

## New records of the exotic jumping spider *Pseudeuophrys erratica* (Araneae: Salticidae: Euophryini) in the United States

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**Abstract.** The jumping spider *Pseudeuophrys erratica* (Walckenaer 1826) is native to Europe and Western Siberia (Logunov 1998) and was first reported as an introduction to North America by Cutler (1982). Here I report new North American records for this species in Connecticut, New Jersey, New York, Massachusetts, Pennsylvania, Rhode Island, and Vermont, as well as a confirmed observation in Eugene, Oregon, suggesting that this species may now be established on both sides of the United States.

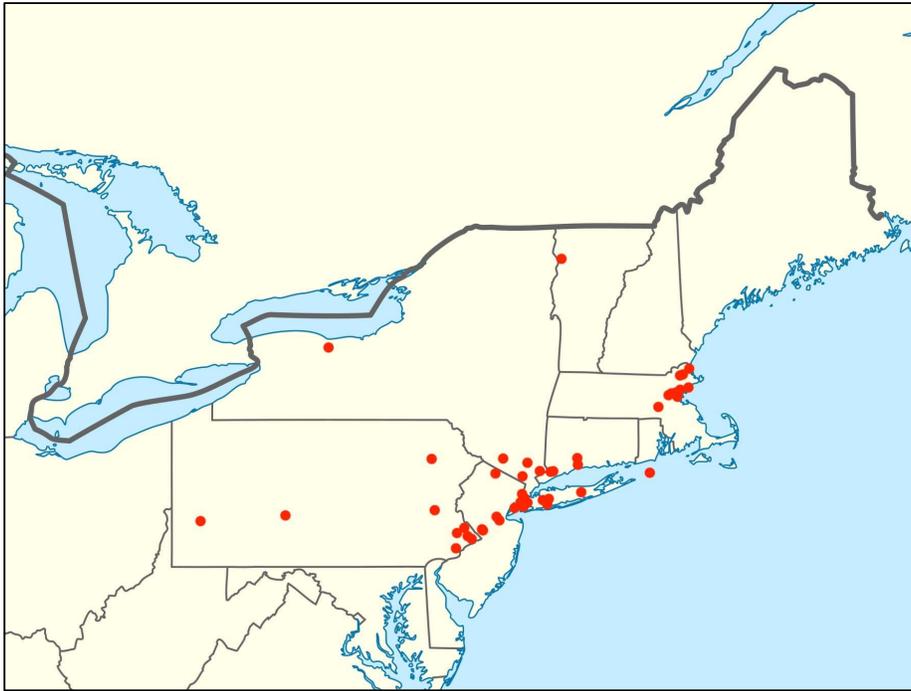
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*Pseudeuophrys* Dahl 1912 is a genus of small to medium-sized Palearctic jumping spiders in the tribe Euophryini (Maddison 2015). The type species for the genus, *Pseudeuophrys erratica* (Walckenaer 1826) has a wide distribution in Europe and Asia. A single female of this species was collected in 1981 by Bruce Cutler in Oradell, New Jersey (part of the New York City Metropolitan Area), and this species was subsequently reported as new to North America (Cutler 1982). *P. erratica* was subsequently collected at the same locality several times, from fences and woodpiles in a suburban environment (Cutler 1990). In 1983, this species was found inside a building in New York City (Edwards 2003).

Since these initial reports, more than one hundred additional sightings of *P. erratica* have been recorded in the United States on websites such as *iNaturalist* and *BugGuide* (Appendix 1). The species has become relatively common in the Boston and New York City areas where it is often found on or inside buildings in suburban areas. It now ranges across most of the northeastern United States, extending as far north as Burlington, Vermont, and as far west as Pittsburgh, Pennsylvania (Figures 1-6).

Recently, two specimens were also collected in Eugene, Oregon, by Nick Wiser. Photos of these two specimens were posted on *BugGuide* in April 2018. They were tentatively identified as *Pseudeuophrys* by Chad Heins, and later confirmed as *P. erratica* by Ken Schneider and Tim Manolis at the California Academy of Sciences through examination of the pedipalps (Figure 7). This appears to represent a distinct population of the species on the West Coast of the United States.

*Pseudeuophrys erratica* has previously been reported from a wide range of habitats including forests, bogs, meadows, rock outcrops, beach cliffs, and buildings (Logunov & Marusik 2000; Edwards 2003). It has also been reported from a wide range of temperate climates (Logunov 1998; Logunov & Marusik 2000). Given the species' adaptability, it would not be surprising if *P. erratica* became widely distributed across the northern United States and southern Canada, as has occurred with other introduced northern Palearctic salticids, such as *Sitticus fasciger*.



**Figure 1.** Known distribution of *Pseudeuophrys erratica* in the northeastern United States.



**Figures 2-7.** 2-5, Male *Pseudeuophrys erratica* in Essex County, Massachusetts. Photos by Richard Walton (CC-BY 3.0). 6, Male *P. erratica* in Pittsburgh, Pennsylvania. Photo by Ryan Kaldari (CC0 1.0). 7, Ventral view of left pedipalp of male *P. erratica* from Eugene, Oregon. Photograph by Ken Schneider (CC-BY 4.0).

## References

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## Appendix 1

### Recent locality records for *Pseudeuophrys erratica*

2008-04-26	<i>BugGuide</i>	Marblehead, Massachusetts	2017-06-03	<i>BugGuide</i>	Boxford, Massachusetts
2012-04-20	<i>BugGuide</i>	Belmont, Massachusetts	2017-06-10	<i>BugGuide</i>	Malden, Massachusetts
2012-05-18	<i>BugGuide</i>	Medford, Massachusetts	2017-07-15	<i>iNaturalist</i>	Cambridge, Massachusetts
2012-05-30	<i>BugGuide</i>	Watertown, Massachusetts	2018-02-04	<i>BugGuide</i>	Wantagh, New York
2012-06-06	<i>BugGuide</i>	Goshen, New York	2018-04-26	<i>BugGuide</i>	Eugene, Oregon
2013-04-23	<i>BugGuide</i>	Buckingham, Pennsylvania	2018-04-27	<i>iNaturalist</i>	Holliston, Massachusetts
2013-05-03	<i>BugGuide</i>	Queens, New York City, New York	2018-04-27	<i>iNaturalist</i>	Pittsburgh, Pennsylvania
2014-06-20	<i>BugGuide</i>	Suffolk County, New York	2018-04-29	<i>iNaturalist</i>	Brooklyn, New York City, New York
2015-05-16	<i>BugGuide</i>	Block Island, Rhode Island	2018-05-12	<i>BugGuide</i>	Boston, Massachusetts
2015-05-31	<i>BugGuide</i>	Highland Lakes, New Jersey	2018-06-01	<i>iNaturalist</i>	Weston, Connecticut
2016-04-20	<i>BugGuide</i>	Lawrenceville, New Jersey	2018-07-03	<i>BugGuide</i>	Lehigh County, Pennsylvania
2016-04-22	<i>iNaturalist</i>	Mercer County, New Jersey	2019-03-30	<i>iNaturalist</i>	Scranton, Pennsylvania
2016-05-21	<i>iNaturalist</i>	Wilton, Connecticut	2019-04-29	<i>iNaturalist</i>	Newburyport, Massachusetts
2016-05-25	<i>iNaturalist</i>	Clarkstown, New York	2019-05-06	<i>iNaturalist</i>	Bedford, New York
2016-06-26	<i>iNaturalist</i>	Putnam Valley, New York	2019-05-09	<i>iNaturalist</i>	Fort Lee, New Jersey
2016-09-16	<i>BugGuide</i>	Hulmeville, Pennsylvania	2019-05-20	<i>iNaturalist</i>	Saugus, Massachusetts
2017-04-17	<i>iNaturalist</i>	Manhattan, New York City, New York	2019-05-21	<i>iNaturalist</i>	Lawrence Township, New Jersey
2017-04-18	<i>iNaturalist</i>	New Brunswick, New Jersey	2019-05-22	<i>iNaturalist</i>	New Haven, Connecticut
2017-04-30	<i>BugGuide</i>	Holland, Pennsylvania	2019-05-26	<i>iNaturalist</i>	Pittsford, New York
2017-05-03	<i>iNaturalist</i>	Waltham, Massachusetts	2019-06-02	<i>iNaturalist</i>	Melrose, Massachusetts
2017-05-05	<i>iNaturalist</i>	Altoona, Pennsylvania	2019-06-02	<i>iNaturalist</i>	North Wales, Pennsylvania
2017-05-06	<i>iNaturalist</i>	Middlesex County, New Jersey	2019-06-03	<i>iNaturalist</i>	Farmingdale, New York
2017-05-19	<i>iNaturalist</i>	Staten Island, New York City, New York	2019-06-10	<i>iNaturalist</i>	Burlington, Vermont
2017-05-21	<i>iNaturalist</i>	Rochester, New York	2019-07-05	<i>iNaturalist</i>	Philadelphia, Pennsylvania