

## A first record for *Pellenes lapponicus* (Araneae: Salticidae) from the northeastern United States, with notes on synonymies and combinations for the species<sup>1</sup>

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*Pellenes lapponicus* (Sundevall, 1833) is a widespread northern Palaearctic species that has been reported in scattered Nearctic localities (Prószyński, 2010). It was described in North America from Laggan, Alberta, Canada, as *Habrocestum montanum* Emerton, 1894. Peckham & Peckham (1901) placed Emerton's species in *Pellenes* and cited it from the Rocky Mountains, Canada [presumably referring to Emerton, 1894]. They later (Peckham & Peckham, 1909) reported it from Denver, Colorado, for the only previous United States record. Larrivée *et al.* (2005) and Paquin & Dupérré (2006) recently reported it from Quebec, Canada, which apparently were the first records from eastern North America. All North American authors have continued to use the combination *Pellenes montanus*, although Paquin & Dupérré (2006) noted its association with *P. lapponicus*, even though they were uncertain about the synonymy. With the exception of the non-taxonomic paper by Larrivée *et al.* (2005), these records are summarized in Platnick (2010).

Danilov & Logunov (1994) noted that this is “A Holarctic boreo-montane species ranging from Middle Europe (Alps) in the west to Alberta, USA [sic], in the east (known there as *P. montanus*).” That is about as close as you can get to synonymizing *P. montanus* (Emerton) without actually writing “New Synonym.” These authors also considered the female epigyne to be similar to the genus *Evarcha*, and later the species was transferred to that genus (Logunov, Marusik & Rakov, 1999). Subsequently, this decision was reversed (Logunov & Marusik, 2000). The male genitalia are atypical for the genus, leading Cantarella & Alicata (2002) to question whether the species belongs to either *Evarcha* or *Pellenes*. They temporarily placed it in the genus *Attus*. However, *Attus* is a synonym of *Salticus*, and this is an untenable solution. For now, the species seems best placed in *Pellenes*, where it most recently has been placed by various authors including the catalogs of Platnick (2010) and Prószyński (2010). Based on a comparison of published figures, we are in agreement that *P. montanus* (Emerton, 1894) is a synonym of *P. lapponicus* (Sundevall, 1833). An updated synonymy in the style of Platnick (2010) is listed below.

**mf lapponicus** (Sundevall, 1833).....Holarctic [urn:lsid:amnh.org:spidersp:035287]

*Attus l.* Sundevall, 1833a: 212 (**Dm**).

*Attus riciniatus* Simon, 1868b: 37 (**Dm**).

*P. l.* Simon, 1876a: 92, pl. 9, f. 17 (**m**).

*Habrocestum montanum* Emerton, 1894: 420, pl. 1, f. 6 (**Dmf**).

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*P. l.* Simon, 1901a: 659, f. 789 (**m**).

*P. m.* Peckham & Peckham, 1901c: 204, 207.

*P. m.* Peckham & Peckham, 1909: 562, pl. 47, f. 9 (**mf**).

*P. l.* Lessert, 1910b: 587, f. 247-248 (**m**, **Df**).

*P. l.* Simon, 1937: 1231, 1268, f. 1988-1989 (**m**).

*P. l.* Tullgren, 1944: 60, pl. 6, f. 109-110 (**mf**).

- P. l.* Thaler, 1981c: 125, f. 63-64, 73 (mf).
- P. l.* Heimer & Nentwig, 1991: 512, f. 1369 (mf).
- P. l.* Danilov & Logunov, 1994: 33, f. 3A-D (mf, S).
- Evarcha lapponica* Logunov, Marusik & Rakov, 1999: 90 (Tmf from *Pellenes*).
- P. l.* Logunov & Marusik, 2000: 268, f. 22-23 (Tmf from *Evarcha*).
- Attus l.* Cantarella & Alicata, 2002: 572, f. 1-3 (m, belongs to neither *Evarcha* nor *Pellenes*).
- P. m.* Paquin & Dupérré, 2006: 21, f. 41-46 (mf)
- P. l.* Almquist, 2006: 548, f. 458a-c (m).

The new record was brought by DTJ to GBE for determination in regard to a checklist of the spiders of Maine in preparation by DTJ. The collection data are as follows: USA: Maine: Penobscot Co. T3 R8. Pitfall trap, plot P #6. Partial cut beech-maple stand. 16 June 1999. 1 male (A. S. Weed, FSCA). This is a new state record and the first record for the northeastern United States.

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