from Michigan. We also had species in the collection that were identified in the past for which Michigan records had to be dubious or incorrect according to recent catalogs and lists. Thus, we have been checking those species in the collection for their validity. To be sure, we have found many species that had been misidentified. We have been correcting the identifications of those to the best of our abilities, some of which have also added new species names to the collection and to our Michigan beetle list (see <http://michiganbeetles.org/>).

This fourth contribution includes, as did the previous two, an addendum listing additional species found in the MSU collection which were reported for Michigan by Hubbard and Schwarz (1878), Wolcott (1909), Andrews (1916) and/or other early authors but have not been reported since and have been excluded from or doubted in most recent compilations.

New state records are hereby presented for 68 species from 12 families. IDs have been verified by WGR except as noted.

## Chrysomelidae (1 species)

*Strongylocassis atripes* (LeConte): 1 specimen, from Allegan Co. (1965)

## Elateridae (2 species)

*Acteniceromorphus vulneratus* (LeConte): 1 specimen, from Dickinson Co. (1984)

*Microhypnus striatulus* (LeConte): 3 specimens, from Dickinson Co. (1983, 1984)

## Ripiphoridae (4 species)

*Macrosiagon limbata* (Fabricius): 30 specimens, from Allegan Co. (1960, 1963, 1964, 1967), Gratiot Co. (1946), Ingham Co. (?), Ionia Co. (1952), Kalamazoo Co. (1959, 1960, 1961, 1963, 1964), Kent Co. (1945), Mecosta Co. (1948), Montcalm Co. (1948), Oakland Co. (1931, 1939), and Ottawa Co. (1934)

*Macrosiagon sayi* (LeConte): 1 specimen from Kalamazoo Co. (1961)

*Ripiphorus luteipennis* (LeConte): 2 specimens, from Dickinson Co. (1982) and Ingham Co. (1892)

*Ripiphorus fasciatus* (Say): 27 specimens, from Barry Co. (1956), Dickinson Co. (1983, 1984), Ingham Co. (1891, 1948, 1970, 1972), Kalamazoo Co. (1982), Midland Co. (1937), Oakland Co. (1920, 1968), Ottawa Co. (1954), and Shiawassee Co. (1952)

## Scarabaeidae (9 species)

*Cremastocheilus castaneae* Knoch: 4 specimens, from Dickinson Co. (1983), Gladwin Co. (1940), and Ingham Co. (1891), 3 w/IDs by G. Mynhardt 2012, verified by GLP

- Cremastocheilus knochii* LeConte: 1 specimen, from Oakland Co. (1926) w/ID by G. Mynhardt 2012, verified by GLP
- Cremastocheilus wheeleri* LeConte: 2 specimens, from Washtenaw Co. (2013), IDs by G. Parsons
- Dialytes ulkei* (Horn): 7 specimens, from Antrim Co. (2001, 2007) and Muskegon Co. (2008), some w/IDs by M. J. Paulsen, all IDs verified by GLP
- Dichelonyx kirbyi* Brown: 11 specimens, from Dickinson Co. (1984, 1990), IDs by G. Parsons
- Dichelonyx linearis* (Gyllenhal): 156 specimens, from Alger Co. (1910, 1911), Allegan Co. (1949, 1959, 1987), Antrim (1950, 2017), Barry Co. (1964), Bay Co. (1940), Chippewa Co. (1946, 1960, 1965), Clare Co. (1955), Clinton Co. (1955, 1961, 2003), Crawford Co. (1967), Dickinson Co. (1983), Gogebic Co. (1960, 1973), Grand Traverse Co. (2003), Hillsdale Co. (1934), Ingham Co. (1889, 1928, 1937, 1940, 1961, 1968), Iron Co. (1960), Kalamazoo Co. (1956, 1967, 1973), Kalkaska Co. (1950), Kent Co. (1948), Keweenaw Co. (1957, 1965, 1966), Lake Co. (1974, 1977), Lapeer Co. (1937), Livingston Co. (1932), Mackinac Co. (1956), Macomb Co. (1970), Marquette (1919, 1957), Mason Co. (1968), Midland Co. (1932, 1934, 1958, 1961), Monroe Co. (1964), Oakland Co. (1910, 1928, 1930, 1958, 1961), Ontonagon Co. (1960, 1973), Osceola Co. (1947), Ottawa Co. (1946), Roscommon Co. (1955, 2002), Schoolcraft Co. (1960, 2001), Shiawassee Co. (1985), St. Joseph Co. (1973, 1979), and Wayne Co. (1907, pre-1925), some w/IDs by Cartwright, Hatch, H.F. Howden or G. Parsons, and all verified by GLP
- Lechorodius terminalis* (Say): 3 specimens, from Ionia Co. (1928) and Wayne Co. (old, no date), all IDs verified by GLP
- Pleurophorus caesus* (Creutzer): 8 specimens, from Clinton Co. (2000), Ingham Co. (1937, 1956), and Midland Co. (1945, 1960), some w/IDs by Cartwright or M.J. Paulsen, and all verified by GLP
- Serica blatchleyi* Dawson: 2 specimens, from Oakland Co. (1923), IDs by G. Parsons
- Scirtidae (3 species)
- Contacyphon neovariabilis* (Klausnitzer): 5 specimens, from Ionia Co. (1959) and Isle Royale, Keweenaw Co. (1936, 1957); all w/IDs by D. K. Young, which we are accepting but have not confirmed.
- Herthania confinis* (Klausnitzer): 3 specimens, from Livingston Co. (1973), all w/IDs by J. B. Stribling, which we are accepting but have not confirmed. This is a very poorly known species. We are unaware of any records other than the original description (a single specimen from the Allegheny Mountains).
- Sacodes puchella* (Guerin-Meneville): 3 specimens, from Lake Co. (1974, 1975) and Oakland Co. (1921)
- Scraptiidae (1 species)
- Canifa pusilla* (Haldeman): 13 specimens, from Cheboygan Co. (1940), Keewanaw Co. (1966), Missaukee Co. (1945), Muskegon Co. (1945, 1958), Newaygo Co. (1958), and Oceana Co. (1945), one w/ID by Green
- Silvanidae (2 species)
- Oryzaephilus mercator* (Fauvel): 1 specimen, from E. Lansing, Ingham Co. (1973)
- Uleiota debilis* (LeConte): 28 specimens, from Isabella Co. (1929, 1946), Kent Co. (1946), Macomb Co. (1969, 1970, 1971), Manistee Co. (1942), Midland Co. (1944, 1945), Oakland Co. (1921), Saginaw Co. (1942, 1943), St. Clair Co. (1970), and Wayne Co. (1975), some w/IDs by Green

Staphylinidae (34 species)

*Acylophorus caseyi* Leng: 1 specimen, from Lake Co. (1977), ID by G. Parsons

*Aleochara lanuginosa* Gravenhorst: 5 specimens, from Macomb Co. (1969, 1971, 1972), w/IDs by G. Parsons

*Anotylus suspectus* (Casey): 1 specimen, from Midland Co. (1956) w/ID by Miller?

*Anotylus tetracarinosus* (Block): 5 specimens, from Midland Co. (1946, 1952, 1956, 1957), some w/IDs by Miller?

*Astenus americanus* (Casey): 3 specimens, from Livingston Co. (1933) and Oakland Co. (1928), all w/IDs by G. Parsons

*Brachycephala bubipennis* (Casey): 1 specimen, from Midland Co. (1957), ID confirmed by GLP

*Euconnus affinis* Casey: 1 specimen, from Midland Co. (1945), ID by G. Parsons [while we think this ID is correct, we cannot completely rule out the possibility that it may be *E. nigrescens* Casey, which would also be a new state record]

*Euconnus ludificans* (Casey): 2 specimens, from Midland Co. (1952, 1956), IDs by G. Parsons

*Eusphalerum convexum* (Fauvel): 17 specimens, from Crawford Co. (1953), Delta Co. (1955), Kalamazoo Co. (1946, 1955, 1957), Lake Co. (1940), Mackinac Co. (1955, 1959), Missaukee Co. (1949), and Osceola Co. (1952), IDs confirmed by GLP

*Gymnusa pseudovariegata* Klimaszewski: 1 specimen, from Keweenaw Co. (1964)

*Homaeotarsus capito* (Casey): 4 specimens, from Midland Co. (1945) and Washtenaw Co. (1951), all w/IDs by Green or Miller

*Homaeotarsus lecontei* (Horn): 3 specimens, from Kalamazoo Co. (1963), all w/IDs by G. Parsons & all verified by WGR

*Homaeotarsus parallelus* (Casey): 3 specimens, from Benzie Co. (1949), Ingham

Co. (1938), and Kalamazoo Co. (1956), 2 w/IDs by M.V. Miller

*Lathrobium amplipenne* Casey: 9 specimens, from Kalamazoo Co. (1960, 1963, 1964, 1972), all w/IDs by L. Watrous; originally described from the Hudson Valley in NY, also known from Ontario & New Brunswick

*Lathrobium nigrolineum* Casey: 3 specimens, from Clinton Co. (1964) and Saginaw Co. (1956, 1957), 1 w/ID by W.V. Miller; otherwise known only from Manitoba

*Lathrobium sparsellum* Casey: 1 Dreisbach specimen, from Midland Co. (1956); otherwise known only from Manitoba

*Leptacinus intermedius* Donisthorpe: 6 specimens, from Macomb Co. (1976, 1977) w/IDs by G. Parsons

*Lithocharis nigriceps* Kraatz: 3 specimens, from Kalamazoo Co. (1957), 2 w/IDs by M.V. Miller

*Omalium repandum* Erichson: 1 specimen, from Ingham Co. (1938) w/ID by G. Parsons

*Omalium rivulare* (Paykull): 2 specimens, from Dickinson Co. (1984) and Sanilac Co. (1967), w/IDs by R.J. Rood & confirmed by GLP

*Orus rubens* (Casey): 2 specimens, from Bay Co. (21 Apr 1951), both males, coll. by R.R. Dreisbach

*Paederus iowensis* (Casey): 22 specimens, from Cheboygan Co. (1962), Gladwin Co. (1949), Iosco Co. (1951), Livingston Co. (1933, 1947, 1962), Macomb Co. (1976), Oakland Co. (1980), St. Clair Co. (1969), and Washtenaw Co. (1962), all w/IDs by Sandra Statz

*Pelecomalium laevicolle* (LeConte): 1 specimen from Detroit, Wayne Co. (1904), ID by G. Parsons

*Phacophallus pallidipennis* (Motschulsky): 2 specimens, from Kalamazoo Co. (1982) and Detroit, Wayne Co. (1909), ID by G. Parsons

*Philonthus cognatus* Stephens: 27 specimens, from Berrien Co. (1963, 1968), Ingham Co. (1954-1968), Kalamazoo Co. (1955-1972), Midland Co. (1960), Macomb Co. (1968), and Saginaw Co. (1968), IDs by G. Parsons

*Philonthus pseudolodes* Smetana: 6 specimens, from Barry Co. (1959), Bay Co. (1958), Cheboygan Co. (1931?), Midland Co. (1942), Ingham Co. (1941), IDs by G. Parsons

*Philonthus sessor* Smetana: 1 specimen, from Gladwin Co. (1947) ID by G. Parsons; we did not check genitalia, so ID is tentative.

*Proteinus atomarius* Erichson: 2 specimens, from Dickinson Co. (1982), IDs by G. Parsons; previously reported by Herman (2001) who questioned all NA records and cited only Fauvel (1878) for MI. Fauvel's information was based on a now-rejected synonymy w/*P. parvulus* LeConte, so this is the first correctly reported record.

*Scaphisoma rubens* Casey: 1 specimen, coll. by Reece Bailer in Cheboygan Co. (3 Aug 1941), ID by G. Parsons

*Sepedophilus velocipes* (Casey): 1 R.R. Dreisbach specimen in poor condition, from Iron Co. (1953), ID by G. Parsons

*Stenichnus badius* (Casey): 1 specimen, Detroit, Wayne Co. (old, no date), ID by G. Parsons

*Stenichnus perforatus* (Schaum): 1 specimen, Midland Co. (1957), ID by G. Parsons

*Tachyusa americana* Casey: 5 specimens, from Lapeer Co. (1964) and Macomb Co. (1963, 1964), all w/IDs by G. Parsons

*Tachyusa gracillima* LeConte **or** *T. smetanai* Pasnik: 18 specimens, from Lapeer Co. (1964), Macomb Co. (1964, 1969), Midland Co. (1941, 1945), St. Clair Co. (1967), and Washtenaw Co. (1962). We are uncertain which of these species we have, but since neither has been reported

from Michigan, we are including this record here.

Tenebrionidae (4 species)

*Alphitophagus bifasciatus* (Say): 1 specimen from Midland Co. (1941)

*Asiopus minimus* (Palisot de Beauvois): 1 specimen, from Oakland Co. (1926) w/ID by A.W. Andrews

*Platydemus erythrocerum* Laporte & Brulle: 1 specimen, from Oakland Co. (1930)

*Tarpela micans* (Fabricius): 1 specimen, from "Ag. Coll. Mich./6432", presumably Ingham Co. (old, no date)

Trogidae (5 species)

*Omorgus asper* LeConte: 1 specimen, from Kalamazoo Co. (1960), w/ID by G.L. Parsons

*Omorgus scabrosus* (Palisot de Beauvois): 1 specimen, from Oakland Co. (1909), w/ID by G.L. Parsons

*Trox laticollis* LeConte: 1 specimen, from E. Lansing, Ingham Co. (1948), w/ID by G.L. Parsons

*Trox striatus* Melsheimer: 2 specimens, from Ingham Co. (1959), and Livingston Co. (1932), w/IDs by G.L. Parsons

*Trox tuberculatus* (DeGeer): 2 specimens, from Menominee Co. (1963) and Wayne Co. (1907), w/IDs by G.L. Parsons

Trogossitidae (1 species)

*Tenebroides marginatus* (Palisot de Beauvois): 8 specimens, from Wayne Co. (1976)

Zopheridae (2 species)

*Bitoma crenata* (Fabricius): 30 specimens, from Bay Co. (1973), Macomb Co. (1968, 1969, 1970, 1974), Oakland Co. (1980), St. Clair Co. (1970), St. Joseph Co. (1969), and Wayne Co. (1975), most w/IDs by G. Parsons

*Pycnomeris haematodes* (Fabricius): 2 very old specimens, simply labeled "Mic" with no further data

In addition to the above new state records, the MSU collection holds specimens of the following species which were reported for Michigan by early authors but have not been reported since and have been excluded from or doubted in most recent compilations.

#### Ripiphoridae

*Ripiphorus walshii* (LeConte): 22 specimens, from Barry Co. (1960), Berrien Co. (1968), Cass Co. (1959), Dickinson Co. (1983), Ingham Co. (1977), Ionia Co. (1960), Kalamazoo Co. (1963, 1964, 1968, 1982), Lenawee Co. (1959), Macomb Co. (1955), and Van Buren Co. (1972); previously reported by Hubbard and Schwarz (1878)

#### Salpingidae

*Sphaeriestes alternatus* (LeConte): 1 specimen from Chippewa Co. (1914), w/ID by A.W. Andrews; probably (one of) the specimen(s) that Andrews (1923) had as the basis for his report

#### Scarabaeidae

*Aegialia conferta* Horn: 5 specimens, from Berrien Co. (1959), Midland Co. (1941?), and Van Buren Co. (1959), all w/IDs by O. Cartwright, all verified by GLP; previously reported by Hubbard and Schwarz (1878)

*Diapterna hyperborea* (LeConte): 10 specimens, from Arenac Co. (1910), Baraga Co. (1945), Chippewa Co. (1913, 1914), and Oakland Co. (1909, 1931), some w/IDs by Cartwright & G. Parsons, all verified by GLP; previously reported by Hubbard and Schwarz (1878)

*Euphoria sepulcralis* (Fabricius): 1 specimen, from "Mich" (pre 1925) w/ID by Hatch, verified by GLP; previously reported by Townsend (1889)

*Onthophagus striatulus striatulus* (Palisot de Beauvois): 5 specimens, from Kalamazoo Co. (no date), Oakland Co. (1923), and Wayne Co. (old, no date); previously reported by Hubbard and Schwarz (1878)

*Stenothorax badipes* (Melsheimer): 8 specimens, from Allegan Co. (1959), Cass Co. (1995), Clinton Co. (1967, 1991, 1993), all w/IDs by Cartwright or M.J. Paulsen, and all verified by GLP; previously reported by Hubbard and Schwarz (1878)

*Valgus seticollis* (Palisot de Beauvois): 15 specimens, from Barry Co. (1968), Berrien Co. (1969), Calhoun Co. (1930, 1932), Eaton Co. (1951), Ingham Co. (1946), Jackson Co. (1964), Kalamazoo Co. (1965), Kent Co. (1946), Newaygo Co. (1956) and Oakland Co. (1910), some w/IDs by Cartwright or Richter, all verified by GLP; previously reported by Townsend (1889) and Evans (2014).

#### Scirtidae

*Exneria ruficollis* (Say): 12 specimens, from Berrien Co. (1974), Ingham Co. (1890, 1891, 1928, 1938), Midland Co. (1934, 1938, 1951, 1958), Oakland Co. (1912), and Van Buren Co. (1891), most w/IDs by R. Tetrault; previously reported by Hubbard and Schwarz (1878)

#### Scraptiidae

*Pentaria trifasciata* (Malsheimer): 14 specimens, from Bay Co. (1973), Clinton Co. (2021), Kalamazoo Co. (1982), Midland Co. (1938), Oakland Co. (1911, 1928, 1930, 1935), Saginaw Co. (1940), St. Joseph Co. (1941), and Wayne Co. (1917), some w/IDs by Green, Ray, or G. Parsons; previously reported by Hubbard and Schwarz (1878)

#### Silvanidae

*Dendrophagus cygnaei* Mannerheim: 5 specimens, from Alger Co. (1946, 1955), Charlevoix Co. (1960), Crawford Co. (1954), and Dickinson Co. (1983); previously reported by Hubbard and Schwarz (1878)

*Silvanus bidentatus* (Fabricius): 6 specimens, from Lapeer Co. (1945), Marquette Co. (1920), Oakland Co. (1931), and Saginaw Co. (1940), 5 w/IDs by



A.W. Andrews or Green; previously reported by Hubbard and Schwarz (1878), and Andrews (1923)

*Uleiota dubia* (Fabricius): 19 specimens, from Clare Co. (1950), Ingham Co. (1881), Iosco Co. (1938), Lapeer Co. (1937), Livingston Co. (1962), Macomb Co. (1969), Midland Co. (1937, 1948), Oakland Co. (1921), Shiawassee Co. (1943), and Wayne Co. (1909), one w/ID by Green; previously reported by Hubbard and Schwarz (1878), Townsend (1893), and Andrews (1923)

#### Staphylinidae

*Achenomorphus corticinus* (Gravenhorst): 20 specimens, from Kalamazoo Co. (1959, 1960, 1963, 1964, 1972), Muskegon Co. (1945), and Van Buren Co. (1946), some w/IDs by Green, L.E. Watrous, or M.V. Miller; previously reported by Hubbard and Schwarz (1878)

*Aleochara sculptiventris* (Casey): 21 specimens, from Dickinson Co. (1983, 1984), Macomb Co. (1970, 1972, 1977), Saginaw Co. (1968, 1969), Shiawassee Co. (1984) all w/ IDs by G. Parsons; previously reported by Hatch (1925)

*Anotylus exiguus* (Erichson): 7 specimens, from Kalamazoo Co. (1958), and Midland Co. (1946); previously reported by Hubbard and Schwarz (1878)

*Anotylus insignitus* (Gravenhorst): 2 specimens, from Detroit, Wayne Co. (old no date); previously reported by Hubbard and Schwarz (1878)

*Anotylus rugosus* (Fabricius): 3 specimens, from Clinton Co. (1956), and Midland Co. (1942, 1946), one w/ID by Green; previously reported by Hubbard and Schwarz (1878)

*Apocellus sphaericollis* (Say): 11 specimens, from "Mic" (old, no date), and Macomb Co. (1967, 1968, 1969), most w/IDs by G. Parsons; previously reported by Hubbard and Schwarz (1878)

*Atheta aemula* (Erichson): 1 specimen, from Chippewa Co. (1914) w/ID by Andrews; previously reported by Andrews (1923)

*Bolitobius cingulatus* Mannerheim: 1 specimen, from Detroit, Wayne Co. (1910) w/ID by G. Parsons; previously reported by Wolcott (1909), and Hubbard and Schwarz (1878)

*Carpelimus quadripunctatus* (Say): 4 specimens, from Midland Co. (1945), 3 w/IDs by Green; previously reported by Hubbard and Schwarz (1878)

*Carphacis dimidiatus* (Erichson): 1 specimen, from Newaygo Co. (1974) w/ID by G. Parsons; previously reported by Hubbard and Schwarz (1878)

*Cedius spinosus* LeConte: 2 specimens, from Livingston Co. (1944) and Detroit, Wayne Co. (old, no date), IDs by G. Parsons; previously reported by Hubbard and Schwarz (1878)

*Euconnus fatuus* (LeConte): 3 specimens, from Wayne Co. (old, no date), IDs confirmed by GLP; previously reported by Hubbard and Schwarz (1878)

*Euconnus rarus* (LeConte): 16 specimens, from Allegan Co. (2008), Crawford Co. (1949), Isabella Co. (1957), Midland Co. (1945, 1951, 1952, 1956), Saginaw Co. (1957), and Wayne Co. (old, no date), IDs by G. Parsons; previously reported by Hubbard and Schwarz (1878)

*Euconnus salinator* (LeConte): 5 specimens on one pin, from Detroit, Wayne Co. (old, no date), ID by G. Parsons; previously reported by Hubbard and Schwarz (1878)

*Eutrichites zonatus* (Brendel): 5 specimens, from Clinton Co. (2001, 2007, 2008) and Kalamazoo Co. (1967), all w/IDs by G. Parsons; previously reported by Schwarz (1876), and Hubbard and Schwarz (1878)

*Homaeotarsus badius* (Gravenhorst): 7 specimens, from Berrien Co. (1971), Clinton Co. (2005), Macomb Co. (1969, 1971), and Wayne Co. (1905, 1909,

- 1911); previously reported by Hubbard and Schwarz (1878). This is a difficult genus that needs study. *H. badius* is very similar to *H. strenuus* (Casey), so consider this ID of the MSU specimens as tentative.
- Homaeotarsus cinctus* (Say): 8 specimens, from Kalamazoo Co. (1957, 1963), Livingston Co. (1944), Macomb Co. (1970), Roscommon Co. (1953), and Van Buren Co. (1891), most w/IDs by Green, M.V. Miller, or G. Parsons; previously reported by Hubbard and Schwarz (1878)
- Homaeotarsus cribratus* (LeConte): 14 specimens, from Clinton Co. (1987, 2000), Ingham Co. (1924, 1926, 1928), Macomb Co. (1964, 1967, 1968), and Wayne Co. (1940), most w/IDs by M.V. Miller or G. Parsons; previously reported by Hubbard and Schwarz (1878)
- Homaeotarsus pallipes* (Gravenhorst): 12 specimens, from Berrien Co. (1968), Macomb Co. (1963, 1974), Midland Co. (1949, 1956), Oakland Co. (1904, 1982), Washtenaw Co. (1962), and Wayne Co. (1909), most w/IDs by G. Parsons; previously reported by Hubbard and Schwarz (1878) and Hatch (1925)
- Homaeotarsus sellatus* (LeConte): 41 specimens, from Arenac Co. (1950), Baraga Co. (1964), Huron Co. (1951), Ingham Co. (1924, 1956), Kalamazoo Co. (1957, 1958, 1960, 1961, 1963), Macomb Co. (1963, 1969, 1970, 1971), Midland Co. (1936, 1956, 1957), Monroe Co. (1980), Ottawa Co. (1977), St. Joseph Co. (1971), and Van Buren Co. (1946), most w/IDs by Miller, G. Parsons, or Voris; previously reported by Andrews (1916) and Hatch (1925)
- Lathrobium armatum* Say: 2 specimens, from Kalamazoo Co. (1963) and Midland Co. (1957), one w/ID by L. Watrous; previously reported by Hubbard and Schwarz (1878)
- Lathrobium debile* LeConte: 4 specimens, from Midland Co. (1957); previously reported by LeConte (1880), and Casey (1905)
- Lathrobium fauveli* Duvivier: 2 specimens, from Whitefish Point, Chippewa Co. (1914); previously reported by Adams (1909) and Andrews (1923) as *L. simplex* LeConte
- Lesteva pallipes* LeConte: 1 specimen, from Antrim Co. (2005) w/ID by G. Parsons; previously reported by Hubbard and Schwarz (1878)
- Lithocharis ochraceus* (Gravenhorst): 5 specimens, from Kalamazoo Co. (1875, 1959) and Roscommon Co. (1945); previously reported by Hubbard and Schwarz (1878) and Leng (1920)
- Lobrathium collare* (Erichson): 20 specimens, from Alcona Co. (1951), Ingham Co. (1935), Iosco Co. (1951), Kalamazoo Co. (1957, 1958), Manistee Co. (1952), Midland Co. (1944, 1946, 1956), Roscommon Co. (1953), Saginaw Co. (1945), Van Buren Co. (1946), Wayne Co. (1908), and Wexford Co. (1953), some w/IDs by M.V. Miller; previously reported by Hubbard and Schwarz (1878), and Andrews (1923)
- Lobrathium longiusculum* (Gravenhorst): 7 specimens, from Kalamazoo Co. (1911, 1957), Midland Co. (1939, 1948), Saginaw Co. (1945), and Wayne Co. (old, no date), some w/IDs by M.V. Miller; previously reported by Hubbard and Schwarz (1878)
- Neobisnius paederoides* (LeConte): 6 specimens from Clare Co. (1945), Ingham Co. (1958), and Midland Co. (1937, 1945), IDs confirmed by GLP; previously reported by Hubbard and Schwarz (1878)
- Neobisnius sobrinus* (Erichson): 4 specimens from Midland Co. (1945, 1947) and Oakland Co. (1905), IDs confirmed by GLP; previously reported by Hubbard and Schwarz (1878)

- Oxytelus sculptus* Gravenhorst: 2 specimens, from Midland Co. (1945), both w/IDs by Green; previously reported by Hubbard and Schwarz (1878), and Andrews (1923)
- Paederus palustris* Austin: 5 specimens, from Huron Co. (1951), Midland Co. (1945, 1945), and Wayne Co. (old, no date), all w/IDs by Sandra Statz; previously reported by Hubbard and Schwarz (1878)
- Palaminus testaceus* Erichson: 4 specimens, from Gladwin Co. (1958), Gratiot Co. (1956), and M.A.C., Ingham Co.? (old, no date), 2 w/IDs by Miller; previously reported by Hubbard and Schwarz (1878)
- Platystethus americanus* Erichson: 20 specimens, from Ingham Co. (1966), Iosco Co. (1950), Macomb Co. (1965, 1967, 1968, 1970, 1971), and Midland Co. (1957), most w/IDs by G. Parsons; previously reported by Hubbard and Schwarz (1878), and Hatch (1925)
- Pleurotobia trimaculata* (Erichson): 4 specimens, from Ingham Co. (1921), Kalamazoo Co. (old, no date) and Wayne Co. (1907, & old, no date); previously reported by Hubbard and Schwarz (1878), and Andrews (1923)
- Pseudolathra americana* (Duvivier): 63 specimens, from Clare Co. (1959), Ingham Co. (1956), Kalamazoo Co. (1957, 1958, 1959, 1960, 1963, 1971), Livingston Co. (1943), Midland Co. (1944, 1945, 1950), and Van Buren Co. (1946), many w/IDs by Green, M.V. Miller or L.E. Watrous; previously reported by Townsend (1889)
- Pseudolathra barda* (Casey): 4 specimens, all from E. Lansing, Ingham Co. (20 May 1959)
- Rhexius insculptus* LeConte: 1 specimen, from Clinton Co. (2000), w/ID by G. Parsons; previously reported by Hubbard and Schwarz (1878)
- Rugilus dentatus* Say: 5 specimens, from Chippewa Co. (1914), Gratiot Co. (1956), "M.A.C." (=Ingham Co.?, old w/no date), and Midland Co. (1935); previously reported by Hubbard and Schwarz (1878) and Andrews (1923)
- Rugilus rudis* (LeConte): 1 specimen, from Oakland Co. (1915); previously reported by Hubbard and Schwarz (1878)
- Scaphidium piceum* Melsheimer: 13 specimens, from Clinton Co. (1957), Ingham Co. (1881, 1890, 1938, 1947), Kalamazoo Co. (1960), Livingston Co. (1933), Midland Co. (1961), Saginaw Co. (1940), and St. Joseph Co. (1959), w/ID by G. Parsons; previously reported by Hubbard and Schwarz (1878)
- Scaphidium quadriguttatum* Say: 9 specimens, from Ingham Co. (1962), Iosco Co. (1951), Marquette Co. (no date), Oakland Co. (1923), Ottawa Co. (1941), St. Joseph Co. (1953), and Wayne Co. (1904, 1938), w/ID by G. Parsons; previously reported by Hubbard and Schwarz (1878)
- Scaphisoma suturale* LeConte: 3 specimens, from Midland Co. (1943, 1957), and Wayne Co. (no date), w/ID by G. Parsons; previously reported by Hubbard and Schwarz (1878)
- Silusida marginella* (Casey): 1 specimen, from Roscommon Co. (1939) w/ID by Green; previously reported by Hatch (1925); previously reported by Hubbard and Schwarz (1878)
- Sunius confluentus* (Say): 47 specimens, from Barry Co. (1957), Clare Co. (1946, 1950), Gladwin Co. (1945), Gratiot Co. (1948), Ingham Co. (1902, 1955), Kent Co. (1938), Livingston Co. (1944), Midland Co. (1940, 1941, 1944, 1945, 1946, 1947, 1949, 1950, 1951, 1952, 1956), Roscommon Co. (1945), Saginaw Co. (1948, 1951, 1952), Shiawassee Co. (1952), and St. Clair Co. (1949), some w/IDs by Green, M.V. Miller, or L.E.

Watrous; previously reported by Hubbard and Schwarz (1878), Andrews (1923), and Hatch (1924)

*Trigonodemus striatus* LeConte: 2 specimens, coll. by A.W. Andrews from Oakland Co. (1922), IDs confirmed by GLP; probably the same specimens on which Andrews (1923) based his report.

#### Stenotrachelidae

*Cephaloon unguare* LeConte: 1 specimen, from Whitefish Point, Chippewa Co. (1914) w/ID by A. W. Andrews; previously reported by Hubbard and Schwarz (1878), and Andrews (1923)

*Cephaloon lepturides* Newman: 17 specimens, from Antrim Co. (2007), Charlevoix Co. (1922), Chippewa Co. (1914), Ingham (1924), Marquette Co. (old, no date), and Oakland Co. (1921, 1930, 1980), some w/IDs by A. W. Andrews or GLP; previously reported by Hubbard and Schwarz (1878), Andrews (1923), and Hatch (1925)

#### Tenebrionidae

*Mycetochara fraterna* (Say): 26 specimens, from Antrim Co. (2000, 2002, 2003), Clinton Co. (2001, 2002), Midland Co. (1945, 1961), St. Clair Co. (bef 1925), and Wayne Co. (bef 1925) some w/IDs by J.D. Marshall or G.L. Parsons; previously reported by Hatch (1925)

#### Tetratomidae

*Hallomenus scapularis* Melsheimer: 4 specimens, from Cheboygan Co. (1941), Chippewa Co. (1913), and Wayne Co. (no date, 1939); previously reported by Hubbard and Schwarz (1878), Andrews (1923), and Hatch (1925)

*Penthe obliquata* (Fabricius): 55 specimens, from Antrim Co. (1989), Cheboygan Co. (1931, 1947, 1953), Clare Co. (1958), Clinton Co. (2000, 2002), Ingham Co. (1922, 1940, 1941, 1956, 1959, 1964, 1967, 2000, 2012), Iosco Co. (1940), Kalamazoo Co. (1955, 1960, 1963), Keweenaw Co. (1937, 1957), Lake Co. (1940), Livingston Co. (1943), Luce Co.

(1966), Manistee Co. (1967), Marquette Co. (2000), Midland Co. (1939, 1951), Montcalm Co. (1948), Oakland Co. (1921, 1979), Otsego Co. (2006), Roscommon Co. (1945), Saginaw Co. (1952), Shiawassee Co. (1952), and Wayne Co. (old, no date), some w/IDs by A.W. Andrews or G. Parsons; previously reported by Hubbard and Schwarz (1878), Townsend (1886), Andrews (1923), and Hatch (1925)

*Penthe pimelia* (Fabricius): 39 specimens, from Antrim Co. (1993, 2000, 2001), Barry Co. (1932), Ingham Co. (1881, 1931, 1932, 1937, 1938, 1940, 1948, 1953, 1973, 2000), Kalamazoo Co. (1957, 1963, 1967), Kalkaska Co. (1986), Lake Co. (1940), Marquette Co. (2000), Oakland Co. (1931), Saginaw Co. (1938), Washtenaw (1931) and Wayne Co. (old, no date), some w/IDs by G. Parsons, T.J. Spilman, or D.K. Young; previously reported by Hubbard and Schwarz (1878), and Andrews (1929)

*Pisenus humeralis* (Kirby): 32 specimens from Berrien Co. (1917), Ingham Co. (1965, 1975), Livingston Co. (ca. 1930), Oakland Co. (1912, 1917, 1933), and Wayne Co. (old, no date); previously reported by Hubbard and Schwarz (1878), and Andrews (1916)

*Tetratoma tessellata* Melsheimer: 2 specimens, from Ingham Co. (2013) and Muskegon Co. (2008); previously reported by Hubbard and Schwarz (1878)

*Tetratoma truncorum* LeConte: 10 specimens, from Ingham Co. (1923, 1962, 1971), Oakland Co. (1931), and Wayne Co. (1909), some w/IDs by R. Leschen or P. Skelley; previously reported by Townsend (1886) and Townsend (1889)

#### Trogidae

*Trox sordidus* LeConte: 2 specimens, from Detroit, Wayne Co. (1915); previously reported by Hubbard and Schwarz (1878)

Trogossitidae (1 species)

*Tenebroides bimaculatus* (Melsheimer): 4 specimens, from Kalamazoo Co. (1956, 1963, 1967); previously reported by Hubbard and Schwarz (1878)

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