

LOCALITY DATA

Coleoptera; Hydraenidae

Prior to the use of new species names, the numbers below were used both in provisional keys and to indicate the contents of the tubes. The specimens were ultimately sorted into species lots but the numbers remain in the tubes and to some extent indicate associated species. Podaena obscura and P. nelsonensis however were not recognised in the early stages and series 4, 4a, 5 and 30 were mixed.

1. *Orchymontia vulgaris*
2. *O. latispina*
3. *O. crassifemur*
4. *Podaena dentipalpis*
- 4a. *P. obscura*
5. *P. kuscheli*
6. *P. trochanteralis*
7. *P. maclelleni* (Zwick)
8. *Homalaena acuta*
9. *H. dispersa*
10. *H. spatulata*
11. *H. dilatata*
12. *P. glabriventris*
13. *Hydraena zelandica*
14. *O. otagensis*
15. *O. banksiana*
16. *O. curvipes*
17. *O. calcarata*
18. *O. spinipennis* Broun
19. *O. dilatata*
20. *Podaena latipalpis*
21. *H. setosa*
22. *O. bidentata*
23. *O. ciliata*
24. *Hydraena* sp. Broun colln.
25. *Hydraena* sp. Broun colln.
26. same as 23
27. *H. carinata*
28. *O. dugdalei*
30. *H. nelsonensis*

Series 7 Podaena maclellani (Zwick) Material examined.

Locality	Date	Collector	
S. arm of Upper Sanders Creek, Maitai Valley	NN 18. 4.1973	G. Kuschel	47
Rahu Creek, Rahu Saddle 600m	BR 6. 4.1973	J.S. Dugdale	5
Maitai Valley, Lower Sanders Creek	NN 18. 4.1973	G. Kuschel	7
Redmans Creek, Caplestone	BR 2 . 4.1973	J.S. Dugdale	1
Moonstone Lake, Karamea River	NN 7. 2.1973	A.K. Walker	5
Dodsons Valley, Atawhai, Nelson	NN 5. 5.1973	J.S. Dugdale	23
8 km S. of L.Paringa S. Westland	WD 29. 3.1973	G. Kuschel & J. McBurney	11
Shingle Creek in bush Pelorus	SD 21. 2.1973	J. McBurney	2
Cleveland Tce. Nelson	NN 31. 1.1973	G. Kuschel	45
L. Cobb, 800m, Nelson	NN 9. 2.1973	G. Kuschel	2
Havelock S/21/073/276	SD 21. 2.1973	J. McBurney	42
Orbit Creek 850m + 810m Mt. Kendall, Upper Karamea River	NN 10. 2.1973	A.K. Walker	8
Hercules Creek, Mt. Hercules	WD 30. 3.1973	G. Kuschel	36
Winter Creek, Tarakohe	NN 14. 1.1973	G. Kuschel	1
Cloustone Valley, Nelson	NN 10. 6.1973	G. Kuschel	106
Flora Hutt, Nelson	NN 28.12.1972	G. Kuschel	14
2nd Stream, Maitai Valley, Nelson	NN 27. 1.1973	G. Kuschel	16
Otepatotu	20.11.1973	R.L.C. Pilgrim	8
Lewis Pass 900m	BR 11. 4.1973	—	51
Lewis Pass	BR 11. 4.1973	G. Kuschel	4
Fletchers Creek, nr. Reefton	BR 10. 1.1973	J.C. Watt	1

Series 7 (continued)

Locality		Date	Collector	
Cobb Saddle, Nelson 750m	NN	15. 1.1973	G. Kuschel	3
Gilbert Creek, Hope, Nelson	NN	23. 5.1973	E. Greenough	5
The Brook, Nelson	NN	11. 2.1973	G. Kuschel	20
Picton, Marlborough S22/310228	SD	21. 2.1973	J. McBurney	4
Cleveland Tce., Nelson	NN	13.11.1972	G. Kuschel	1
Sandy Creek, nr Kawatiri, Nelson	NN	5. 1.1973	G. Kuschel	1
L. Cobb, Nelson	NN	9. 2.1973	G. Kuschel	6
Glentui River area, Canterbury	NC	16.10.1973	R.L.C. Pilgrim	1
Maitai Valley, Nelson	NN	25.11.1972	G. Kuschel	8
Anatoki River, Takaka	NN	16. 1.1973	G. Kuschel	6
Cleveland Tce, Nelson	NN	4.12.1972	G. Kuschel	12
Otepatotu		6. 7.1973	R.L.C. Pilgrim	1
Pukaka Stream, Tuamarina, Marlborough	SD	21. 2.1973	J. McBurney	2
Ship Cove, Marlborough	SD	27.11.1972	G. Kuschel	1
Aniseed Valley, Nelson	NN	21. 2.1973	—————	4
Anatoki River nr Takaka	NN	8. 2.1973	G. Kuschel	10
Opp. Pyke Creek, Haast Pass	WD	29. 3.1973	G. Kuschel	1
Wandle River, Kaikoura 390m	KA	12. 4.1973	G. Kuschel & J. McBurney	1
Cobb Road, Nelson 330m	NN	9. 2.1973	G. Kuschel	1
Goings Bridge, Lewis Pass	BR	11. 4.1973	—————	4
Hope River Bridge 470m	NN	11. 4.1973	G. Kuschel	4
Maruia Saddle	BR	11. 4.1973	G. Kuschel	1
The Brook, Nelson	NN	3. 2.1973	G. Kuschel	3

Series 7 (continued)

Locality	Date	Collector	
Swamp Stream, Lewis Pass 900m	BR 11. 4.1973	G. Kuschel	4
Dodsons Valley, Nelson 90m	NN 5. 4.1973	J.S. Dugdale	61
Giles Creek tributary, Inangahua Valley 480m	BR 4. 4.1973	J.S. Dugdale	32
Maruia Saddle 480m	BR 1. 4.1973	G. Kuschel	8
Cobb Saddle, Nelson 1030m	NN 9. 2.1973	G. Kuschel	19
Wells Creek	WD 29. 3.1973	G. Kuschel	11
Ship Cove, main stream, Marlborough	SD 15. 2.1973	G. Kuschel	8
Pigeon Saddle, Totaranui	NN 17. 1.1973	G. Kuschel	8
Maitai Valley, Nelson	NN 10.12.1972	G. Kuschel	11
Jam Tin Creek, Graham Valley, Nelson	NN 27.12.1972	G. Kuschel	1
Lake Rotoiti	BR 5. 1.1973	G. Kuschel	19
Shakespeare Bay, Picton	SD 21. 2.1973	J. McBurney	45
Ship Cove, Marlborough	SD 30.11.1972	G. Kuschel	4
Mt. Robert, Nelson 1330m	NN 24. 2.1973	A.K. Walker	2
Kelly Creek, Arthurs Pass	NC 19. 1.1974	D.A. Craig	10
Tata Beach, Tarakohe	NN 20. 1.1973	G. Kuschel	15
Cleveland Tce. Nelson	NN 28. 1.1973	G. Kuschel	77
Ida Cave, Otago	DN 26. 6.1973	G. Kuschel	25
3 km S. Surveyor's Creek, Karamea Bluff	NN 25. 6.1973	G. Kuschel & J. McBurney	30
McClennans Mt. Hutt	MC 11.12.1973	G. Kuschel	2
Reefton S38 341236	BR 14. 4.1976	B. Cowie	2
Crooked River	WD 1.11.1978	R.R. Scott	1

Series 7 (continued)

Locality		Date	Collector	
Takaka Hill, Westside	NN	8. 2.1973	G. Kuschel	5
Ship Cove, 300m upstream 516 509488	MB	1.12.1972	G. Kuschel	1
Marsden Valley, Nelson	NN	28. 1.1973	G. Kuschel	4
			Species total ;	940

Podaena glabriventris Paratypes

<u>Location</u>		<u>Date</u>	<u>Collector</u>
Ohau R. nr Ohau Gorge	WN	12. 1.1973	R. G. Ordish 1♀
Maungatukutuku Valley	WN	27. 1.1973	R. G. Ordish 2♂ 2♀♀
Trib. Kaitoke Stm. Gt. Barrier Is.	CL	8. 1.1974	R. G. Ordish 3♂ 1♀
Akatarawa R. WN.	WN	20. 1.1973	R. G. Ordish 1♂

Species total; 10

Podaena trochanteralis paratypes

<u>Locality</u>		<u>Date</u>	<u>Collector</u>
Orbit Cr. Mt. Kendall 810m	NN	10. 2.1973	A. K. Walker 3♂♂ 1♀
Goings Bridge, Lewis Pass 815m	BR	11. 4.1973	G. Kuschel 8♂♂ 8♀♀ + Type
Kelly CK, Arthur's Pass	NC	19. 1.1974	D. A. Craig 1♀
Lewis Pass 900m	BR	11. 4.1973	G. Kuschel 1♂
5 km N Fox Glacier	WD	29. 3.1973	G. Kuschel 2♂♂ 2♀♀
Haast Pass Opp. Pyke C.K.	WD	29. 3.1973	G. Kuschel 1♂ 1♀
Rahu CK, Rahu Saddle, Haast 600m	WD	6. 4.1973	J. S. Dugdale 2♂♂ 4♀♀
Flora CK	NN	23. 3.1971	J. S. Dugdale 1♀
Redmans CK, Cappleston	NN	10. 1.1973	J. C. Watt 1♂
8m S of L. Paringa	WD	29. 3.1973	G. Kuschel & J. McBurney 2♂♂ 2♀♀
Flora stream at Flora Hut	NN	28.12.1972	G. Kuschel 1♂
Black Birch Ra. (Altimarlock) 1200m	MB	16. 1.1973	J. S. Dugdale 24♂♂ 47♀♀

Species total; 112

Podaena obscura paratypes

<u>Location</u>		<u>Date</u>	<u>Collector</u>
Flora stream at Flora Hut	NN	28.12.1972	G. Kuschel 4♂♂6♀♀
Takaka Hill (West)	NN	8. 2.1973	G. Kuschel 4♂♂1♀
Flora Hut	NN	28.12.1972	G. Kuschel 33♂♂10♀♀
Cobb Rd. 330m	NN	8. 2.1973	G. Kuschel 10♂♂9♀♀
Anatoki R. nr Takaka	NN	8. 2.1973	G. Kuschel 1♂
Orbit CK. Mt. Kendall Upper Karamea 810m	NN	10. 2.1973	A. K. Walker 1♂
Lake Cobb 800m	NN	9. 2.1973	G. Kuschel 136♂♂14♀♀
Lewis Pass, Goings Bridge 813m	BR	11. 4.1973	G. Kuschel 14♂♂9♀♀
Rahu CK. 600m Rahu Saddle	WD	6 Apr.	J. S. Dugdale 7♂♂24♀♀
George CK, above cave	FD	15. 3.1973	G. Kuschel 5♂♂4♀♀
Maruia Saddle 430 '	BR	11. 4.1973	G. Kuschel 4♂♂5♀♀
Surveyor's CK. Karamea Bluff	NN	25. 6.1973	G. Kuschel & 7♂♂8♀♀ J. McBurney
Cobb Saddle 1030m	NN	8. 2.1973	G. Kuschel 1♂
Dinner CK. L. Hawea	DL	29. 3.1973	G. Kuschel 1♂1♀
Crooked River	WD	1.11.1978	R. R. Scott 2♂♂1♀

Species total; 157

Podaena kuscheli paratypes

<u>Locality</u>		<u>Date</u>	<u>Collector</u>
Hercules CK, Mt. Hercules	WD	30. 3.1973	G. Kuschel 26♂♂ 22♀♀
8m S of L.Paringa	WD	29. 3.1973	G. Kuschel & 9♂♂ 2♀♀ J. McBurney

Species total; 59

Podaena latipalpis paratypes

<u>Locality</u>		<u>Date</u>	<u>Collector</u>
Waiomio Cave stream, Northland	ND	1. 5.1975	G. Kuschel 1♂
Gt. Barrier Is. stream into Shoal Bay, Tryphena	CL	12. 1.1974	R. G. Ordish 3♀♀
Kite Kite stream, Piha, Auckland	AK	8.10.1973	G. Kuschel 2♂♂ 7♀♀
Upper Cascade stream, Waitakere	AK	23. 1.1974	- 2♂♂
Lake Waikaremoana	GB	19.11.1975	G. Kuschel 2♂♂ 1♀
Mangapohue stream, Waitomo	WO	18. 3.1975	G. Kuschel 3♂♂ 3♀♀
Waiau Falls, Coromandel 150m	CL	25. 1.1974	G. Kuschel 11♂♂ 11♀♀
Mangatawhiri Valley, Auckland. Hunua Ra.	AK	12. 6.1973	B. M. May 1♂ 2♀♀
Fairy Falls stream & tribs. Henderson Valley	AK	24. 5.1973	B. M. May 4♀♀
Hinau stream, S.branch Carrington, Wairarapa	WA	25.10.1965	C. L. Hopkins 1♂ 1♀
Kohukohunui, Hunua	AK	30. 3.1974	J. C. Watt 1♀
Cascade, Waitakere	AK	19. 1.1975	G. Kuschel 4♂♂
Karamatura Valley, Huia	AK	29. 5.1973	B. M. May 2♂♂ 4♀♀
Mangamuka Gorge	ND	9. 5.1974	G. Kuschel Types. 10♂♂ 10♀♀
Small stream, Lake Waikaremoana GB		19.11.1975	G. Kuschel 17♂♂ 19♀♀

Podaena latipalpis cont.

2.

Island Bay stream, Tryphena, Gt. Barrier Is.	CL	Jan 1980	R. G. Ordish 3♂♂ 7♀♀
Mangapohue stream, Waitomo	WO	12. 3.1975	G. Kuschel 1♂ 2♀♀
Mangamuka saddle litter in bush stream	ND	22. 9.1976	G. Kuschel 12♂♂ 5♀♀
Mangamuka saddle	ND	22. 9.1976	G. Kuschel 3♂♂ 1♀
Awaroa stream, Little Barrier Is., stream bed on leaves in water 90m	CL	Mar 1974	J. S. Dugdale 32♂♂ 35♀♀
Gt. Barrier Is. stream into Island Bay, Typhena	CL	16. 1.1974	R. G. Ordish 1♀

Species total; 224

dentipalpis
Podaena paratypes

Locality		Date	Collector
Lake Rotoiti, small stream	BR	5. 1.1973	G. Kuschel 9♂♂ 9♀♀
Opossum Creek, Teal Valley	NN	15.12.1972	G. Kuschel 8♂♂ 10♀♀
Aniseed Valley	NN	21.2.1973	G. Kuschel 7♂♂ 11♀♀
Marsden Valley	NN	28. 1.1973	G. Kuschel 45♂♂ 36♀♀
Dun Mt. 750m Stm in bush	NN	6. 2.1973	G. Kuschel 1♂ 2♀♀
Maitai Valley	NN	25.11.1972	G. Kuschel 9♂♂ 7♀♀
Maitai Cave, Upper Sanders Creek	NN	18. 4.1973	G. Kuschel 5♂♂ 5♀♀
Sandy Creek Near Kaiwatiri	NN	5. 1.1973	G. Kuschel 1♂ 1♀
Pelorus	SD	21. 2.1973	J. McBurney 1♂ 3♀♀
Ship Cove, Marlborough 150m	SD	15. 2.1973	G. Kuschel 10♂♂ 6♀♀
Leith Valley, Dunedin	DN	23. 3.1973	G. Kuschel & 27♂♂ 19♀♀ J. McBurney
Dodsons Valley stream Atawhai	NN	5. 5.1973	J. S. Dugdale 2♂♂ 3♀♀
Blue Duck Valley, Kaikouras	MB	19. 3.1973	G. Kuschel 7♂♂ 7♀♀
Maitai Valley	NN	16.12.1972	G. Kuschel 2♂♂ 1♀
The Brook, Nelson	NN	3. 2.1973	G. Kuschel 27♂♂ 12♀♀
Dog stream, Hanmer 500m	MB	12. 4.1973	G. Kuschel & J. McBurney 10♂♂ 4♀♀
Waipori Falls	DN	24. 3.1973	G. Kuschel 2♂♂
Hawk Range E 300m	KA	12. 4.1973	G. Kuschel & J. McBurney 72♂♂ 72♀♀
Havelock S21073276.	SD	21. 2.1973	J. McBurney 37♂♂ 44♀♀
Maitai Valley	NN	4. 2.1978	2♂♂ 3♀♀
Waitohi R. Picton E.	SD	25. 5.1975	R. G. Ordish 2♀♀
Maitai V. Lower Sanders CK	NN	18. 4.1973	G. Kuschel 21♂♂ 13♀♀

Podaena dentipalpis cont.

Locality		Date	Collector
Picton, Marlborough	SD	21. 2.1973	J. McBurney 40♂♂ 48♀♀
Dinner Creek, Lake Hawea	OL	29. 3.1973	G. Kuschel 5♂♂ 6♀♀
Tuamarina, Marlborough Pukaka stream	SD	21. 2.1973	J. McBurney 14♂♂ 15♀♀
Ship Cove, Marlborough. 150m	SD	30.11.1972	G. Kuschel 3♂♂ 5♀♀
Shakespeare Bay, Picton	SD	21. 2.1973	J. McBurney 48♂♂ 57♀♀
Fuschia Creek, Awatere Valley 480m	KA	13. 4.1973	G. Kuschel & 20♂♂ 21♀♀ J. McBurney
Ship Cove, Marlborough 300m	SD	1.12.1972	G. Kuschel 1♂ 4♀♀
Maitai Valley, Nelson 2nd Stream	NN	27. 1.1973	G. Kuschel 9♂♂ 14♀♀
The Brook, Nelson	NN	11. 2.1973	G. Kuschel 138♂♂ 89♀♀
Gilbert Creek, Hope, Nelson	NN	23. 5.1973	F. Greenough 3♂♂ 4♀♀
North of McClennans Mt. Hutt	MC	10.12.1973	G. Kuschel 1♂ 4♀♀
Maitai Valley, Nelson	NN	10.12.1972	G. Kuschel 16♂♂ 17♀♀
McClennans Mt. Hutt	MC	11.12.1973	G. Kuschel 1♂

Species total 1058

Homalaena nelsonensis

Locality		Date	Collector
Cleveland Terrace, Nelson	NN	14.12.1972	G. Kuschel 1♂ 2♀♀
The Brook, Nelson	NN	3. 2.1973	G. Kuschel 1♂ 2♀♀
The Brook, Nelson	NN	11. 2.1973	G. Kuschel 2♂♂

Species Total: 4♂♂ 4♀♀

Homalaena acuta

Cleveland Terrace, Nelson	NN	31. 1.1973	G. Kuschel 1♂ 3♀♀
Kohukohunui, Hunua 600m	AK	30. 3.1974	J. S. Dugdale 1♂ 1♀
8 km S. of Lake Paringa, S. Westland	WD	29. 3.1973	G. Kuschel & J. McBurney 1♀
Redmans Creek, Caplestone	BR	2. 4.1973	J.S. Dugdale 1♂ 1♀
Stream into Is. Bay Tryphena Great Barrier Island	CL	16. 1.1974	R.G. Ordish 1♂ 1♀
Clouston Valley, Nelson	NN	10. 6.1973	G. Kuschel 1♂ 2♀♀
Side stream Anatoki River nr Takaka	NN	8. 2.1973	G. Kuschel 1♀
Waiomio Cave stream Northland	ND	1. 5.1975	G. Kuschel 2♂♂ 1
Cascade, Waitakere	AK	19. 1.1975	G. Kuschel 1♀
Cleveland Terrace, Nelson	NN	4.12.1972	G. Kuschel 1♂ 2♀♀
Tryphena, Gt.Barrier Is.	CL	Jan. 1980	R.G. Ordish 1♂ 1♀
Sam Creek,	WD	1.11.1978	R.M.Emberson 1♀

(North Is examples are not paratypes)

Species Total: 9♂♂ 16♀♀

Homalaena dilatata

Locality		Date	Collector
Upper Waitakere Stream	AK	17. 1.1974	D. Towns 1♂

H. dilatata cont.

Locality	Date	Collector
Hinau Stream, N. branch Carrington, Wairarapa	WA	C. L. Hopkins 1♂
Moore's Valley Stream, Wainuiomata	WN 19. 1.1973	R. G. Ordish 2♂♂ 10♀♀
Hawke Range E. 300m	KA 12. 4.1973	J. McBurney & G. Kuschel 4♂♂ 4♀♀
Rocky Creek, Tophouse, Nelson	NN 5. 1.1973	G. Kuschel 1♂
The Brook, Nelson	NN 11. 2.1973	G. Kuschel 1♂ 1♀
Trib. Otaki River	WN 22. 9.1978	R.G. Ordish 1♂ 3♀♀
Abbots Creek, Featherston	WA 4. 2.1973	R.G. Ordish 1♀

Species Total: 11 ♂♂ 19 ♀♀

Homalaena setosa

Locality	Date	Collector
Mangamuka Gorge	ND 9. 5.1974	G. Kuschel 2♂♂ 8♀♀
Upper Waitakere Stream	AK 17. 1.1974	D.R. Towns 1♂ 1♀
Otaki River Trib. Manawatu	WN 18.11.1973	R.G. Ordish 1♂
Cascade Creek, Waitakere	AK 19. 1.1975	G. Kuschel 1♂
Kaiarata Stream, Great Barrier Island	CL 8. 1.1974	R.G. Ordish 1♂

Species Total: 6 ♂♂ 9 ♀♀

Homalaena spatulata

Locality	Date	Collector
Sawyer Burn, Lake Hawea	OL 25. 1.1973	J. C. Watt 1♂
Winter Creek, Tarakohe	NN 14. 1.1973	G. Kuschel 1♀
Sandy Creek, nr. Kawatiri Nelson	NN 5. 1.1973	G. Kuschel 1♂
Maitai Valley, Nelson	NN 25.11.1972	G. Kuschel 2♂♂
Waipori Falls	DN 24. 3.1973	G. Kuschel 3♀♀

H. spatulata cont.

Locality		Date	Collector
opp. Pyke Creek, Haast Pass	WD	24. 3.1973	G. Kuschel 1♂ 6♀♀
Leith Valley	DN	23. 3.1973	G. Kuschel & J. McBurney 2♂♂ 2♀♀
Redmans Creek, Capleston	BR	10. 1.1973	J. C. Watt 1♀
Rahu Creek, Rahu Saddle Haast 600m	WD	6. 5.1973	J. S. Dugdale 1♂ 4♀♀
The Brook, Nelson	NN	11. 2.1973	G. Kuschel 1♂
Dinner Creek, Lake Hawea	OL	29. 3.1973	G. Kuschel 1♂ 7♀♀
Lewis Pass	BR	11. 4.1973	G. Kuschel 2♂♂

Species Total: 12♂♂ 24♀♀

Homalaena carinata

Kaiorata Stream, Great Barrier Island	CL	8. 1.1974	R.G. Ordish 1♂ 1♀
Ohariu stream trib. Wellington	WN	4. 2.1973	R.G. Ordish 5♂♂ 2♀♀
Tryphena Stream Great Barrier Island	CL	Jan 1980	R.G. Ordish 9♂♂ 2♀♀

Species Total: 15♂♂ 5♀♀

Homalaena dispersa

Pukaka Stream, Tuamarina, Marlborough	SD	21. 2.1973	J. McBurney 2♂♂
White Bluff Creek, Awatere Valley 240m	MB	13. 4.1973	G. Kuschel & J. McBurney 1♀
Mangapohue Stream, Waitomo	WO	12. 3.1975	G. Kuschel 2♀♀
Stream S. of Branch R. Wairau Valley	MB	24. 5.1975	R.G. Ordish 1♂ 3♀♀
Sandy Creek, nr Kawatiri, Nelson	NN	5. 1.1973	G. Kuschel 1♂

H. dispersa cont.

Locality		Date	Collector
Dry Creek, Takaka	NN	21. 6.1973	G. Kuschel 1♂
Carey Creek, Evansdale	DN	23. 3.1973	G. Kuschel 2♂♂ 2♀♀
Dog Stream, Hanmer 500m	MB	12. 4.1973	G. Kuschel & J. McBurney 1♀
Waiomio Cave Stream	ND	1. 5.1975	G. Kuschel 17♂♂ 1♀
Abbotts Creek	WN	4. 2.1973	R.G. Ordish 2♂♂
Otaki River tributary Otaki	WN	18.11.1973	R.G. Ordish 1♂ 3♀♀
The Brook, Nelson	NN	11. 2.1973	G. Kuschel 1♂ 6♀♀
Waitakere Stream	AK	26. 9.1973	B.M. May 1♂
Mangamuka Gorge	ND	9. 5.1974	G. Kuschel 3♂♂ 7♀♀
Maitai Valley	NN	25.11.1972	G. Kuschel 1♀

Species Total: 32 ♂♂ 27 ♀♀

ORCHYMONTIA vulgaris

Locality		Date	Collector	
Sandy Creek nr Kawatere, Nelson	NN	5. 1.1973	G. Kuschel	1♂ 1♀
Pukaka Stream, Tuamarina, Marlborough	MB	21. 2.1973	J. McBurney	50♂♂ 50♀♀
Wallaby Creek Mawhera S.F.	BR	9. 1.1973	J. C. Watt	1♂ 1♀
Maitai Valley, Nelson	NN	25.11.1972	G. Kuschel	11♂♂ 9♀♀
The Brook, Nelson	NN	3. 2.1973	G. Kuschel	1♂ 1♀
Pukaka Stream, Tuamarina Marlborough	MB	25. 5.1975	R. G. Ordish	7♂♂ 27♀♀
Cascade, Waitakere	AK	19. 1.1975	G. Kuschel	1♀
Gorge Creek, Otago	CO	15. 3.1973	G. Kuschel	1♀
Anatoki River, Takaka	NN	16. 1.1973	G. Kuschel	2♂♂ 3♀♀
Cleveland Tce. Nelson	NN	4.12.1972	G. Kuschel	10♂♂ 17♀♀
Cleveland Tce. Nelson	NN	13.11.1972	G. Kuschel	1♂
Pelorus, 521/877245	MB	21. 2.1973	J. McBurney	6♂♂ 5♀♀
L. Cobb, Nelson 800m	NN	9. 3.1973	G. Kuschel	1♂
Blue Duck Valley, Kaikouras	KA	19. 3.1973	G. Kuschel	14♂♂ 14♀♀
Maitai Valley, Lower Sanders Creek, Nelson	NN	18. 4.1973	G. Kuschel	2♀♀
Maruia Saddle 430m	BR	11. 4.1973	G. Kuschel	1♂
Waiiti River, Brightwater	NN	16.11.1972	G. Kuschel	1♂
Maitai River, Nelson	NN	16.12.1972	G. Kuschel	3♂♂ 45♀♀
Rocky Creek, Tophouse, Nelson	NN	5. 1.1973	G. Kuschel	14♂♂ 10♀♀
Redmans Creek, Caplestone	BR	10. 1.1973	J. C. Watt	2♂♂ 2♀♀
Redmans Creek, Caplestone	BR	2. 4.1973	J. S. Dugdale	15♂♂ 21♀♀
Upper Wairau, Nelson	NN	5. 1.1973	G. Kuschel	3♂♂ 13♀♀
Marsden Valley, Nelson	NN	28. 1.1973	G. Kuschel	1♂ 1♀
Maitai River, Nelson	NN	14.11.1972	G. Kuschel	4♂♂ 6♀♀

O. vulgaris

2

Locality		Date	Collector
Roding River, Aniseed Valley, Nelson	NN	13.11.1972	G. Kuschel 8♂♂ 15♀♀
Waitohi River, E. Picton	MB	25. 5.1975	R.G. Ordish 22♂♂ 19♀♀
Pearse Valley, Nelson	NN	7. 4.1973	G. Kuschel 2♂♂ 2♀♀
Redmans Creek, Buller	BR	2. 4.1973	J.S. Dugdale -
L. Cobb, Head Cobb R. Nelson 800m	NN	9. 2.1973	G. Kuschel 8♂♂ 11♀♀
Lee River, Nelson	NN	7.12.1972	G. Kuschel 6♂♂ 9♀♀
Lower Waitakere Stream, Auckland	AK	29.10.1974	D.R. Towns 1♂
Stream S. of Branch R. Wairau Valley	BR	24. 5.1975	R.G. Ordish 3♂♂ 11♀♀
Waiomio Cave Stream Northland	ND	1. 5.1975	G. Kuschel 12♂♂ 26♀♀
Maitai Valley, Nelson	NN	10.12.1972	G. Kuschel 9♂♂ 6♀♀
Cleveland Terrace, Stream, Nelson	NN	28. 1.1973	G. Kuschel 1♂
Mt. Kendal , Upper Karamea River 810m.	NN	10. 2.1973	A.K. Walker 1♂
The Brook, Nelson	NN	11. 2.1973	G. Kuschel 50♂♂ 50♀♀
Mangamuka Gorge	ND	9. 5.1974	G. Kuschel 1♂
Waitakere Stream, Auckland	AK	26. 9.1973	B.M. May 1♂
Swanson Auckland	AK	8. 2.1942	D. Spiller 3♂♂ 3♀♀
Picton/Marlborough S22/310228	MB	21. 2.1973	J. McBurney 28♂♂ 19♀♀
Fuschia Creek Awatere Valley 480m	MB	13. 4.1973	G. Kuschel 2♂♂ 4♀♀
		Species totals	<u>314 ♂♂ 416 ♀♀</u>

Orchymontia ciliata

Locality		Date	Collector
Hutt R. & tribs. Lower Hutt	WN	Nov.69-Jan.70	V.U.W. 3♂♂ 1♀
Trib. to Kaitoke Stream Gt. Barrier Is.	CO	6. 1.1974	R.G. Ordish 13♂♂ 26♀♀
Otaki R. trib. Otaki	WN	18. 2.1978	R.G. Ordish 2♂♂ 8♀♀
S. Karori Stream, Wellington	WN	3. 2.1972	R.G. Ordish 2♂♂ 15♀♀
Maunga [^] kotukutuku Valley Wellington	WN	28. 1.1973	R.G. Ordish 19♂♂ 35♀♀
Trib. to Ohariu stream, Wellington	WN	4. 2.1973	R.G. Ordish 7♂♂ 6♀♀
Ohau River, Manawatu	WN	12. 1.1973	R.G. Ordish 2♂♂ 1♀
Otaki R. trib. Otaki	WN	11. 2.1973	R.G. Ordish 5♂♂ 5♀♀
Abbots Creek, Wairarapa	WN	4. 2.1973	R.G. Ordish 44♂♂ 46♀♀
Omarae Stream, Karioi, Taihape	RI	23. 8.1971	R.G. Ordish 1♂ 1♀
Akatarawa River, Wgtn.	WN	20. 1.1973	R.G. Ordish 4♂♂ 3♀♀
Mangawhero River, Ohakune	RI	24. 8.1971	R.G. Ordish (2) 1♂ 1♀
Hinau stream, N.branch Wairarapa	WN	16. 6.1971	Marine Dept. 1♂
Waitaki stream, Karioi, Taihape	RI	6. 1.1961	B.A. Holloway 1♂
Butterfly Creek, Days Bay Wellington	WN	22. 1.1973	R.G. Ordish 52♂♂ 44♀♀
Headwaters Kaiwharawhara stream	WN	4. 2.1973	R.G. Ordish 1♂ 2♀♀
Kaiarara Stm. Gt. Barrier Is.	CO	8. 1.1974	R.G. Ordish 1♂ 1♀
Moore's Valley stream Wainuiomata	WN	20. 1.1973	R.G. Ordish 50♂♂ 50♀♀
Mangatarere River trib. Carrington Ridge	WN	4. 2.1973	R.G. Ordish 3♂♂ 9♀♀

Series 23 cont. *O. ciliata*

Wainuiomata stream, Wellington	WN	Sept.-Nov.1971	S. Penny	5♂♂ 7♀♀
Waiiau Falls, Coromandel	CO	25. 1.1974	G. Kuschel	2♂♂ 8♀♀
Island Bay stream Tryphena Gt. Barrier Is.	CO	Jan. 1980	R.G. Ordish	1♂ 6♀♀
Tryphena stream, Gt. Barrier Is.	CO	Jan. 1980	R.G. Ordish	13♂♂ 11♀♀
Atiwhakatu stream trib. at Holdsworth	WN	4. 2.1973	R.G. Ordish	3♂♂ 15♀♀

Species totals 193♂♂, 285♀♀

Orchymontia latispina n. sp.

Locality		Date	Collector
Moonstone Lake, Karamea River	NN	7. 2.1973	A. K. Walker 6♂♂ 2♀♀
Surveyors Creek, Karamea Bluff	NN	25. 6.1973	G. Kuschel & J. McBurney 29♂♂ 12♀♀
Simonin Pass Olivine Mts. 1000m	WD	30. 1.73	J. S. Dugdale 1♂

Species total: 36♂♂ 14♀♀

Orchymontia curvipes

Dinner Creek, Lake Hawea	OL	29. 3.1973	G. Kuschel 1♂ 2♀♀
8 km S. Lake Paringa, South Westland	WD	29. 3.1973	G. Kuschel & J. McBurney 1♂
Mt. Hutt University Camp, Otago	MC		G. Kuschel 8♂♂ 15♀♀
Lewis Pass 815 m	BR	11. 4.1973	G. Kuschel 1♂

Species total: 11♂♂ 17♀♀

Orchymontia crassifemur

Cobb Saddle 1030 m	NN	4. 2.1973	G. Kuschel 1♂
Cobb Valley Stream 750m	NN	15. 1.1973	G. Kuschel 1♂ 1♀
Flora Stream	NN	28.12.1972	G. Kuschel 1♂
Lewis Pass 900 m	BR	11. 4.1973	G. Kuschel 2♂♂
Berlins, Buller Gorge	BR	11. 3.1967	I. Townsend 1♂ 2♀♀
Moonstone Lake Karamea	NN	7. 2.1973	A. K. Walker 2♂♂ 2♀♀
Lewis Pass 900 m	BR	11. 4.1972	G. Kuschel 1♂ 2♀♀

Species total: 9♂♂ 7♀♀

ORCHYMONTIA spinipennis Broun

Locality		Date	Collector
Mt Hutt Univ. Camp Stream, Otago	MC	10.12.1973	G. Kuschel 1♂, 1♀
L. Thompson Hut , Te Anau National Park	FD	4.12.1973	D.A. Craig 1♂, 2♀♀
White Bluff Creek, 240m Awatere, Marlborough	MB	13. 4.1973	G. Kuschel & J. McBurney 2♀♀
Hawk Range E 300m	KA	12. 4.1973	G. Kuschel & 80♂♂, 94♀♀ J. McBurney
Whales back, Amuri 440m	KA	12. 4.1973	G. Kuschel & J. McBurney 2♂♂, 3♀♀
Goings Bridge, Lewis Pass 815m		11. 4.1973	G. Kuschel 1♀
Blue Duck, Kaikouras	BR KA	19. 3.1973	G. Kuschel 19♂♂ 19♀♀
Dog Stream, Hanmer 500m	MB	12. 4.1973	G. Kuschel & J. McBurney 20♂♂ 24♀♀
Wandle River, Amuri 390m	KA	12. 4.1973	G. Kuschel & 10♂♂, 10♀♀ J. McBurney
N. of McClennans Mt Hutt	MC	10.12.1973	G. Kuschel 8♂♂, 13♀♀
McClennans Mt Hutt	MC	11.12.1973	G. Kuschel 6♂♂, 6♀♀
Sam Creek WD.	WD	1.xi.1978	R. M. Emberson 3♂♂, 12♀
Hope R. bridge 470 m	NN	11. 4.1973	G. Kuschel 7♂♂, 8♀♀

Species totals 157♂♂, 195♀♀

Orchymontia laminifera n.sp.

Locality		Date	Collector
Simonin Creek Olivine Range 1000 m	WD	27. 1.1975	J. S. Dugdale 2♂♂ 1♀
Simonin Pass Olivine Range	WD	1. 2. 1975	J. S. Dugdale 1♀

Species total: 2♂♂ 2♀♀

Orchymontia dugdalei

Kohukohunui, Hunua	AK	30. 3.1974	J. S. Dugdale 2♂♂ 1♀
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Species total: 2♂♂ 1♀

Orchymontia bidentata

Mangapohue Stream, Waitomo	WO	18. 3.1975	G. Kuschel 2♂♂
Small stream, Lake Waikaremoana N82 455872	GB	19.11.1975	G. Kuschel 6♂♂ 5♀♀

Species total: 8♂♂ 5♀♀

Orchymontia dilatata

Black Birch Stream, Hooker V. McKenzie Basin 750m	MK	2. 4.1977	J. S. Dugdale 5♂♂ 12♀♀
Dinner Creek, Lake Hawea	OL	29. 3.1973	G. Kuschel 3♂♂ 16♀♀
0.5m S. Stocking Creek, Hooker V. McKenzie Basin		4. 4.1977	J. S. Dugdale 9♂♂ 17♀♀
Lindis Pass	CO	28. 3.1973	G. Kuschel & J. McBurney 2♂♂ 5♀♀

Species total: 19♂♂ 50♀♀

Orchymontia calcarata

Locality		Date	Collector
Stream opp. Pyke Creek Haast Pass	WD	29. 3.1973	G. Kuschel 1♂ 1♀
Dinner Creek, Lake Hawea	OL	29. 3.1973	G. Kuschel 2♂♂
Simonin Pass, Olivine Mts. 1000m	WD	30. 1.1975	J. S. Dugdale 1♂ 1♀
			<u>Species total:</u> 4♂♂ 2♀♀

Orchymontia banksiana

Kaituna, Banks Peninsula	MC	20. 3.1973	G. Kuschel 1♂ 11♀♀
Kaituna Stream Banks Peninsula	MC	18.11.1976	R.L.C. Pilgrim + J. S. Dugdale 17♂♂ 44♀♀
			<u>Species total:</u> 18♂♂ 55♀♀

Orchymontia otagensis

Old Woman Range 1371m	CO	2.1974	J. S. Dugdale 3♀♀
N. end Pisa Range 1615m	CO	23.11.1971	J. S. Dugdale 4♂♂ 3♀♀
Leith Valley	DN	23. 3.1973	G. Kuschel & J. McBurney 1♂
Waipori Falls	DN	24. 3.1973	G. Kuschel 5♂♂ 5♀♀
Hawdon Valley	MC	19.10.1972	R.L.C. Pilgrim 1♀
Old Man Range, 1530m Earscleugh source	CO	21. 2.1974	J. S. Dugdale 6♂♂ 6♀♀
Carey Creek, Evansdale	DN	23. 3.1973	G. Kuschel 1♂ 3♀♀
Skippers Road, Coronet Peak 800m	OL	25. 3.1973	G. Kuschel 7♂♂ 11♀♀
			<u>Species total:</u> 24♂♂ 32♀♀

Hydraena zelandica

Distribution; Marlborough and Central Otago, South Island, New Zealand.

Holotype; ♂, Bryant's Stream, Pelorus River Valley, Marlborough, Grid reference NZMS1 S21/877245, 21.ii.1973, J.G.R. McBurney, deposited in NZAC.

Paratypes; 3 ♂♂, 4 ♀♀ same data. 1 ♀, Pukaka Stream, Tuamarina, Grid ref. S22/305155, 21.ii.1973, J.G.R. McBurney. 1 ♀, Central Otago: St. Bathans, Blue Lake, 21.iii.1973, on stones in small creek, J.S. Dugdale. NZAC. 1♂ (slide mounted) Bryants Stream, MB. 21.ii,1973 J.G.R. McBurney, NMNZ.

Locality Data

Meropathus zelandicus n.sp.

Stewart Island

Sealers Bay Codfish Island, Stewart Is. 4 Dec. 1981 B. A. Holloway 1♂
on vertical rocks at splash zone. 1♂

N.E. Long Island, Stewart Island 24 Nov 1968 G. Kuschel
lichens and moss on rocks 3-8' above high tide 1♂

Twilight Bay Port Pegasus, Stewart Island 21 Feb. 1968 supralitoral G. Kuschel 1♀

DN. Carey Bay, Port Chalmers 13 Jan. 1978 sifted beachwrack G. Kuschel 2♀♀

Chathams

Main Dome (South) Mid Sister I. Chatham Is. 24 Nov. 1973

litter 73/152

A. Whittaker & C. J. Robertson 78♂♂ 128♀♀

South East I. Chatham Is. 1 Nov. 1970, Dead kelp J. I. Townsend 20♂♂ 16♀♀

South East I. Chatham Is.

Disphyma austale on coastal rocks

South East I. Chatham Is. 30 m 10 Nov. 1970 litter 70/171 J. I. Townsend

Awatotara beach, Chatham Is. 23 Feb. 1967 under stone on rock G. W. Ramsay 3♂♂ 8♀♀

Mangere I. Chatham Is. 17 Nov. 1970 litter 70/177 J. I. Townsend 2♂♂ 1♀