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TERRESTRIAL ISOPOD (CRUSTACEA, ISOPODA) SPECIES RECORDED FROM THE GREAT LAKES REGION

J. Jass and B. Klausmeier¹

ABSTRACT

Twenty species of isopods have been recorded from the Great Lakes region. Synonymic notes and citations are presented to aid in further research on the isopod fauna of this region.

Not since the work of Van Name (1936, 1940) has there been a source in the literature which summarized the North American distribution records for isopods over a wide geographical region. Therefore as a preliminary step to future studies of terrestrial isopods and their ecological role in the habitats where they are found, we have searched the literature for distribution records from the following states and province: Illinois (IL), Indiana (IN), Michigan (MI), Minnesota (MN), New York (NY), Ohio (OH), Ontario (ONT), Pennsylvania (PA), and Wisconsin (WI). The following list is arranged by family following Harding & Sutton, 1985 and then in alphabetical order by species name. Synonyms used in the publications cited are listed below the currently accepted name. It is not our intent to cite all synonyms for these species, only those used by the authors cited. The source of the record is given following the species name. Where an author cited previous records, we generally used only the original references and did not include secondary citations. Twenty species have thus far been reported from the Great Lakes region. Most authorities (e.g. Hatch 1947, Muchmore 1957) agree that the majority of these species are introduced rather than endemic to the region.

SPECIES LIST

LIGIIDAE

Ligidium elrodii (Packard): IL-Holmquist 1926; IN-Eberly 1953, Underwood 1886; MI-Hatchett 1947, Pearse 1910; NY-Richardson 1905; ONT-Judd 1965, Underwood 1886, Walker 1927

L. hypnorum Cuv: Holmquist 1926, Underwood 1886

L. longicaudatum Stoller: Eberly 1953, Hatchett 1947, Judd 1965, Pearse 1910, Richardson 1905, Walker 1927

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TRICHONISCIDAE

Androniscus dentiger Verhoeff: ONT-Van Name 1940
Trichoniscus (A.) d. Verhoeff: Van Name 1940

Haplophthalmus danicus Budde-Lund: IN-Eberly 1953, Richardson 1905; NY-Muchmore 1957; ONT-Judd 1965, Walker 1927
H. puteus Hay: Richardson 1905

Hyloniscus riparius (Koch): NY-Muchmore 1957; PA-Schultz 1965; WI-Jass & Klausmeier 1987

Miktoniscus barrai Vandel: IN-Schultz 1976

Miktoniscus medcofi (Van Name): IL-Van Name 1940; IN-Schultz 1976; NY-Muchmore 1957; OH-Muchmore 1964, Schultz 1976
M. ohioensis Muchmore: according to Schultz 1976
Trichoniscus (Miktoniscus) medcofi Van Name: Van Name 1940
Trichoniscus sp. Eberly 1953: according to Schultz 1976

Trichoniscus pusillus (Blake): IN-Eberly 1953; MI-Hatchett 1947; NY-Lohmander 1927, Muchmore 1957; ONT-Judd 1965, Underwood 1886, Walker 1927; PA-Lohmander 1927, Schultz 1965, Van Name 1936; WI-Jass & Klausmeier 1987
T. pusillus Brandt: Lohmander 1927, Underwood 1886, Walker 1927
T. demivirgo Blake: Eberly 1953, Hatchett 1947, Judd 1965, Muchmore 1957, Van Name 1936

Trichoniscus pygmaeus Sars: IL-Van Name 1940; NY-Muchmore 1957

ONISCIDAE

Oniscus asellus Linnaeus: IL-Richardson 1905; MI-Hatchett 1947; MN-Sargent 1973; NY-Muchmore 1957, Neuhauser & Hartenstein 1978, Richardson 1905; ONT-Judd 1965, Underwood 1886, Walker 1927; PA-Richardson 1905, Underwood 1886
O. affinis Say: Underwood 1886
O. vicarius Stuxberg: Underwood 1886

PHILOSCHIIDAE

Philoscia muscorum (Scopoli): NY-Schultz 1974

Philoscia vittata Say: NY-Richardson 1905, Schultz 1974

PLATYARTHRIDAE

Platyarthrus hoffmannseggi Brandt: NY-Muchmore 1957

ARMADILLIDIIDAE

Armadillidium nasatum Budde-Lund: IL-Van Name 1936 & 1940; IN-Eberly 1953; MI-Hatchett 1947; MN-Sargent 1973; NY-Muchmore 1957, Neuhauser & Harten-

stein 1978, Richardson 1905, Van Name 1936; ONT-Judd 1965, Van Name 1936, Walker 1927; PA-Hatch 1947.

A. quadrifrons Stoller: Richardson 1905, Walker 1927

Armadillidium vulgare (Latreille): IN-Eberly 1953; MI-Hatch 1939, Hatchett 1947; MN-Sargent 1973; NY-Muchmore 1957, Neuhauser & Hartenstein 1978, Richardson 1905, Underwood 1886; OH-Richardson 1905; ONT-Judd 1965, Walker 1927; PA-Schultz 1965; WI-Jass & Klausmeier 1987

A. pilulare Stuxberg: Underwood 1886

CYLISTICIDAE

Cylisticus convexus (DeGeer): IL-Richardson 1905; IN-Eberly 1953; MI-Hatch 1939, Hatchett 1947, Pearse 1910, Richardson 1905; MN-Sargent 1973, Van Name 1936; NY-Fitch 1856, Muchmore 1957, Richardson 1905; OH-Richardson 1905; ONT-Hatch 1939, Judd 1963 & 1965, Underwood 1886, Walker 1927; PA-Hatch 1947, Schultz 1965; WI-Jass & Klausmeier 1987

Porcellio convexus Johnsson: Underwood 1886

PORCELLIONIDAE

Porcellio laevis Latreille: NY-Van Name 1936; OH-Richardson 1905, Van Name 1936; ONT-Hatch 1947

Porcellio scaber Latreille: IL-Fitch 1856, Richardson 1905; IN-Eberly 1953; MI-Hatch 1939, Hatchett 1947, Richardson 1905; MN-Sargent 1973; NY-Muchmore 1957, Neuhauser & Hartenstein 1978, Richardson 1905, Van Name 1936; OH-Fitch 1856, Richardson 1905; ONT-Judd 1965, Walker 1927; PA-Hatch 1947, Underwood 1886; WI-Jass & Klausmeier 1987

P. niger Say: Underwood 1886

Porcellio spinicornis Say: MI-Hatch 1939, Hatchett 1947; MN-Sargent 1973; NY-Fitch 1856, Muchmore 1957, Richardson 1905, Van Name 1936; ONT-Judd 1965, McQueen 1976, Underwood 1886, Walker 1927; WI-Jass & Klausmeier 1987

P. pictus Brandt: Underwood 1886

P. vittatus Fitch: Fitch 1856

Porcellionides pruinosus (Brandt): IL-Fitch 1856; IN-Eberly 1953; MI-Hatch 1939 & 1947, Hatchett 1947; MN-Hatch 1947, Sargent 1973; NY-Fitch 1856, Muchmore 1957; OH-Richardson 1905; ONT-Judd 1965, Walker 1927; WI-Jass & Klausmeier 1987

Metoponorthus p. (Brandt): Muchmore 1957, Richardson 1905, Walker 1927

Porcellio immaculatus Fitch: Fitch 1856

TRACHELIPIDAE

Trachelipus rathkei (Brandt): IL-Cole 1946, Hatch 1947, Holmquist 1926, Rapp 1988; IN-Eberly 1953, Hatch 1939, House 1911; MI-Hatch 1939, Hatchett 1947, Pearse 1910 & 1913, Richardson 1905; MN-Sargent 1973; NY-Fitch 1856, Muchmore 1957, Richardson 1905, Underwood 1886; OH-Richardson 1905; ONT-Hatch 1939, Judd 1963 & 1965, McQueen 1976, Pearse 1913, Rapp 1988, Underwood 1886, Walker 1927; PA-Hatch 1947; WI-Jass & Klausmeier 1987

- Porcellio limatus* Fitch: Underwood 1886
Porcellio mixtus Fitch: Fitch 1856
Porcellio r. Brandt: House 1911, Pearse 1910 & 1913, Richardson 1905, Walker 1927
Porcellio trilineatus Koch: Underwood 1886
Tracheoniscus r. Brandt: Eberly 1953, Holmquist 1926, Judd 1963 & 1965, McQueen 1976, Sargent 1973

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