

Araecerus

SPECS EXAM ①

Araecerus fasciculatus

intercept: 106.

AK. 10 ♂, 5 ♀ Infesting coffee beans from Africa, 15 Aug 1967, PQA. (NZAC)
DN 10♂, 1 ♀ Imported nutmegs from Malaya, 12 Jan 1953, Dept of Agric, PQ 18, identified as
Araecerus fasciculatus Des. by KAJ. Duffy '53 (NZAC)
NN 10♂ In nutmeg, Feb 1967, J. Waller (NZAC)

Specs Examined: 12 ♂, 6 ♀ AK NN DN .

Araecerus

Araecerus

SPECS EXAM ①

Doticus palmaris

NN ✓ 9 ♂	5 ♀	Research Orchard, Appleby, 14 Sep 1972, W. Thomas, REARED mummified apples (NZAC)
NN ✓	1 ♀	" " " " 10 Mar 1972 " " REARED mummified apples (NZAC)
NN ✓ 10 ♂		" " " " 31 Mar 1971 " " (NZAC)
NN ✓ 4 ♂		Isel Park, Nelson, 10 Apr 1970 J.S. Dugdale REARED mummified figs (NZAC)
NN ✓ 10 ♂		Atawhai, 12 Mar 1970, J.S. Dugdale, on window (NZAC)
NN ✓	1 ♀	Nelson, 5 Apr 1970, J.S. Dugdale (NZAC)
-	1 ♂ 1 ♀	no data (NZAC)
NN ✓ 10 ♂		Nelson City, 8 Jan 1972, B.A. Holloway (NZAC)
NN ✓ 10 ♂		Nelson, 14 Feb 1964, E.W. Valentine, lem Titoki fruit (NZAC)
NN ✓ 10 ♂		Nelson, 10 Feb 1941, E.S. Gourlay (NZAC)
NN	1 ♀	" 4 Jun 1957, " " (NZAC)
NN	10 ♂	" 5 Jun 1929 " " (NZAC)
NN	10 ♂ 1 ♀	" Apr 1953, J.S. Timlin REARED mummified lemons (NZAC)
NN	1 ♀	" 14 Nov 1948, E.S. Gourlay (NZAC)
NN	1 ♀	" 20 Sep 1942, E.S. Gourlay, REARED <u>Uromycladium notabile</u> galls (NZAC)
NN	10 ♂	" Feb 1953, E.S. Gourlay (NZAC)
NN	1 ♀	" 5 May 1967, B.A. Holloway (NZAC)
NN	10 ♂	" Feb 1969, " " (NZAC)
NN	20 ♂ 4 ♀	" 20 Nov 1928, E.S. Gourlay (NZAC)
NN	10 ♂ 1 ♀	" em Nov 1960, E.S. Gourlay, REARED logquat fruit (NZAC)
NN	1 ♀	" 19 Feb 1963, G. Kuschel (NZAC)
NN	1 ♀	" 20 Nov 1928, E.S. Gourlay (NZAC)
NN	20 ♂ 3 ♀	" 1930, Reared from wattle galls, no other data (NZAC)
AK ✓ 10 ♂	1 ♀	Mt Albert, 20 Sep 1979, P.S. Dale, REARED mummified peaches (NZAC)
AK ✓ 10 ♂	1 ♀	Wattle Bay, Lynfield, 2 Dec 1978, G. Kuschel (NZAC)
AK	1 ♀	" " " " 24 Apr. 1978 " " (NZAC)
AK ✓ 10 ♂		Tropicana Drive, " 25 Oct 1975 " " (NZAC)
AK ✓	3 ♀	Lynfield, 1 Mar 1979, G. Kuschel, REARED galls on <u>Acacia verticillata</u> (NZAC)
AK	10 ♂	" 5 Nov 1978, G. Kuschel (NZAC)
AK	10 ♂	" 11 Dec 1976 " " Pasture sweep (NZAC)
AK ✓	1 ♀	Tropicana Drive, Lynfield, 10 Nov 1975, G. Kuschel of <u>Lagunaria</u> ex old dry fruit (NZAC)
NN ✓ 10 ♂		Nelson 20 Mar 1928, E.S. Gourlay (NMNZ)
AK ✓ 10 ♂		Mt Albert, 12 Nov 1939, D. Spiller, REARED mummified peaches (NZAC)
AUSTRALIA	1 ♀	W.W.F. Acacia dec.??? galls [? Hadbrat, 1895, <u>Doticus pestilens</u> det AM Lea (NZAC)
ND ✓ 10 ♂		(FRI 84) Omahuta, on <u>Cupressus macrocarpa</u> 15 Jan 1958 (FRNZ)
NN	1 ♀	(FRI 85) Nelson, 24 Dec 1938. (FRNZ)
NN	10 ♂	Nelson, 30 Jan 1944, E.E. Walker NZAC Drawn by D.W. Helmore 29.3.77
NN	2 ♀	" 2 Dec 1942, ex apples, Orch. Instructor (NZAC)
AK	10 ♂	Auckland, July 1938, W. Coffer, ex citrus (NZAC)
AK	10 ♂ 3 ♀	Auckland, 12 Nov 1939, bred from mummified peaches, D. Spiller (BMINH)

Total examined: 38 ♂, 34 ♀ (ND, AK, NN)

Androporus

SPECS EXAM ①

Androporus discedens Sharp

- ND ✓ 1♂, Waipoua Forest, 7 Dec 1976, B.M. May, beaten Ackama rosae^{ae}folia (Cunoniaceae) (NZAC)
- AK ✓ 1♂, Waitakere Ra, March 1909, T. Brown (NZAC)
- MC ✓ 1♂, Mt Hutt, 1066 m, 10-12 Dec 1973, A.C. Eyles, on Itebe (NZAC)
- ND ✓ 1♂, ~~Kaitake~~ Kaitake Bush 300', 30 Nov 1944, B. Given (NZAC)
- AK ✓ 1♂, Hunua Ra, 2 Dec 1961, G. Kuschel (NZAC)
- WO ✓ 1♂, Mangatarata, (S. Auckland) Hampden Rd, Nov 1973, A.K. Walker, ^{beating} Phyllocladus trichomanoides (NZAC)
- WN ✓ 1♂, 1♀, Silverstream, 1916, E.S. Gaultay Acc. 1970 (NZAC)
- AK ✓ 1♀, Tihirangi, 23 Nov 1916, A.E. Brookes (NZAC)
- AK ✓ 1♀, Orere Bush, Auckland, 10 Jan 1957, J.C. Watt, beaten Litoki (NZAC)
- BP ✓ 1♀, Motu River Flats, Bay of Plenty, May 1920, A.E. Brookes (NZAC)
- AK ✓ 1♂, Swanson, 5 Dec 1916, A.E. Brookes (NZAC)
- CL ✓ 1♀, Tairua, ex Brown coll, no date (NZAC)
- 2♀ (971) T. Brown Coll, n.o.d. (NZAC)
- WN ✓ 1♂, Wellington, G. V. Hudson (NMNZ)
- WN ✓ 1♀, Wellington (981) G. V. Hudson (NMNZ)
- WN ✓ 1♀, " G. V. Hudson (NMNZ)
- WN ✓ 1♀, Kaitoke 25 Dec 1909, A.C. O'Connor (NMNZ)
- WN ✓ 1♂, Silverstream, 15 Feb 1913 A.C. O'Connor (NMNZ)
- WN ✓ 1♂, " 11 Jan 1909 . . . (NMNZ)
- AK ✓ 1♀, Swanson, (971), 5 Dec 1917, T. Brown Dup. Coll. (NMNZ)
- WN ✓ 2♀, Silverstream, 19 Dec 1909, A.C. O'Connor (NMNZ)
- WN ✓ 2♂, " 1916, A.C. O'Connor (NMNZ)
- 1♀ no data (NMNZ)
- WN ✓ 6♀ (981 q) Gollans Valley, Jan, Feb 1939, G. V. Hudson (NMNZ)
- WN ✓ 4♂, 1♀ (981 d, e) Gollans Valley 22 Dec 1922, G. V. Hudson (NMNZ)
- WN ✓ 1♂ (981 m) Karori Reserve 19 Jan 1936 . . . (NMNZ)
- WN ✓ 1♀ (981 k) Days Bay 16 Feb 1931, G. V. Hudson (NMNZ)
- WN ✓ 1♀ (981 t) no data G. V. Hudson (NMNZ)
- WN ✓ 1♀ (981 u) Gollans Valley 2 Feb 1943 (NMNZ)
- 1♀ (971) - no data (CMNZ)
- WN ✓ 1♀, Butterfly Creek, 3 Jan 1938, C.L. Webb (CMNZ)
- 1♀ no data, "Anthrribus discedens", (CMNZ)
- ND ✓ 1♂ (FRI 30), Waipoua S.F., ex Rauri, 30 Nov 1949 (FRNZ) **REARED**
- BP ✓ 1♀ (FRI 43), ~~Waipoua S.F.~~ Whaka S.F., 20 Oct 1961, P. radiata Lot 7 (FRNZ)
- BP ✓ 1♂ (FRI 176) Whakarewarewa S.F., 20 Jan 1960, ^{bread} P. laricio, R.H.M. (FRNZ) **REARED**
- AK ✓ 1♀ (FRI 187) Swanson, near Auckland, 5 Feb 1949, N.M.W. (FRNZ)
- ND ✓ 1♀ (FRI 191) Waipoua S.F., 30 Nov 1949, ex Rauri (FRNZ) **REARED**
- BP ✓ 2♀ (FRI 202) Whakarewarewa S.F. 12 Jan 1960, ^{bread} P. laricio R.H.M. (FRNZ) **REARED**
- SL ✓ 1♀ (130) Conical Hills S.F., R.F. McCormack, 20 Oct 1959 **REARED** P. laricio (FRNZ) em 5 Jan 1960
- WN ✓ 3♀ (131, 132, 135) Wellington District, M.A. Stoodley 12 Nov 1959 (FRNZ)
- WN ✓ 1 spec (134) " " (FRNZ) returned Sep '69.
- BP ✓ 1♂ (136) Blue Lake Rotorua, 25 Sep 1958, R.H. Milligan (FRNZ)

Androporus discedens Sharp

- WN ✓ 1 ♂ (138) Wellington District, 12 Nov 1959, M. A. Stoodley [Reared from ?] (FRNZ) ^{NO. Secombe} em 16 Nov 60
- BP ✓ 1 ♂ (139) Matahina Forest near Whakatane, 10 Oct 1960 [REARED] Pinus radiata (FRNZ)
- BP ✓ 1 ♀ (141) Forest Res. Inst, Rotorua, 9 Sep 1960 (FRNZ)
- BP 1 ♂ (142) Katikati, 25 Jan 1959, R.H. Milligan (FRNZ)
- BP ✓ 1 spec (143) Matahina Forest near Whakatane 10 Oct 1960, N.O. Secombe [REARED] Pinus radiata (FRNZ)
- BP ✓ 1 ♂ (144) " " " " [REARED] " (FRNZ)
- SL ✓ 1 ♂ (145) Conical Hill S.F., 20 Oct 1959, ^{R.F. Cormack} ~~M.A. Stoodley~~ [REARED] P. laricio Em 5.1.60 (FRNZ)
- AK/WO ✓ 1 ♂ (146) Maramarua S.F., P.S. Crowhurst, 14. ~~10~~ Oct 1963, (FRNZ)
- BP ✓ 1 ♀ (296) Rotoehu S.F., 8 Feb 1962, A.E. Marsack (FRNZ)
- BP ✓ 1 ♂ (137) Matahina Forest near Whakatane, 10 Oct 1960, N.O. Secombe [REARED] Pinus radiata (FRNZ)
- AK ✓ 1 ♂ Swanson, 5 Dec 1916, A.E. Brookes (NZ Ac)
- 1 ♀ no data (NMNZ)
- AK ✓ 1 ♀ HOLOTYPE deterius Helensville, n.o.d. Hol. label affix. Feb '65, BAH. (BMNH)
- CL ✓ 1 ♂ HOLOTYPE laetabilis Taunua, n.o.d. (BMNH)
- WN ✓ 1 ♂ HOLOTYPE obscurus Silvestream Wgh, O'Connor. Hol. label affix. Feb '65, BAH. (BMNH)
- WN ✓ 1 ♀, labelled obscurus var Brown, Silvestream Wgh ~~affix~~ n.o.d. (BMNH)
- TO ✓ 1 ♂ Waimarino, Jan 1909, Brown Coll? (BMNH)
- AK ✓ 1 ♂ Waitakere, Dec 1908 (BMNH)
- ND ✓ 1 ♂ Parua, n.o.d. (BMNH)
- AK ✓ 1 ♂ Waitakere n.o.d. (BMNH)
- TO ✓ 1 ♀ Waimarino, Jan 1909 (BMNH)
- AK ✓ 1 ♀ Waitakere n.o.d. (BMNH)
- AK ✓ 1 ♀ Tuakau n.o.d. (BMNH)
- WN ✓ 1 ♂ (133) Wellington District, M.A. Stoodley, em 27 Nov 1959 Host not stated [Brown 31.3.50 D.H.] (FRNZ)
- ND ✓ 1 ♀ Waipona Forest, Oct 1967, J. C. Watt (NZ Ac) ^{Retained NZAC}
- AK ✓ 1 ♂, Flat Bush, Murphy's Bush, 30 Aug 1977, em 30 Nov 77 [REARED] Podocarpus sp. ^{Rotten fallen branches} J.C. Watt (NZAC)
- AK ✓ 1 ♀ Destruction Gully Huia, em 2 Dec 1975 [REARED] dead branches Toronia toru, BM May (NZ Ac)
- 32 ♂, 45 ♀, 2 unsexed
- ✓ 1 ♀, no data (OMNZ)
- WN 1 ♂ 3 ♀ Wellington (Willons Bush, Gollans V.) 1942, G U Hudson (BMNH)
- WO 1 ♂ ✓ Waitomo, 2 Nov 1943, C.E. Clárke (BMNH)

Androporus discedens n. comb.

81 80 CMNZ OMNZ
 Total specimens Examined: ~~80~~ (BMNH, FRNZ, NMNZ, NZACP)

LOCALITIES: North Island (Northland, Auckland, Coromandel, Waikato, Bay of Plenty, Tairāpiti, Wellington) and South Island (Mid Canterbury, Southland) from ^{near} sea level to 1066 m. Northernmost record: Waipoua Forest, ND; Southernmost record: Conical Hills, ~~SL~~ SL

SEASONAL RECORDS: September - February

PLANT ASSOCIATIONS: Has been reared from Toronia toru (Proteaceae) and Agathis australis

(Araucariaceae); Pinus nigra (= laricio) and P. radiata (Pinaceae)

Specimens have been taken from Actinidia rosaeifolia (Cunoniaceae);

~~Rare on~~ ^{fallen} branches of Podocarpus sp. (Podocarpaceae);

Phyllocladus trichomanoides (Podocarpaceae), Alectryon excelsus

(Sapindaceae), Hebe sp. (Scrophulariaceae). ^{"Diplodia"-like} The hindgut conidia and ~~elliptic~~ ^{elliptic}, bicellular, elliptic, spinulose brown spores, ~~prob-~~ of dissected adults contained ^{ably} of an ascomycete, ~~ably ascomycetes~~, have been found in the

~~have been found~~ in the hindgut of dissected adults.

Arecopais

SPECS EXAM. (1)

Arecopais spectabilis

- ND ✓ 5♂, 9♀, Unuwaho, 1000', 18 Jan 1966, A.K. Walker, on Rhopalosiphum sapida (NZAC)
- ND ✓ 5♂, 3♀, Road to Tom Bowling Bay, 17 Jan 1966, (NZAC)
- NN ✓ 20♂, 1♀, Kohaihai R., 30 May 1963, G. Kuschel, ~~Conyza affinis~~ (NZAC)
- CL ✓ 20♂, Kauaeranga Valley, 18-20 Jan 1960, R. Zondag & J.I. Townsend (NZAC)
- AK ✓ 20♂, 1♀, Waiwera, 7 Dec 1961, G. Kuschel (NZAC)
- ~~NN~~ ✓ 10♂, 2♀, Oparara, 13-19 Nov 1957, E.S. Gourlay (NZAC)
- SD ✓ 7♂, 6♀, Chetwode Is, 15-16 Jan 1964 (NZAC)
- AK ✓ 10♂, Piha, 30 Jan 1949, E.S. Gourlay (NZAC) Drawn by D. Helmore
- AK ✓ 6♂, 1♀, Ness Valley, Clevedon, 8 May 1960, B.M. May, ex nikau sheath (NZAC)
- AK ✓ 30♂, 4♀, Parapara Stream, Waitakere Ra., 11 Jan 1976, A.K. Walker, dead nikau fronds (NZAC)
- NN ✓ 11♂, 5♀, Kohaihai River, N. Karamea, 14 Nov 1957, J.I. Townsend (NZAC)
- ND ✓ 40♂, 1♀, Hen J., 7 Jan 1963, E.S. Gourlay (NZAC)
- CL ✓ 20♂, Little Barrier, 8 Mar 1974, J.C. Watt, ex Rhop. sapida fallen sheath (NZAC)
- AK ✓ 40♂, Tihirangi 3-7 Mar 1931, E.S. Gourlay (NZAC)
- AK ✓ 10♂, 2♀, " 5 Oct 1927 (NZAC)
- TK ✓ 30♂, 7♀, Pukearuru, Taranaki, 22 Oct 1968, J.S. Dugdale, ex hands of nikau inflorescence (NZAC)
- ND ✓ 20♂, Waipoua S.F., 3 Feb 1975, J.C. Watt, beat few at night (NZAC)
- AK ✓ 80♂, 1♀, Clevedon, 9 Jul 1958, R.A. Cumber (NZAC)
- AK ✓ 20♂, Muriwai, 11 Mar 1914, A.E. Brookes (NZAC)
- ND ✓ 30♂, 3♀, Otangaroa, 23 Feb 1959, R.A. Cumber (NZAC)
- AK ✓ 30♂, 4♀, Pukapuka, 18 Mar 1959 (NZAC)
- WN ✓ 10♂, Balance Reserve, Manawatu Gorge, 11 Jan 1957, J.I. Townsend (NZAC)
- ND ✓ 50♂, 2♀, Peria, 23 Sep 1958, R.A. Cumber (NZAC)
- AK ✓ 30♂, Anawhata, Auckland Prov., 22 Mar 1957, J.C. Watt (NZAC)
- ND ✓, 1♀, Paparoa, 29 Sep 1958, R.A. Cumber (NZAC)
- AK ✓, 1♀, Piha, 30 Sep 1958, R.A. Cumber (NZAC)
- ND ✓ 10♂, 1♀, Maungakīroto 29 Sep 1958 (NZAC)
- WN ✓, 1♀, Kahuterawa, 27 Apr 1961 (NZAC)
- WO/BP ✓, 1♀, Te Aroha, 7 Jul 1958 (NZAC)
- ND ✓, 1♀, Mangamuka, 23 Sep 1958 " " (NZAC)
- ND ✓, 2♀, Bryndwyn^{uro}, 26 Feb 1959 " " (NZAC)
- RI-HB ✓, 1♀, Taihape - Napier, 4 Mar 1957 " " (NZAC)
- ND ✓ 10♂, Herekino, 22 Sep 1958 " " (NZAC)
- CL ✓ 10♂, 2♀, Wards Bush, Mt Moehau 370m, R.A. Hollarway, em 10 Dec 1979 **BEARED** fallen nikau fronds (NZAC)
- AK ✓ 20♂, Murphys Bush, Otara, 30 Aug 1977, G. Kuschel, litter (NZAC)
- AK ✓, 1♀, Tihirangi, 20 Mar 1914, A.E. Brookes (NZAC)
- AK ✓ 10♂, 1♀, " Nov 1967, C. Trevarthell, nikau frond bowl (NZAC)
- ND ✓ 10♂, Rd S. of Unuwaho, 19 Jan 1966, A.K. Walker (NZAC)
- NN ✓, 1♀, Kaituna, Collingwood, 28 Jan 1972, G. Kuschel (NZAC)
- CL ✓, 1♀, Turners Stream, Little Barrier I., 29 Nov 1954, R.A. Harrison (NZAC)
- AK ✓ 10♂, Tihirangi, Apr 1952, C.R. Thomas, ex car (NZAC)
- AK ✓ 10♂, Cascade Park, Waitakeres, 26 Feb 1960, R.A. Harrison (NZAC)

Areopais spectabilis

- 4♂, 7♀ no data, #980, T. Brown Dup Coll (NZAC)
- ND ✓ 2♀ Tauharanui, N. Auckland, Jan 1960, J.C. Watt (NZAC)
- ND ✓ 20♂ 1♀ Unuwhao, 610m, Nov 1967, J. McBurney, dead nikau sheaths (NZAC)
- ND ✓ 2♀ Waipuna Stream, Spirits Bay, Nov 1967, J.I. Townsend, ex nikau (NZAC)
- AK ✓ 10♂ Cosseys Creek, AK, 21 May 1960, J.C. Watt, Nikau, (NZAC)
- ND ✓ 40♂, 1♀ Waipuna Forest, Tane Mahuta, 12 Oct 1967, . . . beating shrubs at night (NZAC)
- AK ✓ 1♀ Mt Auckland AK, 10 Jan 1974, G. Kuschel, on Collospermum (NZAC)
- CL ✓ 1♀ Rangiwahakaea Bay, Great Barrier I., 30 Nov 1957, J.C. Watt (NZAC)
- CL ✓ 1 spec Port Fitzroy " " 24 Nov 1957 . . . [badly damaged] (NZAC)
- AK ✓ 1♀ Muriwai, 11 Mar 1914, T Brown Dup Collⁿ (NZAC)
- ND ✓ 1♀ Waipu, N. Auckland, Jan 1914, A.E. Brookes (NZAC)
- SD ✓ 10♂ Waimaru, Clover Bay, Pelorus Sound, no date, dead sheath nikau, J. McBurney (NZAC)
- AK ✓ 10♂, 4♀ Cascade Park, Swanson, Waitakere Ra, 26 Feb 1960, K.A.J. Wise (NZAC)
- SD ✓ 10♂ D'Urville I., 19 Aug 1960, I. Mannering, beating (NZAC)
- 10♂ no data (NZAC)
- AK ✓ 1♀ Riverhead, 12 Jul 1966, R.A. Cumber, leaf litter (NZAC)
- CL ✓ 1♀ Coromandel 350m, 23 Mar 1977, G. Kuschel (NZAC)
- AK ✓ 1♀ Cascade, Waitakere, 12 Sep 1948, K.P. Lamb (NZAC)
- AK ✓ 1♀ Walker Bush Track, 5 Nov 1976, A.K. Walker, sweeping (NZAC)
- AK ✓ 10♂ Huia, 31 Jan 1964, B.M. May (NZAC)
- ND ✓ 1♀ Waiare, 19 Sep 1958, R.A. Cumber (NZAC)
- AK ✓ 1♀ Waitakere Ra, no date, ex Brown Collⁿ (NZAC)
- CL ✓ 10♂, 1♀ Titoki Flat, Little Barrier I., 23 Aug - 4 Sep 1958, J.C. Watt, fallen nikau sheath (NZAC)
- 250♂, 7♀ no data, J.C. Watt (NZAC)
- CL ✓ 80♂, 6♀ The Needles, Corom. Pen., 13 Nov 1956, fallen nikau sheath J.C. Watt (NZAC)
- AK ✓ 50♂, 2♀ Bethells Beach, 4 Mar 1956, J.C. Watt, fallen nikau sheath, J.C. Watt (NZAC)
- ND ✓ 130♂, 23♀ Bush near Mt Te Pahi (1019'), 1 Dec 1960, dead nikau fronds, B.A. Holloway (NMNZ)
- 60♂, 5♀ no data (NMNZ)
- WN ✓ 30♂, 3♀ (391 efg) Paekakariki, 12 Apr 1934, amongst dead nikau fronds G.V. Hudson (NMNZ)
- TK ✓ 50♂, 2♀ Brooklands, 12 Jan 1952, C.R. Foskett (NMNZ)
- CL ✓ 20♂, 4♀ Whangapara, Gt Barrier I., 17-29 Jan 1930, A.E. Brookes (NMNZ)
- AK ✓ 10♂ Auckland 1902, J.J. Walker per G.V. Hudson (NMNZ)
- WN ✓ 10♂ Makara Bush, 24 Feb 1927, G.V. Hudson, beaten from Askelia (NMNZ)
- SD ✓ 10♂ Inner Chetwode I., P.M. Johns, 30 Jul 1963, nikau fronds at night (UCNZ)
- AK ✓ 10♂ Bush Reserve, Kamps Rd, Pollok, 7 Jan 1964, P.M. Johns, nikau (UCNZ)
- ND ✓ 20♂ Maungakarama, Whangarei, 3 Jun 1927, E. Fairburn (UCNZ)
- TK ✓ 10♂, 3♀ Manaia, Feb 1928, G.V. Hudson (UCNZ)
- WN ✓ 2♀, 2 specs (271, 272, 273) Waikanae, 7 Jan 1962, L.W. Newman **REARED** Rhopalosiphum sapida (FRNZ)
- ND ✓ 40♂ (FRI 50, 52, 53, 54) Waipuna SF, 23 Nov 1949, ex nikau (FRNZ)
- AK ✓ 20♂ (FRI 55, 56) Swanson, 5 Feb 1949 (FRNZ)
- ND ✓ 40♂, 1♀ (FRI 57-61) Waipuna S.F. 28 Nov - Dec 1949 (FRNZ)
- CL ✓ 30♂ (FRI 122-124) Kauaeranga S.F., 19 Jan 1960, R.Z. & J.I.T. (FRNZ)
- ND ✓ 10♂ **LECTOTYPE** no data [near Whangarei] ^{label} affixed BATH April 1965 (CMNZ)
- 10♂, 1♀ no data (CMNZ)

Atrecopais spectabilis

- NN 1♂ ✓ Pakurau R. Nelson, 21 Jan 1972, G. Kuschel, on Rhopalosiphum sapida (NZAC)
- CL 1♂ ✓ Little Barrier I., 8 Mar 1974, J.C. Watt, on fallen sheath Rhop. sapida (NZAC)
- CL 1♂, 5♀ ✓ Wards Bush, 1200', Mt Moehau 1 Nov 79, em Dec 79 (REARED) nikau fronds on for. floor BAHall (NZAC)
- CL 13♂, 19♀ Ongahi Stream, 20m, 18 Mar 1980, B.A. Holloway, in fallen nikau fronds (NZAC)
- ~~These specimens in ethanol.~~
- AK 2♂ ✓ Waitakere Ra., Dec 1908, Brown (BMNH)
- ND 1♂ ✓ Parua, Nov 1875, Brown (BMNH)
- 1♂, 1♀ no data (BMNH)
- ND 1♂, 2♀ Whangarei, PARALECTOTYPE labels affixed Apr. 1965, BAH (BMNH)
- AK ✓ 1♂, 1♀ Milliers Bush, Whangarata, 17 Apr 1981, B.A. Holloway ^{Dead nikau} fronds (NZAC)
- AK ✓ 1♀ Huia, May 1975, Malaise trap, B.M. May (NZAC)
- 1♂, 1♀ no data (OMNZ)
- ND ✓ 1♂ Kaeo, 17 Jan 1921 C.E. Clarke (BMNH)
- AK ✓ 1♂ Wayby Gorge, Rodney, 27 Dec 1926 C.E. Clarke (BMNH)
- AK ✓ 1♂ Hunua Gorge 24 July 1932 C.E. Clarke (BMNH)
- AK ✓ 1♀ Tamahanga Hill, Matakana 30 Mar 1938 C.E. Clarke (BMNH)
- AK ✓ 2♂, 3♀ Waitakere, on nikau, H Swale (BMNH)

Areopais spectabilis

Total examined: Holotype + 22 ~~♂~~ + ~~183~~ + 183 ♀ + 3 specs. (BMNH, CMNZ, FRNZ, NMNZ, NZAC, UCNZ)

Seasonality: Throughout the year.

Distribution: North Island (ND including Hen Island, AK, CL including Great Barrier Island + little Barrier Island, WO, BP, TK, WN) and South Island (SD including D'Urville Island + Chetwode Islands ~~3~~, NN) Sea level to c. 650 m. Northernmost record Unuwhao ND; southernmost record: Oparara NN.

Plant Associations Has been reared from ~~fallen forest~~ ^{fallen forest} ~~fallen forest~~ and sheaths of fallen fronds of Rhopalostylis sapida (Palmae). Adults have ^{occasionally} been ~~collected from~~ ^{collected from} leaf litter & beaten from Collospermum sp. hiliaceae
Asteliva sp. hiliaceae
 ① Cordyline sp. Agavaceae
 ② Phormium sp. Agavaceae.

and extracted from leaf litter.

Freyinetia banksii (Pandananaceae)

Cacephatus aucklandicus

SPECS EXAM

①

Cacephatus aucklandicus (Brookes 1951)

SNARES I

- 50 ♂ 44 ♀, Snares I, 5-7 Jan 1973, D.S. Horning (ED)
 2 ♂ 1 ♀, Biological Stn, Snares I, 7 Jan 1973, beating dead Hebe elliptica at night, D.S. Horning (ED)
 1 ♂, " " " " 20 Jan 1972, on bark of Olearia lyalli " " " (ED)
 2 ♀ Penguin Rookery 6, Snares I, 2 Aug 1972, D.S. Horning, under bark dead Hebe elliptica, D.S. Horning (ED)
 1 ♂, Skua Pt, Penguin Rookery, Snares, 20 Jun 1972, under bark dead " " " (ED)
 1 ♂, Station Pt, Snares I, 8 Jul 1972 " " " " (ED)
 2 ♂ Biological Stⁿ, Snares I, ~~1 Feb 1972~~, 1 Feb 1972, H.A. Best, under bark dead Senecio stewartiae (ED)
 1 ♂, " " " " 13 Feb 1972, H.A. Best, on Hebe elliptica (ED)
 1 ♂, S. Side Boat Harbour " 26 Feb 1972, litter of Senecio stewartiae C.J. Horning (ED)
 1 ♀ Skua Pt, Snares I, 18 Mar 1972, K.J. Sainsbury, reared from dead skua [!!] (ED)
 1 ♀ Hoho Bay, Snares I, 31 Jan 1961, G.A. Knox (ED)
 3 ♂, 3 ♀ Skua Pt " 6 Jan 1973, DS & C.J. Horning (ED)
 1 ♀ Station Pt " 30 Jan 1967, P.M. Johns (ED)
 1 ♀ " " 3 Jan " " (ED) Olearia lyalli at night.
 1 ♂ " " 2 Jan " " (ED)
 2 ♀ " " 7 Jan " " (ED) beating Olearia lyalli
 1 ♀ " " 31 Jan " " (ED) Hebe elliptica at night
 1 ♂ " " 3 Feb " " (ED) Fernbird nest
 1 ♀ " " Feb 1967 " " (ED)
 1 ♀ Biological Stⁿ " 29 Jan 1971 C.J. Horning (ED), foliage Stilbocarpa rubra
 1 ♀ Colony 3 Flat " 17 Feb 1971 " " (ED) on leaves Senecio stewartiae
 1 ♂ Biological Stⁿ " Jan 1971, " " (ED) em 7 Apr 1971 **REARED** Carex trifida
 1 ♀ " " 21 Feb 1971 " " (ED) foliage Senecio stewartiae
 1 ♂ " " 9 Mar 1971, D.S. Horning (ED), foliage Poa astonii
 1 ♂, 1 ♀, Biol. Stⁿ, 13 Nov 1976, J.W. Early, on Olearia bark at night (ED)
 67 ♂ 62 ♀

STEWART I. AREA

- 3 ♂, 2 ♀ Big S. Cape I, Nov 68, em 16 Jan 1969 **REARED** Coprosma lucida ^{W68/44}, J.C. Watt (ED)
 3 ♂, 5 ♀ NE Big S. Cape I, 10 Feb 1969, beaten dead Senecio branches, B.A. Kuschel (ED)
 3 ♂ " " Feb 1969, beaten Olearia galsensii grandis B.A. Kuschel (ED)
 1 ♀ " " " " beaten Phormium sp. " " (ED)
 5 ♂, 3 ♀ Puwai Longl. (=BS C) 24-28 Aug 1964, Olearia forest at night, P.M. Johns (ED)
 1 ♀ NE Big S. Cape I, 10 Nov 1968, on Coprosma lucida G. Kuschel (ED)
 1 ♀ " " " " at night, G. Kuschel (ED)
 2 ♀ " " em 10 May 1969, **REARED** Coprosma lucida ^{W68/44}, G. Kuschel (ED)
 3 ♂, 3 ♀ Big Stage I, 31 August 1964, Olearia forest, B.D. Bell (ED)
 3 ♂, 2 ♀ Rakerehua V. Stewart I, 22 Feb 1968, em 1 May 1969 **REARED** Rimu, L.J. Dumbleton ^{W68/21} (ED)
 1 ♂ Big S. Cape (NE) I, Feb 1969, on Hebe elliptica, A.C. Eyles (ED)
 1 ♂ " " 10 Feb 1969, on flax at night, " " (ED)
 1 ♂ Big S. Cape I, no other data (ED) at night.
 3 ♂, 4 ♀ " " " " (ED)

Cacephatus aucklandicus (Brookes)

- 2♂, 4♀, Big S. Capel., Feb 1969, at night, J.I. Townsend (ED)
- 1♂, " " " " " " " " " " " " J.I. Townsend (ED)
- 1♂, " " " " Feb 1969, general beating ~~(ED)~~ J.I. Townsend (ED)
- 1♀ NE " " " Feb 1969, litter, J. McBurney (ED)
- 3♂, 2♀ Puwai Bay, B.S. Capel., 24 Feb 1969, J. McBurney (ED)
- 1♂, 2♀ NE Big S. Capel., Feb 1969, on Poa foliosa, J. McBurney (ED)
- 1♀, Island E. of B.S. Cape 1. 28 Feb 1969, on Poa (ED)

18 8 9

AUCKLAND IS

- 1 ♀ French I., 2 Jan 1963, J.L. Gressitt, Hebe (ED)
- 2 ♂, Ewing I. 30 Dec 1962, P.M. Johns, Olearia (CM)
- 10 specs. " 15 Jan 1963 " " " " (CM)
- 1 ♂ Rose J. 11 Jan 1963 " Poa (CM)
- 4 specs. Ewing I., 14 Jan 1963 P.M. Johns, Olearia at night (CM)
- 1 spec Lindley Pt Auckland Is. 30 Dec 1962 under bark of Metrosideros P.M. Johns (CM)
- 1♂ 3♀ Ewing I., 8 Feb 1973 (in) dry dead branch Olearia lyalli (pupa & adult also in alcohol) C.J. Horning (ED)
- 2 ♀ " " 7 Feb 1973 (in) dead wet Olearia lyalli REARED general, C.J. Horning (ED)
- ✓ 1 ♀ Fairchild's Garden, Adams I. Feb 1966, on Hebe elliptica, G. Kuschel (ED)
- 1 ♀ " " " " emv 24 Jun 1966 REARED Hebe elliptica G. Kuschel (ED)
- 1 ♀ " " " " emv 5 Feb 1966 REARED " " " (ED)
- ✓ 1 ♂ " " " 20 Jan 1966, on Hebe elliptica P.M. Johns (CM) damaged.
- 1 ♀ Adams I., 27 Jan 1966, prepupal cell in Myrsine divaricata G. Kuschel REARED (ED)
- 1 ♀ Ewing I., 9 Jan 1973, J. Farrell, beating Olearia in forest (ED)
- 1 ♀ Fairchild's Garden, Adams I., 20 Jan 1966, G. Kuschel (ED)
- 1♂ Ewing I., 1-10m, sweeping Bulbinella/sedge J.L. Gressitt, 4 Jan 1963 (ED)
- 1♂ Auckland Is, 29 Jan 1966, on Neopanax simplex G. Kuschel (ED)
- 2♂ Rangi Cove, 7-12 Nov 1954, F.S. Gourlay (ED)
- 1♂ 1♀ Rangi Cove, Auckland I., In rotten wood, 1 Mar 1973, J.S. Dugdale (ED)
- 1 ♂, Sandy Bay, Enderby I., 17 Mar 1954, R.K. Dell (NM)

Additional Records

- narrow. 1♂ Station Pt, tussock at night, 2 Jan 1967, PM Johns (NZAC)
- " 1♀ near Station Pt, Olearia lyalli at night, 2 Feb 1967, PM Johns (NZAC)
- " 1♀ Biological Stn, 14 Mar 1972, in hut, DS Horning (NZAC)
- " 1♂ " " 13 Jan 1971, Olearia lyalli litter DS Horning (NZAC)
- " 1♀ S. Arm of Boat Harbour, 11 Mar 1971, litter C.J. Horning (NZAC)
- " 1♂ Bio Stn, 18 Jan 1971, ex fungus on Senecio stewartiae, DS Horning (NZAC)
- " 1♀ " " 9 Feb 1971, litter, foliage Asplenium obtusum DS Horning (NZAC)
- " 1♀ West coast, 11 Mar 1971, litter, DS Horning (NZAC)
- Auckland Is. 1♂, no date no collector, label is old + has Nov sp, inculae Auckland. (BmNH)

Cacephatue aucklandicus (Brookes)

Total examined ^{236 244} 234 (CM, ED, NM)

DISTRIBUTION: Stewart I, ^{away} (Stewart I., Big South Cape I., Big Stage I., Snares I., and Auckland Is. (Adams I., Auckland I., Enderby I., Ewing I., French I., Rose I.)) ~~from sea level to about~~ m

~~close to sea level~~ from sea level to about ⁵⁰ m. Northwest coast Rakenua V. Stew. I. southernmost coast Adams I., Auckland I.

SEASONAL DISTRIBUTION. November - March, May - August.

PLANT ASSOCIATIONS Reared from Carex trifida (Cyperaceae).

Coprosma lucida (Rubiaceae); ^{Dacrydium cupressinum} ~~Mimus~~ (Podocarpaceae)

Hebe elliptica (Scrophulariaceae); Myrsine divaricata (Myrsinaceae);
- dead branch Olearia lyallii (Compositae)

Has been ~~beaten~~ ~~found~~ collected under bark of dead Hebe elliptica (Scrophulariaceae)

Hebe elliptica, Senecio steuartiae (Compositae), Metrosideros spp. (Myrtaceae)

from foliage of various ~~other~~ native shrubs, and extracted from leaf litter. Gut contents of dissected specimens contained fragments of fungal fructifications, ascospores of Xylariaceae, plant tissue, some possibly of lichens,

Cacephatus huttoni

SPECS EXAM

(1)

Cacephatus huttoni (~~P. Sharp~~, 1876)

- AK 1♂, 1♀, Lynfield, 20 Dec 1975, cut Eucalyptus G. Kuschel (ED)
 - " 2♂ " " " G. Kuschel (ED)
 - " 1♂ " " cut Pseudopanax G. Kuschel (ED)
 - " 8♂, 4♀ " 30 Nov 1975, G. Kuschel (ED)
 - " 2♀ " 27 Oct 1975, on Coprosma robusta G. Kuschel (ED)
 - " 2♂ " 5 Nov 1975 " cut Melicthus " " (ED)
 - " 6♂ " 9 Nov 1975 G. Kuschel (ED)
 - " 1♂ " 1 Feb 1975 " " (ED)
 - 1♂ " 30 Dec 1975, on Coprosma G. Kuschel (ED)
 - 2♂ " 13 Dec 1975, G. Kuschel (ED)
 - 1♀ " " " " on cut Rubus cissoides G. Kuschel (ED)
 - 1♂ " 2 Jan 1977, on Mariscus & Phormium G. Kuschel (ED)
 - 1♂, 3♀ " 31 Oct 1975, on Coprosma, G. Kuschel (ED)
 - 3♂, 2♀ " 4 Nov 1975 " " " " (ED)
 - 3♂, 1♀ " 27 Dec 1975, cut Rubus cissoides G. Kuschel (ED)
 - 3♂ " 19 Dec 1976, G. Kuschel (ED)
 - 1♂ " 20 Nov 1975, on Parsonsia, G. Kuschel (ED)
 - 1♀ " " " " on Rubus cissoides, G. Kuschel (ED)
 - 1♂, 1♀ " Sep 1974, G. Kuschel (ED)
 - 1♂ " 2 Nov 1974, beating at night, G. Kuschel (ED)
 - 1♂ " 7 Dec 1975, at base of tussock, G. Kuschel (ED)
 - 1♂ " 25 Jan 1975, on Hedycarya G. Kuschel (ED)
 - 1♂ " 14 Feb 1976, G. Kuschel (ED)
 - 1♀ " 6 Mar 1977, rotten wood G. Kuschel (ED)
 - 1♀ " 14 Nov 1975, on Eucalyptus " " (ED)
 - 1♂ " 8 Nov 1975, cut Parsonsia " " (ED)
 - 1♀ " 23 Feb 1977, swamp edge " " (ED)
 - 1♂ " 25 Mar 1979, on dead Karaka " " (ED)
 - 1♂ " 31 Oct 1975, on Coprosma " " (ED)
 - 1♂ " 25 Jan 1975, on Hedycarya " " (ED)
 - 1♀ " 7 Dec 1974, G. Kuschel (ED)
 - 2♂ " 2 Nov 1974, on Macropiper, G. Kuschel (ED)
 - 1♂ " 27 Jan 1979, G. Kuschel (ED)
 - 1♀ " em 24 Dec 1976 [REARED] Freycinetia, G. Kuschel (ED)
 - 1♀ Wattle Bay, Lynfield, 21 Jan 1978, in bach, B.A. Holloway (ED)
 - AK 1♀ Green Bay, 23 Nov 1976, on cliffs, G. Hall (ED)
 - " 1♂, Titirangi 24 Jan 1979, to light, P.A. Maddison (ED)
 - AK 1♂, 2♀ Huia, 1 Nov 1971, in dead Macropiper excelsa [REARED], B.M. May, (ED)
 - 3♀ " 13 Dec 1973, on Tetrapathaea tetrandra, B. May (ED)
 - 5♂ " 23 Nov 1973, B.M. May (ED)
 - 1♂ " 28 " " " on Schefflera digitata (ED)
 - 1♂, 2♀ " 17 Jan 1974 " " " " (ED)
 - 1♂, 1♀ " 31 Jan 1974 " " beak Tetrapathaea tetr(♂) & Carmichaelia sp(♀) (ED)
- 89 58♂ 33♀

Cacephatus huttoni (Sharp, 1876)

- CL ✓ 10⁷ E. of Coromandel, 350^m, 23 Mar 1977, sweeping bush, LL Deitz (ED)
- WN ✓ 20 Makarav, 1962, D.N. Edwards (ED)
- ND ✓ 20², 20² Whangarei Hds, 7 Dec 1961, G. Kuschel (ED)
- AK ✓ 10³, 20² Waiwera, 7 Dec 1961 (ED)
- AK ✓ 10⁷ Humua Ra. 2 Dec 1961 (ED)
- AK 30³, 20² Grafton Gully, 20 Jan 1951, D. Spiller (ED)
- CL ✓ 10³, 20² Mayor I. Nov 1959, Pohutukawa Forest, J.C. Watt. (ED)
- CL ✓ 10⁷ " Opo Bay Nov 1959, J.C. Watt (ED)
- ND ✓ 10³ Sth Pandora, Te Pahi Coastal Park, 7 Feb 1974, A.K. Walker (ED)
- ND ✓ 10⁷, 10⁹ Spirits Bay, Nov 1967, J. I. Townsend (ED)
- NN ✓ 10⁷ Nelson City, 24 Nov 1967, B.A. Holloway (ED)
- WI ✓ 10 Ashurst 17 Jan 1957, D.H. Todd (ED)
- ND ✓ 10⁷ Coppermine I, Chickents, 28-31 Oct 1968, J.C. Watt (ED) on Dysoxylum spectabile
- WN ✓ 10⁷ Linden, Feb 1973, on Rhipogonum R.C. Crawford (ED)
- WN ✓ 10⁷ Rukhine St, Wgtn City 3 Mar 1960, D.N. Edwards (ED) (damaged)
- WN ✓ 10⁷ Makarata, 7 Jan 1961, D.N. Edwards (ED)
- " ✓ 10⁷ " 18 Feb 1961 (ED)
- " ✓ 10⁷ " 4 Oct 1962 (ED)
- " ✓ 30⁷ Linden 7 Feb 1973, on Rhipogonum R.C. Crawford (ED) [Illustr. by D. Helmore 4-7-79]
- WN ✓ 10⁷ Makara, 30 Jan 1961, D.N. Edwards (ED)
- AK ✓ 10³, 20² Green Bay, Maukau Hbr, 2 Jan 1915, A.E. Brookes (ED)
- AK ✓ 10⁷ Tihirangi, 24 Nov 1916, A.E. Brookes (ED)
- AK ✓ 20⁷ Swanson, Kaipara line, 24 Nov 1916, A.E. Brookes (ED)
- WN ✓ 40⁷ Ballance Bridge Reserve, 19 Dec 1948 (ED)
- BP ✓ 10⁷ Okauia 10 Dec 1946 (ED)
- BP ✓ 10⁷ " 27 Jan 1922 (ED)
- ND ✓ 10⁷ Manaia Taurikura, Whangarei Hds, 6 Dec 1958, K.A.J. Wise (ED)
- AK ✓ 10⁷ Swanson, 18 Dec 1955, J.C. Watt on Geniosloma (ED) [damaged]
- ND ✓ 10⁷ Tawhiti Rahi, Poor Knights 1 Jan 1956, J.C. Watt, on Pittosporum
- 20² no details (#974 B H/W) (ED)
- 10³, 10⁹ Manaka [?], 2 Jan 1914, Brown Collⁿ 974 (ED)
- AK ✓ 10⁷ Karekare Feb 1916, T. Brown Coll (ED)
- ND ✓ 10⁷ Purewa Bush ^(near Whangarei), 24 Jan 1943, D. McKenzie (ED)
- 3P ✓ 10⁷, 10⁹ (189) Mokoia I, L. Rotorua, 19 Nov 1961, L.W. Newman REARED stems of Macropiper excelsum (FRI)
- ✓ 10⁷, 10⁹ (191) " I, " " " " REARED " " (FRI)
- ✓ 10⁷, 10⁹ (190) " " " " " " REARED " " (FRI)
- ✓ 10⁷, 10⁹ (184) " " " " " " REARED " " (FRI)
- ✓ 10⁷ (194) Blue Lake, Rotorua, 25 Sep 1958 R.H. Milligan (FRI)
- NN ✓ 10⁷ (193) Waikame Beach 2 Jan 1959, L.W. Newman (FRI)
- P ✓ 10⁷, 10⁹ (195) Mokoia I, L. Rotorua, 19 Nov 1961, L.W. Newman REARED stems of Macropiper excelsum (FRI)
- ✓ 10⁷ spec (192) Blue Lake, Rotorua 25 Sep 1958, R.H. Milligan (FRI) returned Sep 1969
- ✓ 10⁷ spec (196) Mokoia I, L. Rotorua 19 Nov 1961, L.W. Newman REARED Macr. excelsum stems (FRI) returned Sep 1969

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Cacephalus huttoni (Sharp 1876)

- BP 1♀ ~~(FRI 41)~~ Mamaku S.F. 22 Jan 1953, R. Zondag (FRI)
 BP 1♀ (FRI 42) Mangowera Gorge 22 Jan 1949, G.B. Rawlings (FRI)
 TOV 2♀ (FRI 227) S.F. 90, em 14 Nov 1958, rotten *Nothofagus fusca* REARED (FRI)
 CL 1♀, Tairua, Brown, Wakefield Collⁿ (Cm)
 WN 1♂ Titahi Bay, 29 Nov 1908 (NM)
 WN 1♂ " 3 Jan 1909 (NM)
 AK 1♂ Cabbage Tree Swamp, 4 Jan 1927, E. Fairburn (NM)
 CL 1♂ Little Barrier I., 29 Dec 1931-10 Jan 1932 A.E. Brookes (NM)
 ND 1♂ Bush near Mt Te Pahi summit 1019', 1 Dec 1960, B.A. Holloway (NM)
 - 1♀ no data, [labelled *Anthr'bus huttoni* D.S. - Sharp's H/W] (CM)
 WN 2♂ Waiopetu Reserve, Levin, 31 Dec 1962, R.G. Orsash (NM)
 WN 1♂ Titahi Bay, 20 Dec 1908, A.C. O'Connor (NM)
 ✓ 1♀ " " 23 Jan 1910, . . . (NM)
 1♂, 2♀ " " 3 Jan 1909 . . . (NM)
 2♀ " " 1 Jan 1909 . . . (NM)
 1 4♂ " " Dec 1908 . . . (NM)
 7♀ no data (NM)
 3♂ " " (NM)
 1♀ no data (ZDCU)
 2♂ 1♀ (661 a^o b^o c^o) Wiltons Bush, 11 Jan 1938, G.V. Hudson (NM)
 ✓ 1♂ (661 d) Gollans Valley 24 Dec 1938 . . . (NM)
 ✓ 1♀ (661 s) Wiltons Bush 27 Jan 1936 . . . (NM)
 ✓ 1♂ (661 t) Wainuiomata Dec 1926 . . . (NM)
 ✓ 1♀ (661 u) Gollans Valley 7 Jan 1943 . . . (NM)
 ✓ ✓ 1♀ (661 v) Pakuratahi 25 Dec 1887 . . . (NM)
 SD 4♀ (661 w) Picton Dec 1917 . . . (NM)
 WN 4♀ Wellington G.V. Hudson (NM)
 CL 4♀ Tairua Brown (BM)
 - 1♀ no data (BM)
 AK 1♂ Auckland (BM)
 ND 4♀ Parua (BM) [Whangarei]
 AK 4♂ Auckland 30 Dec 1908 (BM)
 WD 1♂ Waikato (BM)
 AK 1♀ Tihirangi (BM)
 ND 2♀ Mt Mandia, Whangarei Heads, 50m, 21 Jan 1981, B.A. Holloway, beating shrubs (NZAC)
 AK 1♂, 1♀ Lynfield, Waikato Bay, 16 Nov 1980, G. Kuschel, on *Parsonsia* (NZAC)
 AK ✓ 1♀ " " 6 Jan 1980, B.A. Holloway, on window (NZAC)
 GB ✓ 1♀ Waihirare Domain, Gisborne, em 23 Dec 1976, N. Hatipa, REARED *Macropiper excelsa* (NZAC)
 - 1♂ 2♀ no data (OMNZ)
 WN ✓ 2♂, 3♀ Wellington (Korokoro, Khandallah, Wiltons, Gollans) 1939-41, G.V. Hudson (BMNH)
 BP ✓ 1♀ Okauia 23 Jan 24, C.E. Clarke Bn (NH)
 - ✓ 2♀ New Zealand, H. Swale, pre 1913 (BMNH).

Cacephalus huttoni

Total examined ~~218~~ ^{120♂, 99♀, 2 unsexed} ~~272~~ (BM, CM, ED, FRI, NM, ZDCU)

DISTRIBUTION: North Island (Northland including Coppermine I and Poor Knights I, Auckland, Coromandel including Hulle Barrier I & Mayor I, Waikato, Bay of Plenty, Taupo, Wanganui, Wellington) and South Island (~~Hokitika~~, ~~and~~ Marlborough Sounds, Nelson) from sea level to 350 m. Northernmost record: Spirits Bay, ND; southernmost record Nelson City, NN.

SEASONAL DISTRIBUTION: October - March.

PLANT ASSOCIATIONS: Has been reared from dead stems

Freyinetia ^{banksii} (Pandanaeae); dead stems Macropiper
excelsu ^{um} (Piperaceae); rotten Coprosma ~~robusta~~ robusta (Rubiaceae); rotten Nothofagus fusca (Fagaceae)

Has been beaten from a wide range of native trees and shrubs.

Cacophatus incertus

SPECS EXAM (4)

Cacophatus incertus (White 1846)

- ✓ 2♂, 7♀ No data (NM)
- WN 1♂, 1♀ (159 a, b) Karori 12 Apr 1884, under bark newly fallen matai G. U. Hudson (NM)
- WN 1♂ (159 g) Wellington, G. U. Hudson (ZD, U)
- WN 2♀ Wakefield Coll? Wgln (Cm)
- 8♀, 3♂ no other data (Cm)
- BR 4♂, 2♀ Ahaura, 25 Jan 1935 E.S. Gourlay (ED)
- IO 1♂ ✓ Oio, 20 Jan 1936, F. Gardner (ED)
- RI 1♂ ✓ Mt Wharite Ridge, 14 Feb 1966, A.W. Spain, ex light-trap (ED)
- TO/RI 1♂, 3♀ Ohakune, 1 Jan 1917, A.E. Brookes (ED)
- WN 1♂ ✓ Akatarawa, 7 Feb 1962, D.N. Edwards (ED)
- TO/RI 1♂, 1♀ Ohakune 1 Jan 1916 coll? (ED)
- ND 1♂ ✓ Paikia, Bay of Islands, 28 Dec 1950, K.P. Lamb, ex house (ED)
- TO/RI 1♂ - Ohakune, Mar 1921, T. Harris (ED) - ident as aspersus by Marshall
- CL 1♂ ✓ HOLOTYPE of tessellatus, Mercury Bay, Tairānea, ex Brown Collⁿ (ED)
- 6♂ no data (ED)
- JN ✓ 3♂, 8♀ Aniseed Valley, 6 Jan 1964, E.S. Gourlay (ED)
- JN 4♂, 3♀ Nelson 17 Dec 1950 E.S. Gourlay (ED)
- JN 14♂, 9♀ Nelson Nov 1953 E.S. Gourlay (ED)
- SD 1♂ ✓ Rongā Valley, 7 Jul 1957 (ED)
- SD 6♂, 1♀ Ship Cove, J. McBurney, 27-30 Nov 1972, (ED)
- SD 1♂ ✓ Mt Robinson 609m, 12 Mar 1970, J. McBurney, under Dacrydium bark (ED)
- NN 1♂, 2♀ Moutere, 10 Oct 1960 E.S. Gourlay (ED)
- NN 1♂, 1♀ Nelson, 12 Dec 1950 (ED)
- BR 2♂, 4♀ Walleroo Ridge, Mawhera S.F. Cpt ²¹³ ~~213~~ 8 Mar 1972 J.S. Dugdale (ED)
- BR 1♂ ✓ Greymouth 28 Jan 1935 E.S. Gourlay (ED)
- ND 1♂, 1♀ Pukākura Reserve, Westland, 17-18 Jan 1954, E.S. Gourlay (ED)
- NN 1♂ ✓ Riwaka V, 28-31 Jan 1949, A.E. Brookes (ED)
- MC 1♂ ✓ Dallington, ChCh, 12 Jan 1924, E.S. Gourlay (ED)
- 1♂ Mt Hope, 7 Mar 1915, Brown (ED)
- L/ED 1♂ ✓ Hollyford V., 19 Mar 1914, T. Hall, (ED)
- JN 2♂, 5♀ To Kere V., Beinhams 10-18 Feb 1949 (ED)
- TO/RI 1♀ ✓ Ohakune, Nov 1921, T.R. Harris (ED)
- AK 1♀ ✓ Titirangi, 30 Jan 1918, A.E. Brookes (ED)
- TK 1♀ ✓ Howick, no date, ex Brown Collⁿ 2226 var (ED)
- AK 1♀ ✓ " " " " 967 (ED)
- TK 1♀ ✓ Mt Albert, 12 Mar 1915, A.E. Brookes
- IO 1♀ ✓ Horopito 18 Mar 1917, J. Ford (ED)
- TK 1♀ ✓ Waitakere Hills, 20 Feb 1965, J.S. Armstrong (ED)
- AK 1♀ ✓ Titirangi, Feb 1947, M.W. Carter (ED)
- RI 1♀ ✓ Wharite Ridge, S. Ruahines, 10 Mar 1957, coll? (ED)
- TK 2♀ ✓ Huiā, 8 Jan 1967, B.M. May, in house (ED)
- JN 2♀ ✓ Akatarawa, 7 Feb 1962, D.N. Edwards (ED)
- D 4♀ ✓ Ship Cove, 27-30 Jan 1972, G. Kuschel, on Podocarpus dacrydioides (ED)

Hol. tessell.

Caecephatus incertus (White 184 B)

BP	10 ⁷ (88)	Whirinaki River, Rotoma Dist, 10 Jul 1959, N.O. Secombe	REARED	<i>Chamaecyparis lawsoniana</i>	6 Oct 1959	(FRI)
	10 ⁹ (90)				30 Oct 59	
	10 ⁷ (92)				2 Oct 59	
	20 ⁷ (93, 94)				22 Sep 59	
	10 ⁷ (95)				22 Sep 59	
	10 ⁷ (96)				8 Oct 59	
	10 ⁷ (97)				16 Oct 59	
	10 ⁹ (99)				11 Nov 59	
	10 ⁷ (100)				29 Oct 59	
	10 ⁷ (101)				16 Oct 59	
	10 ⁹ (102)				2 Nov 59	
	10 ⁷ (103)				29 Oct 59	
	10 ⁷ (112)				23 Oct 59	
✓	10 ⁷ (105)				23 Oct 59	
	10 ⁷ (106)				2 Nov 59	
	10 ⁷ (107)				12 Oct 59	
	10 ⁹ (110)				27 Oct 59	
	10 ⁷ (111)				11 Nov 59	
	10 ⁹ (113)				2 Nov 59	
✓	10 ⁹ (115)				2 Nov 59	
TO	10 ⁹ (108)	Taurawa S.F., National Park, MA Stoodley	REARED	<i>Chamaecyp. lawsoniana</i>	27/11/58	(FRI)
"	10 ⁷ (98)	"	REARED	"	25/11/58	(FRI)
TO	10 ⁷ (281)	MT Pureora 6 Feb 1963, J.S. Dugdale				(FRI)
"	10 ⁹ (282)	"				(FRI)
ND	10 ⁹ (89)	Honeyman V, Oruru, 1 Feb 1960, R.H. Milligan				(FRI)
TO	10 ⁷ (117)	Pureora S.F., 26 Sep 1958, R. Zondag	REARED	<i>Dacrydium cupressinum</i>	14/11/58	(FRI)
TK	10 ⁹ (280)	Te Werau S.F., Stratford Dist. 11 May 1961, MA Stoodley	REARED	<i>Podocarpus dacrydoides</i>	14/9/61	(FRI)
TK	10 ⁹ (114)	"	REARED	"	28/11/61	(FRI)
TK	10 ⁹ (286)	"	REARED	"	Dec 1961	(FRI)
3P	10 ⁷ (FRI 29)	Whirinaki S.F., E Kaingaroa			15 Dec 1959	(FRI)
HB	10 ⁹ (91)	Esk S.F. 7 Jul 1959, MA Stoodley	REARED	<i>Pod. dacrydoides</i>	15 Feb 61	
JD	Spec. (FRI 25)	Waipona Forest 28 Nov 1949, on Rang				(FRI)
SD	10 ⁷ (FRI 154)	Lookout, Rai Valley, Nelson, Oct 1958				(FRI)
-	10 ⁷ (FRI 28)	no details				(FRI)
BP	10 ⁹ (FRI 24)	Mingimiri S.F., near Te Whaiti, BP, 15 Feb 1958				(FRI)
ND	10 ⁷ (FRI 146)	Pipiwai, N. Auckland, 10 Apr 1962				(FRI)
AK	10 ⁹ (FRI 27)	Waitakere, 8 Feb 1949, N.M.W.				(FRI)
IK	3 5 ⁷	Brooklands 12 Jan 1952 (N.M.)				
AK	10 ⁷	Waiheke I., 12 Dec 1949, G. Chamberlain				(N.M.)
HB	10 ⁷	Wallingford 15 Feb 1948, G.W. Ramsay				(N.M.)
EL	30 ⁷ (159 r, s, v)	Invercargill, under kahikatea bark, 19 Jan 1927				G.V. Hudson (N.M.)
IN	10 ⁹	Kaitoke, 27 Apr 1909, H.W.S.				(N.M.)
YTO	10 ⁷	Ohakune 21 Jan 1927, A. Caske, from leaf mould				(N.M.)

Cacephatus incertus (White 1846)

- NN ✓ 1 ♀, Nelson 20 Nov 1952, E.S. Gourlay, ex Pinus radiata (ED)
- SL ✓ 1 ♀, Bluff Pt, 26 Jan 1976, L.L. Deitz, sweeping (ED)
- BR ✓ 1 ♀, Mawhera S.F, Cpr 213, 27 Jan 1972, J.S. Dugdale, under Dacryd. cupressinum (ED)
- SL ✓ 1 ♀, West Plains, no date, (ED)
- NN ✓ 4 ♀, Hope 21 Dec 1915, Brown (ED)
- ~ 6 ♀, no data (ED)
- WN ✓ 1 ♂, HOLOTYPE of incertus, Port Nicholson (BM)
- NN ✓ 1 ♀, Lectotype vates var asperus Brown Mt Arthur (BMNH)
- AK ✓ 1 ♂, HOLOTYPE ~~vates~~ brunneus Howick (BMNH)
- WO ✓ 1 ♂, HOLOTYPE flavipilus Waikato (BMNH)
- AK 3 ♂ 4 ♀, Flat Bush, Murphy's Bush, em 31 Jan 1978, REARED ^{dead branches fallen} Podocarpus sp., J.C. Watt (NZAC)
- BR ✓ 1 ♂, Ahaura, 25 Jan 1935, E.S. Gourlay (NZAC)

Specs Exam: Hds of incertus ^{vates var} asperus brunneus, flavipilus, vates
 99 ♂, 103 ♀, 1 unsexed.
 104 ♂ 105 ♀

Additional Specs Exam.

- MC ✓ 1 ♂ 1 ♀, Kaikoura V, Banks Peninsula, 18 Dec 1980, (PM Johns Collⁿ)
- " 1 ♂ " " " 23 Dec 1980 (" " ")
- " 1 ♂ Montgomery's Sc. Res. " " 10 Jan 1981 (" " ")
- " 1 ♂ 1 ♀ Deans Bush ChCh, 21, 22 Dec 1949, J.S. Dugdale (PMJ Collⁿ)
- MB ✓ 1 ♂ 1 ♀ Onamelutu Domain, Blenheim, 8 Jan 1974, PM Johns ^{under bank of} Podocarpus sp (PMJ Collⁿ)
- JN 6 ♂ 3 ♀ Wellington (Korokoro, Karori etc) 1940-41, G.U. Hudson (BMNH)
- 4 ♂ 3 ♀ New Zealand (Sharp Collⁿ) (BMNH)
- R ✓ 1 ♂ Greyhound (Helms) (BMNH)
- 2 ♂ NZ (BMNH)
- 1 spec NZ Pascoe Collⁿ (BMNH)
- 2 specs " H Swale, pre 1913 (BMNH)
- JD 2 specs Mangamuka Mt? 9 Jan 1927, CE Clarke (BMNH)
- SL 3 specs Colac Bay Southland 19 Jan 1944, CE Clarke (BMNH)
- JN 1 spec Karamea Feb 1938 CE Clarke (BMNH)
- 2 specs NZ H Swale (on card with Inornatus) (BMNH)

Cacephalus incertus (Wlirke 1846)

206

PMJC:

Total examined: ~~198~~ (BM, CM, FD, FRI, NM, ZDCU)

Waikato.

DISTRIBUTION: North I. (Northland, Auckland, Coromandel, Bay of Plenty, Taupo, Taranaki, Hawkes Bay, Rangitikei, Wellington)

and South I. (Nelson, Marlborough Sounds, Buller, Westland, Mid Canterbury, Otago Lakes - Fiordland, Southland) from sea level to about 900m but mainly lowland.

Northernmost record: Horeywood Valley, Otago, ND; southernmost record: Bluff, SL.

SEASONAL DISTRIBUTION: September - May.PLANT ASSOCIATIONS: Reared from Chamaecyparis lawsoniana(Cupressaceae); Daenyaedium cupressinum + Podocarpusdacrydioides (Podocarpaceae). Has been beaten fromPinus radiata (Pinaceae), + ~~found~~^{collected} under bark of Podocarpusspicatus and P. dacrydioides. Gut contents of

dissected adults contained

Cacephatus inornatus SPECS EXAM. ①

Cacephatus inornatus (Sharp 1886)

- WN ✓ 2 ♀ (159 c, d) Karori, 12 Apr 1884, on the wing & under bank of fallen matai, G.V. Hudson (NM)
SL ✓ 2 ♂ (159 t, u) Invercargill, 19 Jan 1927, under Kahikatea bank G.V. Hudson (NM)
CL ✓ 1 ♂ Whangaparara, Gt. Barrier I., 17-29 Jan 1930, A.E. Brookes (NM)
ND ✓ 1 ♂ Whangarei, 4 Dec 1934, R.W.T. (NM)
WN ✓ 1 ♂ Silverstream 6 Feb 1916, A.C. O'Connor (NM)
TK ✓ 1 ♂ Brooklands, 1950, C.R. Foskett (NM)
WN ✓ 1 ♀ Karitoke, 23 Dec 1908, A.C. O'Connor (NM)
WN ✓ 2 ♀ Wiltons Bush, 23 Feb 1913 (NM)
NN ✓ 1 ♀ Aniseed Valley, 29 Dec 1935, E.S. Gourlay (NM)
WN ✓ 1 ♂ Wellington, G.V. Hudson (NM)
WN 3 ♂, 2 ♀ (12 ♀ a, c, d, e, f) Makara Bush, 5 Dec 1922, G.V. Hudson (NM)
— 5 ♂, 1 ♀ no data (NM)
MC ✓ 1 ♀ Prices Bush, 27 Dec 1948, S. Lindsay (CM)
VD ✓ 7 ♂, 5 ♀ Omahuta S.F., 4 Feb 1975 [EMERGING] sound dead kauri stump, G. Kuschel (ED)
ND ✓ 2 ♂, 1 ♀ Kaitiaki, 29 Dec 1962, E.S. Gourlay (ED)
TO ✓ 3 ♂ Taupo 20 Jan 1929, J.S. Amshberg (ED)
ND ✓ 1 ♂, 2 ♀ Mangamuka Gorge, 9 Jan 1927, A. Richardson (ED)
O/R ✓ 1 ♂, 1 ♀ Ohakune 1 Jan 1917, A.E. Brookes (ED)
WN ✓ 1 ♂ Akatarawa 7 Feb 1962, D.N. Edwards (ED)
AK ✓ 1 ♂ T. Hirangi, 11 Feb 1953, C.R. Thomas (ED) ex light trap
O/R ✓ 1 ♂ Ohakune, 2226, (ED)
ND ✓ 1 ♂ Whangarei, Kara Forest, 8 Jun 1929, E. Fairburn (ED)
RI ✓ 1 ♂ Mt Wharite Ridge, S. Ruahines, 14 Feb 1966, ex light trap, A.V. Spain (ED)
O/R ✓ 1 ♂ Ohakune, Nov 1921, T. Harris (ED)
O/R ✓ 1 ♂, 1 ♀ Ohakune 2 Jan 1917 (ED)
LO ✓ 1 ♂ Pokaka 13 Feb 1922, D. Miller (ED)
TO ✓ spec. (damaged) Pokaho (ED)
— 2 ♂, 1 ♀ var 2212 (ED)
— L ♀ 2212 T. Brown Dup Coll (ED)
SD 2 ♀ ✓ Ships Cove, 27-30 Jan 1972, Podocarpus dacrydioides G. Kuschel (ED)
SD 2 ♂ ✓ J. McBurney (ED)
AK 1 ♂ ✓ Waitabees, 12 Feb 1950, M. Knight, ex house (ED)
ED ✓ 1 ♂ Preservation Inlet, about 1904, Mr Hansen (ED)
JN ✓ 1 ♂ Aoreve V, Bainham, 10-18 Feb 1949, coll? (ED)
JN 1 ♂ ✓ Mt Arthur, no date, ex Brown Coll (ED)
NN 1 ♂ ✓ Karamea Terrace 14 Nov 1957, J.I. Townsend (ED)
JN 4 ♂ ✓ Wairoa Gorge, 18 Feb 1926, R.J. Tillyard
VN 1 ♂ ✓ [ME] Arthur var 967 (ED)
1/2 ♀, 1 ♂ ✓ Hollyford V. 19 Feb 1914, T. Hall (ED)
NB 2 ♀ ✓ Pelorus Bridge, 16 Jan 1949, A.E. Brookes (ED)
JN 1 ♀ ✓ Takaka Hill 26 Feb 1949, A.E. Brookes (ED)
JN 1 ♀ ✓ Aniseed V., 29 Dec 1953, E.S. Gourlay (ED)
JN 1 ♀ ✓ Dun Mt, 2000', 25 Jan 1931, E.S. Gourlay (ED)

ST 53 ♂ 30 ♀ 1 spec.

Cacephatus inornatus (Sharp 1886)

- SD ✓ 2♂, 3♀ Mt Robinson, 609m, 12 Mar 1970, J.M. Burney, under Dacrydium bark (ED)
 BR ✓ 1♀ Mawhera SF, Cpr 213, 27 Jan 1972, J.S. Dugdale under Dacryd. cupressinum (ED)
 BP ✓ 1♂ Waimana Valley 20 Feb 1927 (ED)
 3R/NN ✓ 1♂ 3 Channel Flat, Bulker River, 20 Jan 1935, E.S. Gourlay (ED)
 WN ✓ 1♂ Wellington, G.V. Hudson (ZDCU) (159 p.)
 - ✓ 1♂ no locality, 697, Anthur. vates (ZDCU)
 WD ✓ 1♂ (FRI 201) Hochstetter, 25 Jan 1955, A.M. Stuart (FRI)
 TO ✓ 1♀ (128) Pureora S.F. 26 Sep 1958 [REARED] Dacrydium cupressinum (FRI)
 1♀ (118) " " " " " (FRI)
 1♂ (126) " " " " " (FRI)
 1♀ (120) " " " " " (FRI)
 1♀ (125) " " " " " (FRI)
 1 spec (121) " " " " " (FRI)
 4 spec (116) " " " " " (FRI)
 2♂ (117) " " " " " (FRI)
 1♀ (123) " " " " " (FRI)
 1♀ (124) " " " " " (FRI)
 1♂ (127) " " " " " (FRI)
 ✓ 1♂ (122) " " " " " (FRI)
 CL ✓ 1♀ (FRI 129) Kauaeranga S.F. 19 Jan 1960 R. Zondag/J.I. Townsend (FRI)
 SD ✓ 1♀ (125) Kai Valley, Nelson Dec 1958 (FRI)
 TO ✓ 1♂ (281) Mt Pureora 6 Feb 1963, J.S. Dugdale (FRI)
 TO ✓ 1♂ (282) " " " " (FRI)
 TO ✓ 1♂ (129) Pureora S.F. 26 Sep 1958 [REARED] Dacrydium cupressinum (FRI)
 NN ✓ 2♀ Aniseed V, 6 Jan 1964, E.S. Gourlay (ED)
 O/R/T 1♀ Ohakune, 3 Apr 1924, Harris (ED)
 AK ✓ 1♂ HOLOTYPE curvatus Brown, Horwicks (Bm)
 TK ✓ 1 spec. Midhurst, as concolor (BHW) (Bm)
 3P ✓ 1♂ Tarukenga, Rotorua, as inornatus (BHW) (Bm)
 O/R/T spec. Ohakune, 1-1-1917, as inornatus (BHW) (Bm)
 KA ✓ 1 spec. Wairiri, Kaikoura as inornatus (Bm)
 MC 1♂, 1♀ Deans Bush 8 Jan 1925, A. Tonnoir (cm)
~~WN 2♀ Bulker [Fried] [Fried] 3 Jan 1935, C.L. Webb (cm)~~
 AK ✓ 1♀ Huia, in house, 8 Jan 1967, B.M. May (ED)
 WD ✓ 1♂ lectotype inornatus Greymouth (BMNH) lectotype label affix April 1980, BAIT.
 WD ✓ 4♂, 2♀ Paralectotypes inornatus Greymouth + Keumana (BMNH) labels aff. Apr. 1980, BAIT.
 SD ✓ 1♀ HOLOTYPE concolor Picton, Helms (BMNH) examined Apr. 1980
 D+WD 1♂, 1♀ Paralectotypes inornatus Greymouth + Picton BMNH Labels aff May 1980 BAIT.
 AK ✓ 1♂ HOLOTYPE curvatus Horwicks, Hol. label aff. Sep 66, BAIT (BMNH)
 ND 3♂, 9♀ Omahuta S.F., em 31 Dec 1976-19 Jan 1977 [REARED] ^{dead on top wood} Agathis australis W76/16 G. Kuschel (NZ AC)
 MC 1♂ Deans Bush ChCh, 21 Dec 1949, J.S. Dugdale, (P.M. Johns Coll.)
 Specs: 1 ♀ types + 7 ♂ 590 ♀ unsexed.
 - 2 specs, no data (OMNHZ)

Cacephatus Inornatus (Sharp 1886)

144

Total examined: ~~132~~ (Bm, cm, ED, FRI, Nm)

incl. Gt Barrier

DISTRIBUTION: North I. (ND, AK, CL, ~~TO~~, TK, Rangitikei, WN) and

South I (NN, SD, MB, KA, BR, WD, MC, FD, SL) from sea level ^{Mangamuka Gorge,} to about 900m, mainly lowland. Northernmost record: ~~Waikanae~~ ^{Haitika} ND,

southernmost record: Invercargill, SL.

SEASONAL RECORDS: September - April, June.

PLANT

dead
spruce wood

~~HDS~~ ASSOCIATIONS: Reared from sound dead stem of

Agathis australis (Araucariaceae); Dacrydium cupressinum

(Podocarpaceae). Has been beaten from Podocarpus

dacrydioides (Podocarpaceae), and collected under

bark of D. cupressinum and P. spicatus. Gut contents of dissected adults

contained

SPECS EXAMINED

VN 38[♂] 10[♀] Wellington (Willms, Gollans etc) 1940 G U Hudson (BMNH)

~~10 New Zealand, Sharp coll. (BMNH)~~

~~2 spec H Swale, pre 1915 (BMNH)~~

7 spec Pascoe Coll. (BMNH)

4 spec Mangamuka Gorge, Hokianga, Jan 1924, C E Clarke (BMNH)

VA 07 ✓ Clarence River (BMNH)

2207 ✓ Picton, Helms (Sharp coll.) BMNH

12 70[♂] 10[♀] New Zealand

2D 3 spec Colac Bay, Jan 1944, C E Clarke (BMNH)

2 spec New Zealand H. Swale (BMNH)

1C 1 spec Kaiapoi C M Wakefield, under bark (BMNH)

NO 1 spec Waipa R, Otorohanga, C E Clarke 1941, (BMNH)

VA 1 spec 40 mile Bush, Suter (BMNH)

near Pahiakua.

Cacephalus propinquus

SPECS EXAM. (1)

Cacephalus propinquus (Braun 1911)

All from Chatham Is.

- ✓ 2♀ Pitt I. 16-26 Jan 1944, E.S. Gourlay (~~BMNH~~) (1 in AMNZ, 1 in BMNH) -
- ✓ 1♂ 16♀ Limestone Quarry, Chatham I., 11 Feb 1967, G. Kuschel (ED) -
- ✓ 3♂ 3♀ " " " " " " litter (ED) -
- ✓ 1♂ " " " " " " on bush (ED) -
- ✓ 1♀ " " " " " " G.W. Ramsay (ED) -
- ✓ 1♀ " " " " " " A.K. Walker (ED) -
- ✓ 1♀ " " " " " " em 14 Nov 1967 REARED Macropiper excelsum stems (ED) W67/7
- ✓ 7♂ 3♀ Waitangi, Chatham I., 12 Feb 1967, at night in forest G. Kuschel (ED)
- ✓ 4♂ 7♀ " " " " 10 Feb 1967, at night (ED)
- ✓ 1♂ " " " " 17 Feb 1967, " " A.K. Walker (ED)
- ✓ 1♂ 1♀ " " " " 13 Feb 1967 " " G. Kuschel (ED)
- ✓ 1♂ " " " " 14 Feb 1967, 2 mile Bush, at night (ED)
- ✓ 1♂ " " " " 11 Feb 1967, Wharf Cliffs, G.W. Ramsay (ED)
- ✓ 3♂ 8♀ Kaingaroa " 28 Feb 1967, litter, A.K. Walker (ED)
- ✓ 2♂ 2♀ " " " " nikau " " (ED)
- ✓ 1♀ Awatokara " 450', 21 Feb 1967, beating ^{old branches of} G. Kuschel (ED)
- ✓ 4♀ Awatokara Tebleland, em 11 Dec 1967 REARED Myrsine chathamica W67/32 (ED)
- ✓ 2♀ " " " " em 26 Feb 1968 REARED " " (ED)
- ✓ 1♂ " " " " em 31 Oct 1967 REARED " " (ED)
- ✓ 1♂ " " " " em 6 Nov 1967 REARED " " (ED)
- ✓ 1♀ " " " " REARED no date " " (ED)
- ✓ 1♂ 1♀ Pt Munning, Kaingaroa 28 Feb 1967, litter, A.K. Walker, (ED)
- ✓ 1♀ Tuku, Chatham I., 22 Feb 1967, beating fern, G.W. Ramsay (ED)
- ✓ 1♀ Rotoparaoa Chatham I., 12 Feb 1967, G. Kuschel (ED)
- ✓ 5♂ 9♀ Pitt I., 16-26 Jan 1944, E.S. Gourlay (ED) -
- ✓ 1♂ 3♀ Chatham I. em 3 Jan 1968 REARED Myrsine chathamica G. Kuschel (ED)
- ✓ 1♂ " 3 Feb " REARED " " (ED)
- ✓ 1♂ South East I., em 23 Dec 1970, REARED " " J.I. Townsend (ED)
- ✓ 1♀ LECTOTYPE, Pitt I., T. Hall, Anthurus propinquus (B.H.W.) lectotype label affix B.H. June 1966 (ED)
- ✓ 1♂ no data, Brookes Collⁿ (ED)
- ✓ 1♂ " " (ED)
- 6 specs Pitt I. T. Hall (BM) Paralectotype labels affixed B.H., June 1966 -
- 1♀ SE End Pitt I., 1 Feb 1967, G. Kuschel, litter (ED) -

Total specimens examined ~~134~~ (AM, BM, ED)

DISTRIBUTION: Chatham Is (Chatham I., Pitt I., South East I.)

SEASONAL RECORDS: October - February.

PLANT ASSOCIATIONS: Reared from dead branches Myrsine chathamica (Myrsinaceae), stems of Macropiper excelsum (Piperaceae). Beaten from nikau + ferns; extracted from leaf litter. Rhopalostylis sapida (Palmae).

Cacephatus vates

Cacephatus vates (Sharp, 1876)

TK	1 ♂ (70)	Te Wera S.F., Stratford Dist, 30 Jul 1959, M.A. Stoodley	REARED	<i>Laurelia novaezealandiae</i>	em	30/10/59	(FRI)
	1 ♂ (71)				em	29/10/59	(FRI)
	1 ♀ (72)				em	23/10/59	(FRI)
	1 ♂ (74)				em	10/Nov/59	(FRI)
	1 ♀ (76)				em	2/10/59	(FRI)
	1 ♂ (77)				em	30/10/59	(FRI)
	1 ♂ (78)				em	5/11/59	(FRI)
	1 spec (80)				em	5/11/59	(FRI)
	1 ♂ (81)				em	2/10/59	(FRI)
	1 ♀ (82)				em	2/11/59	(FRI)
SC	1 ♀ (85)	Hock Bush, Canterbury 13 Sep 1962, R.M.J. McKenzie	REARED	<i>Olearia</i> sp	em	7/11/62	(FRI)
"	2 ♀ (84)				em	17/10/62	(FRI)
"	1 ♂ (73)				em	23/10/62	(FRI)
"	2 ♀ (79)				em	17/10/62	(FRI)
WI	1 ♂ (285)	Ashurst, M.A. Stoodley 18 Sep 1963	REARED	<i>Myoporum laetum</i>	em	29/10/63	(FRI)
WI	1 ♀ (FRI 26)	Flockhouse S.F., near Bulls 26 Nov 1957, on <i>Pinus radiata</i>					(FRI)
BP	1 ♀ (FRI 23)	Mangowaka Gorge, 22 Jan 1949, G.B. Rawlings					(FRI)
WN	1 ♀ (69)	Waikanae Bch 2 Jan 1959 L.W. Newman					(FRI)
WN	1 ♂ (75)						(FRI)
WN	2 ♂ (159 A, E)	Karori, G.V. Hudson (NM)					
WN	2 ♂ (159, eh)	Karori, 12 Apr 1884 G.V. Hudson (Nm)					
WN	3 ♀ (159 z)	Willons Bush S. Karori, Jan & Feb 1936 G.V. Hudson (NM)					
WN	2 ♂ (1088 bc)	Haywards, 2 Jan 1925 G.V. Hudson (Nm)					
WN	2 ♂ (1088 de)	Campbells Hill, Karori 28 Dec 1924 G.V. Hudson (Nm)					
WN	6 ♀ (159 X)	Wellington 1912-1918, G.V. Hudson (NM)					
WN	3 ♂ (159 BCD)	Karori, Hudson Coll (Nm)					
WN	1 ♂	Lower Hutte Waiwhetu, 4 Dec 1961 R.K. Dell (Nm)					
TK	1 ♂	10 Mt Egmont, 11 Dec 1928, E. Plank (Nm)					
WN	1 ♂	Wellington, no date, G.V. Hudson (Nm)					
WN	2 ♀	Karori, 12 Feb 1916, A.C. O'Connor (Nm)					
WN	2 ♀	Wellington G.V. Hudson LEWIS COLL (Nm)					
WN	1 ♀	Titahi Bay, 23 Jan 1910, A.C. O'Connor (Nm)					
NN	1 ♂	Dun MT 8 Jan 1909 (Nm)					
SD	1 ♀	French Pass, 15 Dec 1908, A.C. O'Connor (Nm)					
NN	1 ♂	Dun MT, 12 Jan 1909 (Nm)					
-	1 ♂, 1 ♀	no data (Nm)					
WN	3 ♂ (159 km n)	Wellington, G.V. Hudson (ZDCU)					
WN	2 ♀	Butterfly [Creek] Track, 3 Jan 1938, C.L. Webb (Cm)					
MC	1 ♂	Prices Bush, 31 Jun 1943, S. Lindsay (Cm)					
WN	1 ♂	Wellington, WIRFIELD COLL (Cm)					
WD	1 ♀	Waiho Gorge, Westland 28 Dec 1943, S. Lindsay (Cm)					
BP	2 ♂	Okauia, Matamata, 13 Feb 1920 (ED)					
BP	2 ♂	Okauia, 10 Dec 1922 A.E. Brookes (ED)					

Cacephatus vates

- BP 1 ♂ 2 ♀ ✓ Okauia, Matamata, 5 Apr 1920, A.E. Brookes (ED)
 BP 2 ♂ 1 ♀ ✓ " " 12 Dec 1920 - - - (ED)
 KA 1 ♂ 1 ♀ Puhipuhi Reserve 3-6 Dec 1957, E.S. Gourlay (ED)
 WI 1 ♂ (badly damaged) Oroua R. Feilding, 12 Jan 1942, under poplar log (ED)
 WI 1 ♂ Grasslands, Manawatu, 9 Jan 1952, J.I. Townsend (ED)
 WN 1 ♂ Levin, Waiopetu Reserve, 31 Dec 1962, R.G. Ordis (ED)
 WN 1 ♂ Makara, 1962, D.N. Edwards (ED)
 WN 1 ♂ (Hudson Coll - 108 f) Wellington (NM)
 NN 1 ♂, 1 ♀ Whangamoa, dead trunk Hebe stricta 14 Mar 1966, J.I. Townsend ^{em} Jan 1967 [REARED] (ED)
 NN 1 ♂ " " " " " " 16 Dec 1966 " (ED)
 NN 1 ♂, 1 ♀ " " dead branches " " " " 30 Nov 1967 " W66/1 (ED)
 NN 2 ♂, 6 ♀ " " " " " " 31 Oct + 10 Nov 66 " W66/2 (ED)
 NN 1 ♂, 1 ♀ " " semi live H. stricta " " " " 3 Nov 1967 - " W66/3 (ED)
 " " " " " " stump + dead branches " " " " 21 Dec 1967 ^{em} " " " " " " [REARED] (ED)
 NN 2 ♂ ✓ Botanical Hill, dead branches Myoporum laetum 5 Oct 1967, J.I. Townsend 14 + 20 / 11 / 67 [REARED] (ED)
 NN 2 ♂, 1 ♀ Botanical Hill Nelson, 13 Dec 1952, E.S. Gourlay (ED)
 NN 1 ♂, 1 ♀ Nelson 13 Dec 1952, ⁵² E.S. Gourlay (ED)
 SD 1 ♂, 2 ♀ Stephens I., 14-28 Jan 1933, E.S. Gourlay (ED)
 SD 1 ♂, 1 ♀ D'Urville I., 3 Jan 1959 E.S. Gourlay (ED)
 NN 1 ♂ ✓ Brightwater, 24 Nov 1972, G. Kuschel (ED)
 MC 1 ♂ ✓ Dyers Pass, 1959, E.S. Gourlay (ED)
 NN 1 ♂, 1 ♀ Canaan, 22 Jan 1949, A.E. Brookes (ED)
 NN 1 ♂, 2 ♀ " 2000' 23 Jan 1944 - - - (ED)
 WO 1 ♂ ✓ Puke Atua Bush, 12 Jan 1944, E.S. Gourlay (ED)
 DN 1 ♂ ✓ Otago (var 967) Brown Collⁿ (ED)
 - 3 ♂ no data (ED)
 BP 1 ♀ ✓ Blue Lake, Rotorua, 23 Jan 1960, J.I. Townsend & R. Zondag (ED)
 BP 1 ♀ ✓ Kaimai R., Matamata, 25 Sep 1920 A.E. Brookes (ED)
 RL 1 ♀ ✓ Pohangina Valley, Tolara Reserve, 29 Dec 1975, J.C. Watt (ED)
 BP 1 ♀ ✓ Okauia Matamata 27 Dec 1947, A.E. Brookes (ED)
 WN 1 ♀ ✓ Makara, benten shrubs, 17 Dec 1962, D.N. Edwards (ED)
 WI 1 ♀ ✓ Feilding, Kitchener Park, 14 Dec 1956, R.M. Bull Collⁿ (ED)
 - 2 ♀ no data (967) (ED)
 VC 2 ♀ ✓ Kaituna, Centerbury 21 Jan 1958, M.J. Esson & E.S. Gourlay (ED)
 SD 1 ♀ ✓ Kapowai, D'Urville I., Feb 1971, G.W. Ramsay (ED)
 KA 1 ♀ ✓ Wairiri Seaward Kaikouras, about 1910, W.L. Wallace (ED)
 NN 2 ♀ ✓ Pigeon Saddle, Takaka, 1 Feb 1949, A.E. Brookes (ED)
 NN 2 ♀ ✓ Canaan, 2000', 23 Jan 1949, A.E. Brookes (ED)
 SD 1 ♀ ✓ Ship Cove 27-30 Jan 1972, G. Kuschel, on Myrsine australis (ED)
 CL 1 ♂ ^{of vates} HOLATYPE Tairua (BMNH) exam. Apr. 1980 [Specimen lacks locality label]
 CL 4 ♀ Hedotype of vates var nigrofasciatus Tairua, Brown (BMNH) (led. lab. affix. Sep '66 BATH)
 AK 2 ♀ Howick, paratypes of vates var nigrofasciatus Brown (BMNH) labels aff. Sep '66 BATH.
 AK 1 ♂ holotype anxius Brown, Howick, Brown (BMNH) hol lab. aff. Sept '66, BATH.
 AK 1 ♂ Hunua Ra (Drury) (BMNH)
 AK 1 ♂ Pirongia, (BMNH) See additional records p 3.

Cacephatus varius (Sharp 1876)

167

PMJC.

Total examined: ~~157~~ (Bm, Cm, ED, FRI, Nm, ZDCU)

DISTRIBUTION: North I. (WO, BP, TK, RI, WI, WN) and South I. (NN, SD including D'Urville I + Stephen I), KA, WD, MC, SC, DN) from sea level to about 600m. Northernmost record ^{Howick, AK} ~~Okara, BP~~; southernmost record: "Otago", DN.

SEASONAL RECORDS: September - February, April

PLANT ASSOCIATIONS: Reared from ^{branches of} Olearia sp (Compositae); dead branch of Laurelia novaezealandica (Monimiaceae); dead branches of Myoporum laetum (Myoporaceae); dead & dying branches & trunk of Hebe stricta (Scrophulariaceae); Has been beaten from Myrsine australis (Myrsinaceae).

Gut contents of dissected adults contained.

Reared from dead branchlets of Pseudopanax arboreum (Araliaceae)Additional Specs. Examined.

- WN ✓ 10♂, 1♀, Te Marua, Upper Hutt, em 1 Dec 1976, REARED ^{Dead branchlets} Pseudopanax arboreum, S. Miller (NZAC)
- TO ✓ 10♂ Whareroa, W. Lake Taupo, 24 Jan 1977, K.J. Fox, (NZAC)
- ND ✓ 10♂ Mt Manaia, 400m, 21 Jan 1981, B.A. Holloway, beaten shrubs (NZAC)
- MC ✓ 10♂ 2♀ Kaihuna Valley, Banks Peninsula 18 Dec 1980 (PM Johns Coll²)
- WN ✓ 10♂ 2♀ Stokes Valley, 13 Jan 1965, K.J. ~~Graham~~ Graham (PM Johns Coll²)
- MC ? 10♂ Kennedy's Bush Banks Penins., 29 Jan 1981 (PM Johns Coll²)
- WN ✓ 6♂ 5♀ Wilton's B., Kokoro, Karori, Gallans V., 1940-42, G. Hudson (BMNH)

Calidobius

Specs. Exam.
(1)

Calidobius littoralis

- NN 9 ♂ (1 of these is HOLOTYPE), 3 ♀, Boulder Bank, Nelson, 29 Mar 1973, G.W. Ramsay, litter 73/99 from black backed gull nest (NZAC).
- NN 2 ♂ Boulder Bank, Nelson 27 May 1972, G.W. Ramsay, litter 72/158 from abandoned black backed gull nest (NZAC)
- CL 2 ♂, 1 ♀, Mercury Is, Nov 1972, G.W. Ramsay, coastal litter (NZAC)
- BP 1 ♂, Mokuotau I. [rises to 150'] 10 Nov 1972, L.R. Moran, litter 72/260 (NZAC)
- AK 2 ♂ Noises Is, Maria I., 25 Oct 1979, M.F. Tocker, litter 79/127 (NZAC)
- AK 2 ♂ " " 10 Dec 1979, J.C. Watt, litter 79/154 (NZAC)
- AK 2 ♀ " " 29 Apr 1979 " " litter 79/69 (NZAC)

SPECS EXAMINED: Holotype, 17 ♂, 6 ♀ (NZAC)

DISTRIBUTION: North Island (CL, BP) + South Island (NN), near sea level. Northernmost record: Mercury Is (CL); southernmost record: Boulder Bank NN.

SEASONAL DISTRIBUTION: March - May, October - December.

PLANT ASSOCIATIONS: Has not been reared. Adults have been extracted from coastal litter + litter from nests of black backed gulls (Larus dominicanus). Gut contents of dissected adults contained fragments of fungal fructifications, v unicellular coelomycete conidia possibly of the genus Fairmaniella.

Cerius otagensis

Cerius

SPECS EXAM ①

otagensis n.sp.

(Holotype & 2 paratypes) 36 C12

CO 3 ♀, Gentle Annie, Kawarau Gorge, 25 Nov 1974, J.S. Dugdale, beaten from Carmichaelia (NZAC)

paratype

CO 1 ♀ / 4 km N of Lindis Crossing, 27 Oct 1981, J.C. Watt, beaten from Carmichaelia petriei (NZAC)

37 D 11

36

Lindis Crossing	44° 53'	169° 21'
Kawarau	45° 8'	169° 08'

Hol 3 ♀ paratypes.

Total specimens: 3 ♀. (NZAC).

Distribution: South Island (CO).

Seasonality: November, December

Plant Associations: Beaten from Carmichaelia (Fabaceae.).

Fragments of functal fructifications and large numbers of brown spots, conidia, ~~parts~~ ^{parts} of a pycnidial fungus, possibly Stigmella, were present in the gut of dissected adults.

Cerius triregius n.sp.

All specimens are from the Three Kings Is.

6 ♂, 6 ♀, Castaway Camp, Great I., Nov 1970, G. Kuschel (NZAC) one ♂ [Holotype]
 1 ♀ Great I., 1-3 Jan 1963, E. S. Gourlay (NZAC) one ♂ drawn D.H. 14.5.80
 1 ♀ Great I., Nov 1970, J.C. Watt, beating at night (NZAC)
 1 ♂, " " J.C. Watt & G. Ramsay, beating at night (NZAC)

Total specimens: ^{Hol.} 6 ♂, 8 ♀ (NZAC)

Distribution: Great I., Three Kings Is.

Seasonality: November & January.

Plant Associations: Has not been reared. Specimens examined were obtained by general beating.

Dasyanthribus

under iso. pho.

SPECS EXAM ①

Dasyanthribus purpureus

- CL 2 specs ✓ Tairua **LECTOTYPE** **PARALECTOTYPE** (NZAC) one ♀ drawn by D.H. 13.8.79
- Three Kings 5♂, 5♀, Tasman Valley, Three Kings Is, Great I., Nov 1970, G. Kuschel, on *Coprosma rhamnoides* (NZAC)
- " 11♂, 12♀ Castaway Camp on *Phormium tenax* (NZAC)
- " 20♂, 2♀ Summit Ridge on *Coprosma macrocarpa* (NZAC)
- ND 3♀ Spirits Bay, Waipuna Strm, Nov 1967, J. I. Townsend, beating (NZAC)
- " 3♀ ✓ Akura Strm, Tom Bowling Bay, on *Coprosma* (NZAC)
- AK 2♀ ✓ Mt. Puckland, 10 Jan 1974, on *Collospermum*, G. Kuschel (NZAC)
- CL 1♀ Kaiarara, Gt Barrier I., 27 Nov 1957, J.C. Watt, on flowering *Leptospermum scoparium* (NZAC)
- T/K 10♂ ✓ SW Island, Three King Is, Nov 1970, G. Kuschel, on *Gymnetea apetala* (NZAC)
- AK 1♀ ✓ Tihirangi 28 Dec 1915, A.E. Brookes (NZAC)
- " 1♀ " 12 Sep 1915 leafmould (NZAC)
- " 1♀ Hunua Ra, 1 Jan 1916, A.E. Brookes " (NZAC)
- " 10♂ Huia, 10 Apr 1915, (NZAC)
- ND 1♀ near L. Ohia, Mangonui 18 Jan 1917, A.E. Brookes, Leafmould (NZAC)
- ND 1♀ Tamahunga, ^{near Mahakauri} 2 Apr 1961, J.C. Watt, beaten ex Mahoe (NZAC)
- " 1♀, no data, #982 [? Brown's h/w - could be paralectotype] (NZAC)
- T/K 6 specs, Tasman Valley, Great I., Nov 1970, G. Kuschel, (NZAC)
- " 17 " " on *Coprosma rhamnoides* (NZAC)
- " 1 " " on *Meryta* (NZAC)
- " 18 " Castaway Camp, Great I., Three Kings, Nov 1970, G. Kuschel (NZAC)
- " 7 " " on *Phormium tenax* (NZAC)
- " 2 " " ex *Ph. tenax* litter (NZAC)
- ND ✓ 6 " Kapowairua, Spirits Bay, 20-28 Aug 1957, J.C. Watt, ex Rangiora flower (NZAC)
- AK ✓ 1 " Waitakere Ra, 26 Nov 1940, A.E. Brookes (NZAC)
- ✓ 1 " Great I., Three Kings, 1-3 Jan 1963, E.S. Gourlay (NZAC)
- ND ✓ 1 " Manaia Summit, Whangarei, 21 Dec 1944, B. Given (NZAC)
- " 1 " no data, E.S. Gourlay Coll. (NZAC)
- ND ✓ 1 " Kaitaia, 29 Dec 1962, E.S. Gourlay (NZAC)
- ND ✓ 1 " Mt Manaia, 500', 10 Jul 1957, beaten kanuka, J.C. Watt (NZAC)
- AK ✓ 1 " Swanson 1 Dec 1955, J.C. Watt, beaten from rimu (NZAC)
- CL ✓ 1 " Fletchers Bay, Coromandel Penin., 10 Nov 1956, J.C. Watt, beaten from titoki (NZAC)
- ND ✓ 1 " Little Mangamuka Gorge, 8 Nov 1948, A.E. Brookes (NZAC)
- ND ✓ 1 " Hen I., 7 Jan 1963, E.S. Gourlay (NZAC)
- AK ✓ 1 " Huia, 23 Nov 1973, B.M. May, on *Podocarpus totara* (NZAC)
- " ✓ 1 " " 13 Dec 1973 on *Rubus cissoides* (NZAC)
- ND ✓ 8 " Mangamuka Gorge, 300m, 11 Dec 1976, B.M. May beaten *Podoc. totara* (NZAC)
- ND ✓ 1 " Pandora, Spirits Bay, Nov 1967, J. I. Townsend (NZAC)
- " ✓ 3 " Waipuna Strm, beating (NZAC)
- " ✓ 3 " Akura Stream, Tom Bowling Bay, Nov 1967, (NZAC)
- CL ✓ 1 " Mt Hobson, Gt Barrier I., 304 m, beaten *Leptospermum* J.C. Watt 27 Nov 1957 (NZAC)
- CL ✓ 1 " " " " >457m, 21 Nov 1957, J.C. Watt (NZAC)
- T/K ✓ 5 " Summit Ridge, South West I., Three Kings, Nov 1970, G. Kuschel, on *Coprosma macrocarpa* (NZAC)

Dasyanthribus purpureus

- ND ✓ 1 spec, Spirits Bay, Road to Tom Bowling Bay, 17 Jan 1966, A.K. Walker (NZAC)
- " ✓ 1 " " " Unuwaho, 213', 18 Jan 1966 (NZAC)
- " ✓ 1 " Cape Reinga, tributary to Taputaputa Strm, 16 Nov 1967 J.I. Townsend (NZAC)
- " ✓ 1 " Omahuta S.F., 4 Feb 1975, G. Kuschel (NZAC)
- WO ✓ 1 " Mangatarata, Hampuakohe Rd, Sth Auck, Nov 1973, A.K. Walker ^{beating Phyllocladus trichomanoides} (NZAC)
- ND ✓ 1 " Sth Pandora, Te Pahi Coastal Park, 7 Feb 1975, A.K. Walker, beating (NZAC)
- " ✓ 2 " Whareana, southern North Cape, 8 Feb 1975, A.K. Walker, beating Cyatodes Fascic. (NZAC)
- " ✓ 1 " Te Matau Ngahere, Waipoua S.F. 4 Feb 1975, " " sweeping (NZAC)
- CL ✓ 2 " Aroa rotamahino, Mayor I., Nov 1975, J.C. Watt (NZAC)
- AK ✓ 1 " Catty grass Track, Waitakere Ra., 4 Dec 1973, G. Kuschel, on Nestegia lanceolata (NZAC)
- ✓ 1 " no data #982, Anthribus purpureus (UCNZ)
- AK ✓ 1 " Lynfield, 16 Jan 1977, coastal, G. Kuschel (NZAC)
- ND ✓ 1 " Parua, (BMNH)
- CL ✓ 1 " Tairua Paralectotype (aff BAH Sep '65) (BMNH)
- AK ✓ 1 " Helensville (BMNH)
- AK ✓ 2 " Northcote (BMNH)
- AK ✓ 1 ♀ Tihirangi, Nov 1980, R.H. Kleinpaste, Malaise trap in native bush (NZAC)
- ND ✓ 1 ♂, 1 spec, MF Manaia, 400m, 21 Jan 1981, B.A. Holloway, beating shrubs (NZAC)
- AK ✓ 1 spec. Haingholun, 23 Oct 1980, R. Kleinpaste, Malaise trap (NZAC)
- AK ✓ 2 spec, Wattle Bay, Lynfield, 19 Oct 1980, G. Kuschel, on old Vitex (NZAC)
- AK ✓ 1 ♀ " " 5 Apr 198 " " on Freyinetia (NZAC)
- AK ✓ 1 ♂ " " 15 Nov 1979 " " on Salix fragilis (NZAC)
- Three Kings 1 spec, Great I., 1-3 Jan 1963, E.S. Gourlay (NZAC)

Leidtype, 22 ♂, 36 ♂ III unsexed

- 1 spec. no data (OMNZ)

Dasyanthribus purpureus
170

Total specimens examined +6+ (BMNH, NZAC, UCNZ)

DISTRIBUTION: Three Kings Is (34°10'S, 172°08'E) and North

Island (Northland including Hen I, Auckland, Coromandel including Great Barrier I & Mayor I, Waikato). Northernmost record: Great I, Three Kings Is; southernmost records: Mayor I, C.L., & Mangakaraka, W.O. (from sea level to about 460m.)

SEASONAL RECORDS: Nov-Feb, Apr, Jul-Sep Oct

PLANT ASSOCIATIONS: Has not been reared. Adults have been

beaten from ~~beaten from~~ ^{native} various trees + shrubs, and extracted from ~~from~~ ^{from native forests.}

~~forest~~ leaf litter. Does not occur in ~~modified~~ habitats modified by man.

Dysnocryptus

SPECS EXAM. ①

Dysnocryptus balthasar n.sp.

All from Three Kings Islands.

86^v ♀ Great King I., Oct 1948 leafmould, E.G. Turbott (AMNZ)

41 ♂, 29 ♀ Tasman Valley, Great I., Nov 1970, G. Kuschel, J.C. Watt, G.W. Ramsay (NZAC)
mass & litter 70/204, 70/214, 70/219, 70/211, 70/223, 70/229, 70/203, 70/230 ✓

86 ♂, 74 ♀ Cashtaway Camp, Great I., Nov 1970, G.W. Ramsay, J.C. Watt, G. Kuschel (NZAC)
litter 70/235, 70/23A, 70/196, 70/233, 70/224, 70/193, 70/194, 70/195, 70/182 ✓

1 ♀ Great I., Nov 1970, beating at night, J.C. Watt (NZAC)

10^v HOLOTYPE Cashtaway Camp, Great I., Nov 1970, G. Kuschel, litter 70/193 (NZAC)

Dysnocryptus balthasar

Total examined: Holotype, 135 ♂ paratypes, 109 female paratypes (AMNZ)
(NZAC)

Distribution: Three King Is (Great I). Sea level to about 100m.

Seasonality: October, November.

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

Dysnocryptus dignus

- AK 20[♂] 30[♀] Lynfield, 2 Jun 1975, G. Kuschel, on Cortaderia (NZAC)
- AK 20[♂] ~~30[♀]~~ " 1 May 1977 " " ex ground plants (NZAC)
- AK 20[♂] 10[♀] " 27 Jul 1974 " " on Cortaderia (NZAC)
- AK " 10[♀] " 21 Jul 1974 " " on Cortaderia (NZAC)
- AK " 10[♀] " 25 Apr 1977 " " base of Gahnia (NZAC)
- AK " 10[♀] " 25 Apr 1976 " " near palm (NZAC)
- AK 10[♂] " 17 Oct 1975 " " litter 75/156 (NZAC)
- AK " 10[♀] " 26 Jul 1975 " " (NZAC)
- AK 10[♂] " 24 Jul 1976 " " on Cortaderia (NZAC)
- AK 10[♂] Waike Bay 18 Sep 1977 " " base of dead Acacia (NZAC)
- AK " 10[♀] " 18 Mar 1979 " " on Gahnia lacera (NZAC)
- AK ~~10[♂]~~ ~~10[♀]~~ Lynfield 6 Feb 1976 " " on Carex & Urcinia (NZAC)
- AK ~~10[♂]~~ ~~10[♀]~~ Murphys Bush, Otara, 30 Mar 1977, G. Kuschel, litter (NZAC)
- ND 10[♂] Lady Alice I., 60m, Hen & Chicken Is, 18 Oct 1971, B.M. May, litter (NZAC)
- ND 10[♀] Unuwhao, 800', Spirits Bay, 18 Jan 1966, A.K. Walker, forest litter (NZAC)
- ND 10[♀] Waipona Forest, 26 Sep 1958, R.A. Cumber, (NZAC)
- ND 10[♀] Kapowairua, Spirits Bay, 20-28 Aug 1957, J.C. Watt, ex leaf mould (NZAC)
- BP 20[♂] Mt Te Aroha, Thames Valley, June 1914, T. Brown (NZAC)
- ND 10[♀] Hicks ~~Bush~~ Bush, Kohukohu, Hokianga, 15 Nov 1948, A.E. Brookes (NZAC)
- ND 10[♀] "Parua" HOLOTYPE " 987 " NZBC etc " Dysnocryptus dignus [BHW],
Hol label affix. BATH Aug 1965 (BMNH)
- AK 10[♀] "Epsom", Oct 1911, "BCB etc" (BMNH)
- AK 10[♀] no data (BMNH)
- AK 40[♂] Lynfield 26 Oct 1974, litter 74/62, G. Kuschel (NZAC)
- AK 30[♂] 10[♀] Hob, "16 ♀ 24 Apr 1976, Palm litter, " " (NZAC)
- AK 10[♀] " 5 Apr 1975, on Cortaderia " " (NZAC)
- AK 10[♀] " 2 Oct 1976, base of Gahnia " " (NZAC)
- ND 10[♂] Mt Manaia, 21 Jan 1981, G. Kuschel (NZAC)
- AK 10[♂] Lynfield, 21 Dec 1980, G. Kuschel [REARED] stalks of Gahnia lacera G. Kuschel (NZAC)

is this part
of this
recor

Dysnocyphus dignus

~~16~~ 15.19

Total examined: Holotype, ~~1♂~~, 1♂, 1♀ (BMNH, NZAC)

Distribution: North Island - ND including Hen & Chicken Is, AK, BP.
 Near sea level to about ~~200~~ m. Northernmost record:
 Kapowairua, Spirit's Bay, ND; southernmost record:
 ML - Te Aroha, BP.

Seasonality: ^{Rec} Jan - October inclusive, probably throughout year.
 from stalks of Gahnia lacina (Cyperaceae)

Plant-Assoc^{ns}: Has ~~not~~ been reared. Adults have been extracted
 from leaf litter and beaten from Cortaderia sp (Gramineae),
Carex sp (Cyperaceae); Uncinia sp. (Cyperaceae);
Gahnia (Cyperaceae).

Dysnocryptus gaspar n.sp.

All from Three Kings Islands.

- 1♂ Tasman Valley, Great I., Nov 1970, G. Kuschel, litter 70/206 (NZAC)
+ C. rhamnoides
- 3♀ on Coprosma macrocarpa (NZAC)
- 4♂ 4♀ Castaway Camp, " " " " , G. Kuschel, G.W. Ramsay, litter, ~~70/193~~ (NZAC)
- 1♂ 1♀ Great Island, Nov 1970, J.C. Watt, beating at night (NZAC)
- 1♂ Great I., Jan 1963, E. S. Gourlay (NZAC)
- 1♀ HOLOTYPE, Castaway Camp Great I., Nov 1970, G. Kuschel, litter 70/193 (NZAC)

Dysnocryptus gaspar

SPECS EXAM ②

Total examined: Holotype ♀, 6 ♂ paratypes, 9 ♀ paratypes
(NZAC)

Distribution: Three Kings Is. (Great I.) Near sea level to c 100 m.

Seasonality: Jan, Nov.

Plant Associations: Has not been reared. Adults have been beaten from plants and extracted from ^{leaf} litter.

Dysnocrptus inflatus

AK	4♂	6♀	Wattle Bay, Lynfield, 13 Jan 1980, on <u>Lepidosperma</u> , G. Kuschel (NZAC)
AK		2♀	" " 9 Dec 1979, on <u>Ulex</u> stump (NZAC)
	1♂	3♀	Lynfield, 2 Jun 1975, on <u>Cortaderia</u>, G. Kuschel (NZAC)
		1♀	" 8 May 1976 G. Kuschel (NZAC)
	1♂	1♀	" 17 Oct 1975, litter 75/155, G. Kuschel (NZAC)
		1♀	" 25 Jan 1975, on <u>Hedycarya</u> , G. Kuschel (NZAC)
		4♀	" 16 Nov 1974, G. Kuschel (NZAC)
		2♀	" 24 Apr 1976, Palm litter, G. Kuschel (NZAC)
		1♀	" 6 Dec 1975, G. Kuschel (NZAC), on <u>Carex</u> & <u>Uncinia</u>
	1♂	3♀	" 20 Oct 1974, G. Kuschel, on <u>Pseudopanax arborea</u> (NZAC)
	1♂		" 20 Nov 1975, G. Kuschel, on <u>Gahnia</u> (NZAC)
	2♂	1♀	" 5 Apr 1975, G. Kuschel, on <u>Cortaderia</u> (NZAC)
	1♂		" 5 Sep 1976 " " <u>Gahnia</u> litter (NZAC)
	1♂		" 11 Sep 1976 " " beating <u>Gahnia</u> (NZAC)
	3♂		" 24 Jan 1976 " " (NZAC)
	1♂	1♀	" 16 Aug 1975 " " ex <u>Gahnia</u> base (NZAC)
	1♂	1♀	" 14 Aug 1976 " " litter at bush margin (NZAC)
		1♀	" 29 May 1976 " " garden litter (NZAC)
	5♂	3♀	" 5 Apr 1975 " " on <u>Gahnia</u> (NZAC)
	1♂		" 14 Sep 1974 " " cut <u>Alseuosmia</u> (NZAC)
	1♂		" 28 Feb 1976 " " on <u>Rhopalostylis</u> (NZAC)
	1♂		" 28 Jul 1974 " " litter 74/58 (NZAC)
		1♀	" 6 Feb 1976 " " on <u>Carex</u> & <u>Uncinia</u> (NZAC)
		3♀	" 17 Jul 1976 " " on <u>Acacia mearnsii</u> (NZAC)
	1♂	1♀	" 27 Mar 1977 " " on <u>Gahnia</u> litter (NZAC)
	4♂	2♀	" 18 Sep 1976 " " mixed litter (NZAC)
	1♂		" 23 Aug 1975 " " Moss in paddock (NZAC)
	1♂		" 13 Apr 1975 " " litter 75/73 (NZAC)
	1♂		" 13 Dec 1975 " " (NZAC)
	1♂	1♀	" 28 Aug 1976 " " ground plants (NZAC)
	1♂		" 26 Oct 1974 " " litter 74/62 (NZAC)
	2♂		" 25 Jan 1975 " " on <u>Gahnia</u> (NZAC)
	1♂		" 21 Jul 1974 " " on <u>Cortaderia</u> (NZAC)
	1♂	1♀	" 2 Nov 1974 " " beating at night (NZAC)
		2♀	" 1 Feb 1975 " " (NZAC)
	1♂	2♀	" 27 Jul 1974 " " on <u>Gahnia</u> (NZAC)
	1♂		" 27 Mar 1975 " " (NZAC)
	1♂		" 8 Oct 1974 " " cut <u>Acacia</u> (NZAC)
			" 26 Jul 1975 " " (NZAC) <u>Gather trunk</u>
AK		3♀	Green Bay 20 Jul 1974 " " (NZAC)
			Lynfield 31 Jul 1976 " " (NZAC)
			" 13 Jul 1976 " " (NZAC)

Dysnocryptus inflatus

AK	✓	1♂	Lynfield, 8 Nov 1975, G. Kuschel, mixed vegetation (NZAC)
		1♂	" 4 Sep 1976 on ground plants (NZAC)
		1♂	" 1 Dec 1975 at night (NZAC)
		1♂	" 5 Jul 1976 on <u>Aracia</u> in paddock (NZAC)
		1♂	" 25 Apr 1976 near palm (NZAC)
		1♂	" 9 Aug 1975 litter 75/149 (NZAC)
		1♂	" 26 Jul 1975, on <u>Metrosideros</u> (NZAC)
		1♂	" 19 Dec 1975, on <u>Gahnia</u> (NZAC)
		1♂	" 25 Apr 1977 base of <u>Gahnia</u> (NZAC)
		10♂	" 3 Oct 1976 coastal (NZAC)
		1♂	" 5 Apr 1975 dead <u>Dysoxylum</u> (NZAC)
		1♂	" 14 Aug 1976 (NZAC)
		1♂	" Sep 1974 (NZAC)
		5♂	" 27 Jan 1977 ex mainly <u>Astelia</u> (NZAC)
		1♂	" 17 Oct 1975 litter 75/156 (NZAC)
		1♂	" 25 Oct 1975 old <u>Sophora</u> (NZAC)
		1♂	" 20 Dec 1975 cut <u>Pseudopanax</u> (NZAC)
		1♂	" 11 Sep 1976 soil under dead lamb (NZAC)
		2♂	" 13 Nov 1977 litter (NZAC)
		4♂	" 5 Oct 1974 general beating (NZAC)
		4♂	" 8 Apr 1975 (NZAC)
		1♂	" 21 Jul 1974 (NZAC) on <u>Cortaderia</u>
		1♂	" 26 Jul 1975 (NZAC)
		1♂	" 24 ^{Feb} 1979 on <u>Astelia banksii</u> (NZAC)
		1♂	" 25 Feb 1977 maritime (NZAC)
		1♂	" 25 Mar 1979 on <u>Freyinetia</u> (NZAC)
		1♂	" 23 Nov 1974 litter 74/76 (NZAC)
		1♂	" 11 Feb 1979 <u>Astelia banksii</u> (NZAC)
		1♂	" 10 Mar 1979 on <u>Carex geminata</u> (NZAC)
		2♂	" 1 May 1977 ex ground plants (NZAC)
ND	✓	2♂	Fanal l., Mokohinau Is, 1 Mar 1978, G. Kuschel, litter 78/114 (NZAC)
ND	✓	6♂	Bungst., litter 78/116 (NZAC)
ND	✓	2♂	Trig l., 27 Feb 1978 litter 78/107 (NZAC)
ND	✓	1♂	Fanal l., 1 Mar 1978 litter 78/115 (NZAC)
AK	✓	1♀	Lynfield, Wattle Bay, 1 Apr 1977, LL Deitz, AK Walker, sweeping <u>Scirpus</u> swamp (NZAC)
		5♂	" " 24 Mar 1979, G. Kuschel, on <u>Leptocarpus similis</u> (NZAC)
		11♂	" " 18 Mar 1979 on <u>Gahnia lacera</u> (NZAC)
		3♂	" " 18 Mar 1979 on <u>Cortaderia</u> (NZAC)
		1♂	" " 29 Jan 1977 Coastal (NZAC)
		2♂	" " 23 Feb 1977 maritime (NZAC)
		1♂	" " 10 Apr 1977 maritime (NZAC)
		1♂	" " 16 Jan 1977 coastal cliffs (NZAC)
CL	✓	3♂	Colville, 24 Mar 1977, G. Kuschel, mangrove swamp (NZAC)
CL	✓	2♂	Waikawa (NZAC)

8137 55♀

Dysnocyrtus inflatus

AK	10	Waioneke, Kaipara Harbour, 25 Sep 1977, G. Kuschel, on <u>Leptocarpus</u> (NZAC)
10[♂]	10[♀]	Lynfield, Wattle Bay, 18 Sep 1977, base of dead <u>Acacia</u> G. Kuschel (NZAC)
20[♂]	10[♀]	" " " 3 Oct 1976, on <u>Gahnia</u>, G. Kuschel (NZAC)
10[♂]		" " " 10 Jul 1976, decayed wood, " " (NZAC)
30[♂]		" " " 31 Jul 1976 " " " " (NZAC)
10[♂]	10[♀]	" " " 18 Sep 1977, on sedges " " (NZAC)
20[♂]	20[♀]	" " " 17 Jul 1977, base of <u>Gahnia</u>, " " (NZAC)
10[♂]		" " " 2 Oct 1976, base of <u>Gahnia</u> G. Kuschel (NZAC)
20[♂]		" " " 22 Jan 1977, above beach " " (NZAC)
20[♂]		" " " 7 Aug 1977, coastal litter " " (NZAC)
	10	" " " 20 Feb 1977, <u>Scirpus/Carex</u> " " (NZAC)
	20	" " " 28 Jun 1975, G. Kuschel (NZAC)
10[♂]	10[♀]	" " " 8 Apr 1977 " " <u>Sophora</u> shump (NZAC)
10[♂]	10[♀]	" " " 18 Sep 1977 " " ex sedges (NZAC)
10[♂]	10[♀]	" " " 6 Sep 1975 " " on fennel (NZAC)
10[♂]		" " " 31 Jul 1976 " " (NZAC)
10[♂]		" " " 10 Jan 1977 " " coastal cliffs (NZAC)
	10	" " " 15 Jan 1977 " " under flax (NZAC)
	10	" " " 10 Apr 1977 " " maritime (NZAC)
	10	" " " 16 Aug 1975 " " soil near <u>Uncinia</u> (NZAC)
	10	" " " 12 Jun 1976 " " garden leaf litter (NZAC)
	10	" " " 5 Apr 1975 " " on <u>Gahnia</u> (NZAC)
	10	" " " 25 Apr 1974 " " (NZAC)
	10	" " " 10 May 1975 " " litter 75/108 (NZAC)
	10	" " " 5 Sep 1976 " " decayed wood (NZAC)
	10	" " " 13 Mar 1977 " " stream bank (NZAC)
	10	" " " 27 Jul 1975 " " on stream bank (NZAC)
	10	" " " 14 Sep 1974 " " on <u>Podocarpus dactyloides</u> (NZAC)
	10	" " " 27 Jul 1974 " " ex <u>Fragaria</u> (NZAC)
	10	" " " 1 Nov 1975 " " at night (NZAC)
CL	20	Stanley I., Mercury Is., 23 Nov 1972, G. W. Ramsay, litter 72/220 (NZAC)
"	30	" " " " " " " " <u>Astelia</u> etc (NZAC)
"	10	" " " 24 Nov 1972 " " " " litter 72/223 (NZAC)
"	20	Middel I., " " 21 Nov 1972 " " " " 72/212 (NZAC)
"	30	" " " " " " " " " " 72/214 (NZAC)
"	10	" " " " " " " " " " 72/213 (NZAC)
"	10	Middle Chain I., " " 16 Nov 1972, D. Merton litter 72/210 (NZAC)
"	10	Red I., Mercury Is., 24 Nov 1972, G. W. Ramsay, (NZAC)
"	20	" " " " " " " " " " litter 72/227 (NZAC)
"	10	" " " " " " " " " " " 72/229 (NZAC)
"	20	" " " " " " " " " " " 72/230 (NZAC)
"	10	" " " " " " " " " " " 72/232 (NZAC)
"	30	little Ohena I., Ohena Is., 26 Nov 1972 D. Merton " " 72/241 (NZAC)

Dysnocryptus inflatus

- CL 30♂ ✓ Ohenal, Ohenals, 25 Nov 1972, G.W. Ramsay, 72/235, (NZAC)
- " 20♂ " " " " 72/236 (NZAC)
- " 10♂ " " " 26 " " " " 72/238 (NZAC)
- ~~10♂~~ 4♀ Koruengal, 27 Nov 1972 " " " " 72/243 (NZAC)
- ~~10♂~~ 4♀ " " " " " " " " 72/244 (NZAC)
- CL 1♀ Ruamahua^{iti} l, Aldermen Is, 11 Nov 1972 G.W. Ramsay 72/197 (NZAC)
- " 2♀ Ruamahua^{iti} l., " " " 16 Nov 1972 " " " 72/207 (NZAC)
- " 10♂ 1♀ " " " " 14 " " " " 72/205 (NZAC)
- " 20♂ 1♀ " " " " " 16 " " " " 72/206 (NZAC)
- " 10♂ Ruamahua^{iti} l., " " " " 12 " " " " 72/201 (NZAC)
- " 20♂ 4♀ Hongiora l, " " " " 11 Nov 1972, A. Whittaker, 72/195 (NZAC)
- " ✓ 10♂ Little Barrier l, Summit Track, 30m, 12 Mar 1974, J.C. Watt 74/29 (NZAC)
- ND ✓ 1♀ Lady Alice l, Henū Chickens Is, 17 ~~Nov~~ Oct 1971, B.M. May em 20 Nov 71 ex dead wood of Meryta (NZAC)
- AK ✓ 10♂ 1♀ Horwick Golf Course, Apr 1978, S. Pitt, bird's nest 78/157 (NZAC)
- AK ✓ 10♂ 2♀ Ladies Bay 2 Jan 1978, S.M. Read, nest 78/69 (*Turdus philomelos*) (NZAC)
- CL 10♂ 2♀ Korapuke J, Mercury Is, 28 Nov 1972, G.W. Ramsay, 72/252 (NZAC)
- CL 10♂ 2♀ Ruamahua^{iti} l, Aldermen Is, 8-12 Nov 1972 " " " (NZAC)
- AK ✓ 20♂, 2♀ Green Bay, 14 Jul 1974, B.A. Holloway, beaten dead monocots above beach (NZAC)
- AK ✓ 1♀ Wattle Bay 1 Apr 1977 " " beaten above H.W.M. (NZAC)
- AK ✓ 10♂ 1♀ Goat l, Leigh, 3 Feb 1976, coll. ? , Carex v Urcinia (NZAC)
- CL ✓ 10♂, 2♀ Colville, 24 Mar 1977, G. Kuschel, on Leptocarpus similis (NZAC)
- AK ✓ 10♂, 2♀ Lynfield, 10 Mar 1979, G. Kuschel, on Carex geminata (NZAC)
- CL ✓ 10♂ 2♀ Colville, 24 Mar 1977 LL Deitz, sweeping tidewater monocots, (NZAC)
- CL - 1♀ " " " " D.W. Helmore, " " " (NZAC)
- AK ✓ 30♂, 2♀ Lynfield, Tropicana Drive, 30 Nov 1974 G. Kuschel REARED em 4 Jan - 8 Aug 1975 ex Ulex europaeus (NZAC)
- CL ✓ 2♀ Little Barrier l, Haowhenua Stream, ²¹ Feb 1976, AK Walker (NZAC)
- CL ✓ " " Pohutukawa Flat ^{foreshore} Stream, 3 Oct 1975, ~~AK~~ B.M. May, litter 75/194 (NZAC)
- AK ✓ 10♂ Waiwera, 12 Jul 1976, R.A. Cumber, leaf litter (NZAC)
- ND ✓ 1♀ Coppermine l, Chicken Is, 28-31 Oct 1968, J.C. Watt, litter (NZAC)
- AK ✓ 10♂ Mt Smart Domain, 45m, 12 Dec 1970, A.W. Don, litter (NZAC)
- ND ✓ 1♀ Lady Alice l, Henū Chicken Is, 61m, 18 Oct 1971, B.M. May, litter, (NZAC)
- ND ✓ 10♂ " " " " " 30m " " " " (NZAC)
- ND ✓ 1♀ Tawhiti Rahi, Poor Knights, 2-6 Jan 1956, J.C. Watt, ex Carmichaelia (NZAC)
- AK ✓ 2♀ Base of Mt Eden, 15 Sep 1948, A.E. Brookes, leaf mould (NZAC)
- CL ✓ 1♀ Whangaparapara, Gt Barrier l, 17-29 Jan 1930, A.E. Brookes (NZAC)
- AK ✓ 1♀ Northcote 1 Dec 1944, A.E. Brookes (NZAC)
- ND ✓ Hen l., 14-20 ~~1932~~ Jan 1932, A.E. Brookes (NZAC) leaf mould
- AK 10♂ ✓ Greenlane, AK, 11 Sep 1948, KP Lamb, ex Tree Dahlia (NZAC)
- AK ✓ 2♀ Grafton Gully, 15 Oct 1941, D. Spiller (NZAC)
- AK 10♂ ✓ Mt Albert 23 Nov 1943, M.W. Carter (NZAC)
- 10♂ no data (NMNZ)
- 1♀ no data except "Antihibus inflatus D.S." (Sharps H/W) Coll. Wakefield (CMNZ)
- 1♀ " " "Antihibus inflatus" (Brunns H/W) (UCNZ)

Dysnocryptus inflatus

- CL ✓ 1♀, Tairua, "Dysnocryptus inflatus" BHW (BMNH)
- AK ✓ 1♀ Epsom Dec^r 1911 (BMNH)
- AK ✓ 1♂[?] Epsom Nov^r 1911 (BMNH)
- AK ✓ 1♀ Epsom Jan^y 1912 (BMNH)
- AK ✓ 1♂[?] Tiritiri Id. HOLOTYPE testaceus Dysn. testaceus [BHW] Hol Label affix
BMNH Sep 1965 (BMNH) [actually Tiritiri Matangi I.]
- ND ✓ 1♀ Mokohinau I. (BMNH)
- AK 1♂[?] Lynfield, em 24 Oct 1980 from Gahnia lacera, G. Kuschel REARED (NZAC)
- 20[?] Waipre, 19 Sep 1958, R.A. Cumber. (NZAC)
- ND ✓ 1♂[?] Oruaiti, 22 Sep 1958, (NZAC)
- AK ✓ 2♀ Lynfield, Wattle Bay, em 14 & 21 Dec 1980, REARED ^{states of} Gahnia lacera G. Kuschel (NZAC)
- AK ✓ 1♂ 3♀ " on cut Muehlen-complexa, 16 Aug 1980, G. Kuschel (NZAC)
- AK 1♂[?] Whg Whangarata, Milliers Bush, 17 Apr 1981, B.A. Holloway (NZAC)
- AK 1♂[?] Lectotype of inflatus (NZ) BMNH. Fam design. Auck as T/L. North Island
- AK 8♂ 9♀ Noises Is, Motukhoropapa I., 17 Feb 1978, J.S. Dugdale, beaten hanging Parsonia (NZAC)
at night -
- 10[?] 15 Dec 1977 J.C. Watt, litter (NZAC)
- 10[?] 23 Aug 1978, G.W. Ramsay (NZAC)
- 5♂ 2♀ 16 Jun 1978, J.C. Watt, litter (NZAC)
- 6♀ 2♀ 31 Oct 1977, at night (NZAC)
- 2♀ 15 Jan 1978 J.S. Dugdale litter (NZAC)
- 1♂ 14 Dec 1977 LL Deitz litter (NZAC)
- 10[?] 3 Nov 1977 " " litter (NZAC)
- 4♂ 2♀ 19 Feb 1978 J.S. Dugdale litter (NZAC)
- 5♂ 2♀ 21 Aug 1978 G.W. Ramsay litter (NZAC)
- 1♂ 24 Oct 1978 DW. Helmore litter (NZAC)
- 10[?] Otata I. 28 Aug 1979, G.W. Ramsay & G. Hall, at night (NZAC)
- 10[?] Noises Is, Motukhoropapa I., 28 May 1979 " & C.F. Butcher, litter (NZAC)
- 10[?] 24 Apr 1979 Bennett & Cleary litter (NZAC)
- 10[?] 17 Dec 1978 Helmore & Cleary litter (NZAC)
- ND 2♂ 2♀ Tawhiti Rahi, Stag Bay, 40m, Poor Knights, 20 Sep 1980, Watt, litter 80/72, (NZAC)
- 1♀ no data (OMNZ)
- AK 1♂[?] Cemetery Gully, Auckland, Sep 1901, H Swale (BMNH)
- 1♂[?] New Zealand, H Swale, pre 1913 (BMNH)

Dysnocryptus inflatus

256
~~254~~⁰⁷ 215 SPECS EXAM (6)
222 218 ♀
~~220~~⁰⁷ ~~156~~[♀]

Total specs exam. Holotype of testaceus, ~~218~~⁰⁷, 486 ♀ (BMNH, NZAC, CMNZ, UCNZ).

North Island -

DISTRIBUTION: ND incl Poor Knights Is, New & Cluding Is, Moko Hinian Is, AK, CL incl Great Barrier Id, Little Barrier Id, Mercury Is, Ohena Is, ^{The} Aldermen Is. From sea level to 70 m. Northernmost record: Poor Knights Is. ND; southernmost record: Tairua, CL.

SEASONALITY: ^{adults} Have been collected throughout the year.

PLANT ASSOCIATIONS: Has been reared from ^{Gahnia laevis (Cyperaceae) and} dead wood of Ulex europaeus (Leguminosae) and Meryta sinclairii (Araliaceae). Adults have been extracted from leaf litter & beaten ^{in large numbers} from Lepidosperma sp (Cyperaceae), Cortaderia sp (Gramineae), Gahnia sp (Cyperaceae), Astelia sp (Liliaceae), Leptocarpus similis (Restionaceae).

Dysnocryptus maculifer

- MC ✓ 10♂, 3♀, S. of Little River, Banks Peninsula, 5 Sep 1966, A.D. Lowe, ^{litter under} *Leptospermum* (NZAC)
 KA ✓ 10♂ S of Goose Bay, Kaikoura, 2 Mar 1965, N.A. Walker, litter 65/99 (NZAC)
 MC ✓ 30♂, 1♀ Rakaiia Gorge, Canterbury 27 Sep 1912, T. Hall, leafmould (NZAC)
 MC ✓ 20♂, 1♀ " " " " 18 May 1912 " " (NZAC)
 - 10♂, 1♀ No data except "2218" (Bromms H/W), "T. Brown Dup. Coll." (NZAC)
 KA ✓ 10♂ Puhipuhi Reserve, ^(just N of Kaikoura) Kaikoura, 600', 13 Oct 1966, A.K. Walker, ^{moss from} rock faces (NZAC)
 - 20♂, 20♂ no data (NMNZ)

DN 10♂ ✓ HOLOTYPE, "2219", Moeraki, "NZBC etc", "Dysnocryptus maculifer
 [Bromms H/W], Hol Label/affix. ^{to label} BPH. Aug 1965 (BMNH)

The type locality is given as Mokohinau in O.D. but this has been corrected in publicⁿ by Brown.

- MC 30♂, 3♀ Rakaiia Gorge, 18-5-1912, variously labelled "2218" + "var 2218" in Bromms
 H/W [these all incorrectly ident. by Brown as pallidus or pallidus var!!]
 DN 10♂, 2♀ "Moeraki", "Sharp Coll 1905-313" (BMNH)

MC 25♂, 17♀

- MC 50♂, 3♀ Birdlings Flat, Banks Peninsula, 3 Feb 1981, ^{under Muehlenbeckia sp.} beside Lake Forsythe, Berlese extr. (PM Johnson)

Dysnocryptus maculifer

SPECS EXAM (2)

Total examined: Holotype, 20♂, 14♀ (BMNH, NMNZ, NZAC)

Distribution: South Island - KA, MC, DN. Sea level to about 300m. Northernmost record: Pukipuki Reserve, Kaikoura, KA; southernmost record: Moeraki, DN.

Seasonality: Nov, May, Aug, Sep, October.

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

Dysnocryptus melchior n. sp.

All from Three Kings Islands.

11 ♂, 5 ♀ Tasman Valley, Great I., Nov 1970, G. Kuschel, litter ~~no~~ 70/206, 70/207, 70/216
70/215 (NZAC)1 ♀ ^{HOLOTYPE} Castaway Camp, Great I., Nov 1970, G. Kuschel, litter 70/193 (NZAC)

1 ♀ South West I., Nov 1970, G.W. Ramsay, litter, 70/240 (NZAC)

1 ♀ " " Nov 1970, G. Kuschel, litter, 70/237 (NZAC)

(Holotype ♀, 11 ♂, 7 ♀)

Dysnocryptus melchior

Total examined: Holotype ¹¹ ♀, ~~10~~ ⁷ ♂, 8 ♀. (NZAC)

Distribution: Three Kings Is & - Great I., South West I. Near sea level to about 100 m.

Seasonality: November.

Plant Assocⁿ: Has not been reared. Adults have been extracted from leaf litter. Fragments of fructifications and hyphae and triseptate spores suggestive of an ascomycete have been found in the gut of dissected specimens.

Dysnocrptus pallidus

- NN 410[♂] 9 ♀, Wakefield, 19 Aug 1965, G. Kuschel, A.K. Walker (NZAC)
- NN 40[♂] 3 ♀, Marsden Valley, 2 Oct 1965, J.I. Townsend (NZAC)
- SD ✓ 20[♂] 6 ♀, French Pass, 25 Apr 1963, G. Kuschel, leafmould (NZAC)
- NN 50[♂] 2 ♀, Wakefield, 9 Sep 1965, J.I. Townsend, ex Lonicera (NZAC)
- KA ✓ 20[♂] 1 ♀, Goose Bay 2 Feb 1965, N.A. Walker, (NZAC)
- SD 80[♂] 8 ♀, Stephens I. Second Summit, Feb 1971, J. McBurney, litter 71/71 (NZAC)
- SD ✓ 60[♂] 2 ♀ " " Flat behind keepers house, - - - - - 71/69 (NZAC)
- SD 40[♂] 1 ♀ " " Frogbank, 1 May 1975, D.G. Newman, beating Muehlenbeckia (NZAC)
- SD 20[♂] 3 ♀ Shakespeare Bay, Picton, 11 Aug 1969, J. McBurney, litter 69/144 (NZAC)
- NN ✓ 1 ♀ Botanical Hill, Nelson, 26 Sep 1967, J.C. Watt, beaten flowering Brachyglottis repanda (NZAC)
- NN ✓ 1 ♀ " " " " " " " " Helicythus ramiflorus (NZAC)
- SD ✓ 1 ♀ Stephens I. West Face, Feb 1971, J. McBurney, litter 71/70 (NZAC)
- SD ✓ 10[♂] 4 ♀ " " " " " " " " litter 71/74, 16 Feb 1971, G.W. Ramsay (NZAC)
- SD ✓ 10[♂] x Parangi, Marlborough, 2 Sep 1969, G. Kuschel, litter 69/149 (NZAC)
- NN 130[♂] Fishermans I., Nelson, 30 Jul 1965, G.W. Ramsay, litter 65/408 (NZAC)
- SD ✓ 2 ♀ Titirangi, Marlborough, 22 Oct 1969, F.A. Alack, litter 69/177 (NZAC)
- NN ✓ 30[♂] 1 ♀ Cable Bay, Nelson, 23 Jul 1964, J.I. Townsend, litter (NZAC)
- SD ✓ 50[♂] 1 ♀ D'Urville I., 22 Mar 1942, E.S. Gourelay (NZAC)
- NN 40[♂] Maitai Valley, 20 May 1966, A.C. Eyles, litter (NZAC)
- NN ✓ 1 ♀ " " 15 Jan 1976, A.K. Walker, sweeping Trifolium
- NN ✓ 10[♂] Ruby Bay, 15 Jun 1963, G. Kuschel, litter (NZAC)
- NN 40[♂] Maori Pa, Cable Bay, 23 Jul 1964, J.I. Townsend (NZAC)
- MC 10[♂] Puke Atea Bush ^(on Port Hills), 12 Jan 1944, E.S. Gourelay (NZAC)
- SD ✓ 10[♂] Stephens I. ^{- Colpitts Club}, 10 Feb 1964, J.I. Townsend (NZAC)
- KA ✓ 1 ♀ ~~10[♂]~~ Oara, Kaikoura, 20 Sep 1968, J.C. Watt, Hedycarya arborea litter 68/134 (NZAC)
- NN ✓ 1 ♀ Nelson, 12 Dec 1951, E.S. Gourelay ~~(CMNZ)~~ (NZAC)
- NN 10[♂] 1 ♀ " 9 Sep 1941 " " (NZAC) ♂ drawn by D. Helmore 3.7.80
- NN 10[♂] Canaan, 23 Jan 1949, A.E. Brookes (NZAC)
- SD 20[♂] Stephens I., 19 May 1950, R.R. Forster ~~(NZAC)~~ (CMNZ)
- SD 10[♂] " " 9 Aug 1960, P.M. Johns (CMNZ)
- NN 10[♂] ✓ Riwaka Valley, Jan 1949, A.E. Brookes (NZAC)
- N/W 10[♂] ✓ Manawatu Gorge, 12 Dec 1948, " " (NZAC)
- WN 10[♂] ✓ Rona Bay Wgh, 20 Aug 1918, A.C. O'Connor (NZAC)
- SD 10[♂] ✓ D'Urville I., Oct 1942, A.C. O'Connor (NZAC)
- NN 20[♂] ✓ Titahi Bay, Jun 1916, " " (NZAC)
- MC 1 spec. ✓ (damaged) Kowhai Bush, Cant., 1 Mar 1965, N.A. Walker (NZAC)
- SD ✓ 1 ♀ Chetwode Is, 15-16 Jan 1964, E.S. Gourelay (NZAC)
- SD ✓ 1 ♀ D'Urville I., Kopowai, Apr 1971, F. Alack, litter 71/101 (NZAC)
- NN ✓ 1 ♀ Tonga I., Tasman Bay, 30 Jul 1965, G.W. Ramsay, long litter (NZAC)
- KA ✓ 1 ♀ Rakautara, Kaikoura, 24 Oct 1962, J.I. Townsend + A.C. Eyles (NZAC)
- 1 ♀ no data except "2218" (Brown H/W) (NZAC)
- SD ✓ 2 ♀ D'Urville, 22 Mar 1942, E.S. Gourelay (NZAC)

670[♂] 1 spec, 57 ♀

Dysnocryptus pallidus

- NN 10[♂], 1♀ ✓ Titahi Bay, Dec 1918 coll? (NZAC)
- NA 10[♂], 1♀ ✓ Otarua, Marlborough, Dec 1918, A.C. O'Connor (NMNZ)
- JN 10[♂], 1♀ ✓ Titahi Bay, 7 Dec 1918, A.C. O'Connor (NMNZ)
- JN 10[♂], 1♀ ✓ " " Jun 1916 " " (NMNZ)
- JA 20[♂], 1♀ ✓ Otandaia, Marlborough, Sep 1919, A.C. O'Connor (NMNZ)
- NN 20[♂], 1♀ ✓ (325a, b, c) Titahi Bay, Dec 1918, A.C. O'Connor (NMNZ)
- NI 1♀ ✓ (325d), Ashurst, 5 Feb 1924 ~~Hudson~~ G.U. Hudson (NMNZ)
- UN 40[♂], 1♀ ✓ (325e, f), Titahi Bay, Jan 1919, G.U. Hudson (NMNZ)
- JN 10[♂], 1♀ ✓ HOLOTYPE "2218", "Wellington", "NZBC BMNH etc.", "Dysnocryptus pallidus [Broms H/W], "♀", Hol label aff. BAH, Aug 1965 (BMNH)
- JN? 10[♂], 1♀ ✓ HOLOTYPE setigerus "4244" "NZBC etc", "Titahi Bay", "10-8-1916", "Dysnocryptus setigerus" [Broms H/W], "♀" Hol label aff. BAH Sep 1965 (BMNH)
- * JN 10[♂], 1♀ ✓ Titahi Bay, 21-8-1916, "4244", NZBC etc, "Dysn. var setarius (BH/W) (BMNH)
- MC 10[♂], 1♀ ✓ 95[♂] 100[♀] Governors Bay, Banks Peninsula, 1 Jan 1981, PM Johns (PMJ Collⁿ)
- SD 10[♂], 1♀ ✓ Nakuwaita, Chetwode Is, 29 Jan 1956, litter, L.P. Hughson (UCNZ)

Dysnocryptus pallidus

Total examined: Holotype of pallidus, holotype of setigerus, 76 ♂, 65 ♀,
1 specimen (BMNH, CMNZ, NMNZ, NZAC).

Distribution: North Island - WI, WN; South I. - NN, SD including
Stephens Island, D'Urville, Chetwood I., KA, MC. Near sea
level to about 500 m. Northernmost record: Ashhurst, WI;
southernmost record: Pukeatua^{Bush}, Banks Peninsula, MC.

Seasonality: Throughout the year.

Plant Associations: Has not been reared. Adults have been extracted from
leaf litter and beaten in considerable numbers from dead
Lonicera sp (Caprifoliaceae).

Dysnocryptus pilicornis Brown

All from Chatham Islands

- 1 ♀ Lectotype, Pitt Island, T. Hall (NZAC)
 1 ♀ Sisters I., 29 Jan 1954, leaf-miner, R.R. Forster (CMNZ)
 20♂, 7♀ Waitangi, Chatham I., 12 Feb 1967, in forest at night, G. Kuschel (NZAC)
 20♂, 3♀ " " 13 Feb 1967, at night, G. Kuschel (NZAC)
 20♂, 2♀ " " 9 Feb 1967, litter, G. Kuschel (NZAC)
 1 ♀ " " 15 Feb 1967, night collecting, G. Kuschel (NZAC)
 130♂, 12♀ South East Island, 9 Nov 1970, J.I. Townsend, Muehlenbeckia australis (NZAC)
 3♀ " " " 2 Nov 1970 - - - beating (NZAC)
 10♂ " " " 9 Nov 1970 - - - beating (NZAC)
 1 ♀ " " " 90m, 11 Nov 1970 - - - litter 70/173 (NZAC)
 10♂ " " " 3 Nov 1970, " " Myoporum laetum (NZAC)
 160♂, 12♀ Limestone Quarry, Chatham I., litter, A.K. Walker & G. Kuschel, G. Ramsay, 11 Feb 1967 (NZAC)
 1 ♀ Waitangi wharf cliffs, 11 Feb 1967, G.W. Ramsay, (NZAC)
 2 ♀ Limestone Quarry, em 6 Nov 1967, REARED W67/4 (NZAC)
 10♂, 1 ♀ Kaingaroa, 28 Feb 1967, litter, A.K. Walker (NZAC)
 1 ♀ " " " beating, Chatham Is Exped (NZAC)
 30♂, 3♀ Rotoparaoa, Chatham I., 12 Feb 1967, litter, A.K. Walker, G. Kuschel (NZAC)
 3♀ Tupurangi Bush, Pitt I., 27 Feb 1967, Chatham Is Exped (NZAC)
 10♂, 1 ♀ Port Munning, Kaingaroa, 28 Feb 1967, A.K. Walker, litter (NZAC)
 1 ♀ Hapupu 27 Feb 1967, Karaka, G.W. Ramsay (NZAC)
 1 ♀ Waikato Pt, 11 Feb 1967, G. Kuschel (NZAC)
 10♂ 2 Mile Bush, Waitangi, 5 Mar 1967, A.K. Walker, litter (NZAC)
 30♂, 1 ♀ Pitt Island, 16-26 Jan 1944, E.S. Gounlay (NZAC)
 1 ♀ Chatham I., 26-30 Jan 1944 - - - (NZAC)
 1 ♀ " Islands, Jan 1938, Mrs W.G. Mitchell (NZAC)
 1 ♀ Pitt I., Chatham Is, T. Hall, Paralectotype label aff. B.A.H., Aug. 1965 (BMNH)

LECT, 460♂ 60♀

Dysmocyptus pilicornis

Total examined: Lectotype, 46♂, 60♀ (BMNH, CMNZ, NZAC).

Distribution: All from Chatham Is - Pitt I., Sisters I., Chatham I., Southeast I. Sea level & about 140m.

Seasonality: Jan^{Feb} - Mar, inclusive, November.

Plant Associations: Has been reared from dead branches of Pseudopanax chathamica (Araliaceae). Adults have been beaten from various plants and extracted from leaf litter and beaten in considerable numbers from Muehlenbeckia australis (Polygonaceae).

Dysnoecryptus rugosus

AK ✓ 4♂, 2♀	Wattle Bay, Lynfield, 18 Mar 1979, on <u>Gahnia</u> <i>lucera</i>	G. Kuschel (NZAC)
AK ✓ 6♂, 4♀	" " " " " " on <u>Cortaderia</u>	G. Kuschel (NZAC)
AK ✓ 1♂	" " " " 17 Mar 1979, on <u>Amanita</u>	G. Kuschel (NZAC)
AK ✓ 2♀	" " " " 3 Oct 1976, coastal,	G. Kuschel (NZAC)
AK ✓ 1♀	Waitakere Ra, 25 Sep 1948, A.E. Brookes	(NZAC)
ND ✓ 1♀	Pekurau, Mangonui, Nov 1918, A.E. Brookes	(NZAC) Leafmould
— 1♀	no data except <u>Anthrribus rugosus</u> (Burns 1/11) + "866" on green label	(UCNZ)
AK ✓ 2♂	Tropicana Drive, Lynfield, 9 Jun 1974, G. Kuschel	(NZAC)
AK ✓ 1♂	" " " " 2 Nov 1974	(NZAC)
AK ✓ 2♀	Lynfield 12 Feb 1975	(NZAC)
AK 2♂, 2♀	" " " " 10 May 1975	litter 75/108 (NZAC)
AK 1♀	" " " " 23 Aug 1975,	moss in paddock (NZAC)
AK 1♀	" " " " Sep 1974	(NZAC)
AK ✓ 1♀	" " " " 10 May 1975	dead <u>Cyathea</u> fronds (NZAC)
AK ✓ 1♀	Riverhead, 12 Jul 1966, R.A. Cumber, leaf litter	(NZAC)
ND ✓ 1♀	Waiare, 19 Sep 1958	(NZAC)
AK 1♂ ✓	Makehu Strm, 28 Dec 1972, B.M. May, litter 73/4	(NZAC)
AK ✓ 1♂, 2♀	Titirangi, 9 Oct 1935, E.S. Gourlay	(NZAC)
✓ 6♂, 1♀	Wattle Bay, Lynfield, 25 Mar 1979, G. Kuschel, on <u>Freycinetia</u>	(NZAC)
✓ 5♂, 3♀	Lynfield 10 May 1975, G. Kuschel, on dead <u>Cyathea</u> fronds	(NZAC)
✓ 1♂, 1♀	" " " " 26 Jul 1975	<u>Cyathea</u> trunk (NZAC)
✓ 1♂, 1♀	" " " " 27 Jul 1974	ex <u>Freycinetia</u> (NZAC)
CL ✓ 1♂	Coromandel, 23 Mar 1977	Rottew wood (NZAC)
ND ✓ 2♀	Waikare, 24 Sep 1960 R.A. Cumber	(NZAC)
AK ✓ 1♂ ✓	Lynfield, 4 Jun 1979, G. Kuschel	(NZAC)
1♂ ✓	" " " " 6 Feb 1976	ex <u>Carex</u> v <u>Uncinia</u> (NZAC)
1♂ ✓	" " " " 7 Dec 1975	base of tussock (NZAC)
1♀ ✓	" " " " 7 Feb 1976	(NZAC)
1♂ ✓	" " " " 8 Mar 1975	(NZAC)
1♀ ✓	" " " " 6 Jun 1975	in bush (NZAC)
1♂ ✓	" " " " 28 Aug 1976	litter (NZAC)
1♂ ✓	" " " " 2 Jun 1975	on <u>Cortaderia</u> (NZAC)
1♂ ✓	" " " " 11 Sep 1976	beating <u>Gahnia</u> (NZAC)
1♀ ✓	" " " " 10 Oct 1975	<u>Carex/Uncinia</u> litter (NZAC)
1♀ ✓	" " " " 31 Jul 1976	(NZAC)
1♂ ✓	" " " " 18 Jul 1976	(NZAC)
1♀ ✓	" " " " 13 Apr 1975	(NZAC)
1♀ ✓	" " " " 29 Jan 1977	coastal (NZAC)
1♀ ✓	" " " " 17 Jul 1977	base of <u>Gahnia</u> (NZAC)
1♀ ✓	" " " " 2 Jan 1977	ex <u>Mariscus/Phormium</u> (NZAC)
1♀ ✓	" " " " 28 Aug 1977	litter (NZAC)
1♀ ✓	Murphy's Bush, Otara, 30 Mar 1977,	litter (NZAC)

Dysnoctyphus rugosus

- AK ♂ 10⁷ ? Walker Bush Track, 5 Nov 1976, A.K. Walker, Sweeping (NZAC)
- ND ✓ 10 Maungaturoto, 29 Sep 1958, R.A. Cumber (NZAC)
- AK ✓ 10 probably, Howick Brown CSU (BMNH)
- CL 10⁷ ✓ 10 Tairua Brown (BMNH)
- AK 10⁷ ✓ 10 Tuakau Brown (BMNH)
- ~~10 Waitakere Holo~~
- AK ✓ 10 Waitakere HOLOTYPE plagiatus, Brown, Hol label aff BATH, Aug 1965 (BMNH)
- ND 01 ✓ 10 Kerikeri, 23-2-16, [as plagiatus] (BMNH)
- ND ✓ 10 Parua, [as ruan plagiatus] (BMNH)
- AK ✓ 10 Northcote HOLOTYPE nigricans, Dysnoctyphus nigricans [BH/W] Hol Label (BMNH)
- ? ND ✓ 10 ^{affixed BATH Aug 1965} ^{prob Pekurau, MBG 1965} Pararau, 19-5-18, BMNH [as nigricans]
- 30⁷ 60, 2 HOLS.
- AK ✓ 10⁷ Lynfield, 27 Mar 1977, Gahnia litta, G. Kuschel (NZAC)
- AK 10 .. 27 Jul 1974, on Freyinetia .. (NZAC)
- AK 10 .. 2 Jun 1975, on Cortaderia .. (NZAC)
- AR 10 HOLOTYPE of rugosus (NZ) (BMNH)
- 10 HOLOTYPE of rugosus (NZ) (BMNH)

Dysnocryptus rugosus45 48
~~44~~

Total specs examined: Holotype of nigricans & of plagiatus, ~~440~~⁷, ~~450~~⁹ (NZAC, BMNH ~~U~~ UCNZ)

DISTRIBUTION: North Island — ND, AK, CL. Near sea level to about 300 m. Northernmost record: Mangonui, ND; Southernmost record: Tuakau, AK.

SEASONALITY: Adults have been taken throughout the year.

PLANT ASSOCIATIONS: Has ~~not~~ been reared. Adults have been extracted from leaf litter & beetles ^{and found} from Galunia sp (Cyperaceae); Cortaderia sp (Gramineae); Cyathea ~~fruits~~ (Cyatheaceae); Freyinetia (Pandanaeae). ^{from Galunia lacera stems,}

Etnalis obkusus (Sharp 1886)

- NN ✓ 2 ♀ Wāngapeka Valley, 25 Nov 1934, E.S. Gourlay (ED)
 NN ✓ 1 ♂ Aorere Valley, Keaphy Track, 3 Dec 1971, G. Kuschel (ED)
 NN ✓ 3 ♂ Ruby Bay, Nelson, 23 Nov 1963, G. Kuschel (ED)
 NN ✓ 1 ♀ Maitai Valley, 17 Feb 1965, on Hebe stricta J.I. Townsend (ED)
 VM ✓ 1 ♂ Nelson City 2 Jan 1966, B.A. Holloway (ED)
 NN ✓ 1 ♂ Kawatiri 20 Jan 1935, E.S. Gourlay (ED)
 NN ✓ 1 ♀ Roughl., 24 Jan 1976, A.K. Walker, bearing native vegetⁿ (ED)
 NN ✓ 1 ♂ Nelson, E.S. Gourlay, 18 Dec 1951 (ED)
 NN ✓ 1 ♂ Eves Valley, Nelson 24 Nov 1972, G. Kuschel (ED)
 NN ✓ 2 ♂ Roding Valley above dam, emv 5 Oct 1967 from Coriaria arborea galls
 collected 27 Jul 1967, J.C. Watt [REARED] (ED)
 NN ✓ 1 ♀ Roding Valley above dam, emv 2 Oct 1967 from Coriaria arborea coll
 27 Jul 1967, J.S. Dugdale [REARED] (ED)
 NN ✓ 1 ♀ Dun Mt Nelson Apr 1919, A.C. O'Connor (NM)
 NN ✓ 1 ♀ Dun Mt 2 Jan 1939, S. Lindsay (CM)
 N/SD ✓ 2 ♂ (255) Rai Valley S.F., Nelson, J.G.R. McBurney emv 4 Aug 1962 ex Coprosma sp
 coll 9 May 1962 [REARED] (FRI)
 N/SD ✓ 1 ♀ (242) Rai V. S.F. J.G.R. McBurney, emv 24 Aug 1962 ex Coprosma sp
 coll 9 May 1962 [REARED] (FRI)
 N/SD ✓ 1 spec. (256) - as for #242 (FRI) Returned Sep 1969.
 NN ✓ 1 ♂ Wairoa Gorge, 30 Oct 1969, G. Kuschel (ED)
Total specs examined: 22 (CM, ED, FRI, NM)

Localities Nelson & Marlborough Sounds from sea level to about 610 m. Northernmost record Aorere Valley NN
 Southernmost record near Kawatiri NN
Seasonal Records Oct - Feb, April, August.

Plant Associations: Reared from galls on Coriaria arborea (Coriariaceae).
Coprosma sp. (Rubiaceae). ~~Hebe~~

13 ♂ 8 ♀ 1 unsexed.

Etnalis spiniicollis Sharp 1873

- MC ✓ 2♀ Mt Hutt 1066m, on Hebe, 10-12 Dec. 1973, A.C. Eyles (ED)
- NN ✓ 3♀ Aniseed Valley, 13 Nov 1972, G. Kuschel (ED)
- BR ✓ 1♀ ^{Manapouri S.F.} Mawhara; 10 Nov 1971, G. Kuschel (ED) BFUP
- MC ✓ 1♀ McClellans, Mt Hutt, 11 Dec 1973, G. Kuschel (ED)
- NN ✓ 1♂ Aniseed Valley, 25 Oct 1972, G. Kuschel (ED)
- FD/OL ✓ 2♂, 1♀ Hollyford Rd, 10 Dec 1966, A.K. Walker, General Beating (ED)
- SI ✓ 5♀ Rakeahua Valley, Feb 1968, G. Kuschel, Beating (ED)
- NN ✓ 1♀ Dun Mt 760m, 6 Feb 1973, J. McBurney (ED)
- BR ✓ 1♀ Big River Rd, Taupohai S.F. Reefton, 24 Jan 1972, J.S. Dugdale BFUP (ED)
- SD ✓ 1♂, Port Underwood, Marlborough 17 Dec 1968, J.C. Watt, beating, (ED)
- NN ✓ 1♂ Westport, 9 Oct 1969, J.I. Townsend (ED)
- NN ✓ 1♂ Kohoka lakes, Westhaven, 28 Oct 1965, J.I. Townsend, ^{ex} Dacryd. intermedium (ED)
- SI ✓ 2♀ Pegasus, 21-25 Feb 1968, G. Kuschel (ED)
- SI ✓ 1♂ Big S. Cape I. off SW Stewart I., Moor 120-200m, Nov 1968, J.S. Dugdale (ED)
- JN ✓ 2♀ Aniseed Valley, 21 Oct 1972, G. Kuschel, on and Nothof. solandri (ED)
- NN ✓ 4♀ Eves Valley, 30 Oct 1972, G. Kuschel (ED)
- NN ✓ 1♀ " " 24 Nov 1972 " " (ED)
- NN ✓ 2♂ Maitai Valley, 16 Dec 1972, G. Kuschel (ED)
- NN ✓ 1♀ " " 10 Dec 1972 " " (ED) on Sophora microphylla
- NN ✓ 1♀ " " " " " " (ED) on Coprosma australis
- NN ✓ 1♂ Maitai, Nelson 14 Nov 1969, G. Kuschel (ED)
- BR ✓ 1♀ Lewis Pass, 18-24 Nov 1961, G. Kuschel (ED)
- NN ✓ 1♂ Foot of Mt Burnett, Collingwood, 26 Oct 1965, J.I. Townsend, on Podocarpus (ED)
- 3R ✓ 1♂ Lewis Pass, 3500', 8-12 Dec 1957, E.S. Gourelay (ED)
- NN ✓ 1♂ Waimea CR, Westport 6 Oct 1969, J.I. Townsend (ED)
- FD ✓ 1♀ West Arm 183m, Manapouri, Jan 1970, J. Dugdale (ED)
- NN ✓ 1♀ Whangamoa, 700', 29 Nov 1963, G. Kuschel, on Neopanax arboreum (ED)
- VN ✓ 2♂, Waimangaroa < 500', 7 Oct 1969, Coll? (ED)
- NN ✓ 1♀ Flora Track, Nelson, 4-5 Nov 1969, B.M. May, on Nothofagus (ED)
- NN ✓ 1♂ River Track, Tararua Ra, 600m, 14 Nov 1968, S. Edridge, ^{Sweeping} ~~beating~~ in beech forest (ED)
- NN ✓ 1♀ Moss's Bush, Riwaka U., 20 Nov 1969, J.S. Dugdale (ED)
- JN ✓ 1♂, Whangamoa, Nelson, 5 Oct 1964, J.I. Townsend, on Pittosporum (ED)
- JN ✓ 1♀ Dun Mt, 2070', 28 Nov 1943, E.S. Gourelay (ED)
- SI ✓ 1♂ Big S. Cape I., SW Stewart I., Nov 1968, G. Kuschel (ED) beating.

Etnahis spinicollis Sharp

- SI 2♀ ✓ Big S. Cape I. (NE), S.W Stewart I., Feb 1969, BA Kuschel (ED)
- NN 2♀ ✓ Riwaka, Nelson, 30 Oct 1969, G. Kuschel, on Coprosma (ED)
- FD/OL 1♂ ✓ Hollyford Rd., 10 Dec 1966, AK Walker, beating (ED)
- NN 1♀ ✓ Maitai Valley, 22 Nov 1957, J. I. Townsend (ED)
- SD/MB 1♂ ✓ Pelorus Bridge, 7 Aug 1957, J. I. Townsend (ED)
- VN 1♀ ✓ Kaihoka Lakes, 10 Jan 1966, AK Walker (ED)
- JN 9♂, 3♀ ✓ Kaihoka Lakes, West Haven, 28 Oct 1965, J. I. Townsend (ED)
- JN 1♂ ✓ on Dacryd. intermedium (ED)
- JN 3♂ ✓ Ft of Mt. Burnett, Collingwood, 25 Oct 1965, ^{J. I. Townsend} ~~L. P. Marchant~~, on Podocarpus (ED)
- D/MB 1♂ ✓ Pelorus Bridge Reserve, 19 Oct 1963, G. Kuschel (ED)
- JN 1♂ ✓ Puramahoi, Collingwood, 25 Oct 1965, J. I. Townsend (ED)
- TO 1♂ ✓ Raurimu, Taumarunui, 21 Nov 1965, 2500', L. P. Marchant (ED)
- 3R 1♂, 3♀ ✓ Lewis Pass, 18-24 Nov 1961, G. Kuschel (ED)
- JN 1♀ ✓ Dun Mt, 15 Dec 1962, G. Kuschel + BA. Holloway (ED)
- D/OL 3♂ ✓ Cascade CR, Eglinton Val., 30 Oct 1966, J. I. Townsend (ED)
- TO 1♀ ✓ Start of track to Ketetahi Springs, 30 Nov 1965, L. P. Marchant, beating, (ED)
- VN 1♂ ✓ Oparara River, 13-19 Nov 1957, J. I. Townsend (ED)
- NN 1♂ ✓ Dennistown, 550', 1 Nov 1965, J. I. Townsend + AC. Eyles, forest litter, (ED)
- VN 1♀ ✓ Dun Mt, 2500', 13 Nov. 1961, G. Kuschel, (ED)
- BP 1♀ ✓ Blue Lake, Rotorua, 23 Jan 1960, J. I. Townsend + R. Zondag (ED)
- 3R 1♀ ✓ Lewis Pass, 18-24 Nov 1961, G. Kuschel, on Nothofagus (ED)
- NC 1♀ ✓ Mt Grey, 16 Jan 1958, E. S. Gourlay (ED)
- VN 1♀ ✓ Reservoir, Nelson, 20 Dec 1956, E. S. Gourlay (ED)
- NN 1♂ ✓ Kanga-peka Valley, 2 Dec 1934, E. S. Gourlay (ED)
- NN 1♂ ✓ Upper Maitai, 14 Oct 1959, E. S. Gourlay (ED)
- AK 1♀ ✓ Papakura, 19 Oct 1935, E. S. Gourlay (ED)
- D ✓ 1♂ ✓ Reservoir Reserve, Picton 22 Sep 1955, Moss from bush, J. I. Townsend (ED)
- NN ✓ 1♂, 1♀ ✓ Kaihoka, 7 Nov 1937, E. S. Gourlay (ED)
- WN ✓ 1♀ ✓ Makara, Wellington 6 Feb 1963, D. N. Edwards (ED)
- MC ✓ 1♀ ✓ Moa Basin, ^{Lin Wilberforce Valley} Canterbury 20 Oct 1912, T. Hall (ED)
- VN ✓ 1♀ ✓ Canaan, Nelson 17-26 Jan 1949, A. E. Brookes (ED)
- MC ✓ 1♀ ✓ Point Hill, W. of Mt Algidus, Dec 1913, T. Hall (ED)
- MC ✓ 1♀ ✓ Hilltop, ^{Banks Peninsula} 22 Jan 1958, E. S. Gourlay (ED)

Etnalis spinicollis Sharp

- AK ✓ 2 ♂ Maketu, Hunua Ra., Brown Coll. (ED)
- TO 1 ♀ ✓ Ohakune, 18 Dec 1961, G. Kuschel (ED)
- MC 1 ♂ ✓ Mt Algidus, 3 Dec 1913, T. Hall (ED)
- 1 ♀ ✓ T. Brown Dup Coll. no data (ED)
- NN 1 ♀ ✓ Oparara, 13-19 Nov 1957, M.J. Esson (ED)
- NN 1 ♂ ✓ Aniseed Valley, 29 Dec 1935, E.S. Gourlay (ED)
- + ~~Mt Farnham, ex Brown Coll. (ED)~~
- 1 ♂ ✓ T. Brown Coll. no data (ED)
- MC 1 ♂ ✓ Scarcliff, near Methven, 20 Oct 1915, T. Hall (ED)
- BP ✓ 1 ♀ Motu River, 12 Nov 1928 (ED)
- NN ✓ 1 ♀, Awara Inlet, W. Nelson 5 Feb 1949, A.E. Brookes (ED) DRAWN D. HELMORE 21.2.79
- MC ✓ 1 ♂ ^{near Mt Hutt} McLennan's Bush 9-10 Dec 1941, E.S. Gourlay (ED)
- AB/SD ✓ 1 ♀ Pelorus Bridge 8 Dec 1963, B.A. Holloway (ED)
- BR ✓ 1 ♀ Abaura, 24 Jan 1935, E.S. Gourlay (ED)
- NN ✓ 1 ♂ Dun Mt. 2000', 29 Oct 1928, A. Philpott (ED)
- SL ✓ 1 ♀ Tisbury, 21 Oct 1915 (ED)
- SL ✓ 1 ♀ " 12 Dec 1916 (ED)
- NN ✓ 1 ♀ Aniseed Valley, 4 Dec 1923 (ED)
- + ~~Nelson, 18 Dec 1951, E.S. Gourlay (ED)~~
- NN ✓ 1 ♀, Whangamoa Saddle, Nelson 20 Dec 1963, B.A. Holloway (ED)
- ✓ 2 ♂, T. Brown Coll. no data (ED)
- ✓ 1 ♀, no data (ED)
- NN ✓ 1 ♂ Dun Mt Nelson 29 Oct 1924, A. Philpott (ED)
- NN 4 ♂ Quartz Range ^[= Apere] Nov 1941, A.C. O'Connor (ED)
- NN ✓ 1 ♀ Tarakohe, Takaka Jan 1946, A.C. O'Connor (ED)
- NC? 1 ♀ Coopers Creek, 6 Dec 1948, R.R. Forster (CM)
- ND ✓ 2 ♀ Waiho, 29 Dec 1939, S. Lindsay (CM)
- BR ✓ 1 ♂ Maruia Springs, 5 Jan 1940, S. Lindsay (CM)
- NC ✓ 1 ♀ Mt Grey 4 Feb 1920, S. Lindsay (CM)
- MC? ^[? Nobbs] NC ✓ 1 ♂ Coopers Nobbs 15 Nov 1924, S. Lindsay (CM)
- BR 1 ♀ ^[= Brunner] Lake Moana, 16-21 Dec 1925, A. Tonnoir (CM)
- NN ✓ 1 ♂ Dun Mt 2000' 18 Nov 1920, A. Philpott (ED)
- ✓ 1 ♂, 1 ♀, Wakefield Coll. no data (CM)

Etnalis spinicollis Sharp.

- BR 1♂[✓] Lake Brunner, 5 Nov 1937, Allen (ZDCU)
 - 1♀[✓] No data (ZDCU)
 SL 1♀[✓] Haldane, Southland, 24 Jan 1947, C.E. Clarke (AM)
 - 1♀ No details (ED)
 SL 10♂[✓] West Plains, no other data (ED)
 DN 10♂[✓] ^{Pr: 1842} Mihiwaka, Jan 1904, Lewis (NM)
 - 10♂, 10♀, no data (NM)
 WN 1♀[✓] Silverstream Hill, 14 Nov 1908, coll? (NM)
 WN 1♀[✓] Titahi Bay, 3 Jan 1909, coll? (NM)
 WN 10♂[✓] Haywards, 25 Oct 1908, A.C. O'Connor (NM)
 WN 20♂[✓] Levin, 7 Nov 1908, A.C. O'Connor (NM)
 WN 1♀[✓] Silverstream, 24 Oct 1909, A.C. O'Connor (NM)
 WN 1♀[✓] ^{Hudson} (1130 g) Makara Bush, 19 Nov 1921 G.V. Hudson (NM)
 WN 1♀[✓] (1130 h) Gollans Valley 14 Dec 1921 - - - (NM)
 WN 1♀[✓] (1130 k) Wiltons Bush, 23 Dec 1922, . . . (NM)
 WN 1♀[✓] (1130 l) Waimiomata 6 Dec 1921 . . . (NM)
 WN 1♀[✓] (1130 m) Makara Bush, 24 Oct 1922 . . . (NM)
 WD 1♀[✓] (1130 n) Waibo River, 16 Jan 1937, . . . (NM)
 NN 1♀[✓] (1130 p+s) Wiltons Bush, 10 Nov 1939, - - - (NM)
 NN 1♂[✓] (1130 q) Korokoro 20 Nov 1937 . . . (NM)
 ND 1♀[✓] (1130 r) Waibo River, 26 Jan 1938 . . . (NM)
 WN 1♂[✓] (1130 t) Wiltons Bush, Dec 1938² . . . (NM).
 TO 2♂[✓] (238) Murupara, D. Bartram, 5 Oct 1962 (FRI)
 MC 1♀[✓] (244) Port Levy, R.M.J. McKenzie 28 Nov 1962 (FRI)
 TO 1♀[✓] (233) Taurewa S.F. National Park, 22 Nov 1961 M.A. Stoodley, on Coprosma (FRI)
 BR 1♀[✓] (237) Reefton District, 23 Dec 1957, L.W. Newman, on Notofagus menziesii (FRI)
 BR 1♂[✓] (235) Reefton District, Nov 1957, L.W. Newman (FRI)
 BR 1♀[✓] (239) Reefton " 28 Jan 1958, " " (FRI)
 BR 1♀[✓] (236) Reefton District 28 Jan 1958 . . . (FRI)
 SI 1♀[✓] (245) Stewart I, 19 Nov 1964, D.J. Kershaw (FRI)
 BR 1♀[✓] (240) Reefton District 28 Jan 1958, L.W. Newman (FRI)
 MC 1♀[✓] (243) Alford Forest 18 Jun 1959, R.M.J. McKenzie (FRI) **REARED** Coprosma sp
 BR 1♀[✓] (234) Reefton, 30 Jun 1960, L.W. Newman (FRI) **REARED** Coprosma sp

Etnalis spinicollis

- HBV 1♂ (FRI 161) Pataramui S.F., Hawkes Bay 13 Oct 1960 (FRI)
- BP ✓ 1♂ (FRI A) Whaka S.F., 9 Jan 1953, R. Zondag (FRI)
- BP ✓ 1♀ (FRI 121) Whakarewarewa S.F., 8 Nov 1958 R. Zondag (FRI)
- WN ✓ 1♂ (FRI C) Butler ^[Creek] Ly/Res. 5 Nov 1938 (FRI)
- BP ✓ 1♀ (FRI D) Whaka S.F. 9 Jan 1953, R. Zondag (FRI)
- BP ✓ 1♀ (FRI G) " " 17 Dec 1948, N.M.W. (FRI)
- BP ✓ 1♂ (FRI F) " " 14 Oct 1948 N.M.W. (FRI)
- BP ✓ 1♂ (FRI E) " " 8 Nov 1948 R. Zondag (FRI)
- BP ✓ 1♀ (FRI 119) Matahina, Bay of Plenty 28 Nov 1958 (FRI)
- BP ✓ 1♀ (FRI 120) Blue Lake, nr Rotoma, 6 Dec 1956, J.S. Dugdale (FRI)
- BP ✓ 1♂ (FRI 118) Whakarewarewa S.F. 8 Nov 1958 R. Zondag (FRI)
- BP ✓ 1♂ (FRI 89) " S.F. 8 Nov 1958 " " (FRI)
- SDV 1♂ (FRI B) Pebbly Hills S.F. Southland 20 Nov 1958, RFC, beaten ^[Podocarpus spicatus] Ps. taxifolia (FRI)
- TO ✓ 1♀ (FRI 213) S.F. 90, E. Taupo, 11 Jan 1956 (FRI)
- TO ✓ 1♀ (FRI 214) " " " " (FRI)
- 1♀ (FRI 43) No details (FRI)
- BP ✓ 1♂ (FRI [no number]) Kaingaroa 15 Dec 1960, on Tree Fern (FRI)
- TO ✓ 1 spec (FRI 241) E. Taupo S.F. 90, 16 Jan 1960 L.W. Newman (FRI) Returned Sep. 1969.
- SL ✓ 1 spec (FRI 246) Waitau River, Tūatāpene, R.F. McCormack 15 Oct 1959 FRI REARED Fuchsia excorticata Returned Sep 1969.
- AK ✓ 1♂ Whangarata Brown (BM)
- BR ✓ 1♂, 7 mile Creek, Greymouth, Brown (BM)
- 2♂ no data Brown collⁿ (BM)
- CL ✓ 1♀, Tairua, Brown (BM)
- DN ✓ 1♀, Moeraki Gorge Brown (BM)
- AK ✓ 1♀, Waitakere Brown (BM)
- VN ✓ 1♀, Roding R. Valley 23 Oct 1972, B.A. Holloway (ED)
- AK ✓ 1♂ Lynfield, 14 Sep 1974, G. Kuschel (ED)
- AK ✓ 1♀ Lynfield 2 Oct 1976, G. Kuschel, under Gahnia lacera (ED)
- AK ✓ 1♂ Riverhead S.F., 18 Oct 1956, D.E. Laubman (FRNZ) [on cane with helaera]
- SI ✓ 1♀, Rakiura Motel, 4 Feb 1981, BIP Barratt, beaten tree fern Returned to collector.
- MC ✓ 1♂ ~~Peel Forest~~ ^{Deer} Peel Forest, ~~Deep~~ Spur 457-762m, 6 Nov 1979, J.C. Watt, beaten at night (NZAC)
- MC ✓ 2♂ ✓ 1♀ " " Blandswood, 5-7 Nov 1979 " " Malaise trap (NZAC)
- BR ✓ 1♂, 1♀ Mawhera S.F. 11 Nov 1971, J.Mc Burney (BFUP)

Etnalis spinicollis Sharp 1873

Total specs examined ~~267~~ ²²⁴ (AM, BM, CM, ED, FRI, NM, ZDCU).
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Localities North I (AK, CL, BP, TO, HB, WN), ~~South I.~~ South I. (NN, SD, MB, BR, NC, WD, MC, OL, FD, DN, SL) and Stewart I including Big South Cape I. ^{Riverhead S.I.} from sea level to 1067m. Northernmost record: ~~Waikatoa Riv.~~ (AK)
Southernmost record: Big S. Cape I. (SI.)

Seasonal Records ~~Oct, Feb, Apr, August~~. August - Feb, June.

Plant Associations: ~~Has been~~ Reared from Coprosma sp (Rubiaceae); Fuchsia excorticata (Onagraceae). Has been beaten from wide range of native trees & shrubs Sophora microphylla (Papilionaceae); Dacrydium intermedium (Podocarpaceae); Nothofagus solandri (Fagaceae); Coprosma australis (Rubiaceae); Podocarpus sp (Podocarpaceae); Neopanax arboreum (Araliaceae); Pittosporum sp (Pittosporaceae); Nothofagus menziesii Ps? ^{prub.} Podocarpus taxifolia prub. (spicatus.)

WD 1 spec. Waikato Gorge G. Ulmer, no date (pre 1948) BMNH.

MC 1 spec. Mt Algidus CE Clarke pre 1957 (BMNH)

MC 1 spec. Akaroa, CE Clarke pre 1957 (BMNH)

WO 1 spec. Waiomo CE Clarke, pre 1957 (BMNH)

Additional Records

BR ✓ 1 ♀, L. Rotorua, 4 Feb 1978, AK Walker, ^{beating} bush beside lake shore, (NZAC)

MC ✓ 1 ♀ W of Stavelly, Highway 72, 2 Dec 1977, E. Schlinger, Nothofagus forest (NZAC)

AK ✓ 1 ♀ Mangatangi V, Hunua Ra, 20 Dec 1980, BM May ^{beaten} Nothof. truncata (NZAC)

SD ✓ 1 ♀ Tuna Bay, Tennyson Inlet, 2 Feb 1978, AK Walker (NZAC)

NN ✓ 1 ♀ Kaihoka, 7 Nov 1937, F S Gourlay (NZAC)

MC ✓ 2 specs Deans Bush, 22 Dec 1949, J.S. Dugdale (PM Johns Coll²)

MC ✓ 2 specs Peraki Saddle, Banks Penin, 11 Dec 1980 (PM Johns)

NC ✓ 1 spec Middle Bush, Cass, 22 Nov 1978, Nothofagus, PM Johns (PM J. Coll²)

WD ✓ 1 spec. Wangamui R. Mouth, Harihari, 30 Dec⁷⁶ 4 Jan 1977, P.M. Johns (PM J. Coll²)

NN ✓ 1 spec Brooklyn V. Mokeka 19 Jan 1969, K.J.G. (PM Johns Coll²)

WN ✓ 11 specs Wellington (Gollans Wiltons) 1940, G. Ulmer (BMNH)

BP ✓ 4 specs Ngongotahi, Rotorua, pre 1913, H. Swale (BMNH)

Euciodes

SPECS EXAM. ①

Euciodes suturalis Pascoe 1866

- MC ✓ 15♂ 10♀ Taylors Mistake, Ch Ch, 13 Dec 1973, R.L.C. Pilgrim & D.S. Horning (NZAC)
BR ✓ 2♂ 1♀ Mt Robert 1340m, 16 Jan 1976, A.K. Walker, sweeping tussock (NZAC)
NN ✓ 7♂ 10♀ Waiamea West, 13-23 Nov 1964, B.A. Holloway, on dead cordfoot stalks (")
CO ✓ 1♂ 1♀ Sandflat Rd, Cromwell, 19 Nov 1974, J.S. Dugdale, in Festuca (")
NN ✓ 1♂ 1♀ Saxons Rd, 14 Feb 1964, on rushes, E.S. Gourlay (NZAC)
HB ✓ 3♂ 2♀ Te Mata Pk 1210', 23 Jan 1959, B.M. May, ex pasture (NZAC)
MB ✓ 4♂ 1♀ Branch River, Wainau River, 16 Dec 1971, G. Kuschel, on Carmichaelia (NZAC)
NN ✓ 2♂ 1♀ Tahunanui Beach, 12 Jan 1976, A.K. Walker, sweeping sand dunes (NZAC)
NN ✓ 3♂ 3♀ Waiamea West, 1 Dec 1963, B.A. Holloway, on Eucalyptus posts (NZAC)
NN ✓ 2♀ Greenacres, Richmond, 22 Nov 1972, G. Kuschel (NZAC)
NN ✓ 1♂ Ruby Bay, 23 Nov 1963, G. Kuschel (NZAC)
NN ✓ 1♂ Nelson, 2 Jan 1966, B.A. Holloway (NZAC)
NN ✓ 1♂ Atawhai, 9 Jan 1967, J.B. Waller (NZAC)
NN ✓ 1♂ Motupiko, Dec 1943, (NZAC)
NN ✓ 1♂ 1♀ Mapua, 22 Jan 1934, E.E. Walker (NZAC)
NN ✓ 1♂ 1♀ Nelson, 20 Feb 1964, E.S. Gourlay (NZAC)
SD ✓ 1♀ Ridge N of Port Underwood Saddle, 3 Dec 1961, J. I. Townsend (NZAC)
NN ✓ 1♀ Sherry Valley, 17 Nov 1949, A. Carson (NZAC)
NN ✓ 1♀ Atawhai, 27 Nov 1941, A. Hamilton, from grass paddock (NZAC)
AK ✓ 1♂ Orakei, 6 Dec 1942, D. McKenzie (NZAC)
NN ✓ 1 spec. Tahunanui, 18 Nov 1928, E.S. Gourlay (NZAC)
NN ✓ 1♀ Upper Maitai, 3 Jan 1928, E.S. Gourlay (NZAC)
NN ✓ 1♂ Quebec Rd, Nelson, Aug 1963, L. Marchant (NZAC)
BR ✓ 1♂ Mt Robert, 4000', 16 Dec 1934, E.S. Gourlay (NZAC)
MB ✓ 1♀ Jollies Pass, 840m Hammer Springs, 20 Jan 1976, A.K. Walker, sweeping (NZAC)
NN ✓ 1 spec. Nelson, Dec 1942, E.E. Walker (NZAC)
NN ✓ 1♀ Mapua, 23 Feb 1943, E.E. Walker (NZAC)
TO 4♀ L. Otamangakau, Tongariro, 16 Jan 1975, J.C. Watt (NZAC)
NN ✓ 1 spec. Moutere Hills, 1 Nov 1943, A. Hamilton (NZAC)
NN ✓ 2♂ 2♀ Grampians, 2 Nov 1969, N. Martin (NZAC)
AK ✓ 1♂ Lynfield, Feb 1975, B.A. Holloway (NZAC)
NN ✓ 1♀ Maitai, 21 Dec 1949, J.G. Dawber (NZAC)
NN ✓ 1♀ Waiamea Estuary, 5 Dec 1971, J.S. Dugdale, sweeping at night (NZAC)
NN ✓ 1♀ Rabbit Island, 1 Jan 1966, G.J.H., in flight (NZAC)
AK ✓ 1♀ Lynfield, 20 Nov 1975, G. Kuschel (NZAC)
AK ✓ 1♀ " 11 Dec 1976 " " Pasture sweep (NZAC)
AK ✓ 1♀ " 2 Jan 1977 " " on Mariscus/Phormium (NZAC)
NN ✓ 1♀ Aniseed Valley, 13 Nov 1972, " " (NZAC)
NN ✓ 1♂ Eves Valley, 24 Nov 1972, " " (NZAC)
NN ✓ 4♀ Rough I., Rabbit I., 17 Nov 1972, " " (NZAC)
NN ✓ 1♂ Stoke, 3 Dec 1965, G.J.H. (NZAC)
CO ✓ 1♂ Rock Pk, 2 km E Crown Ra. Saddle 1433-63m, 27 Nov 1974, J.S. Dugdale (NZAC)

53♂ 51♀ 2 specs

Euciodes suturalis

- MB ~~10~~ 40[♂] Black Birch Ra, 1341m, 17 Feb 1970, A.C. Eyles, sweeping grass (NZAC)
- BR ✓ 10[♀] Mt Robert, 762-853m, 16 Jan 1976, AK Walker, in grass (NZAC)
- CO ✓ 20[♀] Thompson Gully Rd, Dunstan Mts, 1067m, 17 Feb 1976, G.W. Ramsay, sweeping (NZAC)
- MB ✓ 10[♀] Altimarlock Hut, 4600', 16 Feb 1970, J.S. Dugdale, to mv light (NZAC)
- CO ✓ 10[♂] Old Man Ra, 1695m, 15 km S Alexandra, 15 Feb 1976, LL Deitz (NZAC)
- DN ✓ 30[♂], 10[♀] 19 km S of Palmerston, 19 Feb 1976, LL Deitz, sweeping salt marsh (NZAC)
- CO ✓ 10[♂] Alexandra, 16 Feb 1976, LL Deitz, sweeping legumes in paddock (NZAC)
- CO ✓ 10[♀] Old Man Ra, 1067m, 15 Feb 1976, G.W. Ramsay, sweeping tussock (NZAC)
- BR ✓ 10[♀] Lake Rotoiti, 610m, 18 Jan 1976, AK Walker & AR Ferguson (NZAC)
- CO ✓ 10[♀] Carrick Ra, Watts Rock 1300m, 13 Feb 1976, LL Deitz, sweeping grassland (NZAC)
- CO ✓ 10[♂] Tuapeka County, 2 km E of Beaumont, 17 Feb 1976, G.W. Ramsay, sweeping roadside (NZAC)
- MC ✓ 10[♀] Nervous Knob, 1524m, Craigieburn Forest, 24 Feb 1976, LL Deitz, sweeping (NZAC)
- CO ✓ 10[♂] 2 km S Bannockburn, 13 Feb 1976, LL Deitz, sweeping paddock (NZAC)
- SC ✓ 30[♂], 20[♀] Opihi River, Highway 1, 21 Feb 1976, . . . sweeping (NZAC)
- SC ✓ 10[♀] Tengawai River, near Pleasant Pt, 20 km NE of Timaru, 20 Feb 1976, LL Deitz, sweeping (NZAC)
- NN ✓ 50[♂], 20[♀] Akawhai, 27 Nov 1941, #511, in grass (NZAC)
- NN ✓ 10[♂], 10[♀] . . . 24 Dec 1941, #638 . . . (NZAC)
- NN ✓ 30[♀] Tahunua, 24 Dec 1941, #559 . . . (NZAC)
- NN ✓ 20[♂], 20[♀] Aniseed [U] Hope, 9 Jan 1942, #582, in grass (NZAC)
- NN ✓ 10[♂] Riwaka, 7 Jan 1942, #615, in grass (NZAC)
- HB ✓ 90[♂], 40[♀] Hastings, 24 Nov 1921, in grass, J.G. Myers (NZAC) (= *Dactylus glomerata*)
- MC ✓ 60[♂] Lincoln, Christchurch, 3 Nov 1965, LJ Dumbleton, em Cocksfoot/stems (NZAC)
- 10[♂] no data MJE (NZAC)
- WI ✓ 10[♂], 10[♀] Rongotea, 19 Jan 1961, BF Gregory, on wheat (NZAC)
- HB ✓ 10[♂] Takapanu, 5 Jan 1961, . . . (NZAC)
- TK ✓ 10[♀] Paiaka, 15 Dec 1950, R.A. Cumber (NZAC)
- BP ✓ 10[♂] (216) Rotorua, FRI, 20 Nov 1959, J.S. Dugdale, reared Holcus sp. (FRNZ) ~~(NZAC)~~
- BP ✓ 10[♂] (217) . . . 23 Oct 1959, G.B. Rawlings (FRNZ)
- BR ✓ 1 spec (218) . . . 10 Jan 1960 L.W. Newman (FRNZ) rel'd ~~reared Holcus sp.~~
- BP ✓ 1 spec (220) (FRNZ) rel'd reared Holcus sp.
- NC ✓ 10[♂], 10[♀] (221) Eyrewell, 11 Dec 1961, J.S. Dugdale (FRNZ)
- NC ✓ 20[♀] (222) (FRNZ)
- BP ✓ 10[♂] (FRI 46) Holdens Bay, Rotorua, 13 Jan 1958, H. Forbes (FRNZ)
- BP ✓ 10[♀] ~~FRI~~ (219) Rotorua, FRI, em. 11 Nov 1960, LW Newman REARED Holcus sp. (NZAC) ^{Drawn 7.3.77} D Helmore
- AK ✓ 10[♀] Lynfield, 22 Nov 1975, G. Kuschel (NZAC)
- NN ✓ 10[♂] Nelson G. Ramsay, Jan 1946 (NZAC) ^{Drawn DW Helmore 8.3.77}
- ND ✓ 40[♂], 10[♀] Waipapa, 16 Dec 1975, ^{swept} roadside herbage, D.J. Allan (NZAC)
- ND ✓ 10[♂], 10[♀] Mangamuka Gorge, 17 Dec 1976, swept roadside, ~~BF~~ Biol. Control Survey (NZAC)
- WI ✓ 10[♂], 10[♀] Turakina Beach, S of Wanganui, 9 Nov 1977, E Schlinger, sand dunes (NZAC)
- AK ✓ 10[♀] Lynfield, 8 Dec 1974, B.A. Holloway (NZAC)
- BR ✓ 10[♂] Mt Robert 1340m, 16 Jan 1976, AK Walker, sweeping tussock (NZAC)
- NN ✓ 10[♀] Tahunanui, 24 Jan 1976, AK Walker, sweeping (NZAC)
- SD ✓ 10[♂] Tuna Bay, Tennyson Inlet, 2 Feb 1978, AK Walker, sweeping grasses & rushes (NZAC)

5 10[♂] 30[♀] 2 spec

see p. 3 for further records

Euciodes suturalis

204/5 228

Total examined: ~~180~~ (FRNZ, NZAC).

Distribution: North Island (AK, BP, TO, TK, HB, WI) and South Island (NN, SD, MB, BR, NC, MC, SC, CO, DN) from sea level to 1463m. Northernmost record: ~~Orakei, AK~~; southernmost record: Beaumont, ~~BR~~ CO. Kaingaroa ND
1695 Old Man Rn

Seasonal Records: October-February, August.

Plant Associations. Has been reared from flowering stalks of Holcus sp. (= fog) (Gramineae), and Dactylus glomerata (= Cocksfoot). Has been swept from various native & introduced grasses, & rushes.

Further Records

- NN ✓ 10 ♀ Whangamoa Saddle, 31 Jan 1978, AK Walker, grass beside road, (NZAC)
- AK 10♂ 1 ♀ SH.1 Riverhead Junction, 15 Dec 1975 D.J. Allan (NZAC) swept Kikuyu & lotus
- SD ✓ 10 ♀ Q. Charlotte St., Whatamango Bay, 6 Feb 1976, J.S Dugdale swept Juncus (NZAC)
- BP ✓ 10♂ Blue L. near Rotorua, 24 Oct 1977, R. Mayhill, nest of Turdus philomelos 77/108 (NZAC)
- CO ✓ 10 ♀ Cromwell Beetle Reserve, 15 Nov 1977, J.C. Watt, under dead Poa laevis (NZAC)
- ND ✓ 10 ♀ ~~Kaingaroa~~ 16 Dec 1975, D.J. Allan, swept roadside herbage (NZAC)
- AK ✓ 2 ♀, Noises Is, Motuhoropapa I., ~~15~~ 4 & 7 Nov. 1977, LL Deitz (NZAC)
- MC 50♂, 3 ♀ Otrains Bay Domain, Banks Peninsula, 22³⁰ Dec 1980, tussock grassland (PM Johns Coll²)
- MC 10♂, 2 ♀ Sugarloaf Scenic Res. 16-29 Dec 1980 (PM Johns Coll²)
- MC 10♂, 1 ♀ Kennedy Bush Res. 16 Dec 1980 (PM Johns Coll²)
- MC 50♂, 6 ♀ Various localities, Banks Pen, Dec 80 - Jan 1981 (PM Johns)

Eugoniissus

SPECS EXAM. (1)

Eugoniissus conulus Brown

- ND ✓ 1♂ Whangarei, 6 Jan 1927, C.E. Clarke (NZAC) [vestigial wings]
- ND 1♂ Waipona Forest, 20 Oct 1967, J.C. Watt, litter (NZAC) [vestigial wings]
- AK ✓ 1♀ Waikakere Ra., Auck. ex Brown Collⁿ, no date (NZAC) [fully devel wings]
- TO ✓ 1♂ S.F. 90 (E. Taupo) 15 Dec 1955 (FRNZ) [fully devel wings]
- ND ✓ 1♀ Kauri Reserve, Omahuta S.F., 10 Oct 1974, J.C. Watt, litter 74/81 (NZAC) [vestigial wings]
- AK ✓ 1♂ Tihirangi, 9 Jan 1943, M.W. Carter, on Watsonia, (NZAC) [vestigial wings]
- CL ✓ 1♂ Little Barrier I., 11 Mar 1974, 152 m, J.C. Watt, litter 74/30 (NZAC) [vestigial wings]
- CL ✓ 1 spec. ~~holotype~~ of conulus, Tainui, Brown (BMNH) Lectotype label affix Dec '64, BAH
- CL ✓ 1 spec. Paralectotype of conulus - (BMNH) Ruakea.
- AK ✓ 1 spec ^{5th inst.} ♂? Howick, (BMNH) Wings? Drawn by D. Helms Aug 1980
- AK ✓ 1 spec (left ant damaged) Holotype picipes Waitakeres Brown (BMNH) ^{Wings} Dec 64, BAH. ^{Hol Label off.}
- AK ✓ 1 spec. Holotype turneri (left hind leg missing) Huia, Nov 1909 (BMNH) ^{Hol Label off.} Dec 64
- ND ✓ 1♀ Waipona, 25 Nov 1980, G. Kuschel, litter 80/118, [vestigial wings] (NZAC)
- ND ✓ 1♂ " 24 Nov 1980 " , on toilet window [normal wings] (NZAC)
- AK ✓ 1♀ Huia, 15 Dec 1980, B.M. May, [normal wings] (NZAC)
- AK ✓ 1♀ Tihirangi, Nov 1980, P.A. Maddison, Malaise trap in garden normal wings (NZAC)
- AK ✓ 1♀ Huia, 20 Jan 1981, B.M. May, beaten ^{dead} Olearia [vestigial wings] (NZAC)
- ~~AK ✓ 1♀ Dalmanella, Huia, [normal wings] (NZAC)~~
- ND 1♂ ✓ Mt Manaia, 21 Jan 1981, G. Kuschel, litter [vestigial wings] (NZAC)
- ND ✓ 1 spec Whangarei 7 Jan 1924, C.E. Clarke (BMNH)
- ✓ 1 spec no locality H. Swale, pre 1913 (BMNH)
- ND ✓ 1♂, 1♀ Ngaiotongo, 13 Dec 1981, B.M. May, litter 81/214 .vestigial wings (NZAC)

Total specimens examined: ~~1~~ Lectotype & paralectotype of conulus, Holotypes of picipes & turneri. ♂ males, ♀ females, 4 specimens, (BMNH, FRNZ, NZAC).

Localities: North Island - ND, AK, CL (including Little Barrier I.), TO.
 ♂ Near sea level to about 600 m. Northernmost record: Omahuta, ND; southernmost record: S.F. 90, TO.

SEASONALITY: Oct-Jan incl, March.

PLANT ASSOC^{ns}: Has ~~not~~ been reared. ^{from Personia tom} Adults have been extracted from leaf litter. Fragments of fungal fructif^{ns} and hyphae, and several kinds of spores including Conoplea-like conidia (Hyphomycetes) have been found in the hindgut of dissected specimens.

Garyus

SPECS EXAMINED ①

Garyus altus Sharp 1876

- AK ✓ 1♂⁷ Lynfield, 20 Nov 1975, on Gahnia, G. Kuschel (NZAC)
" 1♂⁷ " 19 Dec 1976, G. Kuschel (NZAC)
" 1♂⁷ " 24 Oct 1976, " " (")
" 4♂⁷, 1♀ " 24 Jan 1976 " " (")
" 2♂⁷ " " " on Acacia verticillata, G. Kuschel (NZAC)
" 1♂⁷, 2♀ " 18 Sept. 1976 G. Kuschel (NZAC)
" 1♂⁷ " 2 Jan 1977, ex Marisaxys/Phormium, G. Kuschel (NZAC)
" 1♂⁷ " 1 Dec 1974, on Acacia mearnsii G. Kuschel (NZAC)
" 1♀ " 2 Oct 1976, base of Gahnia, G. Kuschel (NZAC)
" 1♀ " 27 Mar 1977, Gahnia litter, G. Kuschel (NZAC)
" 1♀ " 25 Mar 1979, G. Kuschel, on dead karaka (NZAC)
" 1♀ " 6 Nov 1975, on Gahnia, G. Kuschel (NZAC)
" 1♀ " 19 Jan 1976, Acacia in paddock, G. Kuschel (NZAC)
" 2♀ " 15 Feb 1975, G. Kuschel (NZAC) [one drawn by D. Helmore 2.4.79]
" 1♀ " 13 Dec 1975, " " (")
" 1♀ " 15 Nov 1975, " " on Acacia mearnsii (NZAC)
" 1♀ " 25 Jan 1975, " " on Hedycarya (NZAC)
" 1♀ " 15 Nov 1975 " " on Gahnia (NZAC)
✓ 1♀ Hamilton, 5 Oct 1971, on dead wood Crataegus monogyna, B.M. May (NZAC)
WN 2♂⁷ Linden, 7 Feb 1973, on Rhipogonum, R.C. Craw (NZAC)
AK 1♂⁷ Mt Albert, 20 Apr 1962, B.M. May (NZAC)
AK 1♀ Mt Roskill Dec 1949, A.E. Brookes (NZAC)
WN 1♀ Ballance Bridge, 28 Jan 1959, R.A. Cumber (NZAC)
WN 1♂⁷, 1♀ Kaitoke, 9 Nov 1909, A.C. O'Connor (NZAC)
AK 2♂⁷, 3♀ Greenlane, Auckland, 20 Dec 1948, K.P. Lamb, ex fig twigs (NZAC)
ND 1♂⁷ Mangamuka, 1 Feb 1962, B.M. May (NZAC)
AK 4♂⁷, 1♀ Swanson, 5 Dec 1916, A.E. Brookes (NZAC)
BP ✓ 1♂⁷ Okauia, 25 Dec 1902 (NZAC)
BP ✓ 1♂⁷ " 23 Jan 1927 (NZAC)
AK 1♂⁷, 1♀ Grafton Gully, Auckland, 20 Jan 1951, D. Spiller (NZAC)
— 1♂⁷, no data, #972 (NZAC)
AK 1♀ Titirangi, Aug 1914, A.E. Brookes (NZAC)
AK 4♀ Grafton Gully, 15 Oct 1941, D. Spiller (NZAC)
AK 1♀ Auckland, ex timber, 1947-48, D. Spiller (NZAC)
AK 1♀ Tuakau, 972, Brown Dup. (NZAC)
JD ✓ 2♂⁷, 1♀ Maungakarama, Whangarei, 28 Jan 1928, E. Fairburn (~~NZAC~~) (NMNZ)
ND 1♂⁷ " " " 1 Apr 1927 " (NMNZ)
AK 1♂⁷ Auckland Domain, 4 Jan 1927, E. Fairburn (NMNZ)
WN 1♂⁷ Waikanae 6 Feb 1943, (NMNZ)
— 5♂⁷ No data, #972 (NMNZ)
WN 1♀ Levin, 20 Jan 1909, A.C. O'Connor (NMNZ)
WN 1♂⁷ Kaitoke 25 Dec 1908 " " (NMNZ)
WN 1♂⁷ Waikanae 20 Mar 1910 " " (NMNZ)

39 ♂ 29 ♀

altus Sharp 1876

- WN 10♂, 1♀, ✓ Kaitoke, 9 Nov 1909, A.C. O'Connor (NMNZ)
 BP 1♀ ✓ Okauia, 23 Jan 1927, (AMNZ)
 - 1♀ no data, Wakefield Collⁿ (CMNZ)
 - 1♀ no data (UCNZ)
 BP 1♀ (284) Whaka S.F., 7 Nov 1958, R. Zondag (FRNZ)
 BP ✓ 1♂ (FRI 37) Whaka, 17 Dec 1948 ~~≡~~ N.M. Wilson (FRNZ)
 BP ✓ 1♂ (FRI 86) Whakarewarewa, 17 Dec 1948, N.M. Wilson (FRNZ)
 BP ✓ 1 spec (283) Whaka S.F., 11 Oct 1948, N.M. Wilson (FRNZ)
 WN ✓ 1♂ (638c) Kaitoke, 30 Nov 1903, G.U. Hudson (NMNZ)
 WN ✓ 1♂, 2♀ (638 def) Gollans Valley, 6 Nov 1923, G.U. Hudson (NMNZ) ^{beaten from shrubs}
 WN ✓ 2♀ (638 gh), Makara Bush, 18 Nov 1923, G.V. Hudson (NMNZ)
 WN ✓ 5♂, 1♀ (638 klmn pq), Moonshine, Upper Itutt 1 Dec 1925 (NMNZ)
 AK ✓ 1♀ Lynfield, 24 Dec 1978, G. Kuschel, macrocarpa stump ~~NMNZ~~ (NZAC)
 " 1♂ " 9 Nov 1974 " " Hedycarya (NZAC)
 " 1♀ " 14 Sep 1974 " " (NZAC)
 " 1♀ " 13 Oct 1974 " " Acacia mearnsii (NZAC)
 " ✓ 1♂ " 5 Oct 1974 " " Hedycarya (NZAC)
 WO ✓ 1 spec. Waikato (BMNH)
 ✓ " Parua (BMNH)
 AK ✓ 1 " Titirangi (BMNH)
 AK ✓ 1 " Swanson, 5 Dec 1916 (BMNH)
 ND ✓ 1 " Parua (BMNH)
 AK ✓ 1♀ Milliers Bush, Whangarata, 17 Apr 1981, B.A. Holloway, beaten foliage (NZAC)
 - 12♂ 14♀ 6 spec.
 - 1 spec, no data (OMNZ)
 ✓ 1 spec Okauia C.E. Clarke pre 1957 (BMNH)
 WO ✓ 1 spec. Waitomo (BMNH)
 WN 4 specs. Wellington (Gollans V., Wilkms Bush, Keonui) G.U. Hudson 1940-41 (BMNH)

Gargus altus Sharp 1876

Total Spec. Exam. ¹⁰⁰ ~~97~~ (AMNZ, BMNH, CMNZ, FRNZ, NMNZ, NZAC, ^{OMNZ.}UCNZ)

Distribution North Island (~~CA~~, ND, AK, WO, BP, WN) from near sea level to about 300 m. Northernmost record: Mangamuka, ND; Southernmost record: Gollans Valley, WN.

Seasonal Records ~~September - April~~, August - April

Plant Associations. Has been reared from ~~twigs~~ ^{twigs} (Ficus sp.); and from timber. Adults have been collected on dead wood of a ^{various} ~~variety~~ of native + introduced trees, + beech from Gahnia + Marismus.