

Phymatus hetaera

- ND ✓ 10♂ 1♀ Spirits Bay 17 Jan 1966, A.K. Walker (NZAC)
- ND ✓ 1♀ Unuwhao 1000' 18 Jan 1966 . . . (NZAC)
- ~~1♀ Waipoua Forest Oct 1967, J.G. Watt (NZAC)~~
- CL ✓ 10♂ 1♀ Kaiaeranga Valley, Thames, 18-20 Jan 1960, J.I. Townsend & R. Zondag (NZAC)
- ND ✓ 1♀ Te Pahi Str, 7 Feb 1975, A.K. Walker, (NZAC)
- CL ✓ 1♀ Tairua, no date, T. Brown (NZAC)
- WN ✓ 1♀ Titahi Bay, 1908, A.C. O'Connor (NZAC)
- WN/WI 10♂ ✓ Manawatu Gorge, Palm. N., 12 Dec 1948, A.E. Brookes (NZAC)
- AK ✓ 10♂ Tihirangi, 30 Nov 1915, A.E. Brookes (NZAC)
- 10♂ no data "969" in Browns H/W. (NZAC)
- TK ✓ 10♂ 1♀ Paiaka, 5 Jan 1950, R.A. Cumber (NZAC)
- AK ✓ 10♂ Tihirangi, 20 Nov 1916, A.E. Brookes (NZAC)
- WO ✓ 10♂ Otawa Gorge, Otorohanga (Waipa River) 26 Jan 1941, (NZAC)
- SD ✓ 10♂ D'Urville I., 23 Mar 1942, E.S. Gourlay (NZAC)
- BP ✓ 10♀ Tarawera >1000' H.A. Oliver, 8-11 Feb 1969, Malaise Trap (NZAC)
- AK ✓ 1♀ Wairua Warkworth 16 Jan 1951, D. Spiller (NZAC)
- WO ✓ 10♂ Waikaretu Akld 2 Jan 1966, B. May, subcortical in dead Clematis (NZAC) (Brenda has specimen)
- WN ✓ 1♀ Titahi Bay, 1908, A.C. O'Connor (NZAC)
- WN ✓ 10♂ " 28 Nov 1908 - . . . (NZAC)
- BP ✓ 1♀ Blue Lake, Rotorua, 23 Jan 1960, R.Zondag & J.I. Townsend (NZAC)
- BP ✓ 10♂ Okauia, 10 Dec 1946, [prob. A.E. Brookes] (NZAC)
- ✓ 1♀ no date or loc., T. Brown (NZAC)
- ✓ 1♀ no data except "970" in Browns H/W (NZAC)
- WI ✓ 1♀ Feilding, Kitchener Park, beaten from bush 18 Dec 1956, R.M. Bull (NZAC)
- WN ✓ 10♂ Raumati South, 8 Dec 1970, on dead Ngaio, R. Crow (NZAC)
- AK ✓ 10♂ Waiwera, N. Auck, 26 Dec 1914, A.E. Brookes (NZAC)
- WI ✓ 10♂ Grasslands, P.N., 9 Jan 1957, J.I.T. (NZAC)
- GB ✓ 2♀ Gisborne 10 Feb 1959, R.A. Cumber (NZAC)
- AK ✓ 10♂ Karekare, Feb 1916, A.E. Brookes (NZAC)
- AK ✓ 10♂ Clevedon, no date, T. Brown (NZAC)
- WI ✓ 10♂ 1 spec. (damaged) Feilding 14 Dec 1956, R.M. Bull (NZAC)
- ND ✓ 1♀ Peria, 23 Sep 1958, R.A. Cumber (NZAC)
- WN ✓ 1♀ Stokes Valley, 23 Jan 1950, B.A. Holloway (NZAC)
- BP ✓ 10♂ Okauia, 1 Jan 1922, A.E. Brookes (NZAC)
- AK ✓ 10♂ Tihirangi, Nov 1952, Light trap C.R. Thomas (NZAC)
- AK ✓ 10♂ Green Bay, 2 Jan 1915, A.E. Brookes (NZAC)
- AK ✓ 1♀ Waiwera, 26 Dec 1914, . . . (NZAC)
- 1♀ no data except "970" in Browns H/W (NZAC)
- AK ✓ 1♀ Waitakeres, Sharp's Bush ex larva in dead bank Agathis australis B. May (REARED) (NZAC) (Brenda has spec.)
- WN ✓ 1♀ Waiopahu Reserve, 31 Dec 1962, R.G. Ordish (NMNZ)
- WN ✓ 10♂ Wiltons Bush, 5 Mar 1934, G.V. Hudson (NMNZ)
- WN ✓ 10♂ Titahi Bay, 28 Nov 1908, A.C. O'Connor (NMNZ)

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- WN 10[♂] Kaitoke 25 Dec 1908 (NMNZ)
- WN ✓ 10[♀] Karori, Apr 1919, A.C.O'Connor (NMNZ)
- 10[♀] no data (NMNZ)
- WN ✓ 20[♀] Titahi Bay 1908 (~~NMNZ~~) A.C.O'Connor (NMNZ)
- WN ✓ 10[♀] Kaitoke 25 Dec 1909 A.C.O'Connor (NMNZ)
- WN ✓ 10[♀] Korokoro 12 Dec 1915 " " (NMNZ)
- ND ✓ 10[♀] Haw Island 14-20 Jan 1932 A.E. Brookes (NMNZ)
- WA ✓ 20[♀], 20[♀] Otaraia, Martinboro. Xmas 1918 A.C.O'Connor (NMNZ)
- WN ✓ 10[♀] (981r) Wiltons Bush 2 Jan 1939, G.V. Hudson (NMNZ) [on card with dissections
of Phymatodes]
- 10[♀] no data except "970" & "Anthribus hetaera" (CMNZ)
- NN ✓ 10[♀] Oparara R., 13-19 Nov 1957, J.I. Townsend (NZAC)
- AK ✓ 10[♀] Paha, 1948, A. Lush, ex Lupinus (NZAC)
- WI ✓ 20[♀], 40[♀] (147, 152, 153, 155, ~~156~~, 161, 163) Palmerston North, em 4-17 Sep 1959 M.A. Stoodley
- WI ✓ 1 spec (157) Palmerston North REARED Neopanax sp. (FRNZ)
- BP ✓ 10[♀], 20[♀] (148, 149) Mt Ngongotaha, Rotorua, em 9 Oct + 28 Dec 1960 R.H. Milligan
- BP ✓ (156) REARED Neopanax sp. (FRNZ)
- BP ✓ 20[♀] (150, 154) Blue Lake, Rotorua, 25 Sep 1958, R.H. Milligan (FRNZ)
- BP ✓ 10[♀], 10[♀], 1 spec (151, 160, 162) Matahina Forest nr Whakatane, N.O. Secombe, em 18 Sep '61
- REARED Lupinus sp. (FRNZ)
- WN ✓ 20[♀], 10[♀] (158, 159) Waitarere S.F., 5 Oct 1961, M.A. Stoodley em 7 + 24 Nov 1961 REARED
- (166) Lupinus sp. (FRNZ)
- BP ✓ 10[♀] (164) FRI, Rotorua, on Rowhai, 23 Nov 1960, G.B. Rawlings (FRNZ)
- BP ✓ 10[♀] (165) Whaka S.F., " Feb 1953, G.B. Rawlings (FRNZ)
- TK ✓ 20[♀], 20[♀] (295) Te Wera S.F., Stratford Dist., M.A. Stoodley em 20 Sep 1962, REARED Plagianthus
- (301, 302) betulinus (FRNZ)
- ND ✓ 20[♀] (FRI 31 + 32) Waipoua S.F., ex Rauiri, 28 Nov 1949 (FRNZ)
- BP ✓ 10[♀] (FRI 49) Mangorewa Gorge, Bof P. 22 Jan 1949, G.B. Rawlings (FRNZ)
- AK ✓ 10[♀] (FRI 116) Riverhead S.F. 18 Oct 1956, D.E. Lantour (FRNZ) on card with 0[♂] spinicollis.
- WI ✓ 10[♀] (FRI 184) Santo Pt. S.F. near Bulls 14 Nov 1958, M.A.S. (FRNZ)
- CL ✓ 10[♀] (FRI 197) Kaueranga S.F., 19 Jan 1960, R. Zondag & J.I. Townsend (FRNZ)
- ND ✓ 10[♀] (FRI 198) Te Kopuru, N. Auckland, on Ficus bank, 14 Oct 1959, (FRNZ)
- ND ✓ 10[♀] (FRI 200) Waipoua S.F. ex Rauiri, 28 Nov 1949, (FRNZ)
- CL ✓ 10[♀] (FRI 209) Kuaotuna, Coromandel, 27 Nov 1967 (FRNZ)
- BP ✓ 10[♀] (FRI 211) Mangorewa, B. of P. 22 Jan 1949, G.B. Rawlings (FRNZ)
- AK ✓ 10[♀] Paha, A. Lush, 1948, ex Lupinus (NZAC)
- ND ✓ 10[♀] Tawhiti Rahi, 1 Jan 1956, J.C. Watt (NZAC)
- NN ✓ 10[♀] Oparara River, 13-19 Nov 1957, F.S. Goulay (NZAC)
- SD ✓ 10[♀] Picton, Helms 1884 Sharp Collⁿ (as phymatodes) BMNH
- 20[♂] ~~♀~~ no local, labelled phymatodes ♂ (with horns), 1 phymatodes ♀ (without horns) in Sharps h/w. Crossed out on this pair is Exillis brownii ♂ ^{Type D.S.} & Exillis brownii ♀ Type D.S. (BMNH)
- 10[♀] Holotype hetaera Type D.S. no other data on spec. Seen July 1980 B.A.H. (BMNH)

Total = ~~131~~ 10[♂], 126 ♀, 2 specs
140 ♂, 133 ♀

Additional Records p. 5

incl. holotype
Phymatus / hetera

131♂, 126♀, 2 specs.

NHMW.

Total Examined 249 (BMNH, CMNZ, FRNZ, ~~NMNZ~~, NZAC)

Localities: North Island (ND ~~AK~~ including Poor Knights Is + Hen I, AK, CL, WO, BP, GB, TK, RI, WI, WA, WN), South Island (NN, SD including D'Urville I.) and Chatham Is. (610m) ^(Chatham Is. from) sea level to about 2000'.
 Northernmost record Unuwhao, ND; southernmost record Chatham Is.

Seasonal Records: August - April

- Plant Associations: Has been reared from ^{dead branches of} ⑦ Sophora microphylla (Papilionaceae); ^{dead} ~~branches~~ ⑤ Myrsine chathamica (Myrsinaceae); rotten stump of ⑥ Rhopalostylis (Palmae); dying branches ⑨ Citrus limon ^{lemon tree} (Rutaceae); dead ⑧ Clematis sp (Ranunculaceae); dead bank ② Agathis australis (Araucariaceae); ① Neopanax sp (Araliaceae); ③ Lupinus sp (Leguminosae); ④ Plagianthus betulinus (Malvaceae). Adults have been beaten from ⑤ Hedycahya arborea (Monimiaceae); ⑦ Tetrapathus tetrandrus (Passifloraceae); ② Schefflera digitata (Araliaceae); ⑥ Carrichaelia aligera (Papilionaceae); cut ① Pseudopanax sp. (Araliaceae); ④ Loheria sp. (Malvaceae); ③ Corynocarpus laevigatus ^{dead Karaka} (Corynocarpaceae).

Phymatus hekaera

- AK \checkmark 10[♂] Birkenhead, Nov 1980, J.F. Longworth, Malaise trap in 2nd growth bush NZAC
- AK \checkmark 1♀ Lynfield 27 Dec 1976, G. Kuschel (NZAC)
- AK 20[♂] " 16 Nov 1979 . . . (NZAC)
- AK 3♀ " Waike Bay, 16 Nov 1980, G. Kuschel (NZAC) on Parsonsia
- AK 10[♂] " 2 Nov 1980, B.A. Holloway (NZAC) on window.
- AK 10[♂] " 9 Nov 1974, on Hedycarya G. Kuschel (NZAC)
- AK 10[♂] " 20 Dec 1980, B.A. Holloway, on window (NZAC)
- AK 10[♂] " 16 Nov 1980 G Kuschel ^{Malaise trap site 4} ~~on Parsonsia~~ (NZAC)
- AK 1♀ " Waike Bay, 15 Feb 1981, G. Kuschel [REARED] Parsonsia stems (NZAC)
- WN 10[♂] \checkmark Te Manua ~~to~~ Uppertutu, 10 Nov 1976, S. Millar [REARED] Pseudopan. arbor. ^{branchlets of} (NZAC)
- AK 10[♂], 2♀ \checkmark Waitakere Ra., Kauri Forest - Cascade Creek, 14 Oct 1976, L.P. Marchant (NZAC)
- 10[♂] , no data (OMNZ)
- 1♀ New Zealand (BMNH)
- WN 30[♂] 2♀ (Kaitoko, Gollans V., Korokoro, Willoms Bush) Dec 1940, G.V. Hudson (BMNH)
- WN 20[♂] \checkmark Gollans V., 26 Jan 1942, G.V. Hudson (BMNH)
- ND \checkmark 1♀ Whangarei Dec 1921, J.W. Campbell (BMNH)

Phymatus

SPECS EXAM ①

Phymatus phymatodes Redtenbacher

REARED

NN	28 ♂, 22 ♀	Nelson City, 21 Oct '68, G. Kuschel, dead stems <i>Cassinia</i>	em 26 Nov 1968 (NZAC)
	6 ♂, 3 ♀	"	em 16 Dec 1968 (NZAC)
	2 ♀	"	em 16 Jan 1969 (NZAC)
	1 ♂, 1 ♀	" 2 May 1970	<i>Coprosma robusta</i> em 26 Jan 71 (NZAC)
✓	1 ♂, 1 ♀	Whangamoa, 24 Mar 1965 J.I. Townsend, <i>Pittosporum</i>	(NZAC)
	2 ♂, 1 ♀	" 2 Feb 1964	<i>Schefflera</i> (NZAC)
	2 ♂, 1 ♀	" 21 Feb 1964	<i>Neopanax arboreum</i> (NZAC)
	1 ♂	" 30 Jul 1964	<i>Pittosporum</i> (NZAC)
	1 ♀	" 24 Apr 1964	<i>Pittosporum</i> (NZAC)
	1 ♀	" Saddle 14 Aug 1964	<i>Pittosporum</i> (NZAC)
AK	✓ 1 ♂, 3 ♀	Huia, 31 Jan 1974, B.M. May, beaten <i>Tetrapathen tetrandra</i>	(NZAC)
AK	✓ 3 ♂	" 28 Feb 1974	<i>Schefflera digitata</i> (NZAC)
SD	✓ 1 ♀	Stephens l. 9-12 Jan 1931 E.S. Gourlay	(NZAC)
	1 ♂, 4 ♀	" 14-28 Jan 1933	(NZAC)
	1 ♀	" Feb 1971 G. Kuschel	(NZAC)
	1 ♀	" J. Mc Burney	(NZAC)
NN	✓ 1 ♂, 1 ♀	Upper Maitai 3 Mar 1935, E.S. Gourlay	(NZAC)
NN	✓ 1 ♂	" 10 Mar 1960	(NZAC)
NN	✓ 2 ♀	Nelson 13 Dec 1952	(NZAC)
"	1 ♀	" 18 Nov 1934	(NZAC)
"	1 ♀	" 10 Nov 1932	(NZAC)
?	2 ♂, 1 ♀	Puke Atua Bush 12 Jan 1944	(NZAC)
NN	✓ 1 ♂, 2 ♀	Whangapeka Valley 3 Feb 1935	(NZAC)
NN	✓ 2 ♀	Pahurangi R. 21 Jan 1972, G. Kuschel, <i>Rhopalosiphum sapida</i>	(NZAC)
WI	✓ 2 ♂	Pohangina Valley, Totara Reserve, 29 Dec 1975, J.C. Watt, sweeping	(NZAC)
TK	✓ 2 ♂, 1 ♀	Dawson Falls, Mt Egmont, 28 Feb 1972, G. Kuschel, on <i>Carmichaelia egmontiana</i>	(NZAC)
TK	✓ 1 ♂, 2 ♀	Stratford, 100m, Mt Egmont 29 Feb 1972 on "	(NZAC)
NN	✓ 1 ♀	Botanical Reserve, Nelson, 29 Jan 1971, A.C. Eyles	(NZAC)
	✓ 1 ♀	Botanics, Nelson, 11 Dec 1957, E.S. Gourlay	(NZAC)
	✓ 1 ♀	Botanical Hill, Nelson, 26 Sep 1967, J.C. Watt on <i>Meliclytus ramiflorus</i>	(NZAC)
NN	✓ 1 ♂	Roding R. Valley, 23 Oct 1972, B.A. Holloway	(NZAC)
	✓ 1 ♂	Aniseed V, 13 Nov 1972, G. Kuschel	(NZAC)
	1 ♀	" 14 Jan 1976, A.K. Walker	(NZAC), beating <i>Nothofagus menziesii</i>
	1 ♀	Nelson City, 21 Oct 1968 G. Kuschel	(NZAC)
	1 ♀	Eves Valley, 30 Oct 1972	(NZAC)
	1 ♀	Nelson City 20 Jan 1960 J. Mc Burney	(NZAC)
	1 ♀	" Feb 1969, B.A. Holloway	(NZAC)
	✓ 1 ♀	Cobb V., 26 Jan 1972, G. Kuschel, on <i>Carmichaelia</i> sp	(NZAC)
	1 ♀	Maitai V. 10 Dec 1972, G. Kuschel	(NZAC)
TO	4 ♀	Oio, 20 Jan 1936, F. Gardner	(NZAC)
NN	✓ 1 ♀	Kaihoka Lakes, 12 Jan 1966, A.K. Walker	(NZAC)
BP	✓ 1 ♀	Tarawera >1000', 8-11 Feb 1969, Malaise trap, H.A. Oliver	(NZAC)

Phymatus phymatodes Redt.

- AK 1♂ ✓ Hunua Pa, 550m, Kohukohunua, 30 Mar 1974, G. Kuschel (NZAC)
- SD 1♂ ✓ Slip Cove, 27-30 Nov 1972, J. McBurney (NZAC)
- (SC) 1♂ ✓ Opihi River, Highway 1, 21 Feb 1976, sweeping, LL Deitz (NZAC)
- SD 1♂ ✓ Chetwode Is., 15-16 Jan 1964, E.S. Gourlay (NZAC)
- SD 1♂ ✓ Picton 30-31 Mar 1935, E.S. Gourlay (NZAC)
- TK 1♂ ✓ Tarata, Taranaki, 2 Apr 1957, R.A. Cumber (NZAC)
- AK 1♂ ✓ Karekare Feb 1916, A.E. Brookes (NZAC) Drawn D.W. Helmore 22 Feb 80
- BP 1♂ ✓ Blue Lake, Rotorua, 15 May 1957, E.S. Gourlay (NZAC)
- WN 1♂ ✓ Wellington, G.V. Hudson [cct. phymatodes (Vienna) 1964] (NZAC)
- BR 2♂ ✓ Greymouth, Feb 1926, T.A. Harris [cct. phymatodes (Vienna) 1964] (NZAC)
- WN 1♂ ✓ Linden 7 Feb 1973, R. Craw, on Rhipogonum (NZAC)
- WN ✓ 1♂, 2♀, Ruahine St, Wellington, 3 Mar 1960, D.N. Edwards (NZAC)
- NN ✓ 2♀ Brightwater, 1967, C. Lackner (NZAC)
- WN ✓ 1♂ Makara, Wgtn, 4 Oct 1962 D.N. Edwards (NZAC)
- WN ✓ 1♂, 1♀ " " 6 Feb 1963 " (NZAC)
- TK ✓ 1♂, 1♀ Paiaka 15 Jan 1950, R.A. Cumber (NZAC)
- WN ✓ 1♂ Korokoro 12 Dec 1915, A.C. O'Connor (NZAC)
- WN ✓ 4♂ Colonial Knob, 13 Jan 1973, R. Craw, on dead Mahoe (NZAC)
- NN ✓ 1♀ Baigents Bush, Wakefield, 26 Aug 1965, G. Kuschel, beaten silver beech, (NZAC)
- NN ✓ 2♂ Botānics, Nelson, 11 Dec 1957, E.S. Gourlay (NZAC)
- ↓ ✓ 1♂ Kaihoka lakes, 10 Jan 1966, A.K. Walker (NZAC)
- ↓ ✓ 2♀ Nelson ^{Reservoir}, 20 Dec 1956, E.S. Gourlay (NZAC)
- WN ✓ 1♀ Karori, 21 Mar 1917, G.V. Hudson (NZAC)
- ND ✓ 1♀ Waipu, Northland, Jan 1914, A.E. Brookes (NZAC)
- NN ✓ 1♂, 1♀ Aorere V., 10-18 Feb 1949, A.E. Brookes (NZAC)
- ↓ ✓ 1♀ Awarua Bay, Taraka Dist., 2-7 Feb 1949, A.E. Brookes (NZAC)
- ↓ ✓ 1♂, 1♀ Pigeon V. Saddle 1200', Taraka Dist., 1 Feb 1949, A.E. Brookes (NZAC)
- SD ✓ 2♀ D'Urville I., 23 Mar 1942 E.S. Gourlay (NZAC)
- 1♂ No data (NZAC)
- WI ✓ 1♀ Totara Forest Reserve, Manawatu, 18 Dec 1948, A.E. Brookes (NZAC)
- NN ✓ 1♂, 2♀, Canaan 2000', 22 Jan 1949, A.E. Brookes (NZAC)
- NN ✓ 1♂, 2♀, - - - - 23 Jan 1949 - - - -
- RI ✓ 3♀ Ohakune, 1 Jan 1917, ~~A.E.~~ A.E. Brookes (NZAC)
- BR ✓ 2♂ Greymouth 19-21 Jan 1957, E.S. Gourlay (NZAC)
- NN ✓ 1♂ Nelson, 18 Dec 1953 E.S. Gourlay (NZAC)
- WN ✓ 1♂ Karori, no date G.V. Hudson (NZAC)
- NN ✓ 1♀ Nelson, 13 Dec 1951, E.S. Gourlay (NZAC)
- NN ✓ 1♀ Motueka no date G.V. Hudson (NZAC)
- BP ✓ 1♀ Blue Lake, Rotorua, 23 Jan 1960 J.I. Tansend & R. Zondag (NZAC)
- NN ✓ 1♀ Dun Mt., 13 Nov 1961, G. Kuschel (NZAC)
- NN ✓ 1♀ Maitai, 21 Dec 1949, K. Dawber (NZAC)
- NN ✓ 1♀ Ruby Bay 9 Dec 1962, G. Kuschel (NZAC)

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- NN 1♂ ✓ Nelson, 2 Dec 1922, R.J. Tillyard (NZAC)
- 2♂ no data (NZAC)
- SD 1♂ ✓ Elie Bay, 10 Nov 1949, E.S. Gourlay (NZAC)
- 2♂ no data (NZAC)
- NN 1♂ ✓ Gordons [Kimb] Brown Coll 969-x (NZAC)
- 8♂, 3♀ no data ~~NZ~~ (NMNZ)
- WN 1♀ ✓ Kaitoke 25 Dec 1909, A.C. O'Connor (NMNZ)
- WN 1♂ ✓ Titahi Bay 18 Feb 1912 (NMNZ)
- WN 1♂ ✓ Silverstream 31 Jan 1909 (NMNZ)
- " 1♀, 1♂ ✓ Korokoro 6 Dec 1915 H.H. (NZAC)
- " 1♀ ✓ Wellington G.U. Hudson (NZAC)
- 1♂ no data (NMNZ)
- WN 1♂ ✓ Haywards 4 Apr 1909 A.C. O'Connor (NMNZ)
- " 1♂ ✓ Porirua Pa 1 Jan 1912 (NMNZ)
- " 1♂ ✓ Korokoro 12 Dec 1915 (NMNZ)
- 1♀ ✓ Blenheim 6 Dec 1908 (NMNZ)
- WN 1♀ ✓ Taita 11 Feb 1909 (NMNZ)
- NN 1♀ ✓ Motueka 18 Jan 1909 (NMNZ)
- WN 1♀, 1♂ ✓ Vogeltown Wgtn 19 Jan 1963, R.G. Ordish, on Muehlenbeckia (NMNZ)
- " 1♀ ✓ Wgtn, March 1904, Lewis Collⁿ (NMNZ)
- " 2♀ ✓ Petane Wairararapa, 20 Sep 1949, R.R. Forster (NMNZ)
- " 2♂ ✓ Taita 11 Mar 1909, A.C. O'Connor (NMNZ)
- NN 1♂ ✓ Nelson 13 Mar 1925, E.S. Gourlay (NMNZ)
- WN 1♂ ✓ Kaitoke, 24 Dec 1909, HWS (NMN)
- " 1♂ ✓ Kaitoke 25 Dec 1909 (NMNZ)
- " 2♀ ✓ Haywards 4 Apr 1909 A.C. O'Connor (NMNZ)
- " 1♀ ✓ Titahi Bay 1 Nov 1908 (NMNZ)
- 1♀ " " 1907 A.C. O'Connor (NMNZ)
- 1♂ (1646g) Wiltons Bush 28 Jan 1934 G.U. Hudson (~~NZAC~~) (NMNZ)
- 1♂ (1646h) Gollans Valley 7 Jan 1934, (~~NZAC~~) (NMNZ)
- 2♂ (1646k) Wiltons Bush 5 Nov 1942 (~~NZAC~~) (NMNZ)
- 2♂ (444a,b) Karori, Jan & Feb 1902 G.U. Hudson (~~NZAC~~) (NMNZ)
- 1♂ (444n) Karori Reserve 6 Dec 1938 (~~NZAC~~) (NMNZ)
- 1♂ (444e) Gollans Valley 19 Oct 1921 (~~NZAC~~) (NMNZ)
- 2♂ (444kp) Gollans V. amongst fallen nikau palms 9 Sep 1920, ^{G.U. Hudson} (~~NZAC~~) (NMNZ)
- 1♂ (444l) Campbells Hill Bush, 13 Feb 1923, G.U. Hudson (NMNZ)
- 1♂ (444m) Korokoro, 18 Nov 1943, G.U. Hudson (NMNZ)
- 1♂ (444c) Karori Jan 1902, basket from pludge G.U. Hudson (NMNZ)
- 1♂ (444p) Campbell Hill, Karori, 10 Apr 1936 (NMNZ)
- 1♀ (770u) Karori Res. 13 Oct 1936 G.U. Hudson (NMNZ)
- 2♀ (770vw) Gollans Valley 27 Oct 1936 (NMNZ)
- 1♀ (770x) Karori Reserve 11 Aug 1936 (NMNZ)

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- WN ✓ 1♀ (770y) Karori Reserve, 16 Oct 1937, G.V. Hudson (NMNZ)
- " ✓ 1♀ (770z) Wiltons Bush 11 Feb 1936 (NMNZ)
- NN ✓ 1♀ (770a) Motupiko 11 Jan 1919 (NMNZ)
- WN ✓ 1♀ (770b) Campbells Hill Bush 13 Feb 1916 (NMNZ)
- ✓ 1♀ (770c) Pokororoi 9 Jan # no year, G.V. Hudson (NMNZ)
- NN ✓ 1♀ (770d) Campbells Hill Bush 28 Dec 1925 (NMNZ)
- 1♀ (770h) Crows Nest 15 Feb 1921 G.V. Hudson (NMNZ)
- ✓ 1♀ (770k) Waimiomata 12 Feb 1921 (NMNZ)
- 1♀ Korokoro, 9 Nov 1920, G.V. Hudson (NMNZ) (770l)
- ✓ 1♀ (770m) Gollans Valley 19 Oct 1921 G.V. Hudson (NMNZ)
- 1♀ (770n) " " 24 Dec 1921 (NMNZ)
- ✓ 1♀ (770p) Korokoro, 17 Feb 1923 G.V. Hudson (NMNZ)
- ✓ 1♀ (1646a) Wiltons Bush 6 Feb 1931 (NMNZ)
- 1♀ (1646e) " " 8 Dec 1939 (NMNZ)
- 1♀ (1646d) " " 11 Feb 1939 (NMNZ)
- 1♀ (1646f) " " 10 Oct 1939 (NMNZ)
- ✓ 1♀ (1646b) Makara Bush 21 Feb 1929 (NMNZ)
- ✓ 1♀ (1646c) Gollans Valley 5 Apr 1935 (NMNZ)
- ✓ 1♂ ~~1646~~ (610a) Karaka Grove, near Sinclair Head 21 Apr 1925, G.V. Hudson (NMNZ)
- ✓ 1♂ (610b) Wiltons Bush 15 Nov 1940 G.V. Hudson (NMNZ)
- 1♂ (610c) " " 28 Feb 1943 (NMNZ)
- 1♀ (610d) " " " " " " (NMNZ)
- 1♂ (610e) " " " " " " (NMNZ)
- ✓ 1♀ (281a) Wellington, autumn 1888 (NMNZ)
- 2♀ (281bc) Waimarino Dec 1931 (NMNZ)
- WN ✓ 1♀ (281d) Korokoro 18 Nov 1943 (NMNZ)
- " 1♂ (981s) Gollans Valley 6 Mar 1939 (NMNZ)
- 7♂, 8♀ no data (NZAC)
- 2♀ 1♂ " " (NZAC)
- NN 4♀ Atawhai, Dec 1948, A.W. Parrott (NZAC)
- NN ✓ 1♀ Nelson, R.J. Tillyard, 21 Dec 1922 (NZAC)
- SD ✓ 1♂, 2♀ Forsyth I, 8. Nov. 1949, E.S. Gourlay (NZAC)
- TK ✓ 1♀ Hawera, 18 Nov 1966, R.M. Bull (NZAC)
- WN 4♂ Wellington n.o.d. (NZAC)
- MCL ✓ 1♀ Prices Bush #31 Jan 1943, S. Lindsay (CMNZ)
- 1♂ no data except "960" "Anthribus phymatodes" (CMNZ)
- MC ✓ 1♀ Hilltop, 10 Jan 1925, A. Tonnoir (CMNZ)
- ✓ 1♀ no data except "896" "Anthribus lanuginosus" (CMNZ)
- 1♀ " " "990" " " "fuscipictus" (CMNZ)
- 1♂ PARALECTOTYPE "Anthribus picipictus" "1317" (CMNZ) label affix BAH 1966
- WN ✓ 1♂, 1♀ Wiltons Bush, 30 Dec 1937, S. Lindsay (UCNZ)
- NN ✓ 1♀ Dun Mt Track 2 Jan 1939, S. Lindsay (CMNZ)
- 4♀ no data except 986 in Brunns H/W. (CMNZ)

Phymatus phymatodes

- TO 3 ♀ (167, 168, 174), Taurewa S.F., National Park, 9 Nov 1960, M.A. Stoodley REARED Chamaecyparis lawsoniana (FRNZ) em 12/1/61 30/12/60
- TO 1 ♀ (170) " " " " REARED (FRNZ)
- NN 2 ♀ (169, 175) Golden Downs S.F., J.G.R. McBurney 13 Jul 59, em 3 Dec + 27 Oct 59 REARED Pinus radiata (FRNZ)
- WN 2 ♀ (172) Wellington District, M.A. Stoodley 7 Feb 1961 (FRNZ)
- BP 1 ♀ (173) Blue Lake, Rotorua 25 Aug 1958, em 24 Dec 1958, R.H. Milligan REARED Neopanax sp. (FRNZ)
- AK 1 ♂ (176) Woodhill S.F. R.B. De Lantour 7 Apr 1960, R.B. De Lantour (FRNZ)
- BP 2 ♀ (177) em 15 Jan 1958 Rotorua, R.H. Milligan REARED Quercus suber (FRNZ)
- TO/BP 1 ♀ (178) Murupara, 7 Apr 1959, NO Secombe REARED Cianthus sp. (FRNZ)
- MC 1 ♀ (179) Bottle Lake, ChCh, R.M.J. McKenzie em 21 Jan 1961 REARED Lupinus sp. (FRNZ)
- BP 2 ♀ (180) FRI, Rotorua R.H. Milligan em 2 Oct 1961 REARED Pinus radiata (FRNZ)
- TO/BP 1 ♂ (181) Murupara, em 7 Apr 1959, NO Secombe REARED Cianthus sp. (FRNZ)
- " 2 ♀ (182) (183) " " " " (FRNZ)
- NN 1 ♂ (140) Golden Downs S.F., J.G.R. McBurney em 5 Nov 1959 REARED Pinus radiata (FRNZ)
- BP 2 ♂ (290) FRI, Rotorua, R.H. Milligan, em 2 Oct 1961 REARED Pinus radiata (FRNZ)
- TK 1 ♂ (291) New Plymouth, M.A. Stoodley em 30 Nov 1961 REARED Lupinus sp. (FRNZ)
- " 1 ♂ (299) " " " " em 7 Dec 1961 (FRNZ)
- BP 1 ♂ (292) Waimangu, em 2 Mar 1959 REARED Neopanax sp. (FRNZ)
- WN 2 ♂ (293) Wellington Province, M.A. Stoodley 7 Feb 1961 (FRNZ)
- TO 1 ♂ (294) S.F. 90, E. Taupo, 21 Jan 1960 coll? (FRNZ)
- BPL 1 ♂ (287) Rotorua em 17 Feb 1958, R.H. Milligan REARED Quercus suber (FRNZ)
- WN 1 ♂ (288) Waitare S.F. M.A. Stoodley, em 27 Oct 1959 REARED Lupinus sp. (FRNZ)
- NC 1 ♂ (289) Jed River, Cheviot, W.A. Holloway em 9 Jan 1962 REARED Lupinus sp. (FRNZ)
- AK 1 ♂ (297) Woodhill S.F., R.B. de Lantour, em 7 Apr 1960 (FRNZ)
- MC 1 ♂ (300) Bottle Lake, ChCh, R.M.J. McKenzie, em 2 Mar 1961 REARED Lupinus sp. (FRNZ)
- TO 1 spec (298) Erua S.F., National Park, M.A. Stoodley, 14 June 1961 REARED Pittosporum sp. (FRNZ)
- BP 1 spec (171) FRI, Rotorua, J.S. Dugdale 19 Oct 1959 (FRNZ)
- BP 2 ♀ (FRI 33, FRI 34) Rotoehu S.F., Bay of Plenty, em Oct 1948, N.M.W. REARED Pinus patula cones (FRNZ)
- BP 1 ♀ (FRI 35) Mamaku S.F. Bay of Plenty 21 Jan 1953 (FRNZ)
- TO/R 1 ♀ (FRI 36) Rangitaua, nr Ohakune, on Noth. fusca, N.M.W. 15 Dec 1949 (FRNZ)
- BP 2 ♂ (FRI 46, FRI 47) Whakarewarewa S.F. 9 Jan 1953 R. Zondag (FRNZ)
- BP 1 ♂ (FRI 44) Rotorua, 2 Nov 1961, J.M.S., in garden (FRNZ)
- BP 1 ♂ (FRI 51) Mangorewa Gorge, Bay of Plenty 22 Jan 1949 G.B.R. (FRNZ)
- BP 1 ♀ (FRI 69) Whakarewarewa Oct. 1948, N.M.W. (FRNZ)
- MB 1 ♀ (FRI 166) Hanmer S.F., beaten P. radiata 19 Mar 1959, R.J. McKenzie (FRNZ)
- MC 1 ♂ (FRI 167) Springfield woodlot, Cantb. 22 Jan 1958 (FRNZ)
- BP 2 ♂ (FRI 172 + 173) Whakarewarewa, beaten Douglas fir (taxifolia) 9 Mar 1960 G.B.R. (FRNZ)
- MC 1 ♂ (FRI 177) Springfield Cantb, beaten P. radiata 22 Jan 1958, R.J.M. (FRNZ)
- NC 1 ♂ (FRI 178) Ashley S.F. Cantb. 6 Jan 1958, R.J. McKenzie (FRNZ)
- NC 2 ♂ (FRI 179) Eyrewell S.F. Cantb. 22 Jan 1958 R.J. McKenzie (FRNZ)
- NC 3 ♂, 4 ♀ (FRI 180-182) Ashley S.F. Cant. 6 Jan 1958, R.J. McKenzie (FRNZ)
- NC 1 ♀ (FRI 186) " " " " 21 Feb 1956 (FRNZ)
- BP 1 ♀ (FRI 185) Whakarewarewa S.F., on P. radiata em 7 Apr 1959 R.Z. REARED (FRNZ)
- BP 1 ♀ (FRI 189) " " " " 31 Mar 1948, G.B.R. (FRNZ)

Phymatus phymatodes

- NC 110 (FRI 193) Eyrewell woodlot Cantb. 22 Jan 1958 R.J. McKenzie (FRNZ)
- BP 110 (FRI 205) FRI, Rotoma, 25 Aug 1969, J.H.S. (FRNZ)
- NC 110 (FRI 190) Ashley Dist, Cantb. (FRNZ)
- BP 110 (FRI 199) Kaingaroa S.F. 25 Sep 1957, N.O. Secombe (FRNZ)
- KA 110 (FRI 192) Kaikouma Coast, N Cant., on P. radialis, 13 Mar '58, R.J. McKenzie (FRNZ)
- NC 110 (FRI 196) Ashley SF Cantb. 6 Jan 1958, R.J. McKenzie (FRNZ)
- NN 107, Nelson 16 Mar 1923, A. Philpott (NZAC)
- NN 107, Nelson, Botanic. 13 Dec 1952, ES Gourlay (NZAC)
- TO 107, Ruapehu 4000', track to Taranaki Falls, 25 Nov 1965, J.I. Townsend (NZAC) ^{on Dacrydium biduwaiti}
- WN 107 Wellington, 5 Sep 1942 coll? (NZAC)
- NN 107 Nelson, Nov 1955, ES Gourlay (NZAC)
- TK 1 spec Paika, 5 Jan 1950, R.A. Cumber (NZAC)
- BP 407 Holotype of cornutellus Braun Tararua [Hol label off Feb '65 BAH] (BMNH) ^{seen again July 1980.}
- ND 107 (labelled cornutellus) Kerikeri (BMNH) ^{near Rotoma}
- WN 107 lectotype of picipictus Br. Wellington [Lect. lab off. Feb '65 BAH] (BMNH) ^{seen again July 1980.}
- WN 107 Wellington paralectotype picipictus Wellington (BMNH)
- ~~107 Wellington paralectotype picipictus Wellington (BMNH)~~
- AK 107 Waitakere (as 1317 var) (BMNH)
- BR 110 Holotype of tuberosus, Greymouth, Helms (BMNH) ^{seen July 1980.}
- BR 130 (labelled tuberosus D.S.) Greymouth Helms ¹⁸⁸¹ in Sharp coll (BMNH) ^{seen July 1980.}
- CL 110 Holotype lanuginosus Braun Tairua [Hol. label off. Feb '65 BAH] (BMNH) ^{seen again Oct 1980}
- WN 107 Holotype lewinensis Braun Levin, Wellington [Hol. lab off. Feb '65 BAH] (BMNH) ^{seen again Oct 1980}
- WN 207 40, Te Mana, upper hut, em 21 Oct '76 - 18 Apr 1977 **REARED** ^{Dead branches Pseudop. arboreum S. Millar} (NZAC)
- NN 110 Flora Hut, 27 Dec 1972, on Nothofagus, G. Kuschel NZAC
- NN 110 Dun Mt 600m, 6 Feb 1973, B.A. Holloway (NZAC)
- TO 110 Taupo, 21 Jan 1936, J.S. Armstrong (NZAC)
- NN 110 Whangapeka Valley, 3 Feb 1935, ES Gourlay (NZAC)
- 107 Holotype of phymatodes, New Zealand, Hochstetter, 1860* (NHMW)
- * 1860 cannot be a collecting date as Hochstetter left NZ in Oct 1859.
- WN 107 Stokes Valley, 13 Jan 1965, K.J.G. (PM Johns Collⁿ)
- MC 107 Deans Bush, 20-23 Dec 1949, J.S. Dugdale (PM Johns Collⁿ)
- ND 107 Wanganui R. Mouth, Harihari, 13-19 Jan 1979, PM Johns (PM J Collⁿ)
- MC 107 Armstrong Reserve, Akaara, 15 Oct 1977, Nothof. fusca, (PM Johns Collⁿ)
- WD 110 Shyke River Marshlands, no date (PM J. Collⁿ)
- MC 20 Montgomery Seen. Res, Banks Penin., 27 Jan 1981, (PM J Collⁿ)
- MC 107 Jallies 10 Dec 1980 ()
- SD 110 Oruawairua I. Q. Charlotte St. 31 Jan - 4 Feb 1980, Malaise trap (PM J Collⁿ) (BMNH)
- WN 1807, 1307, Wellington (Willins Bush, Karori, Korokoro, Kaitoke, Khandallah, Gollans V) 1939-1941, G.V. Hudson
- BP 207 110 Ngonataha, Rotoma H Swale (before 1913) (BMNH)
- ND 110 Waimatenui, C.E. Clarke (before 1957) (BMNH)
- NN 107 Maitai R. (BMNH)
- WO 110 Waitomo C.E. Clarke (pre 1957) (BMNH)
- WO 110 Otorohanga (BMNH)
- WO/RI 110 Ohakeane (BMNH)

Phymatius 9 phymatodes

1950⁷, 1970², 3 specimens PMJC.
Total examined: 395 (BMNH, CMNZ, FRNZ, NMNZ, NZAC, UCNZ)

Localities: North Island (~~Northland~~ ND, AK, BP, TO, TK, RI, WI, WN) + South Island (NN, SD including Stephens I. + D'Urville I, MB, KA, BR, NC, MC) from sea level to 4000' (1250m)
 Northernmost record: ~~Waipatu~~ ^{Waikaremuhi} ND; Southernmost record: Tices Bush, MC.

Seasonal Records: Throughout the year.

Plant Associations: Reared from dead stems ② Cassinia sp. (Compositae), dead stems ⑩ Coprosma robusta (Rubiaceae), ③ Chamaecyparis lawsoniana (Cupressaceae), ⑧ Pinus radiata (Pinaceae), ① Neopanax sp. (Araliaceae), ④ Quercus suber (Fagaceae), ⑥ Clicanthus sp. (Papilionaceae), ⑤ Lupinus sp. (Leguminosae), ⑨ Pittosporum sp. (Pittosporaceae), cones of Pinus, ⑦ patula ~~sp.~~ (Pinaceae), Has been beaten from ④ Tetrapathen tetrandra (Passifloraceae), ① Schefflera digitata (Araliaceae), ② Rhopalostylis sapida (Palmae), ⑦ Melicthys ramiflorus dead Mahoe (Violaceae), ③ Carmichaelia quinquefida (Papilionaceae), ⑤ Pseudotsuga taxifolia Douglas fir (Pinaceae), ⑥ Muehlenbeckia sp. (Polygonaceae).

WN 4 ♂ 11 ♀, Wellington (Korori Wilkins Bush, Korokoro, Gollans V), 1940-42, G. Uthman (BMNH)
 - 1 ♀ New Zealand (pre 1913) BMNH.

Pleosporius bullatus

006

Pleosporius bullatus Sharp, 1876

SI 10 ♂, 4 ♀, Big S. Cape I. (NE.) Feb 1969, SW Stewart I., B.A. Kuschel, Dead Olearia ^{Colensoi} grandis.
(ED) [All ♂♂ without white on rostrum] 1 ♀ with euankenariaceous sooty mould spores
in gut

SI 1 ♂ 1 ♀, Big S. Cape I., SW Stewart I., ^{beaten} Olearia ^{& general beating} Colensoi grandis, Nov 68, G. Kuschel (ED) [No white on rostrum of ♂]

SI 1 ♂ BSC. general beating Feb '69, B.A. Kuschel (ED) [No white on rostrum]

SI 1 ♂ " Senecio, 7 Feb '69, B.A. Kuschel (ED) [No white on rostrum]

SI 2 ♂, BSC, general beating Feb '69, J.I. Townsend (ED) [" "]

AK 1 ♀, Hunua Rav, 550 m, Kohukohunui, 30 Mar 1974, G. Kuschel (ED)

JD 1 ♀ Spirits Bay, Nov 1967, J.I. Townsend, ex dead Whau wood (ED)

JN 1 ♂ Kaihoka Lakes, 10 Jan 1966, A.K. Walker (ED) [No white on rostrum]

AK 2 ♂, 4 ♀, Lynfield, 25 Jan 1975, cut Beilschmiedia, G. Kuschel (ED) [♂♂ white rostr.]

AK 1 ♀ Lynfield 6 Jan 1977 G. Kuschel (ED)

AK 1 ♂, Lynfield 1 Feb 1975 (ED) [White on rostrum]

AK 3 ♀, Lynfield, 30 Nov 1975 ^{G. Kuschel} (ED) 1 spec with spores & fruiting body tissue of Pleosporaceae ^{Ascomycetes.}

AK 1 ♂, Lynfield 13 Mar 1976, G. Kuschel (ED) [White on rostrum]

AK 1 ♂, Lynfield 31 Jan 1976, G. Kuschel, on flowering Schefflera (ED) [White on rostrum]

AK 1 ♀, Lynfield 20 Dec 1975, G. Kuschel

AP 3 ♂ Blue Lake, Rotorua, 23 Jan 1960, J.I. Townsend + R Zondag (ED) [Rostrum with creamish hairs & not completely fused between eyes] ^{hairs}

JD 2 ♂ Hen Island 7 Jan 1963, E.S. Gourlay, ex Hoheria [White hairs on rostrum]

SI 1 ♂, 2 ♀, B.S. Cape I., SW Stewart I., Feb 1969, J.I. Townsend, general beating (ED) [Yellowish scales - rather sparse] ^{Yellowish scales} [No white on rostr.]

JN 2 ♀ Botanical Hill, 29 Sep 1967, J.C. Watt, Melicthys ramiflorus (ED)

LC 2 ♂, Purau, Banks Peninsula, 22 Feb 1965, P.M. Johns, beating Coprosma (ED) [Extensive dense white on rostrum]

JD 1 ♂, Mt Horokaka, Tangihua Ra, J.S. Dugdale, em 28 Sep 1977 from dead Melicthys coll.
16 Aug 1977. [Dense white on rostrum]

N 2 ♂, 2 ♀ Wakapuaka, J.I. Townsend + J.B. Wallen, em 23 Nov 66, 17 Nov 66, 28 Nov 66, 4 Nov 66 from
dead Pittosporum eugenioides (incorr as ^(a lemonwood) elmwood) coll 7 Aug 1966 (ED) [No white or yellow on rostr.]

JN 1 ♂, Titahi Bay, 23 Jan 1910, A.C. O'Connor (ED) [white on rostrum]

D 1 ♀, Shakespeare Bay, Picton, J. McBurney, 11 Aug 1969, litter, (ED)

SI 1 ♂, Tapu Hill, Coromandel, 26 Jan 1960, J.I. Townsend + R Zondag (ED) [White on rostrum]

N 1 ♂, 3 ♀, Upper Maitai, 3 Mar 1935, E.S. Gourlay (ED) [No white or yellow on rostrum]

C 1 ♀ Riccarton Bush, 15 Sep 1936, E.S. Gourlay (ED)

N 2 ♂, Pigeon Saddle, Takaka, 1 Feb 1949, A.E. Brookes (ED) [No white or yellow on rostrum]

38 ♂ 28 ♀

Plesporius bullatus (Sharp, 1876)

- UN 10[♂] 1 ♀; Linden, 7 Feb 1973, on Rhipogonum, R. Crow (ED) [Yellowish white on rostrum]
- UN 10[♂] 1 ♀ Eastern Hills, 18 Dec 1962, D.N. Edwards (ED) [Extensive white on rostrum]
- 1 ♀ No data 1966 T. Brown Dup. Collⁿ (ED)
- NO 1 ♀ Okauia, Matamata, 30 Jul 1920, A.E. Brookes (ED)
- UN 1 ♀ Wainuiomata T. Brown Dup. Collⁿ 3145 ED cct A. maurus[♀] + A. suspectus[♀]
Feb 1966, B.A. Holloway
- 1 ♀ No data, ex Brown Collⁿ cct A. rugifer Feb 1966 B.A. Holloway
- UN 1 ♀ Forest Reserve, near Levin, 20 Apr 1948, A.E. Brookes (ED) cct A. rugifer Feb 66 B.A.H.
- IL 10[♂] Tairua, E. Coast T. Brown, no date. cct A. anguliceps Feb 1966, B.A. Holloway
(ED) [Yellowish white on rostrum]
- 10[♂] No data, T. Brown dup. Collⁿ 1966, cct A. anguliceps Feb 1966, B.A. Holloway
(ED) [white on rostrum]
- MC
~~AK~~ 1 ♀ Scarcliff ^{near Melthorn} 20 Oct 1913, no other data (ED)
- AK 1 ♀ Purewa Bush, 20 Feb 1943, D. McKenzie (ED)
- UN 1 ♀ Wainuiomata, Dec 1916, G.V. Hudson (NM) Hudson Coll 847 a
- UN 1 ♀ South Karori 12 Dec 1936 (. .) 847 b
- UN 2 ♀ Bush Hills, Karori, 28 Jan 1917 (. .) 847 c, d
- UN 1 ♀ Campbells Hill Bush Karori 18 Mar 1917 (. .) 847 e
- UN 1 ♀ Groves Bush 20 Feb 1916 () 847 f
- UN 20[♂], Campbells Hill Bush, Karori 28 Jan 1917 G.V. Hudson (NM) 848 a, c
- UN 10[♂], South Karori 1 Feb 1936, G.V. Hudson (NM) 848 b
- UN 20[♂], Crows Nest Range, 15 Feb 1921, G.V. Hudson (NM) 848 d, f
- UN 10[♂], Korokoro, 3 Mar 1925 G.V. Hudson (NM) 848 e
- UN 10[♂] Kaitoke 25 Dec 1908, A.C. O'Connor (NM)
- UN 10[♂] Ohau Nov 1908, A.C. O'Connor (NM)
- UN 10[♂] Titahi Bay 23 Jan 1910, A.C. O'Connor (NM)
- 10[♂] 5 ♀, no data (NM) [white on rostrum]
- UN 1 ♀, Korokoro 5 Dec 1915, A.C. O'Connor (NM)
- AC 1 ♀ Prices Bush 29 Dec 1942, S. Lindsay (CM)
- 1 ♀ No data (ZDCU)
- JO 1 ♀ Otewa Gorge, Waipa R., Otorohanga. 19 Jan 1941 Coll? (AM)
- UN 1 ♀ Gollans Valley, 15 Feb 1924, G.V. Hudson (AM)
- UN 20[♂] Wellington, G.V. Hudson, no other data (NM) [white on rostrum]

All with white on rostrum

all with white on rostrum

Pleosporius bullatus (Sharp 1876)

- 1 ♂ (FRI 231) Lab Ref No. W7, 31 Oct 1958 (FRI) [white on rostrum] [DRAWN D.H.]
- 1 ♀ (FRI 232) W7, 17 Dec 1958
- TO 1 ♀ (FRI 215) S.F. 90, East Taupo, R.H. Milligan em Apr 1957 ex branches of Nothofagus fusca (FRI)
- TO 1 ♂ (FRI 228) S.F. 90 E-Taupo; R.H. Milligan, em 18 Feb 1957, Nothofagus-fusca (FRI) [White on rostrum]
- MC 1 ♂ (FRI 174) Hopkins Forest, Canterbury, 27 Mar 1959, R.J. Mark, on dead Nothofagus foliage (FRI) [no white or yellow on rostrum]
- 1 ♂ (FRI 195) Lab Ref No. W7, 4 Nov 1958 (FRI) [white on rostrum]
- BP 1 ♀ (FRI 21) Mangorewa Gorge, Bay of Plenty 22 Jan 1949, G.B. Rawlings. (FRI)
- TO 1 ♀ (FRI 223) S.F. 90 E-Taupo, em 3. Mar 1958, from Noth. menziesii (FRI)
- TO 1 ♀ (66) S.F. 90, E-Taupo, 16 Jan 1960, L.W. Newman. Reared from Pittosporum tenuifolium (FRI)
- BP 1 ♂ (FRI 22) Mangorewa Gorge, BP, 22 Jan 1949, G.B. Rawlings (FRI) [dense white on rostrum]
- TO 1 ♀ (68) S.F. 90, E-Taupo, 9 Oct 1958, R.H. Milligan. Reared Noth. menziesii (FRI)
- TO 1 ♀ (FRI 220) S.F. 90, E-Taupo em 17 Dec 1957, Noth. fusca branches R.H. Milligan (FRI)
- 1 ♀ (FRI 223) W73 29 Dec 1958 (FRI)
- CL 1 ♂ (FRI 170) Kaueranga S.F. 20 Jan 1960, R. Zondag & I. Townsend (FRI) [White on rostrum]
- 1 ♂, 1 ♀ (FRI 105) W7 16 Oct 1958 & 22 Oct 1958, (FRI) [white on rostrum]
- TO 1 ♂ (FRI 185) S.F. 90, E-Taupo R.H. Milligan. Em 12 Dec 1957. Noth. fusca (FRI) [white on rostrum]
- BP 1 ♂ (FRI 20) Whakarewarewa, 28 Oct 1958, M.N. (FRI) [dense white on rostrum]
- BP 1 ♀ (FRI 163) Mangorewa Gorge, 21 Jan 1949, G.B. Rawlings (FRI)
- BP 1 ♀ (67) Kaingaroa S.F., N.O. Seccombe, em 29 Sep 1959 from Pittosporum tenuifolium (FRI)
- TO 1 spec. (64) Kariri S.F., 10 Oct 1961 MA Stoodley. Reared from Hypoxylon sp. (Ascomycetes: Xylariaceae) fruiting body* on Nothofagus cliffortioides. (FRI - returned Sep 69) * 1.63 cm in diam, black, spherical.
- BP 1 spec. (65) Kaingaroa S.F., N.O. Seccombe, em 29 Sep 1959 from Pitt. tenuifolium (FRI - returned Sep 69)

~~182 spec. 227~~
~~182 spec. 227~~ spec. B.C.B.M. (see sheet 5)

North Is. localities: ND, AK, CL, WD, BP, TO, GB, WI, WN
 South Is. localities: SD, NN, BR, MC, OL, FD, SL, SI
 Most northern local: - Spirits Bay
 Most southern local: - Big S. Cape I. off SW Stewart I.
 Has also been collected on Moko Hinau I.

Pleosporus bullatus (Sharp, 1876)

Reared from:-

- 1) dead Melicylus (Violaceae)
- 2) dead Pittosporum eugenioides (Pittosporaceae)
- 3) Hawthorn (Crataegus, Rosaceae) ✓
- 4) Nothofagus fusca branches (Fagaceae) ✓
- 5) Nothofagus menziesii ✓
- 6) Pittosporum tenuifolium
- 7) Hypoxylon (Ascomycetes: Xylariaceae) fruiting body on Nothofagus cliffortioides ✓
9) subcortical dead wood Crataegus menziesii
- 8) Fig twigs. (Ficus Moraceae) ✓

beaten from:-

Also collected on:-

- 1) dead Olearia colensoi grandis (Compositae) ⑦ ✓
- 2) dead whau wood (Entelea arborescens, Tiliaceae) ⑧ ✓
- 3) cut Beilschmiedia (Lauraceae) — ① ✓
- 4) flowering Schefflera (Araliaceae) ②
- 5) Hohenia (Malvaceae) ④ ✓
- 6) Melicylus ramiflorus ⑤ ✓
- 7) Coprosma (Rubiaceae) — ② ✓
- 8) Nothofagus solandri ⑥ ✓
- 9) Rhipogonum (Smilacaceae) ⑧
- 10) dead Senecio (Compositae); ii) dead Karaka (Corynocarpus laevigatus) (Corynocarpaceae)

Seasonal distribⁿ:-

Jan-Apr, July, Oct-Dec. = Oct-Apr, July, May

SPECS EXAM. holotypes anguliceps, maurus, rugifer, lectotype of suspectus, 1350⁷, 138⁹, 2 unsexed.

Altitudinal Distrⁿ S.L. to 2,500'

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

Biology: gut contents:- spores of euantennariaceous sooty mould and of Pleosporaceae. One spec reared from Hypoxylon.
Remarks: Rostral vestiture of ♂.

Pleosporus bullatus

Brown collⁿ - (BM) specimens.

- AK1 ♀ Howick (holotype of maurus) (BM)
- TO1 ♀ ^(New National Park) Waimarino, Jan 1910 (ident^s as maurus) (BM)
- AK1 ♀ Waitakere var A - ~~to~~ maurus (Brownstareworthy) (BM)
- CL10 ♂ Tairua bullatus (Blt/w) (BM)
- AK10 ♂ Pokeno (BM)
- 1 ♀ no data (BM)
- ND10 ♂ Parua (holotype of ^{anguliceps} ~~anguliceps~~) (BM)
- AK1 ♀ Woodhill, Kaipara (holotype of rugifer) (BM)
- ~~CL 1 spec Tairua~~
- ND1 ♀ Mokohinau I. (id. as suspectus) (BM)
- ND1 ♀ Paparou (lectotype of suspectus) (BM)
- SI 15 ♂ 4 ♀ NE Big S. Cape I., 10 Feb 1969, benten dead Senecio, BA Holloway (ED)
- AK 1 ♂ Lynfield, on dead Karaka, 25 Mar 1979, G. Kuschel (ED)
- WO 10 ♂ 5 ♀, Hamilton, 5 Oct 1971, BM May, ex subcortical dead wood of Crataegus
- ~~SI 1 ♂, Big S. Cape I., Nov 1968, monogyna (ED)~~
- SI 1 ♀ Big S. Cape I., Nov 1968, G. Kuschel (ED)
- WI 10 ♂, ^(near Palm-N.) Balance Bridge, 28 Jan 1959, RA Cumber (ED)
- GB 10 ♂ 2 ♀, Waihirere Domain, Gisborne, 26 Oct 1976, N. Katipa, lttw 76/95 (ED)
- ND 2 ♀, Mokohinau Is, Fanal I., 1 Mar 1978, G. Kuschel (ED)
- WI 10 ♂ Balance Bridge, 28 Jan 1959, RA Cumber (ED)
- BP 1 ♀ Lake Rotiti, Otaramanae, 29 Dec 1977, J.S. Dugdale ex dead log in 2nd growth bush (NZAC)
- BP 1 ♀ L. Roiti Reserve, near Polmu, 24-29 March 1978, Sr J. Peck malaise trap (NZAC)
- BR 1 ♂, 6 ♀ Fletchers Creek 800m, 28 Jan 1972, J. McBurney [BFUP] [♂ has no white H-shaped patch on rostrum] (NZAC)
- AK 6 ♂, 3 ♀ Wattle Bay, Lynfield, 9 Dec 1979, on Ulex stump, G. Kuschel (NZAC) ^{White H on rostrum of all males}
- WN 1 ♀ Le Manua, Upperhutt, 10 Nov 1976, S. Millar, REARED dead branchlets Pseudopanax arboreum W76/19
emv Nov 1977. (NZAC)
- AK 3 ♂? Lynfield, Wattle Bay, 16 Nov 1980, G. Kuschel, on Parsonsia. (NZAC) ^{White H on rostrum}
- " 1 ♂ 1 ♀ " " " 8 Nov 1980 " on cut Eucalyptus lehmannii (NZAC)
- " 1 ♂ 1 ♀ " " " on 14 Nov 1979 " REARED wood of Solanum mauritianum (NZAC) ~~on cut Eucalyptus lehmannii~~
- " 1 ♀ " " " emv 27 Nov 1979 " " " (NZAC)

Material Examined: Types of anguliceps, maurus, rugifer, suspectus + 135 ♂
132 ♀, 2 specs. (insulularis)

See spec exam. p. 6.

Sharpus

SPECS EXAMINED

Sharpus browni

(13 pages)

- NN ✓ 3 ♀; Wakefield, 19 Aug 1965, G. Kuschel, A.K. Walker (ED)
- NN ✓ 2 ♀ Foot of Mt Burnett, Collingwood, 26 Oct 1965, J. I. Townsend, on Podocarpus (ED)
- AK ✓ 1 ♀ Titirangi, 25 Dec 1949, E. Bray (ED)
- NN ✓ 1 ♂[?] Nelson, Wakefield, 19 Aug 1965, J. I. Townsend (ED)
- AK ✓ 1 ♀ Owaikaka, 18 Mar 1942, M.W. Carter (ED)
- AK ✓ 1 ♀ Owaikaka 18 Jan 1945 D. Spiller (ED)
- AK ✓ 2 ♀ Titirangi 7 Jun 1942 M.W. Carter (ED) ex Syringa
- AK ✓ 1 ♂[?] Auckland 20 Jan 1942, D. McKenzie (ED)
- AK ✓ 1 ♂ Waitakere, 12 Feb 1950, M. Knight, ex house ED
- AK ✓ 1 ♀ Mangau, AK, 11 Feb 1950 K.P. Lamb (ED)
- AK ✓ 1 ♂[?] Titirangi AK, 4 Apr 1942, M. Carter (ED)
- AK ✓ 1 ♀ Avondale, AK, no date D. Spiller, ex Acacia seed pods (ED) REARED
- AK ✓ 2 ♀, 2 ♂[?] Greenlane, AK, 20 Dec 1948, K.P. Lamb, ex fig twigs (ED) REARED
- AK ✓ 2 ♂[?] Takapuna AK, 12 Mar 1915, A.E. Brookes (ED)
- AK ✓ 1 ♂[?] Avondale, Aug 1949, on window H. Harrison (ED)
- NN ✓ 1 ♂[?] Pigeon Saddle, Takaka, 1 Feb 1949, A.E. Brooke (ED)
- AK ✓ 1 ♂[?] Mt Albert Aug 1914, A.E. Brookes (ED)
- AK ✓ 1 ♂[?] Owaikaka, 11 Jan 1943, M.W. Carter (ED)
- AK ✓ 1 ♀ " 24 Dec 1942 M.W. Carter (ED)
- AK ✓ 1 ♀ St Heliers 29 Aug 1943, D. Spiller, on Lawsoniana hedge (ED)
- AK ✓ 1 ♂[?] Grafton Gully 20 Jan 1951, D. Spiller (ED)
- ND ✓ 1 ♂[?] Mangamuka 1 Feb 1962, B.M. May (ED)
- BR ✓ 1 ♂[?] Mt Robert, 14 Feb 1965, 2000-2300', moss, A.K. Walker (ED)
- JD ✓ 1 ♂[?] Kerikeri, 19 Jan 1956, R.A.J. Wise (ED)
- AK ✓ 1 ♀ Owaikaka, 20 Mar 1942, M.W. Carter (ED)
- NN ✓ 1 ♀ Marsden Valley, 21 Oct 1965, J. I. Townsend (ED)
- NN 4 ♀ Saxon's Rd, Nelson, 14 Feb 1964, E.S. Gourlay, rushes (ED)
- NN ✓ 3 ♀ Baigents Bush, 19 Aug 1965, J. I. Townsend, litter under Totara (ED)
- ND ✓ 1 ♀ Spirits Bay, 8 Nov 1967, J. R. McBurney, sand dunes (ED)
- AK ✓ 1 ♂[?] Onetangi, Waiheke I., 24 Oct 1977, LL Deitz, sweeping grass & weeds, (ED)
- NN ✓ 1 ♀ Nelson 18 Dec 1953, E.S. Gourlay (ED)
- BP ✓ 1 ♀ Blue Lake, Rotorua, 23 Jan 1960, J. I. Townsend & R. Zondag (ED)
- NN ✓ 1 ♂[?] Riwaka, Nov 1969, G. Kuschel (ED)

~~180~~ 180[?] 25 ♀

Sharpinus browni

- NN ✓ 1♂ Whangamoa, 24 Mar 1965, J. I. Townsend, on Pittosporum (ED)
- ND ✓ 1♀ Russell Forest, 11 Dec 1965, J. M. Cox, Forest Litter (ED)
- NN ✓ 1♂ Whangamoa, 5 June 1964, J. I. Townsend, on Pittosp. tenuifolium (ED)
- NN ✓ 2♀ Whangamoa 24 Apr 1965 J. I. Townsend P. tenuifolium (ED)
- AK ✓ 1♂ Grafton Gully 20 Jan 1951, D Spiller (ED)
- AK ✓ 1♂ " 8 Sep 1951 " (ED)
- ND ✓ 4♂, Hen I. 7 Jan 1963, E S Gourlay (ED)
- NN 2♀ Whangamoa, Pittosporum 29 Jun 1964, G. Kuschel (ED)
- BR ✓ 1♀ L. Roboiti, Nelson, 29 Oct 1964, E S Gourlay (ED)
- BP ✓ 3♂ 8♀ Blue Lake, Rotorua, 23 Jan 1960, Townsend + Zondag (ED)
- 3P ✓ 1♀ " " 15 May 1957, E S Gourlay (ED)
- CL ✓ 2♂ Kawaranga Valley, Thames, 18-20 Jan 1960 Townsend + Zondag (ED)
- ND ✓ 3♂ Spinks Bay, 8 Nov 1967, J. M. Burney, marramgrass, (ED)
- NN ✓ 1♂ Waimangaroa, < 500', 7 Oct 1969 coll? (ED)
- NN ✓ 1♀ Spooners Ra 13 Mar 1966, J. I. Townsend Pittosp. tenuifolium (ED)
- NN ✓ 1♀ " " " " " " Hebe parviflora (ED)
- NN ✓ 1♂ Kaituna, Arere Valley, 6 May 1965, G. Kuschel (ED)
- BR ✓ 2♂ Greymouth 19-21 Jan 1957, E S Gourlay (ED)
- 3D ✓ 1♀ Kapowai, D'Urville I, 17 Feb 1971, G. Kuschel, Muehlenbeck. australis (ED)
- NN ✓ 1♀ Balance Bridge Res. 19 Dec 1948, A E Brookes (ED)
- TK 7♂, 2♀ Takapuna, 13 Mar 1915, A. E. Brookes (ED)
- NN ✓ 1♀ Whangamoa 13 Mar 1964, J. I. Townsend, Schefflera (ED)
- NN ✓ 1♀ Roding River, 19 Oct 1965, J. I. Townsend Cyathodes fasciculata (ED)
- HB ? 1♂ 1♀ Whangarata Hills, 9 Jan 1962, J. I. Townsend (ED)
- 3D ✓ 1♂ 1♀ D'Urville I, 20-24 Jan 1946, E S Gourlay (ED)
- NN ✓ 1♂ 1♀ Wellington, 16 Apr 1948 A E Brookes (ED)
- NN ✓ 1♂ Takaka 18 Jan 1928 R. J. Tillyard (ED)
- FO ✓ 1♀ Start of track to Keketahi Springs, 30 Nov 1965, L P Marchant, boating (ED)
- NN ✓ 1♀ Nelson, 14 Apr 1927, A. Tonnoir (ED)
- AK ✓ 1♂ Tifirangi 30 Jan 1915 A E Brookes (ED)
- AK ✓ 1♀ Auckland, 8 Dec 1941, E Bollard (ED)
- AK ✓ 1♀ Greenlane 7 Dec 1946, K. P. Lamb (ED)
- AK ✓ 1♀ Pukekohe 15 Mar 1955, P. Fry + C. Little ex Chen MoeUien (ED)

Sharpius browni

- BR 1♀, 1♂ Rapahoe, 20 Jan 1957, ES Gourlay (ED)
- AK 1♀ Oruarangi Ck, Mangere, 18 Jan 1960, KAJ. Wise (ED)
- HB 1♀ Mangaone River, Dartmoor, 28 Jan 1959, B.M. May (ED)
- ND 1♂ Kerikeri, 21 Nov 1948, C. Little (ED)
- ND 1♀ Waipu, Jan 1914 A.E. Brookes (ED)
- 1♂ No locality ex Brown Coll² (ED)
- CL 1♂ Kauaeranga Valley, Thames, 18-20 Jan 1960, J.I. Townsend, R. Zondag (ED)
- WN 2♂ Ballance Bridge Reserve, Manawatu 19 Dec 1948 coll? (ED)
- AK 4♂ Owaikaka, 31 Dec 1943, D. McKenzie (ED)
- NN 4♂ Whangamoa Saddle 20 Dec 1963, BA Holloway (ED)
- AK 1♂ Pukekohe, 4 Mar 1953, KJ. Wise, swept barberry hedge (ED)
- BP 1♂ Ruatahuna, Urewera, 5 Mar 1967, B.M. May, beating Hoheria sexstylosa flowers (ED)
- AK 1♀ Greenlane 11 Sep 1948, K.P. Lamb ex Tree Dublin (ED)
- AK 1♂ Cascades, Waitakere, 12 Sep 1948, K.P. Lamb (ED)
- AK 1♀ Mangere, 11 Feb 1950, K.P. Lamb (ED)
- AK 2♂ Waike Bay, Lynfield 22 Apr 1977, sweeping Scirpus grass (ED)
- AK 1♀ Hunua R., 1 Jan 1916, A.E. Brookes, (ED)
- AK 1♀ Mt Eden, 28 Dec 1948, R. Harrison (ED)
- AK 1♀ Greenlane, 25 Apr 1949, K.P. Lamb, ex tunnels in lemon tree (ED)
- BP 1♀ Okauia 19 Dec 1920 coll? (ED)
- 1♂ no data (ED)
- AK 2♂ Grafton Gully, 20 Jan 1951, D. Spiller (ED)
- WN 1♂ Ballance Bridge Reserve, 5 Sep 1965 J.I. Townsend (ED)
- BR 1♀ L. Rotoroa, 24 Jan 1957, ES Gourlay (ED)
- NN 1♂ Nelson 20 Sep 1957, ES. Gourlay (ED)
- NN 1♂ Upper Maitai 19 Nov 1950 ES Gourlay (ED)
- JN 1♂ Aniseed Valley, 23 Mar 1922, A. Philpott (ED)
- JN 1♀ Nelson May 1943, E.E. Walker (ED)
- JN 1♂ Pori, N. Island 24-28 Feb 1956 ES Gourlay (ED)
- JN 1♀ Wellington [ex Brown Coll] (ED)
- JN 1♂ Nelson 13 Dec 1951, ES Gourlay (ED)
- 2♂, 1♀, no data (ED)
- JN 1♀ Wainuiomata 22 Feb 1962, C.J.G. Laurie (ED)

Sharpus brauni

- NN ✓ 1♀ Nelson, Oct 1952, E.S. Gourlay (ED)
- SD ✓ 1♂ Ronga Valley 7 Mar 1957 E.S. Gourlay (ED)
- NN ✓ 2♂ Slips, 3 Jan 1916 Brown Collⁿ (ED)
- WN ✓ 1♀ Orongorongo F.S. 15-17 Sep 1969, J.C. Watt (ED) at light
- ND ✓ 1♀ Maungakarama, Wihangarei, 28 Jan 1928, E. Fairburn (ED)
- AK ✓ 1♀ Howick, no other details, Brown Coll, (ED)
- NN ✓ 1♂ Nelson, 21 Dec 1920, A. Philpott (ED)
- - 1♂, no data, Brown Collⁿ (ED)
- NN ✓ 1♀ Whakapuaka, J. I. Townsend + J.B. Waller on 23 Nov 1966 ex dead elm **REARED** (ED)
- NN ✓ ~~1♂~~, 3♂ Canaan 26 Jan 1949, A.E. Brookes (ED)
- BP ✓ 1♂, 1♀ Kaimai 27 Dec 1943, A.E. Brookes (ED)
- NN ✓ 1♂, Whangamoa, 29 Jun 1964, G. Kuschel, Pitheosporum (ED)
- NN ✓ 1♀ Maitai Valley 18 Feb 1965, J. I. Townsend, Schefflera (ED)
- NN ✓ 1♂ Whangamoa, 5 Jun 1964 Pitheosporum tenuifolium (ED)
- NN ✓ 1♂ Pletty Bridge Valley 11 May 1966, G. Hutchings. Pit trap in pasture (ED)
- AK ✓ 1♀ Huia, 5 Apr 1915, coll. ? (ED)
- AK ✓ 2 spec. AK, Mt Smart, emv 16 Mar 1966, B. May, from subcortical layer in branchlets
- ✓ of Alectryon excelsa **REARED** B. May has these specs. (ED)
- ND ✓ 8 spec. Tawhiti Rahi, ^{poor Knight's is} 1 Jan 1956, J.C. Watt Carmichaelia v Pohutukawa (ED)
- ND ✓ 1♂ Tawharanui Jan 1957, M.A. Watt (ED)
- CL ✓ 1♂ Great Barrier I. date + coll uncertain (ED)
- AK 2♂, 2♀ Wattle Bay, Lynfield, 25 Mar 1979, G. Kuschel, dead Karaka (ED)
- AK ✓ 2♂, 3♀ " " " 18 Mar 1979, G. Kuschel on Gahnia lacerosa (ED)
- AK ✓ 1♂, 2♀ " " " " " on Cortaderia (ED)
- " ✓ 1♂, 1♀ Lynfield 19 Dec 1976 G. Kuschel (ED)
- " ✓ 1♀ " 22 Jan 1977 " " above beach (ED)
- " ✓ 1♀ " 23 Feb 1977 " " swamp edge (ED)
- " ✓ 1♀ " 11 Dec 1976 " " pasture sweep (ED)
- " ✓ 1♀ Wattle Bay " 13 Mar 1977 " " stream bank (ED)
- " ✓ 1♀ Lynfield 27 Mar 1977 " " Gahnia litter (ED)
- " ✓ 1♂ " 6 Mar 1977 " " Rottenwood (ED)
- " ✓ 1♂ " 2 Jan 1979 " " on Leptospermum (ED)
- " ✓ 1♂ " 26 Apr 1977 " " "
- 49 24♂ 20♀ 5 unsex

Sharpus brunni

- AK ✓ 1♂, Waionui Inlet, Kaipara Harbour, 25 Sep 1977, G. Kuschel (ED)
- RI ✓ 1♀, Pohangina Valley, Totara Reserve, 29 Dec 1975 J.C. Watt, beating (ED)
- AK ✓ 1♂, Titirangi, 1 Apr 1979, P.A. Maddison (ED)
- AK ✓ 1♂, Waikē Bay, Lynfield 1 Apr 1977 Deitz & Walker, sweeping Scirpus swamp (ED)
- ND ✓ 1♀, Ngaiotonga, 29 Feb 1960, R.A. Cumber, forest sweep (ED)
- AK 2♂, 1♀, Lynfield 14 Sep 1974 G. Kuschel (ED)
- " 3♂, 2♀, " : 24 Jan 1976 on Acacia verticillata (ED)
- " 1♀ " 11 Sep 1976 "Floodings" (ED)
- " 1♀ " 20 Oct 1974 on Pseudopanax arboreum (ED)
- " 1♀ " 5 Apr 1975, on Eucalyptus (ED)
- " 1♂ " 30 Nov 1974 on Eucalyptus (ED)
- " 1♂, 4♀ " " " " G. Kuschel (ED)
- " 1♂, 1♀ " 29 Dec 1975, on Pinus radiata (ED)
- " 1♂, 4♀ " 25 Jan 1975 " on Hedycarya (ED)
- " 3♀ " 25 Jan 1975 " on Pinus radiata (ED)
- " 1♂ " 29 May 1976 " Garden leaf litter (ED)
- " 1♂ " 4 Dec 1975 " (ED)
- " 1♀ " 5 Apr 1975 " on Gahnia (ED)
- " 1♀ " 4 Oct 1975 " (ED)
- " 1♂, 1♀ " 13 Oct 1974 " on Schefflera (ED)
- " 1♀ " 18 Sep 1976 " ex mixed litter (ED)
- " 3♂ " 10 Jan 1976 " on Sephora microphylla in garden (ED)
- " 2♀ " 27 Dec 1975 " cut Nestegis (ED)
- " 2♂, 2♀ " 24 Jan 1976 " ~~G. Kuschel~~ (ED)
- " 1♀ " 6 Feb 1976 " ~~→~~ (ED)
- " 1♂ " 5 Dec 1975 " (ED)
- " 1♂ " 30 Nov 1975 " (ED)
- " 1♂ " 29 Dec 1975 " on Gahnia (ED)
- " 1♂ " 3 Oct 1975 " (ED)
- " 1♂ " 12 Nov 1975 " in garden (ED)
- " 2♀ " 25 Apr 1974 " (ED)
- " 2♂ " 8 Nov 1975 " on Pinus radiata (ED)
- " 1♀ " 4 Jun 1974 " (ED)

Sharpus horuni

AK	10 [♂] , 1♀	Lynfield	27 Dec 1975	G. Kuschel, cul.	<u>Pinus radiata</u> (ED)
"	1♀	"	20 Oct 1974	"	on <u>Pseudopanax arboreus</u> (ED)
"	1♀	"	6 Sep 1975	"	on Fennel (ED)
"	20 [♂] , 1♀	"	20 Dec. 1975	"	Garden compost (ED)
"	1♀	"	8 Nov 1975	"	<u>REARED</u> from <u>Acacia mearnsii</u> (ED)
"	20 [♂] , 1♀	"	1 Dec 1974	"	on <u>Acacia mearnsii</u> (ED)
"	1♀	"	28 Feb 1976	"	on <u>Sophora</u> (ED)
"	10 [♂] , 1♀	"	29 June 1974	"	on plants (ED)
"	10 [♂]	"	8 Nov 1975	"	on cut <u>Eucalyptus</u> (ED)
"	1♀	"	1 Nov 1975	"	on <u>Pinus radiata</u> (ED)
"	10 [♂]	"	29 Dec 1975	"	ex <u>Flaxinus excelsa</u> (ED)
"	1♀	"	21 Aug 1976	"	decayed wood (ED)
"	10 [♂] , 1♀	"	20 May 1974	"	(ED)
"	1♀	"	14 Nov 1975	"	on <u>Olearia furfuracea</u> (ED)
"	1♀	"	24 Jan 1976	"	(ED)
"	10 [♂]	"	6 Feb 1976	"	ex <u>Carex + Uncinia</u> (ED)
"	1♀	"	11 Sep 1976	"	on <u>Dysoxylum</u> (ED)
"	1♀	"	4 Jun 1974	"	(ED)
"	1♀	"	7 Jan 1976	"	on <u>Populus nigra</u> (ED)
"	1♀	"	19 May 1974	BA Holloway	(ED)
UN	✓ 2♀	Stokes Valley	28 Feb 1975	"	(ED)
AK	✓ 30 [♂] , 2♀	Lynfield	26 Apr 1974	G. Kuschel	(ED)
UN	✓ 10 [♂] , 1♀	Aniseed Valley	25 Oct 1972	G. Kuschel, beak	<u>Fuchsia excorticata</u> (ED)
UN	✓ 10 [♂]	Eves Valley	30 Oct 1972	"	(ED)
AK	✓ 10 [♂] , 1♀	Huia	31 Jan 1974	B.M. May, beak	<u>Tetrapitheca tetrandra</u> (ED)
"	10 [♂]	"	17 Jan "	"	<u>Hedycarya arborea</u> (ED)
WN	✓ 10 [♂]	Wellington	25 Feb 1960	BA Holloway	(ED)
NN	✓ 2♀	Nelson City	2 Jan 1966	"	(ED)
NN	20 [♂]	"	Feb 1969	"	(ED)
NN	✓ 10 [♂]	Botanics	11 Dec 1957	ES Gourlay	(ED)
ND	✓ 10 [♂]	Spirits Bay	17 Jan 1966	B.M. May	(ED)
FO	✓ 10 [♂]	Tarawera	> 1000'	3-11 Feb 1969, H. A. Oliver,	Malaise trap (ED)
UN	✓ 1♀	Paturau River,	27 Jan 1972,	G. Kuschel	(ED)

Sharpus brouni

- AK 2♂[?] Lynfield 26 Apr 1974, G. Kuschel
- AK 13♂, 15♀ " emv 30 Nov 1974 - 8 Aug 1975, G. Kuschel [REARED] Ulex europaeus ^{W 74/9} ^{dead twig} (ED)
- AK 7♂, 4♀ " emv 11 Apr 1975, G. Kuschel [REARED] Ulex europaeus W 74/10 (ED)
- " 1♀ " em 20 Feb 1975 G. Kuschel [REARED] dead branches Acacia verticillata W 74/13 (ED)
- " 2♀ " emv 20 Dec 1974 " " [REARED] " " ash-like tree W 74/11 (ED)
- NN 1♂[?] Nelson City, emv 16 Dec 1968 " [REARED] dead stems of Cassinia W 68/32 (ED)
- MB 1♀ Pelorus Bridge emv 7 Dec 1967 J.S. Dugdale, J.C. Watt, [REARED] Coprosma robusta W 67/39 (ED)
- CL 1♂[?] E of Coromandel, 350m, 23 Mar 1977, L.L. Deitz, sweeping bush (ED)
- NN 4♂, 1♀ Amiseed Valley, 14 Jan 1976, A.K. Walker, beating Nothofagus menziesii (ED)
- " 1♂[?] Rough 1, near Rabbit 1. 17 Nov 1972 G. Kuschel, on Plagiathus divaricata (ED)
- " 1♂[?] Amiseed Valley 25 Oct 1972 " on Pittosp. tenuifolium (ED)
- AK 1♀ Woodhill, 8 Jul 1976, J.K. Barnes (ED)
- NN 1♀ Kawatiri 14 Jan 1972, G. Kuschel, on Oleandra aviceniaceifolia (ED)
- WN 1♀ Linden 6 Feb 1973, R. Craw, on tree trunk at night (ED)
- " 2♂[?] " 17 Feb 1973 " on Rhipogonum (ED)
- " 1♀ Makara 12 Jun 1961, D.N. Edwards. (ED)
- " 3♀ Wellington City, 3 Mar 1960 " " (ED)
- TK 1♂[?] Mercerest, Taranaki, 20 Jan 1957, J. I. Townsend (ED)
- JN 1♀ Ballance Reserve, Manawatu Gorge, 11 Jan 1957 J. I. Townsend (ED)
- W1 1♀ Grasslands, Manawatu, 9 Nov 1957 J. I. Townsend (ED)
- AK 6♂, 15♀ Greenlane, 20 Dec 1948, K.P. Lamb [REARED] fig twigs (ED)
- JN 1♀ Whangapeka Valley 18 Nov 1934, E.S. Gourlay (ED)
- " 1♀ " " 3 Feb 1935 " " (ED)
- AK 1♀ Greenlane, c. 28 June 1949, K.P. Lamb, light trap in house (ED)
- " 1♂[?] " Nov 1949 " " (ED)
- " 1♀ Mt Albert, May 1959, B.M. May (ED)
- WN 2♂[?] Pohangina Valley 1 Mar 1972, G. Kuschel, on Hoheria sexstylosa (ED)
- BR 1♀ Greymouth, 28 Jan 1935, E.S. Gourlay (ED)
- BR 7♂, 2♀ Westport Beach, 20 Jan 1935 " " (ED)
- AK 1♀ Takatū Pen., nr Matakana, 31 Dec 1970, J.C. Watt, at light (ED)
- AK 1♂, 2♀ Puke matekeo, Waitakere, 8 Feb 1947, E.D. Pritchard (ED)
- BP 1♂[?] Te Aroha, ^{3048m} emv 7 Dec 1967 cu? [REARED] from Rohekohe (ED)
- BR 1♂[?] L. Rotoroa, 9 Mar 1965, G. Kuschel/J. I. Townsend (ED)

Sharpinus brownii

- SD 1 ♀ French Pass, Feb 1971, G.W. Ramsay (ED)
- VB 1 ♂ Pelorus Bridge, 25 Jul 1967, G. Kuschel, beating (ED)
- ND 1 ♀ Tawharamu, N. Auckland, 24 Dec 1956, J.C. Watt (ED)
- HB 1 ♀ Matakhorua Strm, near Kahikau, 2 Mar 1972, G. Kuschel, on Hohenia sexstylosa (ED)
- NN 1 ♂, 1 ♀ Whangamoa, 18 May 1964, J.I. Townsend, on Pittosp. tenuifolium (ED)
- " 1 ♀ " Saddle 14 Aug 1964, J.I. Townsend, Pittosporum (ED)
- " 1 ♀ " " " " " Pseudopanax (ED)
- " 1 ♂ " 5 Jun 1964, J.I. Townsend Pittosp. tenuifolium (ED)
- " 1 ♀ " 5 Oct 1964 " " Pittosporum (ED)
- " 1 ♂ " 31 Aug 1964 " " " " (ED)
- " 1 ♀ " 2 Apr 1964 " " Schefflera (ED)
- SD 1 ♂ Pictm Reservoir Track, 27 Mar 1949, A.E. Brookes (ED)
- VN 4 ♀ Upper Makai, 3 Mar 1935, E.S. Gourlay (ED)
- AK 4 ♀ Titirangi, 4 Oct 1927, E.S. Gourlay (ED)
- TO 1 ♀ Aracia Bay, Taupo, 31 Jan 1949, J.S. Armstrong (ED)
- ID 1 ♂, 4 ♀ Tawhiti Rahi, ^{Poor Knights Is.} 1 Jan 1956, J.C. Watt, on Carmichaelia (ED)
- AK 1 ♀ Rangitoto I., 4 Jun 1972, J.C. Watt 72/159 (ED)
- EB 1 ♂ Hangaroa, near Gisborne, under log 28 Jan 1962 J.C. Watt (ED)
- BP 1 ♀ Blue Lake, Rotoma n o al. ^{R.M. Bull} ~~collected~~ collⁿ (ED)
- 2L 4 ♂ Fletchers Bay, Coromandel Penin, 10 Nov 1956, J.C. Watt, beaten Ranuka flowers (ED)
- NN 1 ♀ Fielding, 19 Dec 1956, beaten from shrubs, R.M. Bull Collⁿ (ED)
- BP 1 ♀ (FRI 81) Whakarewarewa, 9 Jan 1953, R. Zondag (FRI)
- 3P 1 ♂ (33) Rotoehu S.F. N.O. Secombe, 1958, [REARED] Neopanax sp (FRI)
- BP 1 ♀ (FRI 83) Whakarewarewa, 10 Dec 1948, G.B. Rawlings (FRI)
- NC 1 ♂ (FRI 92) Balmoral S.F. Canterbury, 22 Mar 1956, R.J. McKenzie (FRI)
- VC 1 ♀ (FRI 90) Selwyn Plant^{ns} Southbridge, Canterbury, 26 Feb 1959 R.J. McKenzie (FRI)
- BP 1 ♂ (FRI 825) Whakarewarewa 7 May 1959 (FRI)
- 1B 1 ♀ (FRI 96) Hanmer S.F., beaten Larix decidua R.J. McKenzie 28 Oct 1959 (FRI)
- BP 4 ♂ (FRI 74) Whakarewarewa 31 Mar 1948, G.B. Rawlings (FRI)
- 3P 1 ♀ (34) For. Res. Inst, Whakarewarewa 22 Sep 1960, on Acacia (FRI)
- TC 1 ♀ (FRI 224) S.F. SO, E. Taupo on 7 Nov 1957 [REARED] Nothof. menziesii (FRI) ^{39° 04'} _{176° 13'}
- JC 1 ♀ (FRI 91) Balmoral S.F. 15 Oct 1958, R.J. McKenzie (FRI)
- 1C 1 ♂, 1 ♀ (FRI 87) Tram Rd, Canterbury 3 Jan 1958, R.J. McKenzie (FRI)

Sharpeius browni

- BPV10[♂] (FRI 152) Whakarewarewa 17 Dec 1948, N.M.W. (FRI)
- NCLV10 (FRI 99) Ashley S.F. Cant. 2 Apr 1956, R.J. McKenzie (FRI)
- BPV10[♂] (32) Rotoehu S.F. N.O. Secombe em 1 Dec 1958, REARED Neopanax sp. (FRI)
- " V10 (28) " " " em 29 Dec 1958 REARED " (FRI)
- " V10 (23) " " " em 8 Jan 1959 REARED " (FRI)
- " V10 (29) " " " em " " " REARED " (FRI)
- " V10[♂] (25) " " " em 24 Mar 1959 REARED " (FRI)
- " V10 (26) " " " em 1958 REARED " (FRI)
- " V10 (24) " " " em 4 Dec 1958 REARED " (FRI)
- " V10[♂] (38) " " " em 12 Dec 1958 REARED " (FRI)
- BPV10 (36) F.R.I., Rotorua em 23 Oct 1959 REARED Acacia melanoxylon (FRI)
- " V10[♂] (35) " " " 23 " " REARED " " (FRI)
- " V10[♂] (30) Blue Lake em 25 Sep 1958 REARED Neopanax sp. (FRI)
- NNV10 (31) Tui, Nelson J.S. Dugdale, em 8-10 Dec 1958 REARED Nothofagus solandri (FRI)
- NDV10 (FRI 130) Glenbervie S.F., N. Auckland, 29 Jan 1958, on Pinus radiata (FRI)
- BPV10 (FRI 80) Whaka S.F., 9 Jan 1953 (FRI)
- NDV10 (FRI 82) Waipona S.F., 28 Nov 1949, on Rauiri (FRI)
- TOV10 (FRI 111) Waiotapu S.F. 12 Nov 1959 (FRI)
- TOV10[♂] (FRI 226) S.F. 90 em 10 Nov 1957, REARED Nothofagus menziesii (FRI)
- NCV10 (FRI 88) Eyrewell S.F. Cant. 20 Aug 1958 R.J. McKenzie (FRI)
- TOV10 (FRI 100) S.F. 90, E. Taupo, em 26 Nov 1957 REARED Nothofagus menziesii (FRI)
- TOV10 (FRI 217) " " em 4 Nov 1957 REARED " " (FRI)
- " V10 (FRI 219) " " em 23 Dec 1957 REARED " " (FRI)
- NCV10 (FRI 142) Ashley S.F. 26 Oct 1956 (FRI)
- BPV10[♂] (FRI 75) Whakarewarewa 9 Jan 1953 (FRI)
- TOV10 (FRI 159) Kaingaroa S.F., beken P. radiata 29 Sep 1960, G.B. Rawlings (FRI)
- CLV10 (FRI 165) Kaueranga S.F., 19 Jan 1960, R. Zondag, J.I. Townsend (FRI)
- TOV10[♂] (FRI 110) Kaingaroa S.F. 25 Sep 1957, N.O. Secombe (FRI)
- CLV10[♂] (FRI 153) Kaueranga S.F., 19 Jan 1960, R. Zondag, J.I. Townsend (FRI)
- NDV10 (FRI 112) Glenbervie, N. Auckland Feb 1960, beken P. radiata (FRI)
- BPV10 (FRI 132) Whakarewarewa 20 Jun 1955, R. Zondag (FRI)
- BPV10[♂] (FRI 79) " ³¹ ~~31~~ Mar 1948, G.B. Rawlings (FRI)
- BPV10 (FRI 78) " 9 Jan 1952, R. Zondag (FRI)

Sharpinus browni

- MB ✓ ♀ (FRI 160) Rai Valley, Nelson, REARED, Jan 1960, dead P. radiata (FRI)
- BP ✓ ♂ (FRI 108) Whakarewarewa 18 Jun 1955, G.B. Rawlings, on Notth. dombeyi (FRI)
- MB ✓ ♀ (FRI 104) Hammer, 16 Jan 1959, R.J. McKenzie, beaten P. radiata (FRI)
- MB ✓ ♀ (FRI 106) " SF. 1956 " (FRI)
- BP ✓ ♀ (FRI 98) Rotoehu 24 Nov 1959, beaten Pinus radiata (FRI)
- SC ✓ ♂ (FRI 210) Cave Canterbury 9 Jul 1965, P.S. Crewhurst REARED Cytisus sp twigs (FRI)
- MB ✓ ♀ (FRI 103) Hammer, 16 Aug 1958, R.J. McKenzie (FRI)
- MB ✓ ♀ (FRI 102) " 11 Oct 1956 " (FRI)
- BP ✓ ♂ (FRI 109) Whakarewarewa SF, 8 Nov 1958, R. Zondag (FRI)
- ✓ ♂ (FRI 77) no details (FRI)
- 3P ✓ ♂ (FRI 76) Whakarewarewa 9 Jan 1953, R. Zondag (FRI)
- MB ✓ ♂ (FRI 175) Rai Valley Lookout, Dec 1958 (FRI)
- JC ✓ ♀ (FRI 101) Ashley SF. Canterbury 7 Apr 1959, R.J. McKenzie (FRI)
- 3P 2 specs (~~27~~ 37) Rotoehu SF. 1958, N.O. Secombe, REARED Neopanax. Returned Sep 1966 (FRI)
- 3P ✓ ♀ (FRI 46) Rotorua, 27 Dec 1961, on garden plants (FRI)
- VN ✓ ♀ Vogeltown, on Muehlenbeckia 19 Jan 1963, R.G. Ordish (NM)
- JN ✓ ♀ ~~Waiopahu~~ Waiopahu Reserve, Levin, 31 Dec 1962, R.G. Ordish (NM)
- WN ✓ ♀ Red Rocks, Wellington, 4 Nov 1941, R. Forster (NM)
- ✓ ♂, ♀, No data (NM)
- JN ✓ ♀ Dunk Mt Track, 12 Jan 1947, G. Ramsay (NM)
- JN ✓ ♂, ♀ Wellington, March 1902, Lewis's Collⁿ (NM)
- JD ✓ ♂ Bush near Mt Te Pahi, 10 19', 1 Dec 1964, on fringe B.A. Holloway (NM)
- VN ✓ ♂ Wainuiomata, Wellington, no date, G.V. Hudson (NM)
- JN ✓ ♂ Wellington, no date. G.V. Hudson (NM)
- VN ✓ ♂ Stokes Valley, 4 Mar 1962, B.A. Holloway (NM)
- VN ✓ ♂, ♀ Wellington, no date, G.V. Hudson (NM)
- VI ✓ ♀ Turakina, 18 ^{Jan} 1943, coll? (NM)
- DVI ✓ ♀ Maunga Karamea, Whangarei, 1 Jan 1927, E. Fairburn (NM)
- JN ✓ ♀ Moonshine, 27 Dec 1949, G. Ramsay (NM)
- JN ✓ ♂ Akatarawa 17 Jan 1909, A.C. O'Connor (NM)
- N ✓ ♀ Titahi Bay, 2 Jan 1910, A.C. O'Connor (NM)
- N ✓ ♂ " " 5 Mar 1910 " (NM)
- N ✓ ♀ Porirua 3 Nov 1908 " (NM)
- N ✓ ♀ Titahi Bay 20 Dec 1908 " (NM)
- 1 62 28 32. 2

Sharpus browni

- WN 10♂ (443a,b) Wadestown Feb 1902 G.V. Hudson (NM)
- WN 1♀ (443c) Wellington no other details " (NM)
- WN 1♀ (443d) Porirua Bush, 22 Jan 1908 " (NM)
- " 10♂, 2♀ (443 e.f.g.) Wellington no other details, G.V. Hudson (NM)
- " 10♂, 2♀ (443 p.t.u.) Maori Bank, 27 Jan 1932 G.V. Hudson (NM)
- " 10♂, 2♀ (443 q.r.s.) Korokoro, 7 Feb 1941, G.V. Hudson (NM)
- 2♂, 2♀, no details (ZDCU)
- 1♂, no locality, collector Wakefield, id. by D. Sharp (C.M)
- WN 4♀, Wiltons Bush 30 Dec 1937, S. Lindsay (C.M)
- 2♂, 2♀ no data, Wakefield Coll" (C.M)
- WN 1♂ Upper Maitai 3. Mar 1935, ES Goulay (AM)
- 1♂, no data, Brown Coll" (ED)
- EL 4♂, Tairua, Brown (B.M)
- AK 1♀ Auckland " (B.M)
- " 4♂, Mt Albert, Dec ~~1911~~ 1912, ^{Brown} (B.M)
- TK 1♀ Midhurst, Brown, (B.M)
- TK 1♂ Hawick " (B.M)
- VN 1♀ Glenhope 19 Aug 1915, Brown, (B.M)
- VN 1♀ Maitai Valley, 15 Jan 1976, A.K. Walker, sweeping Trifolium (ED)

639.

SPECS EXAM. ~~579~~ (AM, BM, CM, ED, FRI, NM, ZDCU)

Additional SPECS EXAM. on pp 12. + 13

DISTRIBUTION: North I. (Northland including Hen I + Poor Knights I, Auckland, Coromandel including Great Barrier I, Bay of Plenty ^{Great home Gisborne} Taupo, Taranaki ~~Plains~~ Hawkes Bay, Wanganui, Wellington) and South I (Nelson, Marlborough Sds incl ~~Stephan~~ Dillville I, Marlborough, Buller, North Canterbury, Mid Canterbury ^{South Canterbury} Invercargill, ~~SL~~) Northernmost record: Spirit's Bay ND; southernmost record ~~Case, STC~~ from sea level to about 930m. but mainly lowland.

Seasonal Records: Throughout the year.

PLANT ASSOC^{ns}: Reared from Acacia seed pods, Fig twigs, dead elm, ^{Pinus} subcortical layer in branches of Alectryon excelsa, ^{dead} branches of Acacia mearnsii; kokekoko, Ceprosoma rotundata W67/59. dead stems of Cassinia, dead branches Acacia verticillata. dead twigs Ulex europaeus, branches Neopanax sp, banda, Nothofagus menziesii, ^{ulmus} cont. →

Sharpus browni

SPECS EXAM (12)

* dead branches Agathis australis (Araucariaceae) browni

Nothofagus solandri; Acacia melanoxylon; dead Pinus radiata
twigs of Cyathus sp. Has been beaten from a wide

range of native and introduced trees and shrubs

Also occurs in forest + garden ~~as the only species~~ leaf litter

Remarks: This is one of the commonest anthroids in NZ

The adults ^{fly} are actively flying during the day and are also
occasionally attracted to lights at night. and often
land on ~~surface~~ of windows and glass doors, ^{of suburban houses.} They
are ^{occasionally} ~~sometimes~~ attracted to lights at night

→ Reared from stump of Albizia (Leguminosae); dead branches Pseudopanax arboreum
(Araliaceae); dead twigs Oleaia furfuracea (Compositae); dead branchlets Calodendron
capense (Rutaceae).

Additional SPECS EXAM

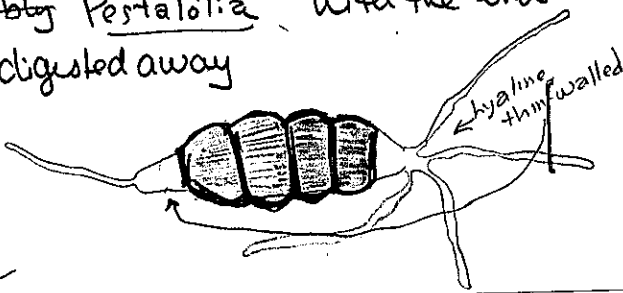
AK 1 ♀ Lynfield 2 Mar 1979, G. Kuschel, on Melicope ramiflora (ED)

" 1 ♀ " 27 Jul 1974 " ex compost 74/42 (ED)

" 1 ♂, 1 ♀ " 9 Jun 1974 " (ED)

" 3 ♂, 1 ♀ " 14 Sep 1974 " on Hedycarya (ED)

Truncated, phaeophragmoconidia
Possibly Pestalotia-like with the end
cells digested away



browni

SL 1 ♂ ✓ Invercargill, Thompson Bush, 16 Mar 1977, beating Nothofagus sp. AK Walker (ED)

AK 1 ♀ ✓ Mt Albert (MARC), 11 May 1976, REARED dead branches Agathis australis BM May (ED) W76/10

ND 1 ♀ ✓ Herekino 1 Oct 1957, R A. Cumber (ED)

BP 1 ♀ ✓ Te Aroha 7 Jul 1958 (ED)

AK 8 ♂, 4 ♀ ✓ Mt Albert Res. Centre, em 31 Oct 1976-1 Feb 1977, REARED dead branchlets Calodendron capense W76/9 (NZAC)

AK 2 ♂ 2 ♀ ✓ Island in Mangrove Sewage Pond #4, 29 Oct 1976, 76/87 nest of Larus dominicanus SM Read (NZAC)

VN ✓ 1 ♀ Flora Hill, 27 Dec 1972, G. Kuschel, on Nothofagus (NZAC)

ID ✓ 1 ♀ Q. Charlotte Sa, Whakamango Bay, 6 Feb 1976, J.S. Dugdale, sweeping Juncus (NZAC)

SL ✓ 1 ♀ Oiwaka, 13-20 Jan 1978, S.J. Peck, Malaise trap (NZAC)

Sharpius brouni

- AK 10[♂] ✓ Lynfield, 20 Dec 1975, G. Kuschel (NZAC)
- BR 10[♀] ✓ Rotoiti, 610 m, 4 Jan 1979, A.K. Walker, beaten in Noth. forest (NZAC)
- AK 10[♂], 20[♀] ✓ Lynfield, 16 Aug 1980, G. Kuschel, on cut Muehlenbeckia complexa (NZAC)
- AK 8[♂] 3[♀], " Wattle Bay, 9 Dec 1979, " " , on Ulex stump (NZAC)
- AK 10[♀] " " " 19 Aug 1980 B.A. Holloway, beaten Gahnia (NZAC)
- AK 30[♀] " " " 30 Nov 1979 [REARED] gorse, G. Kuschel (NZAC)
- AK 40[♂], 10[♀] " " " em 12 Nov 1979 [REARED] dyroid Albizia stump, G. Kuschel (NZAC)
- AK 10[♂], 30[♀] " " " em 3 Dec 1979 [REARED] - - - - - (NZAC)
- AK 10[♀] " " " em 26 Nov 1979 [REARED] gorse, G. Kuschel (NZAC)
- AK 10[♂] " " 26 Oct 1980, G. Kuschel, Malaise trap site 4 (NZAC)
- AK 20[♀] ✓ Tihirangi, Nov 1980, Malaise trap in garden, G. W. Ramsay (NZAC)
- AK 10[♀] " " " " in native bush, R.H. Klein paste (NZAC)
- AK 10[♂] ✓ Manaiia, Taranaki, May 1978, M.A. Ordish (NMNZ)
- IN 10[♂], 10[♀] ✓ Whangapeka V., 3 Feb 1935, E.S. Goumlay (NZAC)
- " 10[♀] " " 18 Nov 1934 - - - - - (NZAC)
- NN 10[♂] ✓ Te Marua, Upper Hut, 10 Nov 1976, S. Millar ^{dead branchlets} Pseudopanax arboreum (NZAC)
- AK 10[♀] ✓ Hunua Ra, 2 Dec 1980, B.M. May, beaten Notho truncata (NZAC)
- AK 10[♂] ✓ Islington Bay Rangitoto I., 12 Sep 1976, em 8 Nov 1976 [REARED] Olearia furfuracea J. Watt (NZAC) ^{76/74 dead twig}
- NO 10[♀] ✓ Waipuna Res., Waitomo, em 28 Jan 1978, B.M. May REARED W77/21 ^{Rotten wood} on ground (NZAC)

Specs exam. 294[♂], 345[♀], 11 unsexed.

- AK 10[♂] ✓ Noises Is, Motukhoropapa I., 17 Feb 1976, J.S. Dugdale, beating (NZAC)
- " 10[♀] " Okataia I. 31 Oct 1977 J.C. Watt, at night. (NZAC)
- " 10[♀] " Motukhoropapa I., 15 Apr 1978, B.M. May, Malaise Trap (NZAC)
- ND 10[♂] ✓ Tawhiti Rahi, Parr Knights Is, 8-10 Sep 1980, J.C. Watt, beaten at night (NZAC)
- NN ✓ 2 specs, Brooklyn Valley, Motueka, 19 Jan 1968, K.J.G. (P.M. Johns Collⁿ)
- NC ✓ 1 spec. Okuku Pass, Canterbury, 500m, 7 Mar 1973, Fussock, Schoenus by seepage, P.M. Johns (P.M.J. Collⁿ)
- DN ✓ 1 spec. Oamaru 1 Jan 1963, K.J.G. (P.M. Johns Collⁿ)
- 3 specs no data (OMNZ)

- NN ✓ 60[♂] 4[♀], 30 unsexed, Willon, Kiywards, Karitoke Karori, 1940-41, G.U. Hudson (BMNH)
- NN ✓ 1 spec Whangapeka V., 3 Feb 1935, E.S. Goumlay (BMNH)
- AK ✓ 4 specs, Auckland H Swale pre 1913 (BMNH)
- BR ✓ 2 specs Greymouth, Helms (BMNH)
- NN ✓ 2 specs. Nelson-Maitai 1943, 1946 ^{CE Clarke} (BMNH)
- WOL ✓ 2 specs. Waitomo 1941, 1942 CE Clarke (BMNH)

Sharpus imitarius

- SI ✓ 12 ♂ 6 ♀ NE Big S. Cape I. 10 Feb 1969, BA Holloway, beaten dead Senecio (ED)
- SI ✓ 30 ♂ 2 ♀ 16 Feb 1969 on live Pseudopanax edgerleyi (ED)
- SI ✓ 30 ♂ 3 ♀ Feb 1969 beaten dead Olearia^{colensoi}grandis (ED)
- SI ✓ 50 ♂, 6 ♀ Big S. Cape I., Nov 1968 G. Kuschel, general beating, beating Coprosma lucida (ED)
- SI ✓ 80 ♂, 12 ♀ NE Feb 1969 J.I. Townsend, general beating (ED)
- SI ✓ 10 ♂, 1 ♀ Feb 1969 BA ~~Holloway~~^{Kuschel}, dead Olearia^{colensoi}grandis (ED)
- SI ✓ 1 ♀ Feb 1969, J. McBurney, ex Poa foliosa (ED)
- SI ✓ 40 ♂ Feb 1969 BA Kuschel, general beating, (ED)
- SI ✓ 10 ♂ 11 Feb 1969 BA Kuschel, beating Senecio branches (ED)
- SI ✓ 10 ♂ 9 Nov 1968 G. Kuschel, Myrsine chathamica (ED)
- SI ✓ 10 ♀ Nov 1968 general beating (ED)
- SI ✓ 10 ♂ 13 Feb 1969 B.M. May ex Olearia^{colensoi}grandis (ED)
- SI ✓ 10 ♂ (Long I.) 9 Nov 1968 coll? , coastal rocks (ED)
- SI ✓ 1 ♀ Feb 1969 A.C. Eyles, off grass (ED)
- SI ✓ 1 ♀ Owen I., SE Stewart I. 29 Jan 1955, R.K. Dell + BA Holloway (NM)
- SI ✓ 10 ♂ Pegasus, Stewart I. 28 Feb 1968, Coll? Ex Coprosma foetidissima (ED)
- SI ✓ 1 ♀ Golden Bay, Patersons Lulet Feb 1961, MN Watt (NM)
- SI ✓ 10 ♀ Christmas Village, Stewart I., 26 Jan 1962, G. Kuschel (ED)
- SI ✓ 10 ♂, Rakahia V, Stewart I., 15 Feb 1968, G. Kuschel. (ED)
- " ✓ 1 ♀ 19 Feb 1968, G. Kuschel, beating (ED)
- " ✓ 1 ♀ Port William, Stewart I., 7 Feb 1969, A.C. Eyles (ED)
- " ✓ 1 ♀ Stewart I., 17 Mar 1939, E Fairburn (ED)
- SL ✓ 10 ♂ Bluff Feb 1969, B.A. Kuschel (ED)
- SL ✓ 1 ♀ Okautau 25 Jan 1962, J.I. Townsend (ED)
- SL ✓ 20 ♂, 5 ♀ Owaka, 15 Jan 1959, E.S. Gourlay (ED)
- SI ✓ 10 ♂, Port William, Stewart I., 4 Feb 1969, BA Kuschel, general beating (ED)
- FD ✓ 20 ♂, 4 ♀, West Arm 170-200m, Manapouri, Jan 1970, G. Kuschel (ED)
- FD ✓ 100 ♂, 3 ♀, West Arm Nothofagus solandri + N. menziesii (ED)
- FD ✓ spec. (damaged) " " Nothofagus menziesii (ED)
- FD ✓ 10 ♂, 1 ♀ Mica Burn, 180-230m, ^{Manapouri} Jan 1970, G. Kuschel, beating, (ED)
- FD ✓ 1 ♀ Spey River, 259m, Manapouri, Jan 1970, J. McBurney (ED)
- SL ✓ 10 ♂, 2 ♀ Longwood Ra, 20 Jan 1965, G. Kuschel, on Nothofagus menziesii (ED)

(1 ♀ coll Apr 1966, BA Holloway)

61 55 1

Sharpus Imitarius

- FD ✓ 1♂ Simonin Creek, Upper Pyke River 1036m, 30 Jan 1975, J.S. Dugdale, swept Coprosma (ED)
- SL ✓ 1♂ Tisbury 12 Dec 1916 coll? (ED)
- NC ✓ 1♀ Arthur's Pass ^{3036'} 8-11 Jan 1957, E.S. Gourlay (ED)
- ? SL ✓ 1♂ Kuriwai ^[? stream], 6 Oct 1914, T. Brown/A.E. Brookes Coll^{ns} (ED)
- NN ✓ 1♀ Flora Stream, 4 Feb 1965, G. Kuschel, on Olearia lacunosa, (ED)
- NN ✓ 2♀ Buller R. Flat, near Glenhope, 17 Jan 1915, T. Hall (ED)
- NN ✓ 1♀ Flora Camp, 2500', 6 Mar 1935, E.S. Gourlay (ED)
- DN ✓ 1♂, Mihinakau Jan 1904, Lewis, (NM)
- NN ✓ 1♂ Whangapeka Valley, 2 Dec 1934, E.S. Gourlay (AM)
- WN ✓ 1♀ Wellington G.V. Hudson, n.d. (NM)
- NC ✓ 1♀ (damaged 439a) Arthur's Pass ^{3036'}, 10 Feb 1920, G.V. Hudson (NM)
- NC ✓ 2♂ 3♀ (1167 b c e f g) West Coast Rd near Arthur's Pass, 20 Jan 1923, G.V. Hudson, ex dead leaves (NM)
- WD ✓ 1♂ (1167d) Waiho River, 27 Jan 1938, G.V. Hudson (NM)
- NN ✓ 1♀ (1167h) Flora Creek, 19 Jan 1929 G.V. Hudson (NM)
- SI ✓ 1♀ (42) Stewart I, 21 Mar 1961, R.F. McCormack, em 8 Dec 1961 ex Cytisus sp. REARED (FRI)
- " ✓ 1♂ 1♀ (54) " " " " " " " " REARED (FRI)
- " ✓ 1♀ (55) " " " " " " " " em 18 Sep 1961 " " REARED (FRI)
- " ✓ 1♂ (57) " " " " " " " " em 28 Nov 1961 " " REARED (FRI)
- " ✓ 2 spec (56, 58) " " " " " " " " REARED " (FRI) Returned Sep 1966
- SL ✓ 1 spec. HOLOTYPE, Invercargill, Aug 1911 (BM)
- SI ✓ 1♀ Big S. Cape. em 10 Jan 1969 J.C. Watt REARED Senecio renoldii w 68/38 (ED)

~~REARED~~
Additional records on p. 3. Holotype, 75♂, 71♀, 1 unsexed.

SPECS EXAM: ~~AM~~ (AM, BM, ED, FRI, NM)

LOCATITES: North I (a single specimen from Wellington, collected by G.V. Hudson without other data), South I. (Nelson, North Canterbury, Westland, Fovealand, Dunedin, Southland, Stewart I, including Big S. Cape & Owen I) ^(NN) Northernmost record Wellington; southernmost record Big S. Cape I (SI)

Altitudinal range: sea level to ~~to~~ 1036m

Seasonal records: August - March

Plant Associations: Reared from Senecio renoldii (Compositae) Cytisus sp. (Leguminosae) as been beaten from Senecio, Pseudopanax eckleyi, Olearia grandis, Coprosma lucida, Lyrsine chathamica, Coprosma foetidissima, Nothofagus solandri & Noth. menziesii, Olearia lacunosa.

Sharpus imitarius

- SL 10[♂] ✓ Pukakaunui Falls, 15 km SW of Owaka, 16 Jan 1978, G. Kuschel (NZAC)
- DN 10[♂] ✓ Keith Valley, Dunedin, 12 Jan 1978, G. Kuschel letter 78/27 (NZAC)
- SL 30[♂] ✓ Pounawea, E of Owaka, 18 Jan 1978, G. Kuschel (NZAC)
- SC. 1 spec ✓ Bluecliff, 27 Dec 1921 C.F. Clarke (BMNH)

Sharpus sandageri

- SC ✓ 1♀ Peel Forest, 4 Dec 1962, P. M. Johns (ZDCU)
- MC? 1♂ Prices Bush, 31 Jan 1943, Lindsay, (CM)
- MC ✓ 2♂ Akaroa, 14 Nov 1939, Lindsay, (CM)
- MC ✓ spec. Akaroa, 12 Dec 1924, A. Tonnoir (CM)
- MC ✓ 3♂ Cashmere, ChCh, 15 Jan 1958 P.M. Johns, in garden (ZDCU)
- MC ✓ 1♂, 2♀ Kaituna, Banks Peninsula, 22 Aug 1964, G. Kuschel, litter (ED)
- MC ✓ 4♀ Mt Hutt, 1000m, 12 Dec 1974, G. Kuschel, beaken Carmichaelia (ED)
- MC 1♂, 1♀? McKennans Bush, 9-10 Dec 1941, E.S. Gourlay (ED)
- MC ✓ 2♂ Riccarton Bush, ChCh 15 Aug 1936, ES Gourlay (ED)
- MC ✓ 1♀ Riccarton Bush ChCh 7 Jan 1924, - - - (ED)
- SD ✓ 1♀ Stephens J., 9-15 Sep 1916, A.C. O'Connor (ED)
- DN ✓ 1♀ Otago no other data, var 2224, Brown Collⁿ (ED)
- MC ✓ 1♂ Otago, 9 Oct 1913 no other data (ED)
- MC ✓ 1♀ Rakaiia Gorge, Canterbury, 18 May 1912, T. Hall (ED)
- NC ✓ 1♂ Rangiora, Dec 1941, E. Bollard, X Timber (ED)
- DN ✓ 2♂ Moeraki, no date, P. Sandager, ex Brown Collⁿ (ED) ~~Lelectotype + paralectotype of Sharpus sandageri~~ ~~in McKennans van Obsoletus~~
- DN ✓ 1♂, 1♀ Matanaka Pt Wai Roniki, Otago, 6 Sep 1968, J.S. Dugdale ex ^{coastal} Carmichaelia (ED)
- MC ✓ 1♀ Ardah^g, near Methven, 15 Mar 1912, near 2224, Brown Collⁿ (ED)
- MC ✓ 1? Mt Hutt, 27 Feb 1912, n.o.d. (ED)
- NC ✓ 1♀ Mt Grey, 16 Jan 1958, E.S. Gourlay (ED)
- MC ✓ 1♂ Methven, Jan 1912, var 2224 ex Brown Coll (ED)
- 1C ✓ 2♂, 2♀ Dyers Pass, ^{1090'} 23 Aug 1914, var 2224 Brown Coll (ED)
- 1♀ near 2224 Brown h.w., no d. (ED)
- MC ✓ 1♂ Methven, Dec 1916 var 2224, Brown h.w. (ED)
- MC* ✓ 2♂ Methven 1 Feb 1912, var 2224 - - - (ED) ccE Apr '66 BAH.
- MC 4♀ (FRI 11) Methven, 25 Feb 1959, R.J. McKenzie Beaten P. radiata (FRI)
- NC ✓ 1♀ (FRI 10) Cheviot^{Hills} Plantation, 18 Jan 1960, R.J. McKenzie. (FRI)
- 1C ✓ 1♀ (49) " " " em 7 Dec 1959, R.M.J. McKenzie [REARED] Crataegus sp (FRI)
- KA ✓ 2♂ (41) Kaikoura em 25 Oct 1962, W.A. Holloway [REARED] Cytisus scoparius (FRI)
- KA ✓ 2♀ (53) " " " " " [REARED] " " (FRI)
- NC 4♀ (51) Cheviot Hills Plantⁿ, em 15 Dec 1959 R.M.J. McKenzie [REARED] Crataegus sp. (FRI)
- NC 4♀ (52) " " " " em 1 Dec 1959 " " [REARED] " " (FRI)
- KA 1♂, 1♀ (43) Kaikoura, em 25 Oct 1962, W.A. Holloway [REARED] Cytisus scoparius (FRI)

23♂ 25♀ 2 unsex

Sharpus sandageri

- KA 2♀ (44) Kaikoura env 25 Oct 1962, W.A. Holloway REARED Cytisus scoparius (FRI)
- 1♂, 1♀ (46) 8 Jun 1961, no other details (FRI)
- NC 1♂ (47) Cheviot Hills Plantⁿ, em 11 Jan 1960, R.M.J. McKenzie REARED Acacia dealbata (FRI)
- KA 2♂ (48) Kaikoura env 25 Oct 1962, W.A. Holloway REARED Cytisus scoparius (FRI)
- 2 specs without date (NM)
- 1♀ w.d. var 2224 (Blw) (NM)
- 1♂, without date (NM)
- MC 1♂, Riccarton Bush, 15 Sep 1936, E.S. Gourlay (NM)
- SD 1♂, 1♀ Stephens I, 20 Sep 1916, A.C. O'Connor (NM)
- SD 1♂ " " 9-15 Sep 1916 (NM)
- SD 1♂, 1♀ Little Waikawa Bay, near Ships Cove, Picton 5 Nov 1915, A.C. O'Connor (NM)
- SD 2♂, 1♀ Stephens I, 9-15 Sep 1916, A.C. O'Connor (NM)
- VN 2 specs, Wellington, G.V. Hudson (NM)
- WN 1♀ (803g) Karaka Grove, Sinclair Head nodate. G.V. Hudson (NM)
- NN 1♂ (803d) " " " " 12 Mar 1925 . . . (NM)
- " 1♀ (803e) " " " " 9 Nov 1926 . . . (NM)
- " 1♀ (803f) " " " " 12 Oct 1929 . . . (NM)
- " 1♂ (803g) " " " " 13 Oct 1930 . . . (NM)
- " 1♂ (803k) " " " " 9 Sep 1933 . . . (NM)
- KA 1♀ (803h) Puhipuhi Perhaps the one N. of Kaikoura 10 Nov 1933 . . . (NM)
- VC 2 specs (45, 47) Cheviot Hills Plantⁿ 6 Nov 1959, REARED Acacia dealbata (47), Crataegus (45) (FRI)
- DN 1 ~~spec~~ HOLOTYPE Moeraki; Sandager. (BM)
- > NT spec. Moeraki (BM)
- SD 1♀ Stephens I, Feb 1971, J. McBurney, litter. (ED)
- SC 1♂ Pareora Gorge, Feb 1951, L.J. Dumbleton, Shags nest. (ED)
- AC 1♀ Otepotatu Reserve, Banks Peninsula, 610m, 16 Nov 1976, J.S. Dugdale (ED)
- ML 2 specs (as sandageri var. obsolatus) Methven Dec 1911, + Jan 1912 Brunellⁿ (BM)
- 1 spec (" " " ") no loc. or date . . . (BM)

90 CM ZPCU 20
 SPECS EXAM: ~~89~~ (BM, ED, FRI, NM) Hol. sandageri, lect. obsol., 38♂, 38♀, ~~20~~ unsexed
 LOCALITIES: North I. (Wellington) and South I. (Marlborough Sed. incl. Stephens I, Kaikoura, ~~NC~~ North Canterbury, Mid Canterbury, South Canterbury, Dunedin) from sea level to 1000m. Northernmost - Sinclair Hd, WN; Southernmost - Waikouiti, DN. ~~Moeraki~~

Sharpus sandagei

Seasonal records: August - January, March, May.

Plant Associations: Has been reared from Crataegus sp (Rosaceae); Cytisus scoparius, ~~*~~ (Leguminosae^{alt}); Acacia dealbata (Leguminosae); Has been beaten from Carmichaelia () and Pinus radiata (Pinaceae), and extracted from litter samples.

Additional Specs. Examined

MC? 6 spec Deans Bush, 20+22 Dec 1949, J.S. Dugdale (PM Johns Coll¹)

MC? 1 spec, Coopers Knob, Banks Peninsula, beating Fuchsia excorticata, PM Johns (PMJ Coll¹)

MC 1 spec Kennedy's Bush, Scenic Reserve, ^{Banks Peninsula,} 29 Jan 1981 (PM Johns Coll²)

DN ✓ 1 spec Andersons Bay, Dunedin, 7 Nov 1924, C. Clarke (BMNH)

DN ✓ 1 spec Broad Bay, Otago Peninsula 23 Nov 1910, CE Clarke (BMNH)

Sharpinus venustus

- NC ✓ 1 ♀ Arthur's Pass, 5000', 16 Dec 1959 J.I. Townsend (ED)
- 1 ♂ no data, Wakefield Collⁿ (C.M)
- MC ✓ 1 ♀ Mistake Creek, near Methven, 20 Oct 1913, T. Hall (ED)
- NN ✓ 1 ♀ Nelson City, 24 Jul 1957, E.S. Gourlay (ED)
- TO ✓ 1 ♀ (1493a) Waimarino ^{- Waimarino Park} 6 Jan 1930, G.U. Hudson Beaten out of forest growth. (NM)
- NC ✓ 1 ♂ (22) Eyrewell S.F., ^{10 Oct 1962, R.J. McKenzie} ~~13 Mar 1962, R. Zondag~~, on P. radiata (FRI)
- BP ✓ 1 ♂ (21) Rotoehu S.F., 13 Mar 1962, R. Zondag, on Pinus patula (FRI) ^{Drawn D. Helmore, 13 Jun 1978}
- NN ✓ 1 ♀ Flora Camp, Mt Arthur, 3000', 12 Jan 1918, A.C. O'Connor, off beech stump (NM)
- SL ✓ 1 ♀ HOLOTYPE, Invercargill, 10 Aug 1912 A.P. H. Pott (B.M)
- MC ✓ 1 ♀ Mistake ^{Basin} ~~Basin~~, near Methven, 20 Oct 1913 [T. Hall] (B.M)
- MC ✓ G. Kuschel has advised me that there is a specimen of venustus in the Brown Collⁿ in Paris ^{from M.E. H. Graessl}

Holotype + 2 ♂, 7 ♀

SPECS EXAM: 11 (B.M, C.M, E.D, F.R.I, N.M)

DISTRIBUTION: North I. (Bay of Plenty [Rotoehu S.F.], Taupo [Waimarino]) and South I. (Nelson, North Canterbury, ^{Northernmost record. Rotoehu S.F.} Mid Canterbury, ^{Southernmost record. Invercargill S.I.} Southland) from sea level to 1525 m

Seasonal records: January, March, July, August, October, December

Plant Associations: Has not been reared. Has been beaten from Pinus radiata, & P. patula (Pinaceae) & Nothofagus sp (Fagaceae)

Tribasileus

SPECS EXAM ①

Tribasileus noctivagus

All from Three Kings Is.

- 15 ♂, 15 ♀, Castaway Camp, Great I., Nov 1970, G. Kuschel (NZAC)
 1 ♀, " " " " " J. M'Burney, on Gymnolea (NZAC)
 1 ♂, " " " " " G. Kuschel, on Myoporum laetum (NZAC)
 3 ♂, 2 ♀, " " **HOLOTYPE ♂** " " " " " on Melicope live bark at night (NZAC)
 1 ♂, " " " " " " " " " " " on Brachyglottis arborescens (NZAC)
 2 ♀, Tasman Valley, Great I. " " " " " G.W. Ramsay (NZAC)
 2 ♀, " " " " " " " " " " " G. Kuschel (NZAC)
 3 ♂, 1 ♀, " " " " " " " " " " " J. M'Burney, at night (NZAC)
 1 ♂, " " " " " " " " " " " J.C. Watt, on ground at night (NZAC)
 1 ♂, 1 ♀, " " " " " " " " " " " G. Kuschel, on Coprosma macrocarpa (NZAC)
 1 ♂, " " " " " " " " " " " " " " " on Coprosma rhamnoides (NZAC)
 1 ♂, 1 ♀, " " " " " " " " " " " " " " " on Litsaea (NZAC)
 5 ♂, 4 ♀, Great I. J.C. Watt, at night (NZAC)
 1 ♂, East Rock face, Great I., 15 Dec 1963, P. Johns, at night, (UCNZ)
 4 ♂, 1 ♀, Tasman Valley, Great I., 14 Dec 1963, P. Johns, at night (UCNZ)
 3 ♂, 1 ♀, Castaway Valley 13 Dec 1963 " " " " " (UCNZ)
 1 ♂, " " " " " " " " " " " 10 Dec 1963, " " " Leptosper. ericoides at night (UCNZ)
 1 ♂, " " " " " " " " " " " 10 Dec 1963 " " " beating L. ericoides (UCNZ)
 1 ♂, " " " " " " " " " " " 15 Dec 1963 " " " beating broadleaves (UCNZ)
 1 ♂, 4 ♀, Summit Ridge, South West I., Nov 1970, G. Kuschel, on Coprosma macrocarpa (NZAC)
 1 ♂, 1 ♀, South West I., Nov 1970, G. Kuschel, on Melicope ternata (NZAC)
 2 ♀, Great I., Nov 1970, J.C. Watt (NZAC)
 1 ♂, 1 ♀, Great I., " " " " " J.C. Watt and G.W. Ramsay, beating at night (NZAC)
 1 ♂, 2 ♀, Great I., E.S. Gowlay 7 Jan 1963 (NZAC) - one ♀ drawn, D. Helmore 13.9.79
 3 ♀, Great I., E.S. Gowlay 1-3 Jan 1963 (NZAC)
 * Hol 46 ♂ 44 ♀

Total examined: ⁹¹~~88~~ (NZAC, UCNZ)

Localities: Three Kings Is. (Great I., South West I.)

Seasonal Records: Nov - Jan.

Plant Associations: Has not been reared. Adults have been ~~beaten~~ collected on various native trees & shrubs. Gut contents included

Remarks: This large flightless beetle ~~is active~~ wanders over vegetation at night hence the specific name noctivagus.

Xenanthribus

SPECS Exam. (1)

Xenanthribus hirsutus Brown 1893

- DN ✓ 4 unsexed, Moeraki Beach, 12 Jan 1978, G. Kuschel (NZAC)
- ✓ 2♂, 3♀ No data (NMNZ)
MC ✓ 2♂ Prices Bush, 31 Jan 1943 S. Lindsay (CMNZ)
MC ✓ 5♂, 1♀, Kaikuna, Banks Peninsula, 22 Aug 1964, G. Kuschel, litter (NZAC) ^{1♂ Drawn by Des Helms 15.2.74}
MC ✓ 2♂ S. of Little River, Banks Peninsula, 5 Sep 1966 A.D. Lowe, litter under Leptospermum (NZAC)
MC ✓ 1♂ Alford Forest, Staveley, 14 Jul 1966, A.D. Lowe (NZAC)
NC ✓ 1♀ Upper Hurunui, 25 May 1951, W. Dukes (NZAC)
SD ✓ 1♂, 1♀, Stephens I., 16 Feb 1971, G.W. Ramsay, litter (NZAC)
MC ✓ 1♂ Sign of Kiwi, Port Hills, ChCh, 12 Nov 1954, J.H.E. McArthur (NZAC)
SD/MB ✓ 1♀ Pelorus Bridge, 25 Jul 1967, G. Kuschel (NZAC)
SD ✓ 2♂ Port Underwood Saddle, 1 Sep 1969, litter, G. Kuschel (NZAC)
NN ✓ 1♂ Sandy Bay, Marakau 15 Aug 1970, litter under Melicope, Geniostoma etc, J.S. Dugdale (NZAC)
NN ✓ 1♂ Wairoa Gorge, 20 Oct 1971, G.W. Ramsay, litter (NZAC)
SD ✓ 1♂ D'Urville I., 22 Mar 1942, E.S. Gourlay, (NZAC)
OL ✓ 1♀ Kingston, 30 Jan 1914, T. Brown Collⁿ (NZAC)
NN ✓ 1♂, 1♀ ^(Glen) Hope, 20 Jun 1915, T. Brown Collⁿ (NZAC)
- 1♂ no data, 2237, T. Brown Dup. Collⁿ (NZAC)
MC ✓ 1♂, Pudding Hill, near Methven, amongst decaying leafmould, 4 May 1912, T. Hall (NZAC)
DN ✓ 1♂ ^(LECTO) ~~(HOLOTYPE)~~ Moeraki, Otago, P.S. Sandager, no date, ex Brown Collⁿ (NZAC)
MC ✓ 1♂ Rakaia Gorge, 6 Jul 1912, T. Hall, ex Brown Collⁿ (NZAC)
MC ✓ 1♂ " 5 Jun 1912 " " " " (NZAC)
DN ✓ 2 specs (PARALECTYPES) Moeraki (BMNH) (type labels aff. BMNH 1966)
DN ✓ 1 spec Otago (BMNH)
- ✓ 1 spec, no locality (BMNH)
MC ✓ 2 specs Rakaia, 27 Sep 1912, (BMNH)
MC ✓ 1 spec Pudding Hill, 4 May 1912, (BMNH)
NN ✓ 1 spec Glenhope, 20 Jun 1915 (BMNH)
SL ✓ 4♂, 4♀ Cannibal Bay, E. of Otago, 18 Jan 1978, G. Kuschel, sifted litter 78/41 (NZAC)
DN 2♂ ✓ Leith V, Dunedin 12 Jan 1978, G. Kuschel, SvJ Peck litter 78/28²⁷ (NZAC)
DN ✓ 1♂, 1♀ Port Chalmers, Carey Bay, 13 Jan 1978, " " sifted beachwrack 78/28 (NZAC)
MC ✓ 2 specs Banks Peninsula, 15 Dec 80, 26 Mar 1977, PM Johns (PMJ Collⁿ)

Total specs examined: ~~41~~ ⁵³ (BMNH, CMNZ, NZAC) PMJ Collⁿ

Lecto. 3 1♂ 13♀ 8 unsexed

Localities: South I. (Marlborough Sounds, Marlborough, Nelson, North Cant., Mid Cant., Otago Lakes, Dunedin). Northernmost: Stephens I. SD; southernmost: ~~Moeraki~~ DN. Cannibal Bay, SL

Altitudinal records: near sea level to about 400m.

Seasonal records: January-March, May-November.

Plant Associations: Has not been reared. Adults have been extracted from leaf litter. Contents of gut consisted of bicellular brown spores probably ascospores + fragments of fungal fructifications.