

Gynarchaeus

~~Gynopsinus~~

Plesiochytrus ornatus (Sharp, 1876)

- FL 1[♂] spec, West Arm (170-200 m), Manapouri, Jan 1970, G. Kuschel, beating (ED)
- FL 1[♂] 2[♀] spec, Mica Burn (180-230 m), Manapouri, Jan 1970, G. Kuschel, beating Noth. solandri (ED)
- NN 1[♀] spec, Upper Maitai, 3 Mar 1935, E.S. Gourlay (ED)
- NN 1 spec Flora Camp c 830 m (2500'), 6 Mar 1935, E.S. Gourlay (ED)
- WN 1[♂] spec Karori, 1918, coll? (ED)
- WN 1[♀] spec, Hector Track, Tararua Ra., 13 Dec 1963, J. I. Townsend (ED)
- WN 1 spec, Wiltons Bush, no date, G.V. Hudson (ZDCU)
- WN 1 spec, Gollans Valley, 1 Feb 1924, G.V. Hudson (AM)
- WN 1 spec, Wellington, G.V. Hudson, no date (NM)
- AK 1[♀] spec, Huia, 17 Jan 1974, B.M. May, beaten Tetrapatheia tetrandra (ED)
- NN 1[♂] 2[♀] spec, Canaan, 17-26 Jan 1949, coll? (ED)
- WN 1[♂] 3[♀] spec, Campbells Bush, Karori, Dec 1917, G.V. Hudson (ED)
- WN 1[♂] spec, Wellington, G.V. Hudson, no date (NM)
- WN 1[♂] spec, Karori, G.V. Hudson, no date (NM) (O'Connor Collⁿ)
- WN 2 spec, Titahi Bay, 1911, A.C. O'Connor (NM)
- WN 1 spec, Karori, Dec 1918, coll? (ED)
- WN 1 spec (162a) Campbells Hill Bush, Jan-Feb 1909, G.V. Hudson (NM)
- WN 1 spec (162c) Pakuratahi, 28 Dec 1901, G.V. Hudson (NM)
- WN 1 spec (162d) Campbells Hill Bush, 6 Jan 1918, G.V. Hudson (NM)
- WN 1 spec (162n) Gollans Valley, 15 Dec 1925, G.V. Hudson (NM)
- WN 1 spec (162p) Wainuiomata, Dec 1925, G.V. Hudson (NM)
- WN 1 spec (162q) Wiltons Bush, 28 Nov 1925, G.V. Hudson (NM)
- WN 2 spec (162r+s) Gollans Valley, 5 Jan 1926, G.V. Hudson (NM)
- no locality 3 spec Wakefield Collⁿ (CM)
- WN 1 spec Karori, G.V. Hudson (NM)
- no locality 1 spec (ZDCU)
- WN 1 spec (162a) Campbells Hill Bush, Jan-Feb 1909, G.V. Hudson (NM) [ILLUSTR] Retainer (NZAC)
- no locality 2 spec (FRI 38), 12 Nov 1958 (FRI)
- BP 1[♀] spec (FRI 39), Lake Rotorua, 1 Jan 1939 (FRI)
- no locality 1[♂] (FRI 40) pupa 28 Oct 1958, adult 3 Nov 1958 (FRI) no host given
- BR 1 ♀ Ahaura, 24 Jan 1935, E. S. Gourlay (NZAC)

Gynarchaeus

~~Gynopterus~~

~~Pterostygynius~~ ornatus (Sharp, 1876)

- MC ^{1 ♀} 1 spec (185, 187), Alford Forest, 18 Jun 1959, R.M.J. McKenzie, ^{Rearred from} ~~Coprosma~~ sp. (FRI)
- BR 1 [♀] spec (186), Reeflon Dist, 25 Feb 1959, L. W. Newman (FRI)
- TO 1 spec (188), East Taupo, 9 Oct 1958, R.H. Milligan. Rearred from Nothofag. menziesii (FRI)
- TO 1 [♀] spec (FRI 218), S.F. 90, E. Taupo, em 28 Dec 1957 from Noth. menziesii (FRI)
- ^{no} details 1 spec (FRI 235), 3 Dec 1958 (Rearing No. W98) (FRI)
- TO 1 [♀] spec (FRI 216), S.F. 90, E. Taupo, em 19 Dec 1957 from Noth. menziesii twigs (FRI)
- TO 1 [♀] spec (FRI 221), S.F. 90, E. Taupo, em 17 Dec 1957 from Noth. fusca branches (FRI)
- SL 1 [♂] spec (259), Tisbury, 1 Mar 1920, coll? (ED)
- WO BP 1 [♀] spec, Okauia, Makamata, Jan 1927, A.E. Brookes (ED).
- BR 1 [♀] spec, Howard River, 27 Mar 1915, T. Brown Dup. Coll. (ED)
- NN 1 [♀] spec Hope Saddle, 23 Jan 1957, E.S. Gourlay (ED)
- BR/NN 1 spec Buller R., Jan 1920, G.V. Hudson (O'Connor Coll) (NM)
- CL 1 spec Tairua ^(BMNH) ~~(B&BM)~~
- CL 1 ♀ Tairua ^(BMNH) ~~(B&BM)~~ This specimen bears a type label!
- WO 1 spec. Ohaupo, Waikato ^(BMNH) ~~(B&BM)~~
- WN 60[♂], 3 unsexed, Wellington (Williams, Gollans V.) 1940-41, G.V. Hudson (BMNH)
- BP 1 spec. Mamaku, Rotorua, H Swale, pre 1913 (BMNH)
- WN 1 spec. Wellington C.E. Clarke, pre 1957 (BMNH)
- Total Examined ~~57~~ 23 ♀, 29 unsexed specs. ~~57~~
- NN 1 spec Nelson, C.E. Clarke pre 1957 (BMNH)

Helmoresus sharpi Brown

- CL ✓ 1 ♀ Leectotype Tainua, no date, Brown (ED)
- MC ✓ 1 ♀ Riccarton Bush, Christchurch, 4 Dec 1941, E.S. Gourlay (ED)
- CL ✓ 1 ♂ Paralectotype Tainua, no date, Brown (ED)
- NN ✓ 1 ♀ Rongā Saddle, 5 Dec 1961, J.I. Townsend & G.F. Woods (ED)
- MC ✓ 1 ♀ Christchurch, ex house, 27 Nov 1964, coll? (ED)
- NN ✓ 1 ♂ Nelson, Nov 1953, E.S. Gourlay (ED)
- NN ✓ 2 ♀ Nelson Oct 1952, E.S. Gourlay ex Pinus radiata (ED)
- NN ✓ 2 ♂, 2 ♀ Moutere Hills ¹³⁺, 14 Oct 1937, E.S. Gourlay, on Pinus (ED)
- NN ✓ 2 ♂ 1 ♀ Nelson, Oct 1952 E.S. Gourlay, ex Pinus radiata (ED)
- NN ✓ 1 ♂ 3 ♀ Nelson Oct 1952 (ED)
- CL ✓ 1 ♀ Great Barrier, 23 Nov 1940, D. Spiller (ED)
- NN ✓ 1 ♂, 2 ♀ Nelson Oct 1952 E.S. Gourlay, ex Pinus radiata (ED)
- NN ✓ 2 ♂ 1 ♀ Nelson, 4 Dec 1943, E.S. Gourlay, ex pine cones (ED)
- NN ✓ 1 ♀ Nelson 15 Dec 1943, E.S. Gourlay (ED)
- CL ✓ 1 ♀ Mayor I. (#300A) J.C. Watt (ED)
- AK ✓ 1 ♀ Helensville, Kaipara, no date, Brown (ED)
- AK ? 1 ♂ Auckland District, Dec 1951, from borer beetles sent in from Auck Dist. (ED)
- NN ✓ 1 ♂ Whangamoa, 21 Feb 1964, L.P. Marchant Nothofagus (ED)
- AK ✓ 1 spec. Huia, 4 Feb 1966, J.M. Richers, under Kauri bark, (ED) - spec. seen 1966, not in collⁿ now
- 1 ♀ no data (#963) Brown Dup Collⁿ (ED)
- VC ? 1 ♀ Deans Bush, 21 Nov 1924, A. Tonnoir (ED)
- NN ✓ 1 ♀ Rabbit I, 24 Oct 1970, B.A. Holloway (ED)
- 1 ♂ no details, ~~Waharoa~~ (#963) (ZDCU)
- MC ✓ 2 ♂ 1 ♀ Summit Rd 28 Nov 1937, Dr Allen (ZDCU)
- NN ✓ 1 ♂ 1 ♀ Korokoro Wghn G.V. Hudson no date (ZDCU)
- 1 spec. Wakefield Collⁿ no other details (CM)
- WN ✓ 1 spec Akatarawa 17 Jan 1909, A.C. O'Connor (NM)
- WN ✓ 2 spec Kaitoke 17 Nov 1909 A.C. O'Connor (NM)
- 1 ♂ No data (NM)
- 1 spec " " (NM)
- NC ✓ 2 ♀ Amberley Beach 12-14 Nov 1937, S. Lindsay (CM)
- MC ✓ 1 ♀ Cashmere Hills ChCh, 15 Jan 1963, P.M. Johns, in garden (ZDCU)
- WN 5 ♂ (103 g, h, k, m, s) 6 ♀ (103 i, l, n, p, q, r) Korokoro, Wghn, 30 Mar 1921 Under bark of felled rimu, G.V. Hudson (NM)

Helmoresus sharpi Brown

- NN ✓ 50 specs (FRI 6, FRI 7, FRI 8) Nelson, 24 Oct 1952, E.S. Gourlay (FRI)
- NC 9 ✓ Specs (138) ^{FRI} Balmoral S.F., Canterbury Sep 1955 R.H.M. (FRI)
- NC 11 ✓ (FRI 141) R.H.M. (FRI)
- NC 3 ✓ " (FRI 135) Ashley S.F. Canterbury 3 Jan 1958, R.J. Mack (FRI)
- NC 4 specs. (FRI 140) em 4 Nov 1958 (W6) Locality? (FRI) Reared *P. radiata*
bark, Balmoral S.F. - see (16)
- NC 2 (FRI 139) em 10 Nov 1958 (W77) .. (FRI) Reared *P. radiata*
bark.
- DN ✓ 10♂, 1♀ (FRI 203) Port Chalmers under *P. radiata* bark Dec 1964, D.C. (FRI)
- DN ✓ 2 spec. (FRI 204) - - - - - (FRI)
- NC ✓ 9 spec (16) Balmoral S.F. Reared *P. radiata* Jan 1958, R.M.J. McKenzie (FRI) ^{see W6 & W77}
- TO ✓ 1 ♀ (FRI 143) Karori S.F. ^{2,000'} Ohakune 29 Sep 1958, *Noth. menziesii*, em
15 Dec 1958, tin 88, R. Zondag (FRI) REARED
- MC ✓ 10♂ (FRI 151) Springfield ^{1250'} Woodlot, Canterbury 22 Jan 1958 R.J.M. (FRI)
- NN ✓ 10♂ (15) Golden Downs, em 28 Sep 1959 J.G.R. McBurney REARED, *P. radiata* (FRI)
- MB ✓ 10♀ (FRI 147) Hanmer S.F. ^{about 1200'} Cantb. 12 Dec 1957 M.A.C. (FRI)
- NN ✓ 10♀ (18) Golden Downs S.F. em Sep 1959, J.G.R. McBurney REARED *P. radiata* (FRI)
- MB ✓ 10♀ (FRI 149) Hanmer S.F. Cantb. 14 ^{Jan} 1958 R.J. McKenz. (FRI)
- NC ✓ 10♂, 1♀ (FRI 145) Eyrewell S.F. Cant. 20 Dec 1957, R.J. McK. (FRI)
- NC ✓ 10♀ (FRI 107) Balmoral S.F. Cant. em 22 Nov 1958 (W77) REARED *P. radiata* bark (FRI)
- NN ✓ 10♂ (17) Golden Downs S.F. em 28 Sep 1959 J.G.R. McBurney REARED *P. radiata* (FRI)
- NN ✓ 10♂ (13) (FRI)
- NC ✓ 10♀ (FRI 137) Ashley S.F. Cant. 11 Dec 1958 R.J. McK (FRI)
- NC ✓ 10♂ (FRI 138) (FRI)
- BP ✓ 10♂ (FRI 133) Whakarewarewa S.F. Jan 1954, R. Zondag (FRI)
- NC ✓ 10♀ (FRI 150) Eyrewell S.F. Cant. 5 Jan 1958, R.J. McK., beaten larch (FRI)
- NC ✓ 10♀ (FRI 97) Balmoral S.F. Cant. Sep 1955 R.J. McK. (FRI)
- VC. 10♀ (FRI 134) Canterbury 1956, R.J. McK. (FRI)
- NN ✓ 10♂ (14) Golden Downs S.F. em 29 Sep 1950 J.G.R. McBurney REARED *P. radiata* (FRI)
- NC ✓ 10♂ (FRI 94) Balmoral S.F. Sep 1955 R.J. McK. (FRI)
- 1 spec (FRI 131) No details (FRI)
- NC ✓ 10♂ (19) Stoneyhurst Plantation, Waipara, em 20 Nov 1959, R.J. McK REARED *Noth. solandri* (FRI)
- VC ✓ 10♀ (10) Balmoral S.F. Cant, em ^{15 Sep 1958} ~~19~~, K. Prior, REARED *Salix* sp. (FRI)
- MB ✓ 10♀ (FRI 148) Hanmer S.F., 14 Dec 1957, R.J. McK. (FRI)
- NC ✓ 10♂ (FRI 93) Balmoral S.F., Sep 1955 R.H. McK (FRI)

Helmoresus sharpi Brown

- NN \checkmark 1 ♂ (9) Golden Downs S.F., J.G.R. McBurney em 28 Sep 1959, [REARED] P. radiata (FRI)
- NC \checkmark 1 ♂ (11) Balmoral S.F. em. 13 Nov 1959, K. Prior. [REARED] Salix sp (FRI)
- NN \checkmark 2 specs (12, 20) Golden Downs S.F., J.G.R. McBurney, em 28 Sep 1959, [REARED] ^{retd Sep 1969} P. radiata (FRI)
- WN \checkmark 1 ♀ (103 E) Korokoro Wghrv, 30 Mar 1921, G. Ulhuason ^{under bank} felled Rimu (NM) Drawn D. E. Helmore
- CL \checkmark 1 ♀ (par) Tairua, Paratype (aff. Sep 66) Brown (BM)
- HB \checkmark 1 ♂ Mangawhare, North Wairarā, (BM)
- WN \checkmark 1 ♀, Wellington, A.C. O'Connor (BM)
- SL \checkmark 1 spec. HOLOTYPE of albiceps, Tisbury 9 Feb 1911 (2.25 x 1.0 mm) (BM) ^{Holotype label} aff. BATH Sep 66.
- WN \checkmark 18 specs. Wellington 1890 + 1940, G. Ulhuason (BMNH)

TOTAL EXAMINED: 187 (BM, CM, ED, FRI, NM, ZDCO)

Hol. albiceps, lect. sharpi, + 38 ♂ + 46 ♀ + ¹¹⁷ ~~99~~ specs.

LOCALITIES: North I. (Coromandel incl. Great Barrier, & Mayor I. AK, BP, TO, HB, WN) + South I. (NN, MB, NC, MC, DN, SL)
 Northernmost loc. Great Barrier I. (CL); southernmost locality Tisbury (SL).

ALTITUDINAL RECORDS SL to about 600m.

SEASONAL RECORDS September - March

PLANT ASSOCNS. Reared from Pinus radiata bark, wood, cones; ^{Fagaceae} Nothofagus Solandri; Salix sp; Noth. menziesii.

Has been ^{beaten from} collected on larch, ^{Larix decidua (Pinaceae)} under bark of ^{felled} rimu, pinus, kauri.

- Plant-families:
- Pinus Pinaceae
 - kauri Larix decidua Pinaceae
 - Rimu Dacrydium cupressinum Podocarpaceae
 - Kauri Agathis australis Araucariaceae
 - Salix sp Salicaceae

REMARKS

The holotype of albiceps Br. 1914 is a small spec. (2.25 x 1.0 mm) of sharpi. Brown stated that the pronotal carina is obliterated ~~but~~ at the sides but at x30 it can be seen curving forward as in sharpi.

Hoherius

SPECS EXAM. ①

Hoherius meinertzhageni (Brown, 1880)

- MC 6♂, 5 ♀, McLennans, Mt Hutk, 11 Dec 1973, G. Kuschel, on Hoheria glabrata (NZAC)
MC ✓ 1♀ Mt Hutk 1067m, 10-12 Dec 1973, A.C. Eyles, on Hoheria (NZAC)
NN ✓ 2♂, 3♀ Greenacres, Richmond, 22 Nov 1972, G. Kuschel, on Plagianthus divaricatus (NZAC)
NN ✓ 1♂, 1♀ Brightwater, 16 Nov 1972, G. Kuschel, on Plagianthus betulinus (NZAC)
NN ✓ 1♀ Riwaka Valley, 6 Dec 1972, G. Kuschel on Pittosporum eugenioides (NZAC)
BR ✓ 1♂ Glen Roy Valley, 22 Oct 1963, P.E. Read (NZAC)
NN ✓ 7♂, 2♀ Rough l., near Rabbit l., 17 Nov 1972, B.A. Holloway, on Plagianthus divaricatus (NZAC)
NN ✓ 1♂, 1♀ " " " " 17 Nov 1972, G. Kuschel, " " " " (NZAC)
NN 48♂, 15♀ Golden Downs, 20-28 Nov 1950, G.G. Hole (NZAC) 1♂ drawn by D. Helmore
SL ✓ 1♂ Otarā [ra], S.W. Otago, Dec 1988, A.C. O'Connor (NZAC)
AK ✓ 1♂ Hunua Range, no date, ex Brown Collⁿ (NZAC)
WI ✓ 1♂ Totara Forest Reserve, Manawatu Dist., 18 Dec 1948, A.E. Brookes (NZAC)
MC ✓ 1♂ Mt Oakden, nr Methven, 23 Sep 1913, T. Hall (NZAC)
BR ✓ 1♂, 1♀ Lake Rotoroa, 1200', 23 Jan 1939, E. S. Gourlay (NZAC)
MC? 1♂, 1♀ McLennan's Bush, 13 Dec 1958, E.S. Gourlay (NZAC)
NN ✓ 1♀ Cobb Valley, 9 Dec 1922, coll? (NZAC)
BR ✓ 4♀ Motoⁿ River, 28 Oct 1928, coll? (NZAC)
- 1♀ no date or locality, Ex Brown coll (NZAC)
KA ✓ 2♀ Wairiri, Kaihara Rg, no date, W.L. Wallace (NZAC)
MC ✓ 1♀ Seacliff, near Methven, 20 Oct 1913, T. Hall (NZAC)
- 1♀, no data, 2236-♀ [Brouns H/W] T. Brown Dup Collⁿ (NZAC)
- 1♂, no data, 2235♂, T. Brown Dup Coll PARALECTOTYPE P. viridescens (NZAC)
- 1♂, no data (NZAC)
GB ✓ 3♂, 1♀ Gisborne, Jan 1931, [L.J. Dumbleton] ex Hoheria (NZAC)
RI ✓ 1♂ Taihape 11 Dec 1953, R.A. Bartley (NMNZ)
WA ✓ 1♂ Otarāia, 13 Apr 1914, A.C. O'Connor (NMNZ)
WA ✓ 4♂ " " Christmas 1918 A.C. O'Connor (NMNZ)
WN ✓ 1♂, 1♀ Waikanae, no date, A.C. O'Connor (NMNZ)
WA ✓ 1♂ Otarāia, Wairarapa, Dec 1919 A.C. O'Connor (NMNZ)
WA ✓ 4♂, 1♀ " " " " Dec 1920 " " " " (NMNZ)
- 3♂, 2♀, no data (NMNZ)
MC ✓ 4♀ Moa [Basin] Browns H/W (NZAC)
RI ✓ 1♀ Ohakune, 2000', 1920, T. R. Harris (NZAC)
MC ✓ 1♀ Pudding [Hill] 10 Dec 1912, (Brouns H/W) 2236-♀. (NZAC)
MC ✓ 2♀ (377c) McLennans Bush, nr Methven, 15 Mar 1912, T. Hall (NZAC)
KA ✓ 4♂, 4♀ (377c) Clarence Bridge, Waipapa, 24 Jan 1930, G.V. Hudson (NMNZ) beaten Plagian. betulinus
WN ✓ 4♂ (377a) Lake Horowhenua 19 Feb 1901 G.V. Hudson (NMNZ)
NN ✓ 4♀ (1455a) Pokororo, 25 Jan 1929, ex shrubs G.V. Hudson (NMNZ)
WI ✓ 1♀ (1252b) Manawatu River, opposite Ashurst, 5 Feb 1924, ex shrubs, G.V. Hudson (NMNZ)
MC ✓ 1♂, 1♀ Price's Bush, 27 Dec 1942, S. Lindsay (UCNZ)
MC ✓ 1♂, 1♀ no data (UCNZ)
MC ✓ 1♀ Price's Bush 30 Jan 1938 S Lindsay (UCNZ)
MC ✓ 1♀ Price's Bush 29 Dec 1942 S Lindsay (UCNZ)

Hoherius meinertzhageni (Brown)

- MC ✓ 2 specs (223) Ashburton Gorge 12 Dec 1962 R.M.J. McKenzie [REARED] Hoheria sp. (FRNZ) returned sep '69
 ↓ 2♂ (224) " " " " " " (FRNZ) em 8 Jan '63
 ↓ 2♂ (225) " " " " " " (FRNZ) em 8 Jan '63
 ↓ 2 specs (226) " " " " " " (FRNZ) ret. Sep '69
 ↓ 2♀ (227) " " " " " " (FRNZ) em 8 Jan '63
 ↓ 2♀ (229) " " " " " " (FRNZ) em 8 Jan '63
- WI ✓ 1♀ (230) Palmerston North, 14 Feb 1959, M.A. Stoddley [REARED] Hoheria sp. (FRNZ) em 16 Feb '60
- BP ✓ 1♀ (231) Whakatane, 8 Sep 1961, J.S. Dugdale (FRNZ)
- BP ✓ 1♂ (232) Lake Rotorua, 1 Jan 1939 coll. ? (FRNZ)
- NN ✓ 1♂ Nelson, ES. Gourlay 1948 (AMNZ)
- MC ✓ 1♀ Mt Hutt, nr Methven, 15 Feb 1913, T. Hall (NZAC)
- HB ✓ 1♂ [HOLOTYPE of meinertzhageni] Napier (BMNH) Hol. label affix Dec '64, BATH
- AK ✓ 1♂ [LECTOTYPE of viridescens] Clevedon, Hunua, ^[G. Munro] (BMNH) Lect. lab aff. Dec '64, BATH
- AK ✓ 1♀ [PARALECTOTYPE of viridescens] ^[Waimarua meinertzhageni] (BMNH) Paralectoty lab - - - -
- HB ✓ 1♀ [HOLOTYPE of signatus] Napier (BMNH) Hol. label aff. Dec '64, BATH.
- MC ✓ 3♂, 1♀ (as albifrons Sluap) McClellands, Feb-Mar 1912, (BMNH) [seen by G.K.]
- BR/WD ✓ 1♂ [HOLOTYPE of albifrons] racecourse, Kumara, near Greymouth, 12 Nov 1880, Helms (BMNH)
- NN ✓ 1♂, 1♀ Golden Downs, 20-28 Nov 1950, G.G. Hole (NZAC)

75♂ 66♀

Hoherius meinertzhageni (Braun)14 ~~7~~ AMNZ, BMNHTotal examined: 145 (FRI, NMNZ, NZAC, UCNZ)

Localities: North I. (Auckland, Bay of Plenty, Gisborne, ^{Hawkes Bay,} Rangitikei, Wanganui, Wairarapa, Wellington) and South I. (Nelson, Kaikoura, Buller ^{Westland} / Mid Canterbury, Southland) from sea level to 1067 m. Northernmost record: Hunua Ra, AK; southernmost record: Otara, SL.

Seasonal Distribution: September - April.

Plant Associations: Has been reared from Hoheria sp. (Malvaceae). Adults have been beaten from Hoheria glabrata, Plagianthus betulinus, ~~and~~ P. divaricatus (Malvaceae).

nodifer
~~Hoplórhaphus~~ n.sp.

- TO ✓ 1♂ ^{Beech forest, alt approx. 3500', New Mt Tongariro} Ruapehu-Tongariro, 14 Dec 1961, G. Kuschel (ED)
- NN ✓ 1♀ Canaan, W Nelson, 17-26 Jan 1949 A E Brookes (ED)
- NN ✓ 1♀ Flora Camp 2500', 6 March 1935, E S Gourlay (ED)
- WN ✓ 1♀ Kaitoke 25 Nov 1951 E S Gourlay (ED) **HOLOTYPE**
- NN ✓ 1♀ Cobb Ridge 7 Jan 1959, E S Gourlay (ED)
- NN ✓ 1♀ Dun Mt, 18 Jan 1925, A. Philpott (ED)
- SL ✓ 1♀, 1♂ Longwood Ra, 20 Jan 1965, G Kuschel, ^{J. I. Townsend} on *Noth. menziesii* (ED)
- NN ✓ 2♂, 2♀, Dun Mt, 2000', - Feb 1918, A C O'Connor (NM)
- WN ✓ 1♂ Kaitoke, 9 Nov 1909, (NM)
- BR ✓ 1♂ Maruia Springs 25 Dec 1938, Lindsay (CM)
- FD ✓ 1♀ Hope Arm, Manapouri, 3 Jan 1923 coll? (AM)
- WN ✓ 3♂ (957 c, d, e) Orongorongo Range, above Georges Creek, 2000', 12 Dec, 1923, G. V. Hudson, beaten from dead ^{*Nothofagus* sp.} beech (NM)
- WN ✓ 5♀ (957 abfgh) - - - - - (NM)

- NN ✓ 2♂ (957 k, n), 2♀ (957 l, m) Mt Arthur 3000', 8 Jan 1925 G V Hudson (NM)
- NN ✓ 2♀ (FRI 1, FRI 2), Golden Downs S.F., 28 Dec 1938 coll? (FRI)
- TO ✓ 1♀ (8) S.F. 90, E. Taupo, 21 Jan 1960, L.W. Newman, on dead *Noth. fusca* (FRI)
- NN ✓ 1♂, 1♀ Flora Hut, Mt Arthur, 27 Dec 1972, G. Kuschel, on *Nothofagus*. (NZAC) PM Johns collⁿ
- Total specimens examined: ~~30~~₃₄ (AM, CM, ED, FRI, NM)

Localities: North I. (TO, WN), South I. (NN, BR, FD, SL).
Northernmost locality State Forest 90, E. Taupo, TO; southernmost record Longwood Ra, SL.

Altitudinal ± 500' (Kaitoke) - c. 3,500' (Mt Tongariro)
± 152 m - c. 1067 m

SEASONAL RECORDS: November - March.

PLANT ASSOC^{ns}: Has not been reared. Has been collected on dead *Nothofagus* sp. (Fagaceae); ^{dead} *N. fusca*; *N. menziesii*

Additional specimens

- NC ✓ 1♀ Rough Creek, 800m, Arthur's Pass Nat. Park, A.P. Perrett, 22 Mar 1973, Malaise trap (PMJ collⁿ) (PMJ collⁿ)
- BR ✓ 1♀ Reeflon Rahn Saddle Scenic Res., near Branch Creek, PM Johns, 14 Nov 1974, on *Noth. menziesii* PM Johns

Hoplorrhaphus spinifer (Sharp, 1876)

- CL ✓ TO♂, Little Barrier I, Awaroa Ck, 20 Feb 1976, G.A. Samuels (ED)
- WN ✓ 2♀, Sinclair Head, 8 Jan 1944, E.S. Gourlay (ED)
- BP ✓ 10♂, Okauia, Malamaka, 1 Oct 1922, A.E. Brookes (ED)
- WN ✓ 1♀, Makarua 1 Jan 1963, D.N. Edwards (ED)
- CL ✓ TO♂, 1♀, Coromandel Mts., 20 Feb 1934, ~~A.H. Richardson~~ A. Richardson (AM)
- WO ✓ TO♂, Waitomo, 12 Dec 1943, C.E. Clarke (AM)
- Chapman ✓ 2♂ 2♀, Chatham, Awaotara 450', 21 Feb 1967 x dead *Myrsine chathamica* (ED) **REARED**
- 15 ✓ 1♂ 2♀, " " 22 Feb 1967 in bush, G. Kuschel (ED)
- 15 ✓ 1♀, " " 23 " " beating bush, G. Kuschel (ED)
- CL ✓ TO♂, Coromandel Ranges 14 Feb 1934, A. Richardson (AM)
- BP ✓ 10♂, Waiorongomai near Te Aroha, no date, ex Brown Collⁿ (ED)
- ND ✓ 1♀, Parua Bay, Whangarei, no date, T. Brown (ED)
- WN ✓ 10♂, Karori, no date, G.V. Hudson (ED)
- WN ✓ TO♂, Wellington, 1940, E. Walker (ED)
- AK ✓ 1♀, Mountain Rd, Henderson, 19 Nov 1958, S. Macbeth, ex rotten wood (ED)
- ? 1♀, Rotoiti, 4 May 1915, T. Brown Dup. Collⁿ (ED)
- 1♀, No locality or data, T. Brown Dup Collⁿ (ED)
- WN ✓ 10♂, 3♀, Moonshine, 22 Jan 1917, A.C. O'Connor (NM)
- WN ✓ TO♂, Levin, 10 Jun 1919, A.C. O'Connor (NM)
- WN ✓ 10♂, 1♀, Wiltons Bush, 24 Dec 1944, G.V. Hudson (NM)
- WN ✓ TO♂ (601a) Wiltons Bush 2 Dec 1924, G.V. Hudson (NM)
- 3P ✓ 2♀ (601c,d) Buller River near Newton Flat 31 Dec 1918 G.V. Hudson (NM)
- WN ✓ 1♀ (601e) Upper Gollans Valley 3 Feb 1925 G.V. Hudson (NM)
- WN ✓ 1♀ (601f) Willons Bush, 14 Feb 1942 G.V. Hudson (NM)
- WN ✓ 1♂ (601g) " " 18 Feb 1926 " " (NM)
- NN ✓ 1♂ (601h) " " 28 Dec 1942 " " (NM)
- 3P ✓ spec (1) Whaka S.F., 24 Dec 1959, L.W. Newman (FRI) (returned Sep '69)
- BP ✓ 1 spec (3) " " 18 Nov 1959, C. Martin (FRI) (" " " ")
- BP ✓ TO♀ (2) FRI, Rotorua 19 Dec 1960 L.W. Newman (FRI)
- 3P ✓ 2♂ (4) Paengaroa Highway May 1961, R.H. Milligan **REARED** from *Litsea calicaris* bark (FRI) ^{→ Lauraceae}
- BP ✓ 2♀ (5,7) " " " " " " " " (FRI)
- BP ✓ 1♀ (FRI 3) Whakarawarua 27 Dec 1958 no other data (FRI)
- BP ✓ 1♂ (FRI 4) " " " " 19 Feb 1958 " " (FRI) DRAWN D. Helmore 31.7.78
- BP ✓ 1♀ (FRI 5) " " " " 10 Dec 1957 " " (FRI)

Hoplortaphus spinifer (Sharp 1876)

- CL ✓ 1 prob ♂, Tairua Brown (BM)
- ND ✓ 1 prob ♀ ^(on Kaipara Harbour) Paparoa, Brown (BM)
- ND ✓ 1 prob ♂ Paparoa Brown (BM)
- ~~ND~~ ✓ 1 prob ♀ Boatmans, Reeflon, (BM)
- AK ✓ 1 prob ♂ Waitakere, Dec 1908 Brown (BM)

Total specs examined ~~52~~⁵³ (AM, BM, ED, FRI, NM).

SEASONAL DISTRIBUTION. October - February, May

LOCALITIES: North I. (~~ND~~, CL, AK, WO, BP, WN); South I. (BR, ~~BR~~)^{2 records} and Chatham Is. (Chatham I.)^{incl. Little Barrier}

ALTITUDINAL DIST. - Sea level to unspecified altitude ^{the} ~~in~~ ^{Ra} ~~the~~ ^{Co} ~~the~~ ^{Com} ~~the~~ ^{mandel} ~~the~~ ^{ra} ~~the~~ ^{is} ~~the~~ ^{lands}.
 - definitely a lowland species. (~~2740'~~^{2740'})
 (~~835m~~^{835m})

HOST PLANTS & ASSOCNS. Reared from ~~the~~ bark of Litsea calicaris (Lauraceae); rotten wood; ~~collected on~~ dead Myrsine chathamica (Myrsinaceae).

~~Most records~~
 Northernmost record Parua Bay (Whangarei), ND; southernmost record, Boatmans (Reeflon), BR. Also from Chatham Is.

- CL ✓ 1♂, 1♀ Coromandel Ra 14-20 Feb 1934, C.E. Clarke (BMNH)
- WO ✓ 1♂ 1♀ 16 Nov 41, & 14 Nov 43, Waitomo, C.E. Clarke (BMNH)

Isanthribus

SPECS EXAM (2)

Isanthribus dracophylli

NN 1♀ [Holotype] ^{dead, decaying branches coll} Mt Domett 1250 m 12 Dec 1971, J.S. Dugdale, reared from
dead Dracophyllum traversii W 71/15, adult emerged
21 ~~3~~ Mar 1973.

Specimens examined: Holotype ♀ (NZAC)

Distribution: South Island (NN); 1250 ~~1250~~ m.

Seasonality

Plant Associations: Reared from Dracophyllum traversii

(Epacridaceae)

$l = 3.9 \text{ mm}$

$w = 1.8 \text{ mm}$

Isanthribus phormii

- BR ✓ 8 ♂, 4 ♀, Tauranga Bay, Westport, 27 Jan 1971, B.A. Holloway, beaten Phormium tenax (NZAC)
- BR ✓ 1 ♂ (Holotype) (NZAC)
- NN ✓ 4 ♂ 1 ♀, Kohika River, 30 May 1963, B.A. Holloway beaten Phorm. tenax (NZAC)
- NN ✓ 4 ♂ 5 ♀, - - - - - G. Kuschel (NZAC)
- NN ✓ 6 ♂, Oparara River, 13-19 Nov 1957, J.I. Townsend (NZAC)
- NN ✓ 2 specs Oparara, - - - - - E.S. Gourlay (NZAC)
- NN ✓ 1 ♂, Mangarakau, 11 Jan 1966, A.K. Walker (NZAC)
- BR ✓ 1 ♀, Punakaiki, 21 Jan 1935, E.S. Gourlay (NZAC)
- WD ✓ 1 ♂, Bruce Bay, 24 Feb 1966, G. Kuschel, dead leaves Phormium tenax (NZAC)
- NN ✓ 1 spec. Aniseed Valley, 29 Dec 1935, E.S. Gourlay (NZAC)
- NN ✓ 1 ♂, ^{ca. 2000'} Canaan, 17 Feb 1965, J.I. Townsend (NZAC)
- NN ✓ 2 specs Cawthron Park, 26 Feb 1949, E.S. Gourlay (NZAC)

Specimens examined: Holotype ♂, ²⁵ ~~26~~ ♂ (paratypes), 11 ♀ (paratypes)
 3 specimens (paratypes) = 42 total. (NZAC)

Distribution: South Island (~~North~~ NN, BR, WD) s.l. - 2000'
 northernmost record: Mangarakau; NN; southernmost record: Bruce Bay, WD
 Seasonality: Nov - Feb, May.

Plant Associations: Has not been reared but adults have ~~frequently~~ been collected ~~frequently~~ in considerable numbers from dead leaf bases of Phormium (Agavaceae). Fragments of fungal fructifications and hyphae, and spores of ~~Asanth~~ Anthostomella sp (c.f. tomicum) (Ascomycetes: Xylariaceae) have been found in the hindgut of dissected specimens.

2000
 .305

 60000
 610000

Isanthribus proximus

- NN ✓ 1♀ Puramahoi, Collingwood, 26 Oct 1965, J.I. Townsend (NZAC)
- NN ✓ 3♂, 1♀ Spooners Pa, 1800', 18 Mar 1966 (NZAC) on Hebe parviflora
- NN ✓ 1♂ " " " " " " L.P. Marchant (NZAC) on " "
- NN ✓ 6♂, 1♀ West Haven, 11 Jan 1966 AK Walker (NZAC)
- NN ✓ 6♂, 1♀ Dum Mt., 760m, 6 Feb 1973, J. McBurney (NZAC)
- NN ✓ 2♀ " " 4 April 1966, J.I. Townsend (NZAC)
- NN ✓ 1♀ " " 13 Nov 1961, G. Kuschel (NZAC)
- NN ✓ 1♀ " " 15 Dec 1962 G. Kuschel & B.A. Holloway (NZAC)
- NN - 2♀ " " 2000', Third House, 7 Mar 1972, G. Ramsay, beating (NZAC)
- NN ✓ 1♂, 1♀ Canaan, 18 Apr 1966, J.I. Townsend (NZAC)
- TO ✓ 1♂, 2♀ Whakapapa 3700', 27 Nov 1965, J.I. Townsend, beating, (NZAC)
- RI/TO ✓ 2♀ Ohiakune, 16 Dec 1961, G. Kuschel (NZAC)
- NN ✓ 1♂ Whangamoa Saddle, 23 Sep 1971, J.I. Townsend
- NN ✓ 1♀ " " Trap No. 1, 13 Oct 1966, coll? (NZAC)
- NN ✓ 1♂ " " 1170', 12 Aug 1965, mixed moss under scrubby growth, J.I. Townsend (NZAC)
- NN ✓ 1♀ Whangamoa, 6 Feb 1964 J.I. Townsend, on Neopanax (NZAC)
- NN ✓ 1♂ " Saddle, 1500', 14 Mar 1965, J.I. Townsend, Hebe stricta (NZAC)
- TO ✓ 1♂ Chateau Ruapehu, 18 Feb 1965, 3700', G. Kuschel (NZAC)
- BR ✓ 1♂ Lewis Pass, 18-24 Nov 1961, G. Kuschel (NZAC)
- NN ✓ 2♂, 2♀ Upper Maitai, 3 Mar 1935, E.S. Gourlay (NZAC)
- WD ✓ 2♂ Lake lanthe, 18 Jan 1957, E.S. Gourlay (NZAC)
- BR ✓ 2♂ Grey mouth, 19-21 Jan 1957 E.S. Gourlay (NZAC)
- WO ✓ 1♂ Mt Pirongia, 2500', 23 Sep 1964, G. Kuschel, Litter, (NZAC)
- NN ✓ 1♂ L. Rotoiti, 2 Jan 1935, E.S. Gourlay. (NZAC)
- NN ✓ 1♀ Nelson, 28 Nov 1941, ES Gourlay (NZAC)
- BR ✓ 1♂, 1♀ Head of L. Rotoiti, 10 Oct 1964, AK Walker (NZAC)
- BR ✓ 1♀ L. Rotoiti 29 Oct 1964, G. Kuschel (NZAC)
- SD ✓ 2♀ Elie Bay, 11 Nov 1949, E.S. Gourlay (NZAC)
- SD ✓ 1♀ Ronga Saddle, Nelson, 5 Dec 1967 (NZAC) J.I. Townsend & G.F. Wood
- NN ✓ 1♂ Third House, Dun Mt., 30 Jan 1943 Weinmannia racemosa, coll? (NZAC)
- BR ✓ 1♂ Rapahoe, 20 Jan 1957, ES Gourlay (NZAC)
- TO ✓ 1♂ Raurimu, Tongariro, 21 Nov 1965, 2500', J.I. Townsend (NZAC)
- TO ✓ 1♂ Erua, 16 Dec 1961, G. Kuschel (NZAC)
- BR ✓ 1♂ Capleston 21-22 Jan 1957, ES Gourlay (NZAC)
- NN ✓ 1♂, 1♀ Dun Mt, 2000', 10 Jun 1925, W. High Highway (NZAC)
- NN ✓ 1♂, 2♀ Third House, Dun Track, 550m, 8 Mar 1972, G. Kuschel (NZAC)
- BR ✓ 1♀ Fletchers Creek, 7 Mar 1972, beating Pinus radiata BFUP (NZAC)
- SD ✓ 1♀ Foot of Mt Stokes, Kenepuru Sd., 10 Oct 1967, J.I. Townsend, beating (NZAC)
- NN ✓ 1♂ Whangamoa Saddle, 13 Jan 1963, BA Holloway (NZAC)
- NN ✓ 1♂ Canaan 2800', 28 Nov 1964, G. Kuschel (NZAC)
- BR ✓ 1♂ Mawhera S.F., 8 Mar 1972, Pinus radiata BFUP (NZAC)
- G-B ✓ 1♀ Aniwanuiwa, Waikaremoana, 9-16 Mar 1969, H. Oliver, Malaise Trap (NZAC)

Isanthribus proximus

- BR ✓ 1♂ Fletchers Creek, 7 Mar 1972, beating P. radiata BFUP (NZAC)
- WN ✓ 1♀ Silverstream, 18 Dec 1913, A.C. O'Connor (NZAC)
- NN ✓ 1♂ Seddonville, 8 Oct 1969, J.I. Townsend, at night (NZAC)
- NN ✓ 1♀ Kaituna River, Collingwood, 5 Nov 1938, E.S. Gourlay (NZAC)
- TO ✓ 1♂ Ohinekuku Ahimanawa Ra, 14 Jan 1972, G. Ramsay, litter (NZAC)
- AK ✓ 1♂ Swanson, AK, 18 Dec 1958, J.C. Watt, beaten Geniosoma (NZAC)
- BR ✓ 1♂ Flowers Creek, Capetown, 20 Apr 1972, J. McBurney (BFUP) (NZAC)
- NN ✓ 1♂ Karamea Bluff, 5 Mar 1949, A.E. Brookes (NZAC)
- TO ✓ 2♂ 1♀ ~~Erua~~ Erua, Jan 1911, T. Brown (NZAC) (labelled Sylvanus Brown var.)
- NN ✓ 2♂ Canaan 2000', 17-26 Jan 1949, A.E. Brookes (NZAC)
- NN ✓ 1♀ Awarua Bay, Takaka, 2-7 Feb 1949 . . . (NZAC)
- MC ✓ 1♀ Moa Basin near Methven, 20 Oct 1913, T. Hall (NZAC)
- AK ✓ 1♀ Swanson, AK, 14 Dec 1916, A.E. Brookes (NZAC)
- NN ✓ 1♀ Aorere V., Bainham, 10-18 Dec 1949 A.E. Brookes (NZAC)
- NN ✓ 1♀ Pigeon Sdle, Takaka, 1 Feb 1949 . . . (NZAC)
- NN ✓ 1♀ Onekaka Nelson, 17 Feb 1949, . . . (NZAC)
- TK ✓ 1♂ Mt Egmont, ex Brown Collⁿ, no date (NZAC)
- TK ✓ 1♀ Midhurst, Taranaki, Mar 1914, Miss G. Brookes (NZAC)
- NN ✓ 1♂ Dun Mt, Nelson, 2000', 25 Jan 1931, E.S. Gourlay (NZAC)
- BR ✓ 1♀ Inangahua, 23 Jan 1957, E.S. Gourlay (NZAC)
- NN ✓ 1♀ Canaan, 2000', 17-26 Jan 1949 A.E. Brookes (NZAC) [cct Type proximus]
- 1♂ no date, no loc., ex Brown Collⁿ, [cct sylvanus] (NZAC)
- BP 1♂ ✓ Motu River 5 May 1929 coll? (NZAC)
- NN ✓ 1♀ Maitai V., 22 Nov 1957 J.I. Townsend (NZAC)
- NN ✓ 1♀ Whangamoa Sdle, 13 Feb 1963, G. Kuschel (NZAC)
- 1♂ no loc or date ex Brown Coll, Eug. proximus Paralectotype (NZAC)
- WN 2♂ ✓ Upper Hutt 9 Dec 1913, A.C. O'Connor (NMNZ)
- WN 2♂ 1♀ Silverstream 25 Oct 1920 coll? (NMNZ)
- NN ✓ 1♀ Dun Mt, Nelson Apr 1917 ~~at~~ A.C. O'Connor (NMNZ)
- NN ✓ 1♀ " " 23 Feb 1917, off totara . . . (NMNZ)
- WN ✓ 1♀ Silverstream 15 Oct 1911, A.C. O'Connor (NMNZ)
- NN ✓ 1♀ Dun Mt 9 Jan 1909 A.C. O'Connor (NMNZ)
- WN ✓ 1♀ Mt Denham 21 Jan 1909 . . . (NMNZ)
- NN ✓ 1♀ Dun Mt 23 Feb 1917 . . . (NMNZ)
- NN ✓ 1♀ " " Apr 1917 . . . (NMNZ)
- NN 1♂ 1♀ " " Apr 1917 . . . (NMNZ)
- WN 1♂ ✓ Silverstream 31 Jan 1909 . . . (NMNZ)
- WN 1♂ ✓ " 19 Feb 1911 . . . (NMNZ)
- WN ✓ 1♀ " 15 Oct 1911 . . . (NMNZ)
- WN ✓ 1♀ (809a) Moonshine, 21 Jan 1917 A.C. O'Connor (NMNZ)
- SD ✓ 1♀ (809b) Picton, Dec 1917, G.V. Hudson (NMNZ)
- WN ✓ 1♀ (809c) Silverstream, 14 Oct 1903, G.V. Hudson (NMNZ)

Isanthribus proximus

- WN 1♂ ✓ (809d) Gollans Valley, 1 Feb 1924, G U Hudson (NMNZ)
- WN 1♂ ✓ (809e) Upper Gollans Valley, 3 Feb 1925 . . . (NMNZ)
- WN 1♀ (809f) Gollans Valley 3 Feb 1925 . . . (NMNZ)
- WN 1♀ (809g) " " 3 Feb 1925 . . . (NMNZ)
- 3♂, 5♀ (809hnpklm) no details Hudson (NMNZ)
- WN 4♂, 3♀ (809q) Kaitoke, 17 Feb 1941 G U Hudson (NMNZ)
- WN 1♂ (1056a) Waiuicomata Dec 1919 . . . (NMNZ)
- TO 2♂, 2♀ (1056 b, c, d, g) Whakapapa, Ruapehu, Jan 1922 G U Hudson (NMNZ)
- SD 1♂ (1056h) Picton 14 Nov 1933 G U Hudson (NMNZ)
- WD 4♂, 1♀ (1056kl) Waikato ~~Gorge~~ River, 21 Jan 1938 G U Hudson (NMNZ)
- WN 4♂ (1056mnop) Kaitoke, 17 Feb 1941 G. U. Hudson (NMNZ)
- 1♂ no data except "977" + "Eugonissus proximus in Br. HW" (UCNZ)
- BP 1 spec (247) Kaingaroa S.F. 25 Sep 1960, G B Rawlings (FRNZ) Ret Sep 69
- BP 1 spec (250) Rotorua A.E Marsack, 18 Oct 1960 (FRNZ) Ret Sep 69.
- BP 1♀ (248) Rotorua, FRI., C. Martin, Feb 1960, on foliage Drawn D. Helmore 20/5/80 (NZAC)
- TO 1♂ (249) S.F. 90, E. Taupo, R.H. Milligan em 3 Dec 1958 REARED Nothof. fusca (FRNZ)
- BP 1♀ (251) Rotorua, A.E. Marsack 18 Oct 1960 (FRNZ)
- MK 3♀ (252), Hopkins S.F., Lake Ohau, 29 Mar 1960, R.J. McKenzie (FRNZ)
- NN 1♀ (254) Golden Downs S.F., W A Holloway 19 Feb 1964 (FRNZ)
- BP 1♂ (253) Mangorewa Gorge 22 Jan 1949, N.M Wilson (FRNZ)
- DN 5♂, 6♀ (FRI 62-68, 70-73) Dunedin March 1949, N.M. Wilson (FRNZ)
- DN 1♂ (FRI 9) Dunedin March 1949, N.M. Wilson (FRNZ)
- BP 1♀ (FRI 113) Kaingaroa S.F., 28 Sep 1959 D. Bartram (FRNZ)
- NN 1♂ (FRI 114) Golden Downs S.F. 30 Sep 1958 J.G. R McBurney (FRNZ)
- AK 1♀ (FRI 144) Riverhead S.F., Oct 1956, R.P. de Lautour (FRNZ)
- NN 1♂ (FRI 175) Golden Downs S.F. 30 Sep 1958 J.G. R. McBurney (FRNZ)
- BP 2♂, 1♀ (FRI 183) Kaingaroa S.F. 25 Sep 1957, N.O. Seccombe (FRNZ)
- 1♂ (FRI 230) no details (FRNZ)
- 1♂ (FRI 234) . . . (FRNZ)
- CL 1 spec ~~Ho~~ Lectotype proximus Tairua, Brown (BMNH) Type label affix Dec '64, BBAH
- CL 1 spec Paralectotype . . . (BMNH)
- CL 1 spec Paralectotype " " " " (NZAC)
- TO 1 spec Lectotype sylvanus Waimarino Brown Jan 1910, 2700' (BMNH) Type label aff. Dec 64 BBAH
- TO 1 " Paralectotype " " " " (BMNH)
- WN 1 spec Paralectotype " Silverstream A.O'Connor (BMNH)
- MC 1 spec Nothofagus 600m, 28 Sep 1913 Brown Collⁿ (BMNH)
- NN 2♂ Dun Mt, 6 Feb 1973, BA Holloway (NZAC)
- BRL 1♂ Fletchers Creel, 800m, 28 Jan 1972, J. Mc Burney (BFUP) (NZAC)
- WN 1♂ Tararua Forest Park, Kakanui, 792 m, 9 Mar 78, J.S. Dugdale Nothofagus (NZAC)
- WD 1 spec. Otira Gorge, 625m, 21 Jan 1975, A.P. Pernet, maleise traps (PM Johns Collⁿ)
- MC 1 spec. Faughill Stream, Wilberforce Valley, 27 Oct 1972, Noth. cliffortioides (PM Johns Collⁿ)
- WN 5 spec. Wellington (Kaitoke, Willms B.) 1941, G U Hudson (BMNH)
- 1 spec NZ 1928 C E Clarke (BMNH)
- TO 1 spec Erua pre 1957 C E Clarke (BMNH)

Isanthribus proximus

Total examined: ¹⁰¹ ~~97~~ ♂, ⁸⁸ ~~88~~ ♀, ⁵ ~~5~~ specs. (BMNH, FRNZ, NMNZ, NZAC, UCNZ)

Localities: North Island (AK, ^{CL,} WO, BP, GB, TO, ~~RI,~~ TK, TO/RI, WN) and South Island (NN, SD, BR, WD, MC, MK, DN); sea level to 1128 m. Northernmost record: Riverhead, AK; southernmost record: Dunedin, DN.

Seasonality: Jan - June, August - December

Plant Associations: It has been reared from Nothofagus fusca (Fagaceae). Adults have been beaten from several species of Hebe (Scrophulariaceae) and from Pinus radiata (Pinaceae). Fragments of fungal fructifications and two kinds of dark-walled dictyoconidia have been found in the hindgut of dissected specimens.

Lawsonia variabilis Sharp 1873

SD	✓	1♂	Durville I., 14 Apr 1941, E.S. Gounley (NZAC)
BP	✓	1♂	Kaimai Ra, Okauia Matamata, 28 Dec 1947, A.E. Brookes (NZAC)
WN	✓	1♂	Titahi Bay, Nov 1909, A.C. O'Connor (NZAC)
SD	✓	1♂	Ship Cove, 27-30 Jan 1972, G. Kuschel (NZAC)
WI	✓	2♂, 1♀	Feilding 19 Dec 1956, R.M. Bull, Beaten shrubs (NZAC)
WN	✓	1♂	Waikaree, 5 Dec 1916, coll? (NZAC)
NN	✓	3♂	Kaihoka lakes, 10 Jan 1966, A.K. Walker (NZAC)
ND	✓	1♂, 1♀	Unuwaho 1000, Spinks Bay, 18 Jan 1966, A.K. Walker (NZAC)
AK	✓	1♀	Grafton Gully, Auckland, 8 Sep 1951, D. Spiller (NZAC)
AK	✓	4♂, 3♀	Kare Kare, Feb 1916, A.E. Brookes (NZAC)
AK	✓	1♀	Titirangi, 20 Oct 1916, A.E. Brookes (NZAC)
AK	✓	2♀	Waiwera, 26 Dec 1914, " " (NZAC)
BP	✓	1♂	Okauia, Matamata, 22 Jan 1921, A.E. Brookes (NZAC)
WI	✓	3♂, 4♀	Totara Reserve, Manawatu, 18 Dec 1948, A.E. Brookes (NZAC)
NN	✓	2♂	Pigeon ^{Evally} Saddle, Nelson, 1 Feb 1949 coll? (NZAC)
AK	✓	1♀	Swanson, 5 Dec 1916, T. Brown Dup Coll (NZAC)
BP	✓	1♀	Okauia, Matamata, Dec 1924, A.E. Brookes (NZAC)
"		1♂, 1♀	" " 28 Dec 1947 " " (NZAC)
"		2♂	" " 23 Jan 1927 coll? (NZAC)
"		1♀	" " 19 Nov 1922 coll? (NZAC)
"		1♀	" " 5 Dec 1920 coll? (NZAC)
WN	✓	1♀	Ballance ^{Ballance} Bridge Reserve, Manawatu, 19 Dec 1948, coll? (NZAC)
WN	✓	1♀	Titahi Bay, Nov 1909, A.C. O'Connor (NZAC)
WN	✓	1♀	Wellington 21 Feb 1909 coll? (NZAC)
SD	✓	1♀	D'Urville I., Oct 1952, A.C. O'Connor (NZAC)
WN	✓	1♀	Wellington, n.d. (NZAC)
WN	✓	1♂	Wellington, Orongorongo V., 21 Jan 1962, C. + G. Laurie (NZAC)
—		1♂, 1♀	no locality, date, Wakefield Coll ⁿ (CMNZ)
WN	✓	4♂, 3♀	Wellington, no date, Wakefield Coll ⁿ (CMNZ)
WN	✓	2♂	" 2/75 [? Feb 1875] Wakefield Coll ⁿ (CMNZ)
AK	✓	1♂, 2♀	C.B. Auckland, no date, Wakefield Coll ⁿ (CMNZ)
CL	✓	1♂, 1♀	Tairua, Brown, Wakefield Coll ⁿ (CMNZ)
WN	✓	1♂, 1♀	Willtons Bush, 30 Dec 1937, S. Lindsay (CMNZ)
—		1♂, 3♀	no data except #979, <u>Exilis variabilis</u> + <u>E. lawsoni</u> (UCNZ)
WD	✓	1♂	Waitomo, 16 Nov 1941, coll? [Probably Clarke] (AMNZ)
—		7♂, 9♀	no data (NMNZ)
WN	✓	2♂	Titahi Bay, 1 Jan 1909, A.C. O'Connor (NMNZ)
WN	✓	3♂	K Korokoro 6 Dec 1915 H.H. (NMNZ)
WN	✓	1♂	Silverstream Dec 1907 A.C. O'Connor (NMNZ)
WN	✓	1♂	" " Jan 1908 " " (NMNZ)
ND	✓	1♂, 1♀	Hautu ME, N.Auck. 12 Mar 1927 E. Fairburn (NMNZ)
ND	✓	1♀	" " 9 Apr 1928 " " (NMNZ)

Lawsonia variabilis Sharp 1873

- SD ✓ 1♂, Stephens I., 20 Sep 1916 coll? (NMNZ)
- WN ✓ 2♂ (392 n, l) Wiltons Bush, 23 Feb 1939, G.V. Hudson (NMNZ)
- WN ✓ 1♂ (392 e) Wainuiomata, Dec 1916 G.U. Hudson (NMNZ)
- WN ✓ 1♂ (392 f) Wadestown, 18 Feb 1917 (NMNZ)
- WN ✓ 1♂ (392 g) Porirua, 30 Nov 1917 (NMNZ)
- WN ✓ 1♂ (392 k) Wiltons Bush, 4 Feb 1923 (NMNZ)
- WN ✓ 1♂ Titahi Bay, 1 Nov 1908, A.C. O'Connor (NMNZ)
- 2♂ Wellington n.o.d. (NMNZ)
- ✓ 1♀ " G.V. Hudson, no date (NMNZ)
- 1♀ Korokoro, H.H. (NMNZ)
- ✓ 5♀ Wellington n.o.d. (NMNZ)
- 2♀ Korokoro, 6 Dec 1915 H.H.
- ✓ 2♀ Titahi Bay, 20 Dec 1908 AC O'Connor (NMNZ)
- 1♀ Haywards 16 Dec 1944, G.V. Hudson (NMNZ)
- ✓ 1♀ ~~Bush~~ (200h) Bush Hill, Karori, 11 Nov 1920 G.V. Hudson (NMNZ)
- ✓ 1♀ (200 k) South Karori, 3 Dec 1920, G.V. Hudson (NMNZ)
- ✓ 1♀ (200 l) Porirua Bush 9 Dec 1920, (NMNZ)
- ✓ 3♀ (200 m, n, p) Wiltons Bush 13 Feb 1924, (NMNZ)
- 1♀ (200 q) Makara Bush 17 Mar 1926 (NMNZ)
- ✓ 1♀ (200 c) Campbells Hill Bush, Feb 1909 (NMNZ)
- 1♀ (200 a) Botanical Gardens, Wgton, 4 Jan 1887 (NMNZ)
- ✓ 1♀ (200 e) Campbells Hill Bush 4 Mar 1917 (NMNZ)
- AK ✓ 1♂ Auckland, Brown Collⁿ (BMNH)
- ✓ 1♂ no data Brown Collⁿ (BMNH)
- AK 1♀ Auckland " " (BMNH)
- AK ✓ 2♀ Karekare " " (BMNH) 22 Feb 1916
- WN ✓ 1♀ Karori " " 6 Apr 1918 (BMNH)
- AK ✓ 1♀ Karekare 23 Feb 1916, Brown Collⁿ (BMNH)
- ? 2♀ Kerikeri [? Karekare] 22 Feb 1916, Brown Collⁿ (BMNH)
- WI ✓ 1♀ Grasslands, Palm. N., 9 Jan 1957, J.I. Townsend (NZAC)
- TK ✓ 1♀ Meremere, Taranaki, 20 Jan 1957 (NZAC)
- AK ✓ 1♂, 1♀ Lynfield, 16 Nov 1980, on Parsonsia, G. Kuschel (NZAC)
- AK ✓ 1♂ " 16 Aug 1980, on Muehlenbeckia complexa (cut stems) G. Kuschel (NZAC)
- AK ✓ 1♀ " 8 Mar 1980 on Parsonsia, G. Kuschel
- WN ✓ 1♂ Balance Bridge Reserve, Manawatu Gorge, 14 Jan 1957, J.I. [Townsend] (NZAC)
- WN ✓ 1♂ Tiritea Road, Manawatu, 15 Jan 1957, J.I. T[ownsend] (NZAC)
- AK — 1♀ Cornwall Park, Aug 1978, SM. Reed nest 78/183, Zosterops lateralis (NZAC)
- AK ✓ 2♂ 3♀ Noisels, Motuhoropape I. 17-20 Feb 1978, J.S. Dugdale (NZAC)
- AK : 1♀ " " 15 Dec 1977, J.C. Watt (NZAC)
- AK 1♂ " " 20 Aug 1978 G. Ramsay (NZAC)
- AK 1♂ " " 15 Jan 1978 LL Deitz (NZAC)
- AK 1♂ " " 23-27 Feb 1979, Cleary + Tocker (NZAC)

Lawsonia variabilis Sharp 1873

Total examined: ~~247~~ 117♂, 137♀
~~478~~ (AMNZ, BMNH, CMNZ, NMNZ, NZAC, UCNZ).

Distribution: Three Kings Is (Great I., South West I.), North Island (Northland including Poor Knights Is, ~~Auckland~~ and Chicken Is, Auckland, Coromandel including Mercury Is, Waikato, Bay of Plenty, ~~Rangit~~ Wanganui, Wellington) and South Island (Nelson, Marlborough Sounds including Stephens I. & D'Urville I.) from m sea level to 305 m. Northernmost record: Three Kings Is; Southernmost record: Pigeon Valley, NN. ~~McLauri Valley,~~

Seasonal Records: ^{August} September - June.

Host Plants: Has not been reared. Adults have been collected in leaf litter & beaten from a variety of native trees and shrubs. Larvae probably develop in ~~stems~~ of dying Parsonsia sp. ~~collected in~~ large numbers of adults have been collected on recently cut stems of this plant.

Additional spec exam

AK 20♂, 20♀ Auckland (OMNZ)

— 20♂, 20♀ no locality (OMNZ)

— 10♂ ~~no~~ New Zealand Pascoe Coll (BMNH)

WN 70♂ 70♀ Wellington (Gollans, Willsons, Karori, Korokoro) 1940, G V Hudson (BMNH)

WO 20♂ 20♀ Waitomo, pre 1957, C F Clarke (BMNH)

AK 40♂ 60♀ Penrose etc. pre 1913, H Swale (BMNH)

AK 10♂ ~~no~~ Auckland pre 1905 Fry Coll² (BMNH)

WN 60♂ 10♀ Wellington (Korokoro, Willsons, Makara) 1940-41, G V Hudson (BMNH)

Lichenobius littoralis Holloway

S.I. Big South Cape I.

- 45 ♂, 7 ♀, Feb 1969, BA Kuschel, lichen at spray zone Hol. + P/Ts (ED)
 - 33 ♂, 32 ♀ " " J.I. Townsend " " " " " " P/T (ED)
 - 4 ♂, 4 ♀ 9 Feb 1969 BA Kuschel " " " " " " P/T (ED)
 - 10 ♂, 14 Feb 1969 " " " " " " (ED)
 - 18 ♂, 1 ♀ 10 Feb 1969 J.I. Townsend " " " " " " (ED)
 - 10 ♂, Feb 1969, coll? lichen at spray zone P/T (ED)
 - 3 ♂ (NE Long I.) 20 Nov 1968, J.S. Dugdale, ex white lichen P/T (ED) (PREPARE)
- emv. 12²¹ Dec 1968

Snares I.

- 10 ♂, 7 ♀, Biological Station, 7 Mar 1971, Carol J. Horning, under crustose lichen in supralittoral sea spray zone (ED)
 - 1 ♂, Biol. Stⁿ, 19 Jan 1971, ~~DS~~ Horning (ED)
 - 1 ♂ " " 20 " " " DS Horning (ED)
 - 5 ♂ 2 ♀, Station Pt, 4 Jan 1967, P.M. Johns, supralittoral lichens P/T (ED)
- SEE NEXT PAGE FOR ADDITIONAL SPECIMENS.

Total specs examined ~~278~~ ²⁷⁸ (AM ~~BM~~, BM, BPBM, CM, ED, NM) ₂₆₁

Localities Big South Cape I, S.I. and Snares I. at s.l.

Seasonal Records ~~Jan-Mar~~ Nov-March, August

Plant Associations Larvae + adults ~~occur~~ live on ^{crustose} lichens in the spray zone, the dominant ^{lichen} species being green *Pertusaria graphica* (Holloway, 1970). Fragments of ^{both} tissue + of fungal fructifications, ^{presumably} from ~~the~~ lichens, but ^{found} no spores were ~~present~~ in gut contents of adults.

REMARKS:

TYPE-MATERIAL: Holotype ♂ (), ♀ + 188 paratypes in (ED); paratypes in AM, BM, BPBM, CM, NM)

Lichenobius littoralis Holloway

SNARES I cont.

- 29 ♂, 12 ♀, Station Pt, 22 Dec 1972, D.S. Horning, on supralittoral lichens (ED)
- 1 ♂ - Skua Pt, 25 Aug 1972, D.S. Horning, under loose Pentusaria graphica (ED)
- 1 ♂ Seal Cove, 22 Dec 1972, D.S. Horning, on Pentusaria graphica (ED)
- 1 ♀ Skua Pt, 21 Nov 1972 on lichen (ED)
- 1 ♀ Station Pt, 8 Dec 1972 on Pentusaria graphica (ED)
- 4 ♂, 4 ♀, " 22 Dec, D.S. Horning, supralittoral lichens (ED)
- 2 ♂, 3 ♀ Seal Cove, Snares Is, 30-31 Dec 1976, on lichen-covered rocks around supralittoral rock pool, J.W. Early (ED)

Lichenobius maritimus n sp.

Bounty Is. only

1 ♂, 1 ♀ (Holt + para.) Proclamation I., Bounty Is., 17 Nov 1978, D.S. Horning, on vertical rock in small cracks with short dry green algae BITC 37 (NMNZ)

Lichenobius silvicola Holloway 1970

All from Chatham Is.

Chatham I. 5 ♂, 3 ♀ ^(incl ♂ holotype), Awatotara, 23 Feb 1967, G. Kuschel ^{Holotype + Paratypes} (ED)
 " " 1 ♀ " " " " ^{Paratype} beaking bushes (ED)
 1 ♂, 1 ♀ " 6-9 Feb 1967 G. Kuschel ^{Paratypes} beaking 606' (ED)
 1 ♀ " 21-23 Feb 1967 " ^{Paratype} (ED)

Mangere I. 1 ♂ 17 Nov 1970, J. I. Townsend 60m (ED)

Pitt I. (S.E. end) 2 ♀ 2 Mar 1967 G. Kuschel ^{Paratypes} (ED)Pitt I. 1 ♀, Bluff Str, em 11 Oct 1967 ex Macropiper excelsa stems coll
28 Feb 1967, J. S. Dugdale (ED) REARED

Total specs. examined 16 (ED) (18)
 + 2 paratypes (BM + NM)

Localities Chatham Is (Chatham I., Mangere I., Pitt I.)Altitudinal Records: approx sea level to 185m.Seasonal Records: Oct, Nov, Feb, March.

Has been

(Piperaceae)

Plant Associations; Reared from stem of Macropiper excelsum ~~with~~ larvae ~~was~~ have been found boring in the outer bark of live branches of Corokia macrocarpa (Cornaceae), Hymenanthera chathamica (Violaceae), Macropiper excelsum (Piperaceae), Myrsine chathamica (Myrsinaceae), Plagianthus betulina var. chathamica ^(Malvaceae) ~~and~~ and Pseudopanax chathamicum (Araliaceae). It ~~has been~~ ^{was} observed that where larval tunnelling occurred the bark had an ~~thin~~ ^{enjoying film} ~~covering~~ of what ~~afterwards~~ was either a lichen or alga, (Holloway, 1970). Adults have been beaten from mixed bush as far as 3km inland

TYPE MATERIAL: Holotype ♂ (1.85 x 0.87 mm), Awatotara, 23 Feb 1967, G. Kuschel in ED. 14 paratypes in ED, 1 paratype in BM, 1 paratype in NM.

Lirómus

SPECS EXAM ①

Lirómus pardalis Pascoe

- NN 33 ♂, 3 ♀ Roding Valley em 6-13 Nov 1967, em dead branches *Coprosma linearifolia* coll 27 Jul 1967, W 67/71, J.S. Dugdale & J.I. Townsend (NZAC)
- NN ✓ 4 ♀ West Haven, 11 Jan 1966, ~~A.K.~~ A.K. Walker (NZAC)
- NN ✓ 3 ♂, 1 ♀ Mangarakan, 11 Jan 1966 A.K. Walker (NZAC)
- NN ✓ 2 ♂, 1 ♀ Kaihōka lakes 12 Jan 1966 - - - (NZAC)
- NN ✓ 2 ♂ Forewell Spit, - - - (NZAC)
- NN ✓ 1 ♀ Puponga - - - (NZAC)
- CL ✓ 1 ♂, 1 ♀ Tapu Hill, Coromandel, 26 Jan 1960, R. Zondag, J.I. Townsend (NZAC)
- NN ✓ 1 ♀, 1 ♀ Kaituna, Collingwood, 28 Jan 1972 G. Kuschel (NZAC)
- SL ✓ 2 ♂ Colac Bay, Southland, 7 Feb 1965, on *Coprosma* J.I. Townsend (NZAC)
- SL ✓ 1 ♂ Orepuki, " 450' 7 Feb 1965, J.I. Townsend (NZAC)
- DN ✓ 1 ♂, 1 ♀ Waipori Falls, 1000', G. Kuschel, J.I. Townsend, 19 Jan 1965 (NZAC)
- BP ✓ 1 ♀ Blue Lake, Rotorua, 23 Jan 1960, R. Zondag, J.I. Townsend (NZAC)
- BR ✓ 1 ♂, 3 ♀ Greymouth, 19-21 Jan 1957, E.S. Gourlay (NZAC) one ♀ drawn by D. Helmore 27.7.79
- BR ✓ 3 ♀ " 28 Jan 1935, - - - (NZAC)
- NN ✓ 1 ♂ Dun Mt 500m, 18 Jan 1972, G. Kuschel (NZAC)
- NN ✓ 1 ♀ Whangamoa 24 Mar 1965, J.I. Townsend, on *Pittosporum* (NZAC)
- NN ✓ 1 ♂ Aniseed Valley, 14 Jan 1976, beating *Noth. memmesii*, A.K. Walker (NZAC)
- NN ✓ 1 ♂ " " 29 Dec 1935 E.S. Gourlay (NZAC)
- SL ✓ 1 ♀ Tisbury 8 Jan 1917 (NZAC)
- NN ✓ 2 ♀ Canaan, 2000', 23 Jan 1949 A.E. Brookes (NZAC)
- NN ✓ 2 ♀ Pigeon Saddle, Takaka, 1 Feb 1949 - - - (NZAC)
- AK ✓ 1 ♂ Waitake Ra, 31 Dec 1914, A.E. Brookes (NZAC)
- NN ✓ 1 ♀ Whangapeka Valley, 3 Feb 1935, E.S. Gourlay (NZAC)
- TO ✓ 1 ♂ Ohakeine 1 Jan 1917, A.E. Brookes (NZAC)
- BP ✓ 1 ♂ Kaimai Ra, Matamata, 3 Jan 1948, A.E. Brookes (NZAC)
- BP ✓ 2 ♂ Kaimai Auckland 8 Feb 1946, coll. ? (NZAC)
- WN ✓ 1 ♀ Ballance Reserve, Manawatu Gorge, 11 Jan 1957, J.I. Townsend (NZAC)
- AK ✓ 1 ♂ Waitakere Ra. no date, T. Brown (NZAC)
- ND ✓ 1 ♂ Manaiia-Taurikuna, Whangarei Hds, 6 Dec 1958, K.A.J. Wise (NZAC)
- 1 ♂ no data, Brown Collⁿ (NZAC)
- OL ✓ 1 ♀ Kingston 30 Jan 1914, T. Brown / A.E. Brookes Collⁿ (NZAC)
- AK ✓ 1 ♂ Tihirangi 30 Nov 1913 T. Brown Collⁿ (NZAC)
- 1 ♂ no data, T. Brown Dup. Collⁿ (NZAC)
- AK ✓ 1 ♂ Waitheke Isld 17 Jan 1943, G. Chamberlain (NZAC)
- AK ✓ 1 ♂ Nihotupu, Auckland, 2 Jan 1950, R. Harrison (NZAC)
- WN ✓ 1 ♂ Titahi Bay, 12 Jan 1910, A.C. O'Connor (NZAC)
- 3 ♀ no data, (NMNZ)
- CL ✓ 1 ♀ Little Barrier I. 29 Dec 1931 - 10 Jan 1932, A.E. Brookes (NMNZ)
- WN ✓ 1 ♂ Wellington, G.V. Hudson (NMNZ)
- WN ✓ 1 ♂ Waiopēhu Reserve, Levin, 31 Dec 1962, R.G. Ordish (NMNZ)
- NN ✓ 1 ♀ Silverstream, 31 Jan 1909, A.C. O'Connor (NMNZ)

hironus pardalis

- WN 10[♂] ✓ Titahi Bay, 2 Jan 1910, A.C. O'Connor (NMNZ)
- MC 10[♂] ✓ Pices Bush, 31 Jan 1943, C. Lindsay (CMNZ)
- MC 10[♂] " " 29 Jan 1938 S Lindsay (CMNZ)
- 1♀ no data except "981" + Araecerus pardalis in Brown HW (UCNZ)
- 1♀ no data. except. Gouletsp idem (UCNZ)
- BP ✓ 50[♂] 2♀ (276) F.R.I. Rotorua REARED 2 Sep 1958 ex Coprosma robusta R.H. Milligan (FRNZ)
- BP 10[♂] (274) " " REARED 2 Sep 195 ex Coprosma robusta " " (FRNZ)
- BP ✓ 1♀ (277) Whaka S.F. REARED Coprosma ?robusta em 3 Nov '58 (FRNZ)
- BR ✓ 1♀ (279) Reefton District, S.F. 92, 28 Jan 1958 L. Newman (FRNZ)
- MC ✓ 1 spec. (275) Mfords Forest, Canterbury 18 Jun 1959 REARED Coprosma sp RMJM'Kaye (FRNZ)
- MC ✓ 1 spec. (278) " " REARED " " (FRNZ)
- WN ✓ 10[♂] (769a) Campbells Hill Bush 13 Feb 1916, G.U. Hudson (NMNZ)
- NN ✓ 10[♂] (769b) Dun Mt. Nelson 3 Jan 1917 " " (NMNZ)
- WN ✓ 10[♂] (769c) Porirua, 6 Feb 1919 " " (NMNZ)
- WN ✓ 1♀ (769d) Reservoir Res. Karori 14 Feb 1919 " " (NMNZ)
- NN ✓ 1♀ (769e) Takaka 9 Jan 1920 " " (NMNZ)
- WN ✓ 1♀ (769f) Campbells Hill Bush 24 Jan 1924 " " (NMNZ)
- WN ✓ 1♀ (769g) Korokoro, 3 Feb 1922 " " (NMNZ)
- WN ✓ 10[♂] (769h) Gollans Valley, 25 Jan 1939, G.U. Hudson (NMNZ)
- WN ✓ 10[♂] (769k) " " " " (NMNZ)
- WN ✓ 1♀ (769l) " " " " (NMNZ)
- WN ✓ 1♀ (769m) Wiltons Bush, 3 Feb 1939 " " (NMNZ)
- WN ✓ 10[♂] (769n) " " " " (NMNZ)
- WN ✓ 1♀ (769p) " " " " (NMNZ)
- WN ✓ 1♀ (769q) " " " " (NMNZ)
- CL ✓ 1♀ Tairua Brown (BMNH)
- 1♀ no data Brown Collⁿ (BMNH)
- DN ✓ 1♀ Otago Brown Collⁿ (BMNH)
- DN ✓ 1♀ Ross Creek Reservoir 13 Apr 1980, B.P. Barnatt, beaten Polystichum vestitum (Returned to collector)
- WD ✓ 110[♂], 5♀ Hokitika, Mahinapua Res., 26-30 Jan 1978, S.v.J. Peck, Makise trap in Podocarpus bog (NZAC)
- ND ✓ 20[♂] Waipana S.F., Waipana Stm, 70 m, 16-21 Mar 1978, S.v.J. Peck Malaise in forest clearing (NZAC)
- BP ✓ 1♀ L Rotoiti Res., nr Rotorua, 24-29 Mar 1978, S.v.J. Peck Malaise in mixed podocarp forest (NZAC)
- SD ✓ 1♀ Ship Cove, 15 Feb 1973, G. Kuschel (NZAC)
- BR ✓ 1♀ Greymouth, 23 Jan 1935, E.S. Gourlay (NZAC)
- 20[♂] New Zealand, Pascoe (BMNH)
- AK ✓ 1♀ Holotype of Araecerus pardalis (1) "New Zealand, Pascoe, 93.60" (2) "NZ, Auckland" (BMNH). Hol. label affixed May 1981, B.A. Holloway
- SD ✓ 2 specs, Oruawairua I., Q. Charl. Sed. 31 Jan - 4 Feb 1980 P.M. Johns (P.M.J. Collⁿ)
- MC ✓ 4 specs Banks Penin. Dec 1980 - Jan 1981, (P.M. Johns Collⁿ)
- 1 spec. no data (OMNZ)
- WN ✓ 17 specs. Wellington (Wiltons, Gollans V.) 1941-42, G.U. Hudson (BMNH)
- BP ✓ 1 spec. Nganga-taha, Rotorua, pre 1913, H. Swale (BMNH)
- WO ✓ 1 spec. Waitomo, pre 1957, C.E. Clarke BMNH
- ✓ 1 spec. Waipia R., Otewa Gorge, Otorohanga, pre 1957, C.E. Clarke BMNH.

Liromus pardalis

Holotype ♀ (2.9 x 1.4 mm)

PMT

Total examined: ~~80~~⁹⁵ ♂, ~~50~~⁵⁹ ♀, 2 specs. (BMNH, CMNZ, FRNZ, NMNZ, NZAC, UCNZ)

DISTRIBUTION: North Island (ND, AK, CL incl. Little Barrier I, BP, TO, WN) and South Island (NN^{SD}, BR^{WD}, MC, OL, DN, SL). Northernmost record: Whangarei Hds, ND; Southernmost record: Tisbury, SL.
from near sea level to c. 610 m.

SEASONALITY: September to March. April

PLANT ASSOCIATIONS: Has been reared from dead branches of Coprosma linariifoliaⁱ and C. robusta (Rubiaceae).

Lophus cristatellus

All from the Chatham Islands.

15 ♂ 12 ♀ Awatotara, 450', Chatham I., 21-23 Feb 1967,

G. Kuschel, ex dead Myrsine chathamica (ED)

1 ♀ Limestone Quarry, Chatham I., 11 Feb 1967, G. Kuschel (ED)

10 ♂ South East I., 30m, 10 Nov 1970, J. I. Townsend (ED)

1 spec Pitt I., no 97, (Brown's handwriting) (ED)

3 spec. Pitt I., 16-26 Jan 1944, E.S. Gourlay (ED)

1 spec ♂ Pitt I., (AM)

2 ♀ Chatham Is ex Brown (one a paralectotype) (ED)

1 spec. no data except no 100 AE Brooks Collⁿ, pub one of orig series (ED)

1 ♀ Pitt I., Chatham, T. Hall (LECTOTYPE LABEL AFF. B.A.H. June '66) (BM)

20 ♂ 1 ♀ (PARALECTOTYPE ...) (BM)

Total specs examined ⁴⁸ AT (AM, BM, ED)Distribution All from Chatham Is. (Pitt I., ^{South East} Chatham I.)Altitudinal Distribⁿ - from ~~close to~~ ^{near} sea level to about 140 m.Hosts and associations - No reared specimens. ^{of the} ~~27~~ ^{15 ♂, 12 ♀} specimens were collected ^{from} dead Myrsine chathamica (Myrsinaceae) at a single locality. ^{material but} ~~27~~ ^{15 ♂, 12 ♀} specimens were reared from Myrsine chathamica and Olearia traversii.Seasonal Distribⁿ - Nov, Jan, Feb, June.1 ♂, Awatotara, 23 Feb 1967, G. Kuschel, on Pseudopanax chathamica (ED)

1 ♀, " 450', 21 Feb 1967 " " beating (ED)

20 ♂ 1 ♀ Pitt I., 16-26 Jan 1944, E.S. Gourlay (ED)

1 ♀ Limestone Quarry, 11 Feb 1967, J.S. Dugdale, reared from dead branches Olearia traversii (ED)10 ♂, Awatotara Island, Feb 1967, DSIR, Myrsine chathamica old branches in forest floor. REARED em 26 Feb 1968. (ED)

23 ♂, 20 ♀, Lectotype, 5

Lophus Lewisii

- MC 1 spec. HOLOTYPE, Broken River ^{J.H. Lewis} / Holotype label affix BAH Feb '66 (BM)
- NN 1 spec. HOLOTYPE OF hathi, Glenhope, 16 May 1915, Holotype label affixed by BAH Feb 1966 (BM).
- BR 1 ♂ L. Rotoiti, 27 Nov 1966, A.K. Walker (ED)
- BR 1 ♀ L. Rotoiti 2000', 29 Oct 1964, G. Kuschel (ED)
- BR 5 spec. Mt Robert, 4000', 16 Dec 1934, E.S. Gourlay (ED)
- NN 1 ♀ Aniseed Valley, ^[c. 500'] 13 Nov 1972, G. Kuschel (ED)
- BR 1 ♂, 1 ♀ Mt Robert 4000', 16 Dec 1934, E.S. Gourlay (NM)
- NN 1 spec. Dum Mt 2000', 28 Nov 1943, E.S. Gourlay (ED)
- BR 1 ♀ Mt Robert, 4000', 16 Dec 1934, E.S. Gourlay (AM)
- NN 1 ♂ Owen River, no date, E.S. Gourlay (ED)
- NN 1 ♂ Canaan, 2000', 17-26 Jan 1949, A.E. Brookes (ED)
- MB? 1 ♂ Pelorus Bridge Res. 19 Oct 1963, G. Kuschel (ED)
- NC 1 ♂ Arthurs Pass 27 Dec 1940, S. Lindsay (CM)
- 1 ♂ 1 ♀, no data (NM)
- TO 1 ♀ (40), S.F. 90, E. Taupo 1955, R.H. Milligan (REARED) Nothofusca (FRI)
- TO 1 spec (39) SF 90, E Taupo 11 Jan 1957, (REARED) Nothofusca FRI ^{Returned Sep 1969}
- MC 1 spec (62), Alford Forest, ^[c. 1000'] 18 Jun 1959, R.M.J. McKenzie. REARED Nothofagus sp. (FRI) returned Sep 1969.
- TO 5 spec. Whakapapa, Ruapehu 4000' Jan 1922, G.V. Hudson (NM)
- NN 1 spec (24) Gordons Pyramid ^[Mt Arthur Rd] 13 Jan 1918 A.C. O'Connor (NM)
- BR 1 spec (1737) Mt Robert, 4000', 16 Dec 1934, E.S. Gourlay (NM)

2 holotypes + 7 ♂ + 6 ♀ + 15 spec

Total species examined: 29 (AM, BM, CM, ED, FRI, NM)

Distribution: North I. (TO) and South I. (NN, MB, BR, NC, MC)

Northernmost record: SF. 90, E. Taupo (TO); southernmost: Alford Forest MC.

Altitudinal Distribⁿ 150 m - 1500 m, mainly above 750 mHosts & Assoc^{ns} Has been reared from Nothofagus sp. and N. fusca (Fagaceae)

SEASONAL RECORDS May, Oct - Jan, June

MC 1 spec Craigieburn Forest Park, FRI hostel area, PM Johns, 6-7 Nov 1979 ^{Nothofagus at night} (P.M. Johns)OL 1 spec ^{Upper} / ~~Lower~~ Broken River, 14 Nov 1926 C.E. Clarke (BMNH)

Lophus rudis

- AK 16♂, 8 ♀ Lynfield, 11 Sep 1976, on ^{recently dead} Dysoxylum, ^{spectabile} G. Kuschel (ED) - sprayed on main trunk
- AK 1♂, 1 ♀ " 12 Apr 1977, ^{on} decayed wood " " (ED)
- AK 2♂, 2 ♀ " 21 Aug 1976 " " " (ED)
- AK 4♂, 1 ♀ " 5 Sep 1976 " " " (ED)
- AK 1♂, 1 ♀ " 30 Oct 1976 " " " (ED)
- FD 6♂, 6 ♀ West Arm 170-200m, Manapouri, Jan 1970, G. Kuschel, Nothof. solandri (ED)
- NN 3 specs Silverstream, 19 Nov 1951, E.S. Gourlay (ED)
- SD 3 ♂ Picton, Sep 1969, G. Kuschel (ED)
- TO 1♂, 3 ♀, Ohakune Mt Rd, Ruapehu 1 Dec 1965, J.I. Townsend (ED)
- BR 4 specs L Rotoroa, 9 Mar 1965, G. Kuschel & J.I. Townsend (ED)
- SI 7 specs Nth Pk, 600', longl. em 9 May 1969 ex Dracophyllum longifolium coll 10 Nov 1968
Reared W 68/43, J. Mc Burney (ED)
- NN 3 specs Upper Maikur, 3 Mar 1935, E.S. Gourlay (ED)
- BR 4 specs, 1♂ Mt Robert 4000', 16 Dec 1934, E.S. Gourlay (ED)
 3 specs Mt Mgidus 2000', 2-13 Dec 1959, J.I. Townsend ED
- NN 1 ♂ Dun Mt 2500', 13 Nov 1961, G. Kuschel (ED)
- WD 2 specs Lake Paringa 6-10 Dec 1960, J.I. Townsend + P.R. Kettle (ED)
- NN 1 ♂ Nelson City May 1968, B.A. Holloway (ED)
- AK 1 ♀ Hunua Ra 550m Kohukohunui, 30 Mar 1974, G. Kuschel (ED)
- AK 1♂, Lynfield, soil under dead Acacia stump G. Kuschel, 3 Apr 1977 (ED)
- BR 1 ♀, Fletchers Ck near Reefton, 9 Nov 1971, G. Kuschel, Nothofagus, BFUP, (ED)
- UN 1 spec Cawthron Park, 10 Feb 1961, E.S. Gourlay (ED)
- UN 1 spec " " 27 Oct 1960 " " (ED)
- SI 1 ♀ Big S Cape l., Nov 1968, J.C. Watt, bealing coastal forest (ED)
- SD 1 ♀ Stephens l., 14-28 Jan 1933, E.S. Gourlay
- JN 1 spec. Amisae Valley, 14 Jan 1976, K.K. Walker, bealing Nothofagus menziesii (ED)
- UN 1 spec Owen River, E.S. Gourlay (ED) (nodate)
- MB 2 spec near St Rowans Well, Upper Wairau Valley, em 6 Dec 1966, ex dead ^{branches} Nothofagus
 (1♂, 1♀) cliffortioides coll. 7 Sep 1966, J.C. Watt. REARED (ED)
- BR 1 ♀ Baldy Ridge 1219m, Glenroy, Makahitaki, Murchison, 5 Apr 1971, J.I. Townsend, on Astelia (ED)
- CL 1 spec Kaueranga Valley, Thames, 18-20 Jan 1960, J.I. Townsend & R. Zondag (ED)
- JN 1 spec Mt Arthur, 3500', 2 Jan 1929, E.S. Gourlay (ED)
- JN 1 spec Nelson Reservoir, 27 Mar 1958, E.S. Gourlay ED

Lophus rudis

- NN 1 ^(♂) spec Nelson, 22 May 1921, R.J. Tillyard, (ED)
- TD 1 spec Whakapapa 3900', Ruapehu, at night, 23 Nov 1965, J.I. Townsend (ED)
- WN 1 spec, Lyall Bay, Wellington, 16 Mar 1961, D.N. Edwards (ED)
- WO 1 spec Okauia, Matamata, 30 Jul 1920, A.E. Brookes (ED)
- WO 1 spec 5 Apr 1920 (ED)
- WO 1 spec 27 Dec 1947 (ED)
- WD 1 spec Franz Josef, Alex Knob 3500', em 19 Jan 1966 from dead flower stalks of Dracophyllum traversii coll. 3 Nov 1965, J.I. Townsend (REARED) ED
- CL 1 spec Tairua, T. Brown, no date, (ED)
- NN 2 ♀ Aorere Valley, Bainham, 10-18 Feb 1949, A.E. Brookes (ED)
- 1 spec no locality, T. Brown Dup Coll. (ED)
- MC 2 spec Canterbury, T. Hall, 1914, T.Br. Dup. Coll. (ED)
- NN 1 spec. Gordons Knob, no other data (ED)
- WO 1 spec. Okauia, Matamata, 29 Oct 1921, (ED)
- WO 1 ♀ 20 Mar 1931 (ED)
- OL 1 spec Mt Alfred, N. of L. Wakatipu, Feb 1914, T. Hall (ED)
- CHATHAMS 1 spec, Limestone Quarry 11 ^{Feb} 1967, G. Kuschel (ED)
- CHATHAMS 1 ♀, Awatokara, 450', 21 Feb 1967, (ED) ^{ex dead} Myrsine chathamica
- CHATHAMS 1 spec. Pitt Island, 16-26 Jan 1944, E.S. Gourlay (ED)
- WD 1 spec, Punakaikai 1 Apr 1934, E.S. Gourlay (ED) Drawn by D.E. Helmore 19.10.78
- SI 5 spec, Longl., Stewart I., B.D. Bell, May 1964, Olearia (CM)
- SI 3 spec, above Puwai, Longl., Stewart I., P.M. Johns, 22 Aug 1964, on Dracophyllum at night (CM)
- 2L 1 spec Kidds Bush, Hawea, P.M. Johns, 27 Oct 1964, on Noth. cliffortioides at night (CM)
- 3R 1 spec. Maruia Springs, 25 Dec 1988, Lindsay (CM)
- K 1 spec Tangarakau, 27 Oct 1941, coll? (AM)
- AK 1 spec Hunua Gorge 24 Jul 1932 .. (AM)
- NN 1 spec Wellington = 1921, G.V. Hudson (AM)
- 1 spec, no data (ZDCU)
- NN 1 spec, Linden Wellington, 9 Jan 1973, R. Craw, under log (ED)
- ID 2 ♀, Waimateui, 1 Apr 1945, C.E. Clarke (AM)
- 1 spec no data (NM)
- ID 2 spec Kara, Whangarei, 15 Apr 1984, E. Fairburn (NM)
- L 1 spec 10 Mile Bush Queenstown, 12 Apr 1968, P.M. Johns, Nothofagus (CM)

Lophus rudis

- 1 spec, Dyars Pass, 3 Aug 1914, no coll. (ED)
- MC 1 spec, Broken River, Nov 1907, Lewis Coll. (NM)
- WN 2 spec, Levin, Mar 1909, A.C. O'Connor (NM)
- WN 1 spec Titahi Bay, 28 Mar 1909, (NM)
- WN 3 spec. Porirua Pah, 6 Sep 1908, (NM)
- WN 1 spec Maori Bank, Upper Hutt, 3 May 1930 G.V. Hudson (442a) (NM)
- WN 1 spec Wadestown 17 Mar 1902, G.V. Hudson (442b) (NM)
- WN 1 spec Korokoro 2 Jan 1918 G.V. Hudson (442c) (NM)
- NN 1 spec, Tophouse 24 Dec 1935, G.V. Hudson (442d) (NM)
- WN 1 spec, Korokoro, 22 Jul 1921, G.V. Hudson (NM)
- 3P 1 spec ^(FRI 156) Mangowera Gorge, ^{N.M.W.} 22 Jan 1949 (FRI)
- DN 1 spec (FRI 19) Dunedin March 1949, NMW. (FRI)
- 1 spec (FRI 236) No locality, W102, 8 Jan 1959 (FRI)
- AC 1 spec (59), Alford Forest, R.M.J. McKenzie 18 Jun 1959 REARED Nothofagus sp. (FRI)
- 1 spec (FRI 238) no locality, W104, 1 May 1959, FRI
- TO 1 spec (60) S.F. 90, E. Taupo, 10 Oct 1958, R.H. Milligan, REARED Nothofusca (FRI)
- BP 1 spec (FRI 15) Mamaku S.F. Jan 1949, NMW. (FRI)
- 3P 1 spec (FRI 171) Rotorua 19 Oct 1958, R.H. Milligan (FRI)
- DN 1 spec (FRI 17) Dunedin, March 1949 NMW (FRI)
- WN 1 spec (FRI 15) " " " " (FRI)
- 3P 1 spec (FRI 12) Whakarewarewa 31 Mar 1948 G.B. Rawlings (FRI)
- 1 spec (FRI 237) no locality, W102, 3 Feb 1959 (FRI)
- 1P 1 spec (FRI 14) Whakarewarewa 21 May 1948 G.B. Rawlings (FRI)
- TO 1 spec (FRI 155) Rangit^{ana} S.F. near Ohakune, 15 Dec 1949 NMW. on Nothofusca (FRI)
- 1P 1 spec (FRI 18) Whakarewarewa 17 Dec 1948, NMW. (FRI)
- 1P 1 spec (FRI 16) Whakarewarewa 10 Dec 1948, G.B. Rawlings (FRI)
- TO 1 spec (FRI 117) Rangit^{ana}, near Ohakune, Nothofagus fusca, NMW, 15 Dec 1949 (FRI)
- 1P 1 spec (FRI 13) Mangowera, 21 Jan 1949, G.B. Rawlings (FRI)
- TO ^(107, 18) 1 spec (63) Karori S.F. 11 Oct 1961, M.A. Stoodley REARED from Hypoxylon sp. (Ascomycetes: Xylariaceae) fruiting body on Noth. cliffortioides (FRI)
- TO 1 spec (61) S.F. 90, E. Taupo, 23 Jun 1959, R.H. Milligan REARED Nothof. menziesii (FRI)
- L 1 spec Tairua ~~BCBM~~ (BCBM) (BM)
- D 2 spec. Papanoa (BCBM) (BM)
[on Kauparantobium]

1 ♀ *Chorizanthe* sp., *M. waiatarua* var. *reob* 120/1, em 8 Jan 1968 from *Myrsine coxii* dead boles, REARED (ED)
1 ♀ .. 25-30 Jan 1944, E.S. Gourlay (ED)
1 ♀ Pitt I., Chatham Is. 16-26 Jan 1944 E.S. Gourlay (ED)
Lophius rufus

NN 1 spec Glenhope (BCBM) (BM)

MC 1 spec Mistake (presumably Mistake Creek, near Melkven) J Hall or J Hale 9 Oct 1913,
- in K(h)ea's nest (BCBM) (BM)

WD 1 spec Westland (BCBM) (BM)

AK 1 ♂, 1 ♀ Lynfield, 14 Aug 1976, on *Dysoxylum*, G Kuschel (ED)

Total specimens examined: 183 + 3 from Chathams = 186

42 ♂ + 39 ♀ + 124 spers.

Institutions: AM, CM, ED, FRI, NM, ZDCU.

Seasonal Distribution: Throughout the year.

Altitudinal Distribution: sea level to 4000' = 1220m

Host Plants & Associations: Reared from *Myrsine coxii* (Myrsinaceae) dead boles, *Dracophyllum longifolium* ~~flower stalks~~; dead branches of *Nothofagus cliffortioides*, dead flower stalks of *Dr. traversii*; *N. menziesii*; *N. fusca*; fruiting body of *Hypoxylon* sp (Ascomycetes: Xylariaceae) on *Noth. cliffortioides*. Has been collected on *Olearia* (Compositae) dead *Myrsine chathamica*, *Dracophyllum* at night, *Nothofagus cliffortioides* at night, ^{mid trunk of recently dead} on *Dysoxylum*, ^{spec label} on decayed wood, on *Nothofagus solandri*, beating *Nothofagus menziesii*, on *Askelia*, on *Nothofagus fusca*

Localities: North Island (ND, AK, CL, WO, BP, TO, TK, WN), ~~and~~ South Island (SD incl. Stephens I, NN, MB, BR, WD^{NE}, MC, OL, DN, FD, SL) and Chatham Is. (Chatham I. & Pitt I.)

Northernmost locality: Waimatenui, ND

Southernmost locality: Big S. Cape I off SW Stewart I.

Families of plants

Askelia Liliaceae *Myrsine* Myrsinaceae

Dracophyllum Epacridaceae *Dysoxylum* Meliaceae

Hypoxylon Ascomycetes

Nothofagus Fagaceae

Olearia Compositae

Lophus rudis (Sharp)

Additional Specs.

- MTC 15 specs, Craigieburn Forest Park, 6-7 Nov 1979, Nothofagus at night: P.M. Johns (P.M.J. Coll^g)
- MC 1 spec. Fanghill Stream, Wilberforce Valley, 27 Oct 1972, Nothof. at night . . . (. . .)
- NC 1 spec Rough Creek, 800m, Arthur's Pass Nat. Park, 28 Mar 1973, mabiskap. A.P. Perrett (. . .)
- ND 5 specs Waimakemii, 1 Apr 1945 C.E. Clarke (BMNH)
- WN 1 spec Wellington, about 1921, G. V. Hudson (BMNH)
- TK 1 spec Tangaraku 27 Oct 1941, C.E. Clarke (BMNH)
- BP 7 specs Maimaku, H. Swale, pre 1913, C.E. Clarke (BMNH)
- SD 1 spec. Pelorus Br. Sep 1949, E.B. Britton (BMNH)
- 2 specs N.Z., H. Swale, pre 1913, (BMNH)

141
 17.

 155

Micranthribus

SPECS EXAM ①

Micranthribus

atomus (Sharp)

AK ✓	1♂	✓	lynfield, 16 Nov 1974, G. Kuschel (NZAC)
"	1♂	✓	" 31 Jul 1976, " " on <u>Hedycarya</u> (NZAC)
"	1♂, 3♀	✓	" 8 Mar 1975, " " (NZAC)
"	1♂	✓	" 8 Nov 1975, " " cut <u>Parsonsia</u> (NZAC)
"	2♂, 1♀	✓	" 5 Oct 1974, " " general beating (NZAC)
"	2♂, 2♀, 1 spec	✓	" Wattle Bay, 18 Mar 1979, " " <u>Gahnia lacera</u> (NZAC)
"	1♂	✓	" 1 May 1977 G. Kuschel, ex ground plants (NZAC)
"	2♂, 1♀, 1 spec	✓	" 3 Apr 1977, " " soil under dead <u>Acacia</u> stump (NZAC)
"	2♂, 5♀, 2 spec	✓	" 2 Oct 1976, " " base of <u>Gahnia</u> (NZAC)
"	1♂, 3♀	✓	" 23 " 1976, " " (NZAC)
"	3♂, 5♀, 2 spec	✓	" 25 Apr 1977, " " base of <u>Gahnia</u> (NZAC) ^{1♂ illustr D. Helmore 1980}
"	1♂	✓	" 24 Jul 1976, " " decayed wood (NZAC)
"	1♂	✓	" 22 Jan 1977, " " above beach (NZAC)
"	1♂	✓	" 7 Aug 1977, " " coastal litter (NZAC)
"	1♂, 3♀, 1 spec	✓	" 11 Sep 1976, " " beating <u>Gahnia</u> (NZAC)
"	1♂, 1♀	✓	" 12 Feb 1975, " " (NZAC)
"	1♀	✓	" 20 Oct 1974, " " cut <u>Beudopanax arborea</u> (NZAC)
"	1♀	✓	" 13 Oct 1974, " " on <u>Cortaderia</u> (NZAC)
"	1♀	✓	" 28 Jun 1975, " " on <u>Acacia mearnsii</u> (NZAC)
"	1♀	✓	" 13 Oct 1974, " " on <u>Schefflera</u> (NZAC)
"	2♀	✓	" Wattle Bay, 18 Mar 1979, " " on <u>Cortaderia</u> (NZAC)
"	1♀	✓	" 27 Mar 1976, " " on <u>Sophora</u> stem (NZAC)
"	3♀	✓	" 27 Jan 1977, " " ex mainly <u>Asplenium</u> (NZAC)
"	1♀	✓	" 19 Dec 1976, " " (NZAC)
"	1♀	✓	" 1 Nov 1975, " " at night (NZAC)
"	1♀	✓	" 28 Jan 1980, " " <u>Cortaderia splendens</u> (NZAC)
"	1♀	✓	" 25 Apr 1974, " " (NZAC)
"	1♀	✓	" 10 Apr 1977, " " maritime (NZAC)
"	1♀	✓	" 29 Jan 1977, " " coastal (NZAC)
"	1♀	✓	" 2 Jan 1977, " " ex <u>Mariscus/Phormium</u> (NZAC)
"	1 spec	✓	" 14 Sep 1974, " " on <u>Nestegis lanceol.</u> (NZAC)
"	1 spec	✓	" 24 Apr 1976, " " decayed wood (NZAC)
"	1 spec	✓	" 13 Nov 1977, " " Litter (NZAC)
"	1 spec	✓	" 23 Feb 1977, " " maritime (NZAC)
"	1 spec	✓	" 18 Sep 1976, " " mixed litter (NZAC)
"	1 spec	✓	" 27 Mar 1977, " " <u>Gahnia</u> litter (NZAC)
"	1 spec	✓	" Wattle Bay, 2 Jan 1977, " " swept on track (NZAC)
CL ✓	1 spec	✓	^{between Tindies & Kopu} Kirikiri Saddle, 488m, 21 Oct 1976, J.S. Dugdale, litter 76/87 (NZAC)
AK ✓	1 spec	✓	Kohukohunui, Hunua Ra, 550m, 30 Mar 1974, G. Kuschel (NZAC)
CL ✓	1♂	✓	Waikawau, 24 Mar 1977, G. Kuschel, mangrove swamp (NZAC)
AK ✓	1♂	✓	Waikare Ra, 26 Nov 1945, A.E. Brookes (NZAC)
MC ✓	2♀	✓	Riccanton Bush, 15 Sep 1936, E.S. Gourlay (NZAC)
ND ✓	1 spec	✓	Titoki, Whangarei, 7 Apr 1928, E. Fairburn (NZAC)

~~Microgaster~~ atomus

1 spec, no data, except "Anthrribus atomus Coll. Wakefield" & "Anthrribus atomus D.S." in Sharps handwriting (CMNZ)

- BP ✓ 1♀ (269) Whaka S.F., 23 Jun 1960 L.W. Newman (FRNZ)
- BP ✓ 1♀ (270) Rotoehu S.F., 11 Mar 1959 R. Zondag (FRNZ) - on native shrubs
- AK 1 spec, Green Bay, AK, 20 Jul 1974, G. Kuschel, on Leptocarpus (NZAC)
- AK 10♂ ✓ 1 spec Lynfield 1 Sep 1974 " " (NZAC)
- AK 10♂ ✓ 1 spec Lynfield 27 Jul 1974 " " on Cortaderia (NZAC)
- AK 10♀ ✓ " 21 Jul 1974, " " on Toe-Toe (NZAC)
- AK 10♀ ✓ " Wattle Bay 11 Feb 1979, " " on Gahnia lacera (NZAC)
- AK ✓ 1 spec. Whangarata Brunm Collⁿ (BMNH)
- ✓ 1 spec. no data " " (BMNH)
- CL ✓ 1 spec. Tairua " " (BMNH)
- AK ✓ 1 spec. Howick " " (BMNH)
- CL 10♂ ✓ 1 spec. Auckland or Tairua Lectotype Brunm or Lawson (BMNH) Examined G.K. 1964.
- CL 10♂ ✓ Little Barrier I, Pohutukawa Flat, 20 Feb 1976, AK Walker, on Metrosid. excelsa (NZAC)
- AK ✓ 2♀ ✓ Grafton Gully, Auckland, 20 Jan 1951, D. Spiller (NZAC)
- ✓ 1 spec Lectotype BMNH [Auck + Tairua, Lawson, Brunm] & lower selected AK as T/L.

Micraultrix

SPECS EXAM (3)

~~atomus~~ atomus

Total examined: $\frac{27}{260}$ ♂, $\frac{49}{47}$ ♀, 17 spec. (FRNZ, NZAC, CMNZ) BMNH.

Distribution: North Island (ND, AK, CL, BP) and South Island (MC). Near sea level to 550m. Northernmost record: Titoki, ND; southernmost record: Riccarton Bush, MC.

Seasonality: Throughout the year.

Plant Associations: Has not been reared. Adults have been found in ~~extracted~~ ^{found in} leaf litter, ⁺ in decayed wood, and ~~beaten from~~ on the stems + trunks of Sophora sp (Papilionaceae), and Acacia mearnsii (Leguminosae) and ~~beaten from~~ Cortaderia splendens (Gramineae), Astelia sp. (Liliaceae), cut Pseudeopanax arborea (); Gahnia lacera (Cyperaceae), cut Parsonsia sp. (Apocynaceae); cut Nestegis lanceol

Notochoragus

SPECS EXAM ①

Notochoragus chathamensis n.sp.

- | | | | |
|-----|----|--|-------------------------|
| CH. | 1♂ | P.H.I., south end, 2 Mar 1967, litter, J.S. Dugdale | <u>HOLOTYPE</u> (NZAC) |
| " | 2♂ | Awatotara, Chatham I., 21-23 Feb 1967, bush, G. Kuschel | <u>PARATYPES</u> (NZAC) |
| " | 1♀ | 2 mi Bush, Waitangi, Chatham I., 5 Mar 1967, A.K. Walker | <u>PARATYPE</u> (NZAC) |
| " | 1♀ | Rotoparaoa, Chatham I., 12 Feb 1967, A.K. Walker | <u>PARATYPE</u> (NZAC) |

chathamensis n.sp.)

Total examined: 3 ♂ (incl. Hol.), 2 ♀ (NZAC)

DISTRIBUTION: Chatham Islands (Chatham I., Pitt I.,) Near sea level to about 140 m.

Seasonality: Feb - Mar.

Plant Assoc^{ns} Has not been reared. Adults have been collected extracted from leaf litter.

Notochoragus crassus Sharp

- AK ✓ 3♂, 1♀ Lynfield, 30 Oct 1976, decayed wood, G. Kuschel (NZAC)
- 1♂ " 23 Nov 1974, litter 74/68, G. Kuschel (NZAC)
- 1♂ " 2 Oct 1976, base of Gahnia, G. Kuschel (NZAC)
- 1♂, 2♀ " 20 Oct 1974, G. Kuschel (NZAC)
- 1♂, 2♀ " 4 Dec 1976, dead Dysoxylum, G. Kuschel (NZAC)
- 3♂, 1♀ " 5 Sep 1976, decayed wood, G. Kuschel (NZAC)
- 1♀ " 7 Aug 1977, G. Kuschel (NZAC)
- 1♀ " 3 Oct 1976 " " (NZAC)
- 2♂, 2♀ " 21 Aug 1976 decayed wood, G. Kuschel (NZAC)
- 1♂, 2♀ " 28 Jun 1975, on Dysoxylum " " (NZAC)
- 1♂ " 10 May 1975, litter 75/108 " " (NZAC)
- 1♂ " 2 Jun 1980, G. Kuschel (NZAC)
- ↓ 1♀ " on bach window 23 Jul 1978, B.A. Holloway (NZAC)
- SD 1♂ ✓ Picton, Sep 1969, G. Kuschel (NZAC)
- BP ✓ 1♀ Mt Te Aroha, 3200', 21 Oct 1967, J.S.D. & J.C.W. in porch of building (NZAC)
- BP ✓ 1♀ " " 975m " " J.S. Dugdale, sweeping (NZAC)
- RI ✓ 1♀ Ohakune, 2300', 31 Oct 1970, B.M. May, subcortical with Rosellinia fungus on dead wood of Nothofagus solandri (NZAC)
- BR 1♂ ✓ Fletchers Creek, 7 Mar 1972, beating Pinus radiata (BFUP) (NZAC)
- AK ✓ 1♀ Green Bay Cliffs, 23 Nov 1976, G. Hall (NZAC)
- AK 1♂ ✓ Clevedon, Freycinetia, 9 Jul 1958, R.A. Cumber (NZAC)
- AK 1♂ ✓ Lynfield, 24 Mar 1979, G. Kuschel (NZAC)
- GB ✓ 1♀ Gisborne, 10 Feb 1959, R.A. Cumber (NZAC)
- BP/ho 1♂ ✓ Te Aroha, 7 Jul 1958, R.A. Cumber (NZAC)
- TK 2♂ ✓ Mapiu 10 Jul 1958 " " (NZAC)
- NN ✓ 1♀ Upper Maitai, 19 May 1941, E.S. Gourlay (NZAC)
- MC 1♂ ✓ Puke Atua Bush, Port Hills, 8 Jun 1941, E.S. Gourlay (NZAC)
- CL 1♂ ✓ Kopu Rd, Coromandel Pen. 27 Sept 1967 R.A. Cumber (NZAC)
- CL 1♂ ✓ Thumb Track, 300', Little Barrier I., 23 Aug - 4 Sep 1958, J.C. Watt (NZAC)
- NN 3♂, 2♀ ✓ Aorere V., Bainham, 10-18 Feb 1949, A.E. Brookes (NZAC)
- BP 3♂ ✓ Okauia, Matamata, 5 Apr 1920, A.E. Brookes (NZAC)
- NN 1♀ ✓ Upper Maitai, 19 May 1941, E.S. Gourlay (NZAC)
- TK 1♂, 1♀ ✓ Mapiu, 10 Jul 1958, R.A. Cumber (NZAC)
- WN 1♂ ✓ Linden, 10 Jan 1973, under log, R. Craw (NZAC)
- 1♀ no data, T. Brown dup coll " (#983) (NZAC)
- AK 1♂ ✓ Waitakere Ra. March 1909, T. Brown (NZAC)
- 1♀ no data except Anthribus crassus Brown H/W. (UCNZ)
- WN ✓ 1♀ ~~At~~ Waikanae, March 1919, A.C. O'Connor (NMNZ)
- NN 4♂ " 26 Feb 1919, " " (NMNZ)
- 1♂ no data (NMNZ)
- NN 2♂ ✓ (1009a, b) Waikanae, 26 Feb 1919 A.C. O'Connor (Hudson coll ") (NMNZ)
- NN 2♂ ✓ (1009c, d) Wilsons Bush 26 Feb 1942 G. Utterston (c, in NMNZ) (d, illus. Helmore retained NZAC)

Crassus

- WN 3♂ Makara Bush (100g e.f.g.) 24 Oct 1922 G.U. Hudson (NZAC)
- CL 4♀ Kaueranga S.F. Thames 2 Feb 1960, R. Zondag REARED Hypoxyton sp. fruiting body on Beilschmiedia tawa (FRNZ)
- CL 1♂ (258) " " " " (FRNZ)
- CL 1♂ (259) " " " " (FRNZ)
- TO 1♀ (260) S.F. 90, E. Taupo, em 2 Sep 1959 REARED Noth. menziesii, R Milligan (FRNZ)
- TO 1♀ (261) S.F. 90 " " " " (FRNZ)
- CL 1♂ (262) as for 257
- TO 1♂, 2♀ (263) as for 260
- BP 2♂, 4♀ (264) Mamaku Forests Ltd, Rotorua, em 16 Oct 1961, L.W. Newman REARED Hypoxyton fruiting body on Beilschmiedia tawa (FRNZ)
- 1♂, 5♀ (265) " " " " (FRNZ)
- 2♂, 4♀ (266) " " " " (FRNZ)
- 9 specs (267) " " " " Returned Sep 1969 (FRNZ)
- 4♂, 2♀ (268) " " " " (FRNZ)
- CL 1♀ (FRI 44) Mamaku S.F. Jan 1949, G.B. Rawlings (FRNZ)
- CL 1♀ (- 125) Kaueranga S.F. 19 Jan 1960, R. Zondag (FRNZ)
- 1♀ (- 126) " " " " (FRNZ)
- 1♂ (- 127) " " " " (FRNZ)
- 1♀ (- 128) " " " " (FRNZ)
- CL 4♂, 5♀ (- 206-208) Whangapoua S.F. Coromandel, em 20 Mar 1969, REARED dead tawa (FRNZ)
- 1♀ no data, T. Brown Dup Coll # 983 (NZAC)
- AKT spec. Pokero Brown Coll (BMNH)
- CL 4 spec. Tainui " " (BMNH)
- 1 spec. no data # 983 " " (BMNH)
- AKT spec. Howick, Feb 1886 " " (BMNH)
- AKT spec. HOLOTYPE of minor, Paparoa, ^{near Howick} Brown (BMNH)
- AK 1♀ Titirangi, Nov 1980, R.H. Kleinpaste, Malaise trap, native bush, (NZAC)
- WN 1♂ Waikawa, 10 Km S of Levin, 150 m, 8 Mar 1978, S.J. Peck (NZAC)
- AK 1♀ Lynfield, 29 Apr 1981, Malaise trap, G. Kuschel (NZAC)
- NN 1♀ Upper Maitai, 19 May 1941, E.S. Gourlay (NZAC)
- ND 1♀ Waitangi, 26 May 1981, R. Kleinpaste. Letter 8/67 (NZAC)
- BP 1♀ Mamaku, Rotorua, H Swale (BMNH)

CRASSUS

Total examined: $\overset{65}{\cancel{64}} \overset{59}{\cancel{58}}$ 14 spec (incl. Hob. minor)
 (NZAC, FRNZ, NMNZ, UCNZ, ~~BMNH~~)

Localities: ~~ND~~ North I. — ~~AK~~ AK, CL (incl. Little Barrier I.), WO, BP, GB, TO, TK, RI, WN; South Island — NN, SD, BR, MC, ~~CL~~ ^{CL} Near sea level to 975m. Northernmost record: ~~Whitanga, ND~~; southernmost record: Puke Aua Bush, MC

Seasonality: Adults have been taken throughout the year.

Plant Assoc^{ns}: Has been reared from the fruiting body of Hypoxylon (Ascomycetes: Xylariaceae) on Beilschmiedia tawa (Lauraceae); dead Beilschmiedia tawa; dead Nothofagus menziesii (Fagaceae). Adults have been extracted from litter and below from the base of Gahnia sp. (Cyperaceae) & from dead wood of ~~various native trees~~. Dysoxylum spectabile (Meliaceae)

Notochoragus fungicola

- 10⁷ no data (NZAC)
- AK 10⁷ Lectotype Howick Jan 1885, T. Brown (NZAC)
- 10⁷ no data ex Brown Collⁿ #2222 (NZAC) Paralectotype
- 10⁷ Waitakere Ra. (NZAC) no date. (#2215 ^{Eugomyces} picipes)
- AK 1 spec. Howick Jan 1885 T. Brown Paralectotype (BMNH)
- AK 1 spec " " " " " (BMNH)
- AK 1 spec " no date " " " (BMNH)

fungicola Broun

Total examined: 2♂ (incl. lectotype) 2♀, 3 specs (paralectotypes)

Localities: North Island - AK. Near sea level

Seasonality: Jan.

~~Host~~ Plant Assoc^{ns} Has not been reared. Xylariaceae
ascospores in gut, as well as fragments of fungal
fructifications.

Notochoragus manus Sharp

white encrusting fungus on ~~dec~~ log.

- H. 50[♂], 70 Awatotara, Chatham I., 450', 21 Feb 1967, beating, G. Kuschel (NZAC)
- :L 1♀ Tapu Rd Summit, CL, 25 Mar 1977, decayed wood, G. Kuschel (NZAC)
- JN 1♀ Canaan, 28 Nov 1964, G. Kuschel (NZAC)
- :L Ispec. Tairua, Brown Coll (BMNH)

↳ F of Takaka Hill School

41° 05' 172° 55'

nanus

Total examined: 5 ♂, 9 ♀, 1 spec. (BMNH, NZAC)

Distribution: North Island - CL; South Island - NN; Chatham Islands - Chatham I. Near sea level to c. 610 m. Northernmost record: Tapu Rd Summit, CL; southernmost record: Awatotara, Chatham I.

Seasonality: Adults have been collected in Nov, Feb, Mar.

Plant Assoc^{ns}: Has not been reared. Adults have been reared from decaying wood & from white encrusting fungus on log.

Notochoragus thoracicus Brown

- AK 1♂ ✓ Lynfield, AK, 25 Oct 1975, old Sophora, G. Kuschel (NZAC)
- AK 2♂ ✓ " " 10 Oct 1975, litter 75/154 " " (NZAC)
- AK ✓ 1♀ " " 5 Sep 1976, ex litter, G. Kuschel (NZAC)
- AK ✓ 1♀ " " 2 Oct 1976, base of Gahnia " " (NZAC)
- AK ✓ 1♀ (Waikato Bay) 18 Sep 1977, base of dead Acacia G. Kuschel (NZAC)
- SD 1♂ ✓ French Pass, 25 Apr 1963, litter, G. Kuschel (NZAC)
- MB/BP 1♂ ✓ [ME] Te Aroha, 24 Sep 1964 " " (NZAC)
- NN ✓ 1♀ Wairoa Gorge, Nelson, 20 Oct 1971, G. Ramsay, litter (NZAC)
- CL ✓ 1♀ Red I., Mercury Is, CL, 24 Nov 1972 " " litter 72/226 (NZAC)
- NN ✓ 1♀ Whangamoa Saddle, 17 Nov 1966, pit trap, coll. ? (NZAC)
- CL ✓ 1♀ Ruamahuanui I., Alderman Is, CL, 152 m, 14 Nov 1972, G.W. Ramsay ^{litter 72/204} (NZAC)
- WA ✓ 1♀ Waewaepa Ra, 1200', Wairarapa, 4 Sep 1965, litter, J.I. Townsend (NZAC)
- SD/MB ✓ 1♀ Pelorus Bridge, 19 Oct 1963, dead tree fern fronds, B.A. Holloway (NZAC)
- SD/MB ✓ 1♀ " " 10 Oct 1964 " " (NZAC)
- AK ✓ 1♀ Owairaka, 24 Aug 1942, M.W. Carter (NZAC)
- ND ✓ 1 spec HOLOTYPE Mokohinau I. (Brown Collⁿ) Sandagey (BMNH)
- AK ✓ 1 " ~~Wairarapa~~ Tihirangi, 2 Sep 1916, Brown Coll (BMNH)
- " ✓ 1♀ Lynfield 1 May 1977 G. Kuschel (NZAC)
- " 1♀ " 27 Jan 1977, " " (NZAC) Asplenium litter
- " 1♀ " 17 Jul 1976, " " decaying wood, (NZAC)
- " 1♀ " 25 Apr 1977, " " Gahnia bases (NZAC)
- " 1♀ " 27 Jul 1974, " " (NZAC)
- " TO♂ 1♀ " 26 Oct 1980 " " Malaise trap site 4, G. Kuschel (NZAC)
- AK ✓ TO♂ 1♀ Noises Is, Motuhoropapa I. 16 Jun 1978, J.C. Watt, litter (NZAC)
- " ✓ 1♀ " " 17 Dec⁷⁸ - 24 Feb 79, pit trap, Helmore, Cleary, Tocken (NZAC)
- " ✓ 1♀ " " 2-6 Nov 1977, " " J. C. Watt (NZAC)
- " ✓ 1♀ " " 19 Feb 1978 litter J.S. Dugdale (NZAC)
- WN ✓ 1♀ Orongorongo Valley Oct 1975, A. Moeed, Pit trap #238 (NZAC)
- ND ✓ 1♀ Mt Manuia 300-400 m, 4 Nov 1981, G. Kuschel, litter 81/121 (NZAC)

Thoracicus ~~new~~ Brown

Total examined: ~~50~~⁸ ♂, ~~60~~²⁰ ♀ (BMNH, NZAC) 2 specs (incl. Hol.)

Localities: North Island - ~~ND~~ (Mokohinau Is.), AK, CL (~~Mercury Is.~~ Alderman Is.), BP, WA^{WAN} and South Island - NN, SD + SD/MB. Near sea level to about 370m.
Northernmost record: Mokohinau I., ND; southernmost record: Pelorus Bridge, ~~SD/MB~~ SD/MB.

Seasonality: Aug - Nov, April.

Plant Associations: Has not been reared. Adults have been beaten from dead tree fern fronds, ^{decaying wood,} bases of Sakua (Cyperaceae), and extracted from leaf litter.

Phymatus

SPECS EXAM ①

Phymatus cucullatus

1 ♂ as gift to Naturh. Mus Wien, Aug 1980.

- NN 38 ♂, 36 ♀ Kaituna, Collingwood em 28 Aug 65-Jan 66, G. Kuschel & J.I. Townsend, **REARED**
 ex dry dead twigs & small branches Hedycarya coll 5 Jun 1965, (NZAC)
- WD 2 ♂ ✓ Bruce Bay 24 Feb 1966, G. Kuschel, dead leaves Phormium tenax (NZAC)
- WD 1 ♂ ✓ Okarito Beach, 1 Mar 1966, G. Kuschel, on flax (NZAC)
- NC 1 ♂, 2 ♀ ✓ Arthurs Pass, 2 Jan 1943, E.S. Gourlay (NZAC)
- NN 3 ♂, 2 ♀ ✓ Opano River, 10-13 Mar 1949, A.E. Brookes (NZAC)
- NN 1 ♂ ✓ Canaan 2000, 23 Jan 1949, A.E. Brookes (NZAC)
- NN 1 ♂ ✓ Karamea Bluff, near Seddonville, 5 Mar 1949, A.E. Brookes (NZAC)
- DN 1 ♂, 1 ♀ ✓ Moeraki, P. Sandager, no date (NZAC)
- SL 1 ♂ ✓ West Plains, no date (NZAC)
- SL 1 ♂ ✓ Tisbury, 20 Oct 1913 (NZAC)
- DN 1 ♂ ✓ Moeraki, T. Brown Dup. Coll. (NZAC)
- 1 ♂ ✓ T. Brown Dup Coll (NZAC)
- 1 ♂ ✓ no data (NZAC)
- NN ✓ 1 ♀ Mangaraka, Nelson, 11 Jan 1966, A. Walker (NZAC)
- DN ✓ 1 ♀ 19 km S. of Palmerston, 19 Feb 1976, L.L. Deitz, sweeping salt marsh (NZAC)
- NN ✓ 2 ♀ Pigeon Saddle, Takaka Dist, 1200', 1 Feb 1949, A.E. Brookes (NZAC)
- SL ✓ 1 ♀ Owaka, 15 Jan 1959, E.S. Gourlay (NZAC)
- BR ✓ 1 ♀ Greymouth, 19-21 Jan 1957, E.S. Gourlay (NZAC)
- 2 ♀ no data (NZAC)
- 4 ♂, 1 ♀ no data (NMNZ)
- WD ✓ 1 ♀ Okira, Oct 1909, Lewis Collⁿ (NMNZ)
- DN ✓ 1 ♀ Kaikorai Sand Bank, Dec 1904, Lewis Collⁿ (NMNZ)
- NN ✓ 1 ♂ (843a) Takaka 10 Jan 1920 G.U. Hudson (NMNZ)
- NC ✓ 4 ♀ (843b, c, d, e) Punch Bowl, Arthurs Pass, 23 Jan 1940 (NMNZ)
- DN ✓ 6 ♂ (197, 203, 205, 208, 212, 215) 4 ♀ (198, 206, 210, 214), 1 spec (213) Kuri Bush, Taiari,
 R.F. Cormack **REARED** Lupinus sp. 20 Sep 1960, em 26 Oct '60 - 2 Mar '61 (FRNZ)
- SL ✓ 1 ♂ (204) Conical Hills S.F., R.F. Cormack, **REARED** Cytisus laburnum, em 4 Dec 1960 (FRNZ)
- NC ✓ 2 ♂ (199, 207) 4 ♀ (200, 201, 202, 211) 1 spec (209) Arthurs Pass, 18 Dec 1959, J.S. Dugdale
 on Hoberia lyalli (FRNZ)
- SL ✓ 2 ♀ (FRI 45) Pebbly Hills S.F. Southland, em 16 Jan 1961 **REARED** P. ponderosa R.F. Cormack (FRNZ)
- ~~SL~~ ✓ 1 ♂ (FRI 158) " " " " " " **REARED** Pinus ponderosa R.F. Cormack (FRNZ)
- SL ✓ 1 ♀ (FRI 168) Conical Hills, 27 Nov 1958, beak P. radiata R.F. Cormack (FRNZ)
- ~~SL~~ ✓ 1 ♂ (FRI 169) Pebbly Hills S.F., 20 Nov 1958, beak Ps. taxifolia (Douglas fir) (FRNZ)
- SL ✓ 1 ♀ (FRI 194) " " " " " " (FRNZ)
- SL ✓ 1 ♂ (FRI 195) Conical Hills S.F., 25 Sep 1958, R.F. Cormack (FRNZ)
- DN ✓ 1 ♀ Moeraki Beach, 12 Jan 1978, G. Kuschel (NZAC)
- DN ✓ 1 ♀ Keith V., Dunedin, 12 Jan 1978, G. Kuschel (NZAC)
- DN ✓ 2 ♀ Oamaru, 10, 12 Dec 1969, K.J.G. (P.M. Johns Collⁿ)
- DN ✓ 1 ♀ " " " " " " Nov, Dec 1961
- DN ✓ 1 ♀ Waiangakama, N. Otago, 12 Dec 1965, K.J.G. (P.M. Johns Collⁿ)
- NC ✓ 2 ♀ Arthurs Pass, Jan 1923 + 1943, C.E. Clarke (BMNH)
- SC ✓ 1 ♀ Blue cliff, Jan 1944 C.E. Clarke (BMNH)
 70 ♂ 75 ♀ 2 spec.

Phymatus cucullatus

69 ♂, 49 ♀, 2 specimens NHMW,

Total examined 140 (BMNH, FRNZ, NMNZ, NZAC)Localities South Island (NN, BR, NC, ^{SC}WD, DN, SL) from sea level to c 3000' (915 m); northernmost record Mangarakau, NN; southernmost records Tisbury + Owaka, SL.Seasonal Records August - March.Plant Associations: Adults have been reared from twigs + small branches of Hedycarya ^{arborea} sp. (Monimiaceae);
② Lupinus sp. (Leguminosae); Cytisus laburnum ^{correct name.}
(Leguminosae); ④ Pinus ponderosa (Pinaceae);
⑤ Pseudotsuga taxifolia (Douglas Fir) (Pinaceae)Adults have been beaten from dead leaves of ① Phormium tenax (Agavaceae); ② Hibiscus lyallii (Malvaceae);③ Pinus radiata (Pinaceae)