

Review of Australian Cylapinae (Hemiptera: Heteroptera: Miridae)

with key to genera and descriptions of new species

Anna A. Namyatova^{a,b,*} and Gerasimos Cassis^c

^aZoological Institute, Russian Academy of Sciences, Universitetskaya nab. 1, St Petersburg,
199034, Russia

^bAll-Russian Institute of Plant Protection, Podbelskogo sh. 3, Pushkin, St. Petersburg, 196608,
Russia

^cUniversity of New South Wales, Evolution & Ecology Research Centre, School of Biological,
Earth and Environmental Sciences, Randwick, Sydney, 2052, Australia

*Corresponding author; e-mail: anna.namyatova@gmail.com

ORCID iDs: Namyatova: 0000-0001-9678-3430; Cassis: 0000-0003-0519-664X

ZooBank iDs: Namyatova: <http://zoobank.org/34DFA0F8-B3B9-4ECC-8FE2-1A7CB0990854>;

Cassis: <http://zoobank.org/498B4DAD-B2BF-445E-8654-1A9969AE62E2>

ZooBank: <http://zoobank.org/498B4DAD-B2BF-445E-8654-1A9969AE62E2>

ORCID: <https://orcid.org/0000-0003-0519-664X>

Supplementary material

Material examined of Australian Cylapinae

Bothriomiriella ater Namyatova, Contos & Cassis, 2019. See material examined in Namyatova et al. (2019)

Carvalhoma Slater & Gross, 1977 See material examined for all species in Namyatova & Cassis (2016)

Dariella rubrocuneata Namyatova & Cassis, 2021. See material examined in Namyatova and Cassis (2021).

Labriella fusca Namyatova & Cassis, 2021. See material examined in Namyatova and Cassis (2021).

Schizopteromiris Schuh, 1986. See material examined for Australian species in the main text of the paper.

Callitropisca florentine Namyatova & Cassis, 2021. See material examined in Namyatova and Cassis (2021).

Ceratofulvius aidani (Namyatova & Cassis, 2019). See material examined in Namyatova and Cassis (2019).

Ceratofulvius clavicornis (Reuter, 1895). See labels for HT on Fig. 14I.

Ceratofulvius tuberculatus (Gorczyca, 2001). See material examined in Namyatova and Cassis (2019).

Ceratofulvius sp.

Material examined. **QLD:** Culgoa Floodplain NP, 10km NE Toulby Gate (CG3)., 28.939°S 147.004°E, 140 m, 16 Sep 2008 - 10 Oct 2008, M. Simpson & K.A. Coward, 1;f (UNSW_ENT 00404469) (QM). **SA:** 51 km NW of Morgan, 33.58333°S 140°E, 150 m, 01 Nov 1995, Schuh, Cassis, and Gross, 1;f (UNSW_ENT 00043090) (AM). **VIC:** Warburton, 37.756°S 145.701°E, F.

E. Wilson, 2;u (UNSW_ENT 00043098) (QM). **WA:** Lochada, 6km SE Boiada Camp, 29.246°S 116.543°E, 299 m, 16 Sep 2009, G Monteith, 1;u (UNSW_ENT 00027609) (QM).

Fulviella australiana Carvalho, 1991. See data for HT in Carvalho (1991).

Fulvioaustrus monteithi Carvalho, 1991. See labels for HT on Fig. 15E

Fulvioaustrus sp.

Material examined. **QLD:** 3km NE Mt. Webb, 15.05°S 145.15°E, 03 May 1981, A. Calder & J. Feehan, 1;m (UNSW_ENT 00043115) (ANIC). Kangaroo Gully, 1km NW Brookton Hwy, 32.11667°S 116.15°E, 260 m, 05 Jan 2000, C. J. Burwell, 1;f (UNSW_ENT 00043116) (QM).

Fulvius sp.

Material examined. **NSW:** Belanglo State Forest, 34.51699°S 150.2222°E, 29 Apr 2008, D.S. Kent, 1;f (UNSW_ENT 00043038) (AM). Bogan River, 33.0068°S 148.03461°E, J. Armstrong, 1;m (UNSW_ENT 00042999) (AM). Dorrigo Nat park, W end of Blackbutt Track, 30.35478°S 152.81076°E, 790 m, 05 Mar 1980, A. F. Newton, M. K. Thayer, 3;m (UNSW_ENT 00043029-UNSW_ENT 00043031), 3;f (UNSW_ENT 00043032-UNSW_ENT 00043034) (QM). Gordon, 33.749°S 151.151°E, 14 Feb 1936, D. F. Waterhouse, 1;m (UNSW_ENT 00043040) (AM). Pullabooka SF, 33.65916°S 147.82944°E, 04 Nov 1998, Aust. Mus. Terr. Ecol. Dept., *Callitris* sp. (Cupressaceae), 2;f (UNSW_ENT 00042994, UNSW_ENT 00042995) (AM). Pullabooka SF, 33.76111°S 147.815°E, 06 Nov 1998, Aust. Mus. Terr. Ecol. Dept., *Callitris* sp. (Cupressaceae), 2;f (UNSW_ENT 00042996, UNSW_ENT 00042997) (AM). Pullabooka SF, 33.79166°S 147.735°E, 06 Nov 1998, Aust. Mus. Terr. Ecol. Dept., *Callitris* sp. (Cupressaceae), 1;f (UNSW_ENT 00042998) (AM). Royal National Park, 40km S of Sydney, 34.20336°S 150.93754°E, 23 Apr 1960, C. W. O'Brien, 1;m (UNSW_ENT 00042989), 4;f (UNSW_ENT 00042990-UNSW_ENT 00042993) (BPBM). Whian Whian SF Nixon's Fire Rd NNE Lismore, 28.37°S 153.27°E, 19 Nov 1983, M.S. Harvey & D.C.F. Rentz, 1;f (UNSW_ENT 00042982) (AM). **NT:** Armstrong R. crossing 6km S of Top Spring, 16.59745°S 131.79834°E, 12 Nov 1984, M. Malipatil, 1;m (UNSW_ENT 00042962) (NTM). East Point, Darwin, 12.40749°S 130.8161°E,

07 Jan 1961, G.F. Gross, 1;m (UNSW_ENT 00043018) (SAMA). Fogg Dam area, 12.34°S 131.18°E, 23 Nov 1980, M. B. Malipatil, 2;m (UNSW_ENT 00042957, UNSW_ENT 00042958), 2;f (UNSW_ENT 00042959, UNSW_ENT 00043037) (NTM). Kakadu NP, Karl Plain nr Obiri Rock (Ubirr Rock), 12.42475°S 132.96387°E, 17 Nov 1979, M. B. Malipatil, 1;f (UNSW_ENT 00042960) (NTM). Limestone Gorge, 16.02°S 130.23°E, 23 Jun 1986 - 26 Jun 1986, M. B. Malipatil, 1;f (UNSW_ENT 00042961) (NTM). **QLD:** 2.0km WNW Cape Tribulation. Site 2, 16.08333°S 145.4333°E, 50 m, 07 Oct 1982, Monteith, Yeates & Thompson, 1;m (UNSW_ENT 00042967) (QM). 3 km S Moranbah, bendee, 22.03104°S 148.04413°E, 26 Mar 2000, G. B. Monteith, 1;f (UNSW_ENT 00043024) (QM). 4 km SSE nr Woonbah Station, 24.142°S 143.196°E, 188 m, 19 Jan 2009 - 07 Feb 2009, A. Emmott, 1;m (UNSW_ENT 00027611) (QM). 15 km S. of Yarraden, Coen District, N. QLD., 14.418°S 143.373°E, 27 Jun 1975 - 28 Jun 1975, G. B. Monteith, 1;f (UNSW_ENT 00043006), 1;m (UNSW_ENT 00043013) (QM). Basset site. Mt Glorious, 27.31666°S 152.75°E, 700 m, Oct 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;m (UNSW_ENT 00043016) (QM). Bellenden Ker Ra, Cableway Base Stn, 17.26667°S 145.9°E, 100 m, 17 Oct 1981 - 09 Nov 1981, Earthwatch/QLD. Museum, 1;m (UNSW_ENT 00042934), 3;m (UNSW_ENT 00042931-UNSW_ENT 00042933), 3;f (UNSW_ENT 00042935-UNSW_ENT 00042937), 2;f (UNSW_ENT 00042938, UNSW_ENT 00042939) (QM). Bellenden Ker Range, 1 km S of Cable Tower 6, 17.16°S 145.53°E, 500 m, 03 Nov 1981, Earthwatch/QLD. Museum, 1;f (UNSW_ENT 00043041) (QM). Belmont Hills Bushlands, site 1, 27.51305°S 153.11805°E, 80 m, 19 Feb 2004, QM party, 1;f (UNSW_ENT 00404447) (QM). Buhot Creek, Burbank, 27.58783°S 153.1698°E, 50 m, 17 Apr 2003, C. J. Burwell, 1;f (UNSW_ENT 00400906) (QM); 06 Nov 2003, G Monteith, 1;m (UNSW_ENT 00404446) (QM). Bulimba Creek, Carindale, 27.5015°S 153.1057°E, 15 m, 03 Nov 2003, G. B. Monteith, 1;f (UNSW_ENT 00400910) (QM). Cape York Pen., Bertie Creek, 11.83333°S 142.5°E, 13 Mar 1992, G. Cassis, 1;m (UNSW_ENT 00043381) (AM). Captain Billy Creek, Cape York Pen., N. QLD, 11.66666°S 142.83333°E, 09 Jul 1975 - 13 Jul 1975, G. B. Monteith, 1;f

(UNSW_ENT 00043008) (QM). Charmillin Ck, 17.7°S 145.5167°E, 940 m, 01 Dec 1997, G. B. Monteith, 2;m (UNSW_ENT 00042976, UNSW_ENT 00043003), 2;f (UNSW_ENT 00043009, UNSW_ENT 00043010) (QM). Danbulla Scientific Reserve, 17.2°S 145.6667°E, 740 m, 02 Nov 1995, G. B. Monteith, 3;f (UNSW_ENT 00043026-UNSW_ENT 00043028), 1;m (UNSW_ENT 00043064) (QM). Devils Thumb, 12km NW Mossman, 16.38333°S 145.2833°E, 1000 m, 27 Dec 1989, Anzsas Exped, 1;f (UNSW_ENT 00043020) (QM). Dividing Range, 15 km W. of Captain Billy Creek, Cape York Pen, N. QLD, 11.66666°S 142.75°E, 04 Jul 1975 - 09 Jul 1975, G. B. Monteith, 1;m (UNSW_ENT 00043014) (QM). Heathlands, 11.45°S 142.35°E, 15 Jan 1992 - 26 Jan 1992, I. Naumann & T. Weir, 1;f (UNSW_ENT 00043000) (QM). Lambs Head, 10 km W Edmonton, 17.03333°S 145.63333°E, 120 m, 04 Dec 1998, G. Monteith & G. Thompson, 2;f (UNSW_ENT 00042980, UNSW_ENT 00042981) (QM). Lambs Head, East end, 17.03333°S 145.6667°E, 1180 m, 29 Nov 1993, Monteith & Janetzki, 1;f (UNSW_ENT 00043002) (QM). Massey Ra., 6km NW of Bellenden Ker., 17.23333°S 145.8°E, 1150 m, 11 Oct 1991, G. Monteith & H. Janetzki, 1;f (UNSW_ENT 00043025) (QM). McDowall Ra, 17km N Daintree, 16.1°S 145.3333°E, 520 m, 27 Nov 1985, G. Monteith and D. Cook, 1;f (UNSW_ENT 00043023) (QM). Mossman Bluff Track, 5-10km W Mossman, site 9, 16.46667°S 145.3667°E, 1260 m, 17 Dec 1988 - 31 Dec 1988, Monteith, Thompson & ANZSES, 1;f (UNSW_ENT 00043021) (QM). Mossman Bluff Track, 9km W Mossman, 16.44365°S 145.29083°E, 1000 m, 17 Dec 1988, G. Monteith & G. Thompson, 1;m (UNSW_ENT 00043017) (QM). Mossman Gorge, Daintree Nat Park, 16.475°S 145.08417°E, 29 Apr 1998, G. Cassis, 1;f (UNSW_ENT 00042988) (AM). Mt Spurgeon summit, 16.43333°S 145.2°E, 1320 m, 21 Nov 1997, G. B. Monteith, 1;m (UNSW_ENT 00043065) (QM). Pine Mtn summit, 21.74017°S 148.8368°E, 600 m, 05 Oct 1999 - 06 Oct 1999, G. B. Monteith, 2;f (UNSW_ENT 00043022, UNSW_ENT 00043036), 1;m (UNSW_ENT 00043035) (QM). Planted Creek, via Tansey, 25.957°S 152.085°E, 12 Dec 1976, G. B. & S. R. Monteith, 1;m (UNSW_ENT 00043011) (QM). Ransome Reserve, 27.49333°S 153.185°E, 10 m, 01 Dec 2003 - 02 Jan 2004, QM party, 2;f (UNSW_ENT 00400910, UNSW_ENT 00400911)

(QM). Ravensbourne NP, 27.36666°S 152.1833°E, 02 Feb 1961, J.L. and M. Gressitt, 1;m (UNSW_ENT 00043394) (BPBM). Stony Creek, track Xing, 21.61667°S 148.98333°E, 280 m, 04 Oct 1999 - 17 Dec 1999, D & I Cook, 1;m (UNSW_ENT 00400905) (QM). Telegraph Xing, Dulhunty River, Cape York Pen, N.Qld, 11.84°S 142.504°E, 02 Jul 1975 - 04 Jul 1975, G. B. Monteith, 1;m (UNSW_ENT 00043005), 1;f (UNSW_ENT 00043001), 1;u (UNSW_ENT 00043015) (QM). Upper Cattle Ck, Eungella, 21.03333°S 148°E, 900 m, 17 Nov 1992, Monteith, Thompson & Janetzki, 1;m (UNSW_ENT 00042968) (QM). Vine Ck Rd, 17.68333°S 145.5333°E, 1100 m, 24 Nov 1994, G. B. Monteith, 2;m (UNSW_ENT 00042977, UNSW_ENT 00042978) (QM). Wenlock River, Cape York, 12.17149°S 141.92967°E, 25 Jun 1976, J. F. Donaldson, 1;f (UNSW_ENT 00043007) (DPIPWE). West Claudie R, Iron Ra, 12.75°S 143.2333°E, 50 m, 03 Dec 1985 - 10 Dec 1985, Monteith & Cook, 6;f (UNSW_ENT 00042983-UNSW_ENT 00042985, UNSW_ENT 00400907-UNSW_ENT 00400909), 1;m (UNSW_ENT 00400904), 2;m (UNSW_ENT 00043042, UNSW_ENT 00043043), 2;f (UNSW_ENT 00043044, UNSW_ENT 00043045) (QM). **SA:** 2 mls NW of Crafers, 34.97638°S 138.67944°E, 430 m, 15 Jan 1952, H. M. Cane, 1;m (UNSW_ENT 00043047) (AM). Scorpion Springs Cons. Park, 35.62872°S 140.8598°E, 100 m, 09 Nov 1998, Schuh, Cassis, Silveira, 1;f (UNSW_ENT 00043012) (AM). near Victory Well, Everard Pk. Stn, 27.054°S 132.506°E, 03 Nov 1970, G. Gross, 1;m (UNSW_ENT 00042979) (SAMA). **Territory of Christmas Island:** Central Area Wkshp, 10.29°S 105.38°E, 17 Apr 1989, J. A. Cardale, 1;f (UNSW_ENT 00042943) (ANIC). Christmas Island, 3km N South Point, 10.33°S 105.39°E, 22 Apr 1989, J. F. Lawrence, 2;m (UNSW_ENT 00042944, UNSW_ENT 00042946), 2;f (UNSW_ENT 00042945, UNSW_ENT 00042952), 5;u (UNSW_ENT 00042947-UNSW_ENT 00042951) (ANIC). Christmas Island, nr Lookout, 1km N of Margaret Knoll, Site 14, 10.29°S 105.41°E, 16 Apr 1989, J. Balderson, 2;f (UNSW_ENT 00042940, UNSW_ENT 00042941) (ANIC). Christmas Island, vic. of Grants Well, 10.285°S 105.395°E, 13 Apr 1989 - 28 Apr 1989, J. F. Lawrence, 2;m (UNSW_ENT 00042956, UNSW_ENT 00042963) (ANIC). Christmas Island nr Grants Well, 10.29°S 105.39°E, 27 Apr

1989, J. A. Cardale, 1;m (UNSW_ENT 00042987) (ANIC). East-West Park Track, 10.3°S 105.35°E, 13 Apr 1989 - 28 Apr 1989, J. C. Cardale, 1;f (UNSW_ENT 00042953) (ANIC). **WA:** 13 mi WSW of Collie, 33.429°S 115.941°E, 06 Apr 1968, I. F. B. Common & M. S. Upton, 1;m (UNSW_ENT 00042975) (AM). Dip Yards, Broome, 17.97°S 122.23°E, 16 Apr 1999 - 19 Apr 1999, A. Postle, Light Trap, 1;m (UNSW_ENT 00043019) (AM). Kimberley Research Station, via Kununura, 15.70777°S 128.69947°E, 25 Nov 1997 - 28 Nov 1997, A. Postle and C. Brockway, 1;m (UNSW_ENT 00043398) (AM). Pilbara Dist., Hillside-Marble Bar Rd ca. 60 km SW of Marble Bar, 21.50821°S 119.4484°E, 252 m, 29 May 1999, G.Cassis, R.Silveira, 1;f (UNSW_ENT 00043004) (AM). Weaber Plains Rd via Kununurra, 15.73702°S 128.74063°E, 27 Oct 1999, A. Postle, 1;m (UNSW_ENT 00043396) (AM). Wyndham, 15.486°S 128.12°E, 10 Sep 1999 - 13 Sep 1999, N. Wilson, Light Trap, 1;m (UNSW_ENT 00043397) (AM). **CHRISTMAS ISLAND:** Christmas Island, nr. North West Point, 10.27°S 105.33°E, 13 Apr 1989 - 18 Apr 1989, J. F. Lawrence, 1;f (UNSW_ENT 00042954) (ANIC). Grants Well. Christmas Is, 10.29°S 105.41°E, 24 Apr 1989, J. C. Cardale, 1;f (UNSW_ENT 00042942) (ANIC). nr Central Area Wkshp, 10.29°S 105.375°E, 13 Apr 1989 - 28 Apr 1989, J. F. Lawrence, 1;u (UNSW_ENT 00042955) (ANIC).

Howeulvius elytratus Schmitz & Stys, 1973. See material examined for Australian species in the main text of the paper.

Laetifulvius morganensis Namyatova & Cassis, 2021. See material examined in Namyatova and Cassis (2021).

Lygaeoscytus Reuter, 1893. See material examined for all species in the main text of the paper.

Mycetocylapus alexeyi Namyatova & Cassis, 2019. See material examined in Namyatova and Cassis (2019).

Micanitropis listeri (Izzard, 1936). See labels for HT on Fig. 14A.

Micanitropis seisia Namyatova & Cassis, 2021. See material examined in Namyatova and Cassis (2021).

Peritropis adusta Mouds & Cassis, 2006. Not examined. See Moulds & Cassis (2006).

Peritropis albaspecca Mouds & Cassis, 2006. Not examined. See Moulds & Cassis (2006).

Peritropis aoteoroae Gorczyca & Eyles, 1997. Not examined. See Moulds & Cassis (2006).

Peritopris basseti Mouds & Cassis, 2006.

Material examined. **QLD:** Basset site. Mt Glorious, 27.31666°S 152.75°E, 700 m, Jan 1988, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 2;m (AMNH_PBI 00037530, AMNH_PBI 00037531) (QM); Feb 1986 - Mar 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;f (AMNH_PBI 00037544) (QM); Feb 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;f (AMNH_PBI 00037527), 1;m (AMNH_PBI 00037526) (QM); Mar 1986 - Apr 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 2;m (AMNH_PBI 00037542) (QM); Mar 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;m (AMNH_PBI 00037528) (QM); Apr 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;m (AMNH_PBI 00037536) (QM); Nov 1986 - Dec 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;u (AMNH_PBI 00037545) (QM); Dec 1986, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 2;f (AMNH_PBI 00037538, AMNH_PBI 00037539) (QM); Jan 1987, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;u (AMNH_PBI 00037532) (QM); Jan 1987 - Feb 1987, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;f (AMNH_PBI 00037541) (QM); Mar 1987, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;m (AMNH_PBI 00037529), 1;f (AMNH_PBI 00037529) (QM); Apr 1987, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 3;m (AMNH_PBI 00037533-AMNH_PBI 00037535) (QM); Nov 1987, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;f (AMNH_PBI 00037543) (QM); Dec 1987, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;m (AMNH_PBI 00037537) (QM);

Jan 1988 - Feb 1988, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;m (AMNH_PBI 00037540) (QM); Feb 1988, Y. Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;m (AMNH_PBI 00037525) (QM).

Also see Moulds & Cassis (2006).

Peritopris kotejai Gorczyca, 1997. Not examined. See Moulds & Cassis (2006).

Peritropis novocaledonicus Gorczyca, 1997. Not examined. See Moulds & Cassis (2006).

Peritopris phalaroptera Moulds & Cassis, 2006. Not examined. See Moulds & Cassis (2006).

Peritopris postlei Moulds & Cassis, 2006. Not examined. See Moulds & Cassis (2006).

Peritopris punctatus Carvalho & Lorenzato, 1978.

Material examined. ACT: Canberra, Black Mt, 35.27447°S 149.09699°E, 600 m, 07 Mar 1980 - 12 Mar 1980, A. Newton & M. Thayer, 1;m (AMNH_PBI 00037461) (QM). **QLD:** 3 km S of Mt Deongwar, 27.23333°S 152.25°E, 450 m, 27 Dec 1998, G. B. Monteith, 1;f (AMNH_PBI 00037512) (QM). 3k W of Bones Knob, 17.21667°S 145.4167°E, 1100 m, 10 Dec 1995, Monteith, Cook, Thompson, 1;f (AMNH_PBI 00037521) (QM). Baldy Mtn Rd, 7km SW Atherton, 17.31817°S 145.44627°E, 1150 m, 09 Dec 1988, Monteith & Thompson, 2;m (AMNH_PBI 00037480, AMNH_PBI 00037481), 1;f (AMNH_PBI 00037482) (QM). Birthday Ck, Paluma Dam Road, 18.98101°S 146.16623°E, 800 m, 17 Nov 1990, Monteith & Seymour, 1;f (AMNH_PBI 00037469) (QM). Boonjee, 13km ESE Malanda, 17.41666°S 145.75°E, 700 m, 08 Dec 1988, Monteith & Thompson, 1;f (AMNH_PBI 00037524) (QM). Carbine Tableland, N. Qld. Plane Crash Site, 16.4°S 145.27°E, 1330 m, 28 Nov 1990, Monteith & Janetzki, 1;m (AMNH_PBI 00037453), 1;f (AMNH_PBI 00201980) (QM). Cardwell Ra, Mt Macalister, 18.3°S 145.9333°E, 900 m, 19 Dec 1986, Monteith, Thompson, Hamlet, 1;f (AMNH_PBI 00037506) (QM). Cardwell Ra, Mt Macalister, 18.31667°S 145.8333°E, 1000 m, 19 Dec 1986, Monteith, Thompson, Hamlet, 1;f (AMNH_PBI 00037507), 1;m (AMNH_PBI 00037500) (QM). Charmillin Ck, 17.7°S

145.5167°E, 940 m, 01 Dec 1997, G. B. Monteith, 4;m (AMNH_PBI 00037455-AMNH_PBI 00037458), 1;f (AMNH_PBI 00037459) (QM). Davies Ck Rd, 20km SE Mareeba, 17.05°S 145.6°E, 750 m, 17 Dec 1989, G. Monteith & G. Thompson, 2;m (AMNH_PBI 00201950, AMNH_PBI 00201951) (QM). Gadgarra Rd, 5km E Lake Eacham, 17.26667°S 145.6667°E, 700 m, 09 Dec 1989, Monteith, Thompson & Janetzki, 1;f (AMNH_PBI 00037522) (QM). Graham Range, 17.28333°S 145.7°E, 550 m, 01 Nov 1995, G. Monteith, 1;m (AMNH_PBI 00201961), 1;f (AMNH_PBI 00201962) (QM). Gurgeena Plateau, 25.45°S 151.3667°E, 360 m, 22 Aug 1998, G. Monteith, 2;f (AMNH_PBI 00037486, AMNH_PBI 00037486) (QM). Hann Tblld (Nth End), 16.81666°S 145.18333°E, 1000 m, 13 Dec 1995, Monteith, Cook, Thompson, 1;m (AMNH_PBI 00037460) *Pyrethrum* sp. (Asteraceae), 1;m (AMNH_PBI 00201875) (QM). Hughes Rd, Topaz, 17.43333°S 145.7°E, 650 m, 04 Dec 1993, G. Monteith & H. Janetzki, 1;m (AMNH_PBI 00201944), 4;f (AMNH_PBI 00201945-AMNH_PBI 00201948) (QM). Kangaroo Gully, 1km NW Brookton Hwy, 32.11667°S 116.15°E, 260 m, 05 Jan 2000, C. J. Burwell, 4;m (AMNH_PBI 00037470-AMNH_PBI 00037473), 6;f (AMNH_PBI 00037474-AMNH_PBI 00037479) (QM). Kirrama Ra, Douglas Ck Rd, 18.2°S 145.75°E, 850 m, 10 Dec 1986 - 12 Dec 1986, Monteith, Thompson, Hamlet, 1;f (AMNH_PBI 00201935) (QM). Lamb Ra, 19km SE Mareeba, 17.1°S 145.5667°E, 1200 m, 03 Dec 1988, Monteith & Thompson, 4;m (AMNH_PBI 00201952-AMNH_PBI 00201955), 2;f (AMNH_PBI 00201956, AMNH_PBI 00201957) (QM). McDowall Ra, 17km N Daintree, 16.1°S 145.3333°E, 520 m, 27 Nov 1985, G. Monteith and D. Cook, *Pyrethrum* sp. (Asteraceae), 1;f (AMNH_PBI 00202019), 2;m (AMNH_PBI 00037519, AMNH_PBI 00037520) (QM). Mossman Bluff Track, 9km W Mossman, 16.44365°S 145.29083°E, 1000 m, 22 Dec 1989, Monteith & ANZSES, 2;f (AMNH_PBI 00201975, AMNH_PBI 00201976) (QM). Mount Fort William, via Kalpowar, 24.65°S 151.3333°E, 18 Jan 1990, G. B. Monteith, 5;m (AMNH_PBI 00201972-AMNH_PBI 00201974, AMNH_PBI 00201876, AMNH_PBI 00037511) (QM). Mt Abbot, top camp, 20.1°S 147.75°E, 800 m, 08 Dec 1996, G. Monteith, 1;f (AMNH_PBI 00037514) (QM). Mt Bartle Frere, West side, 17.37°S

145.79°E, 1050 m, 08 Dec 1990, Monteith, Thompson & Sheridan, 1;m (AMNH_PBI 00037495), 1;f (AMNH_PBI 00037496) (QM). Mt Boolbun South, 15.95°S 145.13333°E, 850 m, 05 Nov 1995, G. B. Monteith, 6;m (AMNH_PBI 00201989-AMNH_PBI 00201993, AMNH_PBI 00037510), 1;f (AMNH_PBI 00201994), 1;f (AMNH_PBI 00201867) (QM). Mt Dryander, 20.25°S 148.7167°E, 700 m, 21 Nov 1992, Monteith, Thompson & Janetzki, 2;m (AMNH_PBI 00201982, AMNH_PBI 00201983), 5;f (AMNH_PBI 00201984-AMNH_PBI 00201988) *Pyrethrum* sp. (Asteraceae), 1;m (AMNH_PBI 00201872) (QM). Mt Fisher, summit, 17.56666°S 145.56666°E, 1360 m, 08 Feb 1999, G. B. Monteith, 1;f (AMNH_PBI 00201949) (QM). Mt Formartine South, 10km N Kuranda, 16.72167°S 145.6167°E, 700 m, 23 Nov 1990, G. Monteith & G. Thompson, 2;m (AMNH_PBI 00201963, AMNH_PBI 00201964), 3;f (AMNH_PBI 00201965-AMNH_PBI 00201967) (QM). Mt Lewis Road, 29 km from Highway, 16.51167°S 145.27°E, 1210 m, 29 Nov 1997, G. B. Monteith, 1;f (AMNH_PBI 00037454) (QM). Mt Macartney, 20.83333°S 148.5667°E, 900 m, 19 Nov 1992, Monteith, Thompson & Janetzki, 1;m (AMNH_PBI 00201977), 2;f (AMNH_PBI 00201978, AMNH_PBI 00201979) (QM). Mt Spurgeon, Sandy Ck, 16.46667°S 145.2°E, 1100 m, 22 Nov 1997, G. B. Monteith, 2;f (AMNH_PBI 00037483, AMNH_PBI 00201874) (QM). North Bell Peak, Malbon Thompson Ra, 17.11667°S 145.8833°E, 1000 m, 20 Nov 1990, Monteith & Thompson, 1;m (AMNH_PBI 00201936), 6;f (AMNH_PBI 00201937-AMNH_PBI 00201942) (QM). O'Reilly's, Lamington Plateau, 28.226°S 153.124°E, 14 Jan 1995, Unknown, 1;f (AMNH_PBI 00037516) (QM). Packers Creek, via Portland Roads, 16.48333°S 145.46666°E, 06 Dec 1985, G. Monteith and D. Cook, 1;f (AMNH_PBI 00037515) (QM). Pease's Lkt. Eungella, 21.11667°S 148.5167°E, 900 m, 17 Nov 1992, Monteith, Thompson & Janetzki, 1;f (AMNH_PBI 00037513) (QM). Pearamon Scrub, 17.31667°S 145.6167°E, 750 m, 09 Dec 1995, G. B. Monteith, 1;f (AMNH_PBI 00037518) (QM). Rex Range, summit, 16.53533°S 145.374°E, 400 m, 18 May 1998, G. B. Monteith, 1;f (AMNH_PBI 00037523) (QM). Sluice Ck, 9km WSW Millaa Millaa, 17.51667°S 145.5167°E, 1150 m, 05 Dec 1988, G. Monteith & G. Thompson, 3;m (AMNH_PBI 00201877, AMNH_PBI

00201958, AMNH_PBI 00201959), 2;f (AMNH_PBI 00201871, AMNH_PBI 00201960) (QM). Tower nr The Crater NP, 17.45°S 145.4833°E, 1230 m, 25 Nov 1994, G. B. Monteith, 3;m (AMNH_PBI 00037497-AMNH_PBI 00037499) (QM). Tully R. Xing, 10km S Koombooloomba Dam, 17.9318°S 145.61902°E, 750 m, 08 Dec 1989, Monteith, Thompson & Janetzki, 1;f (AMNH_PBI 00201971) (QM); 04 Jan 1990, G. B. Monteith, 2;m (AMNH_PBI 00201968, AMNH_PBI 00201969), 1;f (AMNH_PBI 00201970) (QM). Upper Cattle Ck, Eungella, 21.03333°S 148°E, 900 m, 17 Nov 1992, Monteith, Thompson & Janetzki, 3;m (AMNH_PBI 00037445-AMNH_PBI 00037447), 6;f (AMNH_PBI 00037448-AMNH_PBI 00037452, AMNH_PBI 00037517) (QM). Upper Mulgrave Rd, Kearneys Falls, 17.23589°S 145.7758°E, 100 m, 10 Dec 1988, Monteith & Thompson, 2;f (AMNH_PBI 00037508, AMNH_PBI 00037509) (QM). Vine Ck Rd, 17.68333°S 145.5333°E, 1100 m, 24 Nov 1994, G. B. Monteith, 1;u (AMNH_PBI 00037487), 2;m (AMNH_PBI 00037493, AMNH_PBI 00037494) (QM). West Claudie R, Iron Ra, 12.75°S 143.2333°E, 50 m, 03 Dec 1985 - 10 Dec 1985, Monteith & Cook, 2;m (AMNH_PBI 00037462, AMNH_PBI 00037463), 5;f (AMNH_PBI 00037464-AMNH_PBI 00037468) (QM). Windsor Tbld, 5.7km past barracks, 16.23333°S 145°E, 1300 m, 24 Nov 1997, G. Monteith, 3;m (AMNH_PBI 00037484, AMNH_PBI 00037484, AMNH_PBI 00037485), 1;f (AMNH_PBI 00201981) (QM). Windsor Tbld, 35km NNW Mt Carbine, 16.25°S 145.1333°E, 1050 m, 25 Apr 1982 - 26 Apr 1982, Monteith, Yeates, & Cook, 5;m (AMNH_PBI 00201873, AMNH_PBI 00201930-AMNH_PBI 00201933), 2;f (AMNH_PBI 00201934, AMNH_PBI 00201943) (QM).

See also Moulds & Cassis (2006).

Peritopris roebucki Moulds & Cassis, 2006

Material examined. **WA:** Moola Bulla via Halls Creek, 18.19°S 127.5°E, 15 Mar 1999 - 18 Mar 1999, M. & J. Shaw, 1;f (UNSW_ENT 00042333) (WAMP). Roebuck Plains, via Broome,

17.96°S 122.435°E, 30 Dec 1997 - 02 Jan 1998, C. Johnstone, 1;m (UNSW_ENT 00042329), 1;u (UNSW_ENT 00042330) (WAMP); 30 Jan 1998 - 04 Feb 1998, C. Brockway, 1;m (UNSW_ENT 00042331) (WAMP); 10 Dec 1999 - 13 Dec 1999, S. Kniveton, 3;f (UNSW_ENT 00042325-UNSW_ENT 00042327), 1;u (UNSW_ENT 00042328) (WAMP). Wyndham, 15.486°S 128.12°E, 08 Dec 1999, T. Vinnicombe, 1;m (UNSW_ENT 00042332) (WAMP).

See also Moulds & Cassis (2006).

***Peritropisca* Carvalho & Lorenzato, 1978**

Material examined. **QLD:** Mt Lewis NP, ca. 7.7km NW from Julatten, 16.54174°S 145.2869°E, 19 May 2016, A. Namyatova, 1;f (UNSW_ENT 00029277) (UNSW). 1/2km NW of Mt Fisher, 17.55°S 145.55°E, 1280 m, 08 Feb 1999, G. B. Monteith, 3;m (UNSW_ENT 00042505-UNSW_ENT 00042507), 6;f (UNSW_ENT 00042513-UNSW_ENT 00042518) (QM). 2.5km N Mt. Lewis via Julatten, 16.56082°S 145.28342°E, 1040 m, 03 Nov 1983, D.K. Yeates & G.I. Thompson, 3;m (UNSW_ENT 00042687-UNSW_ENT 00042689), 2;f (UNSW_ENT 00042690, UNSW_ENT 00042691) (QM). 2.5km SW of Mt Hartley, 15.78333°S 145.3167°E, 610 m, 23 Apr 1982 - 24 Apr 1982, Monteith, Yeates, & Cook, 1;f (UNSW_ENT 00042458) (QM). Baldy Mtn Rd, 7km SW Atherton, 17.31817°S 145.44627°E, 1150 m, 09 Dec 1988, Monteith & Thompson, 3;f (UNSW_ENT 00042474, UNSW_ENT 00042475, UNSW_ENT 00042503), 1;m (UNSW_ENT 00042502), 1;m (UNSW_ENT 00042511), 1;f (UNSW_ENT 00042512) (QM). Bellenden Ker, Crash site, 17.26667°S 145.85°E, 1325 m, 01 Dec 1998, G. Monteith, 5;m (UNSW_ENT 00042409-UNSW_ENT 00042412, UNSW_ENT 00042584), 1;f (UNSW_ENT 00042413) (QM). Bellenden Ker Ra, 1km S Cable Tower 6, 17.26667°S 145.8833°E, 500 m, 17 Oct 1981 - 05 Nov 1981, Earthwatch/QLD. Museum, 6;m (UNSW_ENT 00042579-UNSW_ENT 00042581, UNSW_ENT 00042734-UNSW_ENT 00042736), 3;f (UNSW_ENT 00042582, UNSW_ENT 00042583, UNSW_ENT 00042737) (QM). Bellenden Ker Ra, Westgid Ck (N

Branch), 17.26667°S 145.9°E, 100 m, 01 Nov 1981, Earthwatch/QLD. Museum, 1;f (UNSW_ENT 00042585), 2;m (UNSW_ENT 00042738, UNSW_ENT 00042739) (QM). Black Mt, 17km ESE Julatten, 16.65°S 145.4833°E, 900 m, 29 Apr 1982 - 30 Apr 1982, Monteith, Yeates, & Cook, 4;m (UNSW_ENT 00042470, UNSW_ENT 00042488-UNSW_ENT 00042490), 4;f (UNSW_ENT 00042471-UNSW_ENT 00042473, UNSW_ENT 00042492), 1;f (UNSW_ENT 00042491) (QM). Boonjee, 13km ESE Malanda, 17.41666°S 145.75°E, 700 m, 08 Dec 1988, Monteith & Thompson, 2;m (UNSW_ENT 00042544, UNSW_ENT 00042545), 3;f (UNSW_ENT 00042546-UNSW_ENT 00042548) (QM). Boulder Creek, via Tully, 17.83333°S 145.9°E, 550 m, 24 Oct 1983 - 27 Oct 1983, Monteith, Yeates & Thompson, 1;f (UNSW_ENT 00042726) (QM). Carbine Tableland, N. Qld. Plane Crash Site, 16.4°S 145.27°E, 1330 m, 28 Nov 1990, Monteith & Janetzki, 2;m (UNSW_ENT 00042482, UNSW_ENT 00042483), 1;f (UNSW_ENT 00042484) (QM). Carbine Tableland, Upper Doolins Creek, 16.43333°S 145.26666°E, 1100 m, 30 Nov 1990, Monteith, Janetzki & Sheridan, 3;m (UNSW_ENT 00042485-UNSW_ENT 00042487) (QM). Cardwell Ra, Mt Macalister, 18.3°S 145.9333°E, 900 m, 19 Dec 1986, Monteith, Thompson, Hamlet, 4;m (UNSW_ENT 00042692-UNSW_ENT 00042695) (QM). Cardwell Ra, Upper Broadwater Ck Valley, 18.3°S 145.9333°E, 700 m, 17 Dec 1986 - 21 Dec 1986, Monteith, Thompson, Hamlet, 1;f (UNSW_ENT 00042696) (QM). Charmillin Ck, 17.7°S 145.5167°E, 940 m, 01 Dec 1997, G. B. Monteith, 1;m (UNSW_ENT 00042521), 3;f (UNSW_ENT 00042527-UNSW_ENT 00042529) (QM). Charmillin Ck Xing, 10km S Ravenshoe, 17.7°S 145.5167°E, 950 m, 08 Dec 1990, Monteith, Thompson & Janetzki, 3;f (UNSW_ENT 00042524-UNSW_ENT 00042526) (QM). Chujeba Peak summit, 7km SW Redlynch, 16.93333°S 145.65°E, 1000 m, 15 Dec 1989, Monteith & Thompson, 7;m (UNSW_ENT 00042679-UNSW_ENT 00042684, UNSW_ENT 00042742), 2;f (UNSW_ENT 00042685, UNSW_ENT 00042686) (QM). Curtain Fig Tower, Yungaburra, 17.28599°S 145.57394°E, 750 m, 25 Dec 1989, G. Monteith, 1;m (UNSW_ENT 00042697) (QM). Curtain Fig tower, 2km SW Yungaburra, 17.26667°S 145.5833°E, 700 m, 08 Dec 1988, Monteith & Thompson, 1;m (UNSW_ENT 00042698) (QM).

Danbulla Scientific Reserve, 17.12°S 145.66667°E, 09 Dec 1995, G. B. Monteith, 1;m (UNSW_ENT 00042536) (QM). Danbulla Scientific Reserve, 17.2°S 145.6667°E, 740 m, 02 Nov 1995, G. B. Monteith, 1;m (UNSW_ENT 00042469) (QM). Davies Ck Rd, 20km SE Mareeba, 17.05°S 145.6°E, 750 m, 17 Dec 1989, G. Monteith & G. Thompson, 2;m (UNSW_ENT 00042573, UNSW_ENT 00042741), 1;f (UNSW_ENT 00042576) (QM). Devil's Thumb, area 10km NW Mossman, 16.38645°S 145.29133°E, 1090 m, 10 Oct 1982, Monteith, Yeates & Thompson, 1;f (UNSW_ENT 00042732) (QM). Gadgarra Rd, 5km E Lake Eacham, 17.26667°S 145.6667°E, 700 m, 09 Dec 1989, Monteith, Thompson & Janetzki, 1;m (UNSW_ENT 00042722) (QM). Graham Range, 17.28333°S 145.7°E, 550 m, 08 Dec 1995 - 09 Dec 1995, Monteith, Thompson, Cook, 1;m (UNSW_ENT 00042699), 2;f (UNSW_ENT 00042700, UNSW_ENT 00042701) (QM). Hugh Nelson Ra., 2.5km S of Crater NP, 17.43312°S 145.48338°E, 1100 m, 05 Dec 1988, G. Monteith, 1;f (UNSW_ENT 00042728) (QM). Kirrama Ra, Douglas Ck Rd, 18.2°S 145.75°E, 850 m, 10 Dec 1986 - 12 Dec 1986, Monteith, Thompson, Hamlet, 1;m (UNSW_ENT 00042566), 5;f (UNSW_ENT 00042567-UNSW_ENT 00042571) (QM). Koombooloomba Dam, Upper Tully, 17.8353°S 145.605°E, 08 Dec 1989, Monteith, Thompson & Janetzki, 1;m (UNSW_ENT 00042462), 1;f (UNSW_ENT 00042463) (QM). Lamb Ra, 19km SE Mareeba, 17.1°S 145.5667°E, 1200 m, 11 Dec 1988, G. Monteith & G. Thompson, 3;m (UNSW_ENT 00042716-UNSW_ENT 00042718) (QM). Lamb Range, 19km SE Mareeba, 17.15307°S 145.69005°E, 1200 m, 03 Dec 1988, G. Monteith & G. Thompson, 1;f (UNSW_ENT 00042719) (QM). Maalan Rd, 2km S of Palmerston Hwy, 17.6°S 145.7°E, 750 m, 18 May 1995, G. Monteith, 3;m (UNSW_ENT 00042423-UNSW_ENT 00042425), 4;f (UNSW_ENT 00042426-UNSW_ENT 00042429) (QM). Malanda Falls, 17.35501°S 145.58639°E, 750 m, 31 Dec 1989, G. B. Monteith, 1;f (UNSW_ENT 00042724) (QM). Mossman Bluff Summit, 10 km W Mossman, 16.44776°S 145.28056°E, 1300 m, 17 Dec 1988, G. Monteith & G. Thompson, 1;f (UNSW_ENT 00042478) (QM). Mossman Bluff Track, 9km W Mossman, 16.44365°S 145.29083°E, 860 m, 20 Dec 1989, G. Monteith & G. Thompson, 1;f (UNSW_ENT 00042480) (QM). Mossman Bluff

Track, 9km W Mossman, 16.44365°S 145.29083°E, 1000 m, 22 Dec 1989, Monteith & ANZSES, 1;m (UNSW_ENT 00042479) (QM). Mossman Bluff Track, 10km W Mossman, 16.45958°S 145.27618°E, 1200 m, 17 Dec 1988, G. Monteith & G. Thompson, 2;m (UNSW_ENT 00042476, UNSW_ENT 00042477) (QM); 21 Dec 1989, G. Monteith & G. Thompson, 1;f (UNSW_ENT 00042481) (QM). Mt. Fisher, 7km SE Millaa Millaa, 17.5167°S 145.6167°E, 1200 m, 05 May 1983, G. Monteith & D. Yeates, 2;m (UNSW_ENT 00042493, UNSW_ENT 00042494), 2;f (UNSW_ENT 00042495, UNSW_ENT 00042496) (QM). Mt. Halcyon, 16.05°S 145.41666°E, 870 m, 23 Nov 1993, G. Monteith & H. Janetzki, 5;m (UNSW_ENT 00042533-UNSW_ENT 00042535, UNSW_ENT 00042560, UNSW_ENT 00042561) (QM). Mt. Misery Summit, via Helenvale, N. Qld., 15.88333°S 145.23333°E, 850 m, 06 Dec 1990, Monteith, Sheridan, Roberts, 3;m (UNSW_ENT 00042562-UNSW_ENT 00042564) (QM). Mt Bartle Frere, Central Ridge, 17.38333°S 145.81667°E, 1500 m, 27 Dec 1989, G. B. Monteith, 6;m (UNSW_ENT 00042549-UNSW_ENT 00042552, UNSW_ENT 00042559, UNSW_ENT 00042740), 6;f (UNSW_ENT 00042553-UNSW_ENT 00042558) (QM). Mt Boolbun South, 15.95°S 145.13333°E, 850 m, 05 Nov 1995, G. B. Monteith, 5;m (UNSW_ENT 00042438-UNSW_ENT 00042441, UNSW_ENT 00042448), 5;f (UNSW_ENT 00042442-UNSW_ENT 00042446) (QM). Mt Boolbun Sth, 17.28333°S 145.9667°E, 950 m, 05 Nov 1995, Monteith & Cook, 1;m (UNSW_ENT 00042447) (QM). Mt Demi summit, 7km SW Mossman, 16.5°S 145.3167°E, 1100 m, 29 Oct 1983, D.K. Yeats & G.I. Thompson, 1;m (UNSW_ENT 00042523) (QM). Mt Father Clancy, 9km S Millaa Millaa, 17.58329°S 145.63329°E, 1000 m, 06 Dec 1988, G. Monteith & G. Thompson, 5;m (UNSW_ENT 00042430-UNSW_ENT 00042432, UNSW_ENT 00042449, UNSW_ENT 00042450), 4;f (UNSW_ENT 00042433, UNSW_ENT 00042434, UNSW_ENT 00042437, UNSW_ENT 00042451) (QM). Mt Father Clancy, 9km S Millaa Millaa, 17.58329°S 145.63329°E, 950 m, 06 Dec 1988, G. Monteith & G. Thompson, 4;f (UNSW_ENT 00042435, UNSW_ENT 00042436, UNSW_ENT 00042452, UNSW_ENT 00042743) (QM). Mt Fisher, Kjellberg Rd, 17.53333°S 145.55°E, 1100 m, 17 May 1995, G. B. Monteith, 3;m

(UNSW_ENT 00042508-UNSW_ENT 00042510), 2;f (UNSW_ENT 00042519, UNSW_ENT 00042520) (QM). Mt Formartine South, 10km N Kuranda, 16.72167°S 145.6167°E, 700 m, 23 Nov 1990, G. Monteith & G. Thompson, 1;f (UNSW_ENT 00042733) (QM). Mt Hartley, 15.76667°S 145.3333°E, 750 m, 08 Nov 1995, G. B. Monteith, 1;m (UNSW_ENT 00042721) (QM). Mt Hugh Nelson, SE shoulder, 17.50833°S 145.5525°E, 1140 m, 07 Feb 1999, G. B. Monteith, 1;f (UNSW_ENT 00042729) (QM). Mt Kooroomool, summit, 7km S, 17.9015°S 145.6758°E, 1050 m, 04 Dec 1998, G. B. Monteith, 3;m (UNSW_ENT 00042709-UNSW_ENT 00042711) (QM). Mt Lewis Rd, 16km from H'way, 16.56667°S 145.26667°E, 950 m, 18 Dec 1989, G. Monteith & G. Thompson, 1;f (UNSW_ENT 00042417), 1;m (UNSW_ENT 00042418) (QM). Mt Lewis Rd, 22km from H'way, 1000 m, 18 Dec 1989, G. Monteith & G. Thompson, 2;f (UNSW_ENT 00042415, UNSW_ENT 00042416) (QM). Mt Lewis Rd. end 10km N Mt. Lewis, 16.52456°S 145.27891°E, 1100 m, 25 Nov 1990, Monteith, Thompson & Sheridan, 1;m (UNSW_ENT 00042419) (QM). Mt Lewis Road, 29 km from Highway, 16.51167°S 145.27°E, 1210 m, 29 Nov 1997, G. B. Monteith, 1;f (UNSW_ENT 00042727) (QM). Mt Misery, summit, 15.528°S 145.14°E, 850 m, 03 Jan 1991, Anzsas Exped, 2;f (UNSW_ENT 00042542, UNSW_ENT 00042543) (QM). Mt Spurgeon, Sandy Ck, 16.46667°S 145.2°E, 1100 m, 22 Nov 1997, G. B. Monteith, 1;f (UNSW_ENT 00042578) (QM). Mt Spurgeon; 2km SE, via Mt Carbine, 16.45°S 145.2°E, 1100 m, 20 Dec 1988, Monteith & Thompson, 6;f (UNSW_ENT 00042420-UNSW_ENT 00042422, UNSW_ENT 00042455-UNSW_ENT 00042457), 2;m (UNSW_ENT 00042453, UNSW_ENT 00042454) (QM). Mt Williams 0.5km NW, 16.91667°S 145.6667°E, 870 m, 28 Nov 1997, G. B. Monteith, 1;m (UNSW_ENT 00042723) (QM). North Bell Peak, Malbon Thompson Ra, 17.11667°S 145.8833°E, 1000 m, 20 Nov 1990, Monteith & Thompson, 1;f (UNSW_ENT 00042468) (QM). Palmerston NP, E margin, 17.61667°S 145.7667°E, 400 m, 09 Dec 1995, G. Monteith, 1;f (UNSW_ENT 00042577) (QM). Roaring Meg Valley, 16.06667°S 145.4167°E, 680 m, 09 Dec 1993, G. B. Monteith, 1;f (UNSW_ENT 00042730) (QM). Sluice Ck, 9km WSW Millaa Millaa, 17.51667°S 145.5167°E, 1150 m, 05 Dec 1988, G. Monteith & G.

Thompson, 3;m (UNSW_ENT 00042465-UNSW_ENT 00042467) (QM). The Crater NP, 17.42167°S 145.4858°E, 950 m, 28 Dec 1989, G. B. Monteith, 7;f (UNSW_ENT 00042702-UNSW_ENT 00042708) (QM). Tully R. Xing, 10km S Koombooloomba Dam, 17.9318°S 145.61902°E, 750 m, 08 Dec 1989, Monteith, Thompson & Janetzki, 1;m (UNSW_ENT 00042459), 2;f (UNSW_ENT 00042460, UNSW_ENT 00042461) (QM); 04 Jan 1990, G. B. Monteith, 1;f (UNSW_ENT 00042464) (QM). Upper Boulder Creek, 11km N Tully, 17.8233°S 145.92437°E, 1000 m, 05 Dec 1989, Monteith, Thompson & Janetzki, 1;f (UNSW_ENT 00042565) (QM). Upper Isley Ck., 17.05°S 145.68333°E, 950 m, 29 Nov 1993, Monteith & Janetzki, 3;f (UNSW_ENT 00042530-UNSW_ENT 00042532), 1;u (UNSW_ENT 00042522) (QM). Upper Mulgrave Rd, Kearneys Falls, 17.23589°S 145.7758°E, 100 m, 10 Dec 1988, Monteith & Thompson, 1;m (UNSW_ENT 00042720)(QM). Upper Path Rd., 17.38333°S 145.46667°E, 1100 m, 09 Dec 1995, G. B. Monteith, 2;m (UNSW_ENT 00042574, UNSW_ENT 00042575) (QM). Vine Ck Rd, 17.68333°S 145.5333°E, 1100 m, 24 Nov 1994, G. B. Monteith, 3;m (UNSW_ENT 00042537-UNSW_ENT 00042539), 2;f (UNSW_ENT 00042540, UNSW_ENT 00042541) (QM). Wallaman Falls Rd,junction, 18.65°S 145.8667°E, 650 m, 05 Feb 1996, G. Monteith, 1;f (UNSW_ENT 00042731) (QM). Windsor Tableland, 1.2km past barracks, 16.25°S 145.03333°E, 1060 m, 08 Feb 1998, G. B. Monteith, 1;m (UNSW_ENT 00042712), 2;f (UNSW_ENT 00042714, UNSW_ENT 00042715) (QM). Windsor Tableland, 5.7km past barracks, 16.23333°S 145°E, 1260 m, 08 Feb 1998, G. B. Monteith, 1;m (UNSW_ENT 00042713) (QM). Windsor Tbld, 35km NNW Mt Carbine, 16.25°S 145.1333°E, 1050 m, 25 Apr 1982 - 26 Apr 1982, Monteith, Yeates, & Cook, 1;f (UNSW_ENT 00042725) (QM). Wongabel SF, 5km S Atherton, 17.41667°S 145.4667°E, 800 m, 05 Dec 1988, Monteith & Thompson, 2;m (UNSW_ENT 00042414, UNSW_ENT 00042504) (QM).

Phyllofulvius australianus Carvalho, 1991. See material examined for all species in the main text of the paper.

Phyllofulvius tarkine sp. nov. See material examined for all species in the main text of the paper.

Phyllofulvius sp.

Material examined. **NSW:** 11 km W of Coonabarabran, 31.27455°S 148.99901°E, 17 Nov 1990, D. Bickel, 1;f (UNSW_ENT 00043083) (AM). Scheyville, 33.607°S 150.885°E, Oct 1987, H. F. Recher, *Leptospermum coriaceum* (F. Muell. ex Miq.) Cheel (Myrtaceae), det. Field ID, 1;m (UNSW_ENT 00043076) (AM). **QLD:** Carnarvon Station Reserve, Paint Point, 24.9°S 147.5°E, 16 Oct 2014, D. Tree and A. Namyatova, 1;f (UNSW_ENT 00027628) (UNSW). **SA:** 1.5km NNW Horne Lookout E Bascombe Wells Conservation Park, Kappawanta Basin Eyre Pen, 33.574°S 135.3406°E, 02 Dec 1986, J. A. Forrest, 1;f (UNSW_ENT 00043086) (SAMA). 51 km NW of Morgan, 33.58333°S 140°E, 150 m, 01 Nov 1995, Schuh, Cassis, and Gross, 1;m (UNSW_ENT 00043085) (AM). **VIC:** Cairn Curren Reservoir Via Maldon, 37.0167°S 143.97047°E, 01 Jan 1966, T. Weir, 1;u (UNSW_ENT 00043087) (QM).

Punctifulvius Schmitz, 1978. See material examined for all Australian species in Namyatova & Cassis (2019).

Rhinocylapoides Wolski & Gorczyca, 2012. See material examined for all Australian species in Namyatova & Cassis (2019).

Xenocylapidius Gorczyca, 1997.

Material examined. **NSW:** 1.5km NW Moruya, Moruya River, 35.88897°S 150.06563°E, 03 Oct 1982, J. Doyen, *Osmoporus latus* (Fr.) G.Cunn. (Coriariaceae), 1;f (UNSW_ENT 00042399) (AM). Cherry Tree SF, Mallanganee, 28.89667°S 152.74833°E, 240 m, 21 Apr 2008, G Monteith, 2;f (UNSW_ENT 00404449, UNSW_ENT 00404450) (QM). Dorrig, 30.3402°S 152.71235°E, 914 m, no date provided, L. G. Herron, 1;f (UNSW_ENT 00042396) *Osmoporus latus* (Fr.) G.Cunn. (Coriariaceae), 1;m (UNSW_ENT 00042397) (AM). Gwydir Hwy. E side Gibraltar

Range, 29.56552°S 152.21481°E, 450 m, 28 Nov 1962, E.S. Ross & D.Q. Cavagnaro, 1;m
 (UNSW_ENT 00042395) (AM). Jenolan, 33.79375°S 150.06065°E, 14 Jan 1985 - 20 Jan 1985,
 G. Hangay, 1;f (UNSW_ENT 00042408) (AM). Killara, 33.765°S 151.151°E, 16 May 1936, M.
 F. Day, 1;f (UNSW_ENT 00042398) (AM). Kunderang Brook Trail, ca. 2km SSW of Left Hand
 Hut, 30.89523°S 152.16498°E, 120 m, 10 Nov 2015, A. Namyatova, 1;u (UNSW_ENT 00029093)
 (UNSW). Lord Howe Island, 31.552°S 159.081°E, A. M. Lea, 1;f (UNSW_ENT 00042403)
 (SAMA). Mount Keira, 34.24°S 150.51°E, 11 Mar 1981, D.C.F. Rentz, 1;u (UNSW_ENT
 00042405) (AM). **QLD:** "Glen Witheren", 28.05°S 153.11667°E, 15 Apr 2001, G Monteith, 1;f
 (UNSW_ENT 00404480) (QM). 3 km S of Mt Deongwar, 27.23333°S 152.25°E, 450 m, 27 Dec
 1998, G. B. Monteith, 2;f (UNSW_ENT 00042362, UNSW_ENT 00042363), 1;u (UNSW_ENT
 00042364) (QM). 3.3 km S of Yarraman, 26.86667°S 151.98333°E, 420 m, 15 Jan 1998, G. B.
 Monteith, 2;f (UNSW_ENT 00042375, UNSW_ENT 00042376) (QM). 3k W of Bones Knob,
 17.21667°S 145.4167°E, 1100 m, 10 Dec 1995, Monteith, Cook, Thompson, 2;f (UNSW_ENT
 00042386, UNSW_ENT 00042392), 1;m (UNSW_ENT 00042393) (QM). Basset site. Mt
 Glorious, 27.31666°S 152.75°E, 700 m, Jan 1987, Y. Basset, *Argyrodendron*
actinophyllum (Malvaceae), 2;m (UNSW_ENT 00042380) (QM); Feb 1987, Y.
 Basset, *Argyrodendron actinophyllum* (Malvaceae), 1;f (UNSW_ENT 00043399) (QM). Belmont
 Hills Bushlands, site 1, 27.51305°S 153.11805°E, 80 m, 16 Apr 2003, C. J. Burwell, 1;m
 (UNSW_ENT 00404448) (QM). Boat Mountain, E.P., 26.16667°S 151.96667°E, 580 m, 14 Dec
 1994, G. Monteith & G. Thompson, 1;f (UNSW_ENT 00042388) (QM). Brandy Creek, 20.35°S
 148.71667°E, 150 m, 20 Nov 1992, Monteith, Thompson & Janetzki, 1;m (UNSW_ENT
 00042389) (QM). Bunya Mountains, 26.83333°S 151.55°E, 22 Dec 1937, N. Geary, 1;f
 (UNSW_ENT 00042391) (AM). Cairns District, 16.92304°S 145.76625°E, A. M. Lea, 2;m
 (UNSW_ENT 00042400, UNSW_ENT 00042401), 1;f (UNSW_ENT 00042401) (SAMA).
 Cameron Ck, upper, 21.58333°S 149.18333°E, 100 m, 01 Oct 1999, G. B. Monteith, 1;m
 (UNSW_ENT 00042387) (QM). Enogerra Reservoir, site 3, 27.45°S 152.91667°E, 04 Nov 1999,

C. J. Burwell and G. B. Monteith, 1;m (UNSW_ENT 00404478) (QM). Enoggera Reservoir, site 3, 27.45°S 152.91667°E, 110 m, 16 Oct 1999, G. B. Monteith, 1;m (UNSW_ENT 00400917), 1;f (UNSW_ENT 00400918) (QM). Eurimbula SE of Gladestone, 24.18333°S 151.83333°E, 15 Sep 1989, G. B. Monteith, 1;m (UNSW_ENT 00042379) (QM). Gurgeena Plateau, 25.45°S 151.3667°E, 360 m, 18 Dec 1998, G. B. Monteith, 1;m (UNSW_ENT 00042369), 1;f (UNSW_ENT 00042370) (QM). Kuranda, 16.81722°S 145.635°E, 370 m, F. P. Dodd, 1;f (UNSW_ENT 00042390) (SAMA). Mount Fort William, via Kalpowar, 24.65°S 151.3333°E, 18 Jan 1990, G. B. Monteith, 2;f (UNSW_ENT 00042383, UNSW_ENT 00042384) (QM). Mt Spurgeon; 2km SE, via Mt Carbine, 16.45°S 145.2°E, 1100 m, 20 Dec 1988, Monteith & Thompson, 2;m (UNSW_ENT 00042381, UNSW_ENT 00042382) (QM). Nangur SF, 26.13333°S 151.9667°E, 320 m, 24 Nov 1995, G. B. Monteith, 1;u (UNSW_ENT 00042367), 1;f (UNSW_ENT 00042368) (QM). Nipping Gully (Site 5), 25.7°S 151.4333°E, 200 m, 09 Oct 1998, G. Monteith, 1;f (UNSW_ENT 00042371) (QM). Nipping Gully, site 2, 25.67033°S 151.425°E, 300 m, 26 Jan 1999, G. B. Monteith, 1;m (UNSW_ENT 00042374) (QM). Nipping Gully, site 5, 25.7025°S 151.4235°E, 240 m, 26 Jan 1999, G. B. Monteith, 1;f (UNSW_ENT 00042372), 1;m (UNSW_ENT 00042373) (QM). Peeramom Scrub, 17.31667°S 145.6167°E, 750 m, 09 Dec 1995, G. B. Monteith, 2;m (UNSW_ENT 00042377, UNSW_ENT 00042378) (QM). Top Moffatt Camp, Mt Moffatt National Park, 25.06667°S 148.05°E, 25 Nov 1997, S. Evans, 1;m (UNSW_ENT 00404479) (QM). Vine Ck Rd, 17.68333°S 145.5333°E, 1100 m, 24 Nov 1994, G. B. Monteith, 2;f (UNSW_ENT 00042365, UNSW_ENT 00042366) (QM). Windsor Tbld, 5.7km past barracks, 16.23333°S 145°E, 1300 m, 24 Nov 1997, G. Monteith, 1;m (UNSW_ENT 00042385) (QM). **SA:** Adelaide, 34.91666°S 138.6°E, R. J. Burton, 1;f (UNSW_ENT 00042404) (SAMA). Mount Lofty, 34.974°S 138.709°E, Unknown, 1;f (UNSW_ENT 00042402) (SAMA). Mt. Lofty Ranges, 34.97404°S 138.709°E, R. Harvey, 1;f (UNSW_ENT 00042407) (SAMA). **WA:** Broomehill, 33.85°S 117.55°E, 17 Feb 1985, R. P. McMillan, 1;f (UNSW_ENT

00042406) (WAMP). **unknown:** unknown, no date provided, J. F. Lawrence, *Osmoporus*
latus (Fr.) G.Cunn. (Coriariaceae), 1;u (UNSW_ENT 00042394) (AM).