

Last updated: 26 July, 2020

ACANTHOSTETHUS

Acanthostethus F. Smith, 1869b:306. Type species: *Acanthostethus basalis* 1869 [= *Nysson mysticus* Gerstaecker, 1867], by monotypy.

? *Spalangia* Shuckard, 1840:181. Nomen nudum, synonymy according to Patton, 1909:442.

Key: R. Turner, 1915a:79.

1. *brisbanensis* (R. Turner)

Nysson brisbanensis R. Turner, 1915a:81, ♀. Holotype or syntypes: ♀, Australia: Queensland: Brisbane (Queensland Mus.). – R. Turner, 1915a:80 (in key to *Acanthostethus*), 1917a:106 (description of ♂); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus brisbanensis***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:277 (in catalog of Australian Sphecidae).

2. *confertus* (R. Turner)

Nysson confertus R. Turner, 1915a:82, ♂. Holotype or syntypes: ♂, Australia: Queensland: Cairns (BMNH). – R. Turner, 1915a:80 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus confertus***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:277 (in catalog of Australian Sphecidae).

3. *gilberti* (R. Turner)

Nysson gilberti R. Turner, 1915a:84, ♀, ♂. Holotype: ♀, Australia: Queensland: Cairns (BMNH). – R. Turner, 1915a:80 and 81 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus gilberti***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:277 (in catalog of Australian Sphecidae).

4. *hentyi* (Rayment)

Nysson hentyi Rayment, 1953:124, ♀, ♂. Holotype: ♂, Australia: Victoria: Portland (originally T. Rayment coll., now?). – **As *Acanthostethus hentyi***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:277 (in catalog of Australian Sphecidae); Nemkov, 2012b:126 (review of known host species).

5. *minimus* (R. Turner)

Nysson minimus R. Turner, 1915a:83, ♂. Syntypes: Australia: Queensland: Kuranda (BMNH). – R. Turner, 1915a:80 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus minimus***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:277 (in catalog of Australian Sphecidae).

6. *moerens* (R. Turner)

Nysson moerens R. Turner, 1915a:83, ♂. Holotype or syntypes: Western Australia: Yallingup (BMNH). – R. Turner, 1915a:80 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus moerens***: R. Bohart and Menke, 1976:474 new combination, in checklist of world Sphecidae); Cardale, 1985:277 (in catalog of Australian Sphecidae).

7. *mysticus* (Gerstaecker)

Nysson mysticus Gerstaecker, 1867b:112, ♂. Holotype or syntypes: ♂, Western Australia: Swan River (ZMHU). – Handlirsch, 1887:328 (in revision of *Nysson sensu lato*), 1895:811 (type examined); Froggatt, 1892:220 (in catalog of Australian Hymenoptera); Dalla Torre, 1897:572 (in catalog of world Hymenoptera); R. Turner, 1915a:80 and

81 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus mysticus***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae).

Nysson basalis F. Smith, 1869b:307, ♀, junior primary homonym of *Nysson basalis* F. Smith, 1856 (now in *Brachystegus*). Holotype or syntypes: ♀, Australia: no specific locality (BMNH). Synonymized with *Nysson mysticus* by Handlirsch, 1887:328. – **As *Acanthostethus basalis***: Froggatt, 1892:220 (in catalog of Australian Hymenoptera).

8. *nudiventris* (R. Turner)

Nysson nudiventris R. Turner, 1915a:81, ♀, ♂. Syntypes: Western Australia: Yallingup (BMNH). – R. Turner, 1915a:79 and 80 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus nudiventris***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae).

9. *obliteratus* (R. Turner)

Nysson obliteratus R. Turner, 1910a:350, ♂. Holotype or syntypes: ♂, Australia: Western Australia: South Perth (BMNH). – R. Turner, 1915a:80 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus obliteratus***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae).

10. *portlandensis* (Rayment)

Nysson portlandensis Rayment, 1953:124, ♀, ♂. Holotype: ♀, Australia: Victoria: Portland (originally T. Rayment coll., now?). – **As *Acanthostethus portlandensis***: Matthews and Evans, 1971:425 (new combination, probable parasite of *Sericophorus viridis* de Saussure); R. Bohart and Menke, 1976:474 (in checklist of world Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae); Evans and O'Neil, 2007:71 (host: *Sericophorus viridis* after Matthews and Evans, 1971); Nemkov, 2012b:126 (review of known host species).

11. *punctatissimus* (R. Turner)

Nysson punctatissimus R. Turner, 1908:505, ♀. Holotype or syntypes: ♀, Australia: Queensland: Mackay (BMNH). – R. Turner, 1915a:80 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus punctatissimus***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae).

12. *saussurei* (Handlirsch)

Nysson saussurei Handlirsch, 1887:332, ♂ (as *Saussurei*, incorrect original capitalization). Syntypes: ♂, South Australia: no specific locality (NHMW). – Dalla Torre, 1897:574 (in catalog of world Hymenoptera); R. Turner, 1915a:80 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus saussurei***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Dollfuss, 1989:7 (type material in NHMW); Cardale, 1985:278 (in catalog of Australian Sphecidae).

13. *spiniger* (R. Turner)

Nysson spiniger R. Turner, 1908:507, ♀, ♂. Syntypes: Australia: Queensland: Mackay (BMNH). – R. Turner, 1915a:80 and 81 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus spiniger***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae).

14. tasmanicus (R. Turner)

Nysson tasmanicus R. Turner, 1915a:85, ♀. Syntypes: ♀, Australia: Tasmania: Mount Wellington and Eaglehawk Neck (BMNH). – R. Turner, 1915a:80 and 81 (in key to *Acanthostethus*); Maidl and Klima, 1939:139 (in catalog of world Astatinae and Bembicinae, in subgenus *Acanthostethus*). – **As *Acanthostethus tasmanicus***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:278 (in catalog of Australian Sphecidae); K. Walker, Naumann, Austin, Taylor, and Cardale, 1992:48 (in catalog of insects of Tasmania).

15. triangularis (R. Turner)

Nysson triangularis R. Turner, 1940:104, ♀. Holotype or syntypes: ♀, Western Australia: Mingenew (BMNH). – **As *Acanthostethus triangularis***: R. Bohart and Menke, 1976:474 (new combination, in checklist of world Sphecidae); Cardale, 1985:279 (in catalog of Australian Sphecidae).

sp.

Froggatt, 1917:669 (New South Wales, as *Nysson*); Naumann, 1993:183 (Australia: Queensland: Heathlands area in Cape York), 1998:184 (Australia: northwest Queensland: Musselbrook area, approximately 18°40'S 138°23'E).