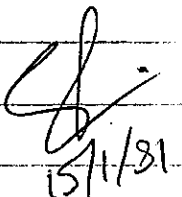


COLLECTING DATA FOR OSORINE STAPHYLINID
BEETLES IN NEW ZEALAND UP TO 1979.

BY H. PAULINE MCCOLL
SOIL BUREAU, LOWER HUTT


15/1/81

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Notochrochus ferrugineus

cut. nos.

N. montanus

Paratrochus foveatus

P. ~~max~~ monstruosus

P. helmsi

P. arrowi

P. vage punctus

P. bifurcatus

P. caecus

P. curvisetis

P. hermes

P. brevisetis

P. fiordensis

P. tardus

P. scapulifer

P. microphthalmus

P. homerensis

P. humilis

P. brevipennis

P. trivialis

P. decipiens

P. hamatus

P. retroflexus

P. tubifer

P. pennatus

P. pubescens

P. tricarinatus

P. flexuosus

P. angulatus

P. anophthalmus

P. insuetis

P. bucinifer

P. parvulus

P. angustus

P. pelorensis

P. aculeatus

P. figulus P. phaselus

Acknowledgments

References

Abstract

Data collected during a systematic review of New Zealand osorine staphylinid beetles are presented for Nototrochus (2 species) and Paratrochus (35 species). Locality, vegetation, altitude, repository, collector, date, latitude and longitude are given.

① Introduction

In the ^{During} course of a study of New Zealand forest floor fauna, and in particular osoriine staphylinid beetles, many samples of litter and humus were collected, and specimens from similar material ~~held~~ by other institutions were examined. As ~~my~~ knowledge of the group grew, so did the amount of ^{collected} data, ^{collected} relating to ~~coll~~ and I felt that this would have more meaning if presented in full, rather than in an abbreviated form in the systematic review of the group (McColl, 1981). These

data ^{are} presented here, and includes material examined up to the end of 79. ~~I regard~~ The plant species contributing to the litter and humus ^{are considered to have} an important influence on the fauna, ~~and~~ yet only rarely has this information been given in taxonomic works on litter-dwelling groups, largely ^{because of} due to limitations of space.

② Methods

Samples of organic horizons of forests were collected ~~into~~ cotton bag and extracted ^{as soon} within a short time as possible into 70% ethanol using simple Tullgren funnels extractors. Specimens were sorted, sexed and counted from the extracted material.

Locality names were checked using the Gazetteer of New Zealand Place Names, 1968.

~~and~~ coordinates of latitude and longitude are given rather than map grid references, ^{which} as ~~the latter~~ can only be used if the correct map series is available. ^{Vegetation, where known, is given} Plants are listed under their scientific ⁽¹⁹⁶³⁾ names, largely after Poole and Adams, ^{to avoid confusion which} arises when ~~the~~ species have the same common name. ^{Altitude} Height above mean sea level is given in metres. Type localities are underlined.

Male and female numbers are given separately, ^{where} if ~~available~~ ^{where}. Blanks in the other columns indicate data not available.

necessary? if so need to indicate by first

① Abbreviations

1. Region

The regional abbreviations used are those of Crosby et al. (1976). Those used in this report are as follows:

North Island

AK - Auckland
BP - Bay of Plenty
CL - Coromandel
GB - Gisborne
ND - Northland
RI - Rangitikei
TK - Taranaki
TO - Taupo
WA - Waikarapa
WI - Wairarapa
WN - Wellington
WO - Waikato

South Island

BR - Buller
FD - Fiordland
KA - Kaikoura
MB - Marlborough
MC - Mid Canterbury
NC - North Canterbury
NN - Nelson
OL - Otago Lakes
SD - Marlborough Sounds
SL - Southland
WD - Westland

2. Sample numbers

Numbers refer to litter samples collected by Entomology Division, ~~B~~ DSIR, except those with an asterisk (*), which were collected by me. All material collected from these samples is in the NZAC. 'D' indicated dried specimens.

3. Repositories (Repos.)

BMNH - British Museum (Natural History), London
FMNH - Field Museum of Natural History, Chicago
ISNB - Institut Royal des Sciences Naturelles de Belgique, Brussels
NMAZ - National Museum of New Zealand, Wellington
NZAC - New Zealand Arthropod Collection, Department of Scientific and Industrial Research
OMNZ - Otago Museum, Dunedin

4. Collectors (Coll)

| | | | |
|-----|-----------------|----------------|------------------------------|
| FDA | FD Alcock | BMM | B.M. May |
| KAA | KA Ash | LPM | L.P. Marchant |
| AEB | A.E. Brooks | HPM | H.P. MacCall |
| ESB | E.S. Brooks | JGM | J.G.M. Burney |
| TB | T. Brown | MJM G.M. | M.J. Meads |
| | | JHM | J.H. McMillan |
| | | MJM | M.J. Meads |
| PCB | P.C. Bull | G.M. | Go Maw |
| | | AGO | R.G. Ordish |
| MC | M. Cameron | | |
| GCC | G.C. Champion | | |
| TFC | T.F. Cheeseman | | |
| LEC | L.E. Christie | GWR | G.W. Ramsay |
| TKC | T.K. Crosby | | |
| RAC | R.A. Cumber | HAR | H.A. Richardson |
| DGD | D.G. Dawson | JR | J. Rudge |
| AWD | A.W. Don | | |
| APD | A.P. Druce | | |
| JSD | J.S. Dugdale | JTS | J.T. Salmon |
| SE | S. Eldridge | P.S. P.L.S. | P.S. Sandager P.L. Searle |
| MJE | M.J. Esson | DS | D. Sharp |
| ACE | A.C. Eyles | SMS | S.M. Silcock |
| | | WS | W. Steeles |
| EF | E. Fairburn | BWT | B.W. Thomas |
| AAF | C.A.A. Faulvel | JIT | J.I. Townsend |
| LMF | L.M. Forster | KWV | K.W. Vincent |
| BMF | B.M. Fitzgerald | | |
| RRE | R.R. Forster | AKW | A.K. Walker |
| CDF | C.D. Freeman | GDW | G.D. Walker |
| | | JJW | J.J. Walker |
| BBG | B.B. Given | NAW | N.A. Walker |
| ESG | E.S. Gourlay | JCW | J.C. Watt |
| | | KZW | K.Z. Wilson |
| | | CLW | C.L. Wilton |
| | | BFW | G.F. Woods |
| TH | T. Hall | | |
| JFH | J.F. Harris | | |
| RAH | R.A. Harrison | | |
| AJH | A.J. Healy | | |
| JCH | J.C. Heine | | |
| RH | R. Helms | | |
| BAH | B.A. Holloway | | |
| DVH | D.V. Holloway | | |
| GVH | G.V. Hudson | | |
| LCH | L.C. Hudson | | |
| EH | E. Hunt | | |
| BJK | B.J. Karl | | |
| DJK | D.J. Kershaw | | |
| GK | G. Kuschel | | |
| RL | R. Lee | | |
| JHL | J.H. Lewis | | |
| MBL | M. Luxton | | |

Number in brackets indicate collection as follows:

(1)
(2)

(7)

Numbers in brackets indicate collections as follows :

- (1) A.E. Brookes Collection NZAC
- (2) T. Brown Collection BMNH
- (3) M. Cameron Bequest BMNH
- (4) G.C. Champion Collection
- (5) D. Sharp Collection
- (6) W. Steel Collection BMNH
- (7) C.E. Clarke Collection BMNH

Nototrochus ferrugineus

Parasitophylocystis species

SIR (H.O.) 20

| North Island | Full extent | ♂ | ♀ | Alt. (m) | Sample no. | Notes | Coll. method | date | lat. long. | 100g. wt |
|--------------|--|-----|----|----------|------------|-------|--------------|----------|------------|----------|
| ND | Puketia State Forest | | 2 | 305 | 72/53 | NZAC | GWR | 20.1.72 | 35 13 | 173 41 |
| | <i>Podocarpus totara, Dysosyllum spectabile</i> | | | | | | | | | |
| | <i>Bellschmidia taairi, B. tawa, Pittosporum sp</i> | | | | | | | | | |
| | Kerikeri | 6 | 5 | 20 | 72/50 | NZAC | GWR | 20.1.72 | 35 14 | 173 51 |
| | Kerikeri State Highway 12 | 11 | 11 | | | NMNZ | | 11.79 | " | " |
| | Ngaitonga Scenic Reserve | 1 | 1 | | 72/52 | NZAC | GWR | 20.1.72 | 35 19 | |
| | <i>D. spectabile, B. taairi, Lythraea</i> | | | | | | | | | |
| | Tapuhi | 2D | | 122 | | NZAC | EF | 11.11.71 | 35 28 | 174 13 |
| | | 3D | | | | NZAC | EF | 17.11.71 | | |
| | | 1D | | | | NZAC | EF | 21.12.71 | | |
| | Whangarei 3 mile bush | 2D | | | | NZAC | BBG | 24.11.44 | 35 43 | 174 20 |
| | Parau Bay | 1 ♀ | ? | | 61/10 | NZAC | GK | 6.12.61 | 35 47 | 174 26 |
| AK | Woodhill near Kaipara Railway | | 1D | 15 | | BMNH | TB(1) | | 36 41 | 174 26 |
| Moeia | Type locality | | | | | | | | | |
| | Waitakere | | 1D | | | BMNH | TB(1) | | 36 51 | 174 33 |
| | Waitakere | 2D | | | | NZAC | AEB | 26.10.14 | 36 51 | 174 3 |
| | Titirangi | 2 | 1D | | | BMNH | TB(1) | 30.1.15 | 36 56 | 174 33 |
| | Titirangi | 2D | | | | NZAC | AEB(2) | | | |
| | Waitakere Range, Destruction Gully | 2 | 1 | 183 | | NZAC | HPM | 10.9.75 | 37 01 | 174 3 |
| | <i>Melicope ramiflora</i> (wet) | | | | | | | 2.11.11 | | |
| | Epsom | 3D | 2D | | | BMNH | TB(2) | 2.1.12 | 36 53 | 174 46 |
| | Epsom | 1D | | | | FMNH | TJW* | 12.2.12 | 36 53 | 174 46 |
| | Huckland | | 1D | | | BMNH | D.S(5) | | | |
| | Huia Bay | 1 | | 30 | | NZAC | BMM | 15.4.70 | 37 00 | 174 34 |
| | Papakura | 2D | | 20 | | NZAC | ESG | 19.10.35 | 37 03 | 174 51 |
| | Kirk Memorial Park, Papakura | 1 | | 20 | 7/77* | NZAC | HPM | 15.2.77 | 37 03 | 174 5 |
| | <i>B. taairi, Geniostoma linguatrilobum</i> | | | | | | | | | |
| | Hunua, Drury | 1D | | | | BMNH | TB(2) | | 37 05 | 175 04 |
| | Ponga Bush | 2 | 1 | 300 | 73/1 | NZAC | BMM | 4.1.73 | 37 06 | 175 01 |
| | <i>B. taairi, M. ramiflorus, Rhipogonum scandens</i> | | | | | | | | | |
| | <i>Ercyinetia, podocarps, [feras and ferns]</i> | | | | | | | | | |
| | Ponga Road, Opabeke | 1 | 2 | 274 | 10/77* | NZAC | HPM | 15.2.77 | 37 07 | 175 01 |
| | <i>B. taairi</i> and ponga roots | | | | | | | | | |
| | Ponga Road, Opabeke | 1 | 1 | 274 | 11/77* | NZAC | HPM | 15.2.77 | 37 07 | 175 01 |
| | <i>Podocarpus ferrugineus</i> and fallen epiphyte | | | | | | | | | |
| | Maketu Stream, | 1 | ? | 152 | 73/3 | NZAC | BMM | 25.12.72 | 37 08 | 174 58 |
| | Mixed bush with <i>Myrtus bullata</i> | | | | | | | | | |
| | Maketu Stream, | | 2 | 152 | 73/4 | NZAC | BMM | 28.12.72 | 37 08 | 174 51 |
| | <i>B. taairi, M. ramiflorus, R. scandens</i> | | | | | | | | | |
| | <i>Ercyinetia, podocarps, ferns and ferns</i> | | | | | | | | | |
| | Maketu Stream, | 1 | 1 | 152 | 73/5 | NZAC | BMM | 4.1.73 | 37 08 | 174 52 |
| | As above | | | | | | | | | |
| CL | Great Barrier Island, Port Fitzroy | 1D | 1D | | | BMNH | AEB(6) | 31.1.62 | 36 10 | 175 2 |

| | | | | ♂ | ♀ | alt. (m) | Samplern | Mpos | colln | date | lat. long | long. lat |
|--------------|---|--|--|-----|------|-------------|----------|------|----------------|----------------------|--------------|--------------|
| | Great Barrier Island, Whangaparapara | | | 1 D | 1 D | | B | BMNH | AEB (6) | 17-29-13 | 36 14 | 175 24 |
| | " | | | 1 D | 2 D | | B | NZAC | AEB (1) | 17-29-13 | 36 14 | 175 24 |
| | Little Barrier Island | | | 1 D | | | B | BMNH | AEB (6) | 28-12-31- 10-1-32 | 36 12 | 175 05 |
| | Coromandel, Manaia Hill | | | 1 D | | | B | NZAC | RAC | 19-3-67 | 36 51 | 175 30 |
| WO | Te Araroa | | | | 1 D | | B | BMNH | JJW GEE (4) | 2-5-02 | 37 32 | 175 33 |
| | Raglan, leaf mould | | | 1 D | | | B | NNNZ | AJH | 13-12-47 | 37 42 | 174 52 |
| | Piungia | | | 1 D | | 460 | B | BMNH | TB (2) | | 38 00 | 175 10 |
| | South Waikato | | | 1 | | | 65/157 | NZAC | NAW | 16-4-65 | 38 09 | 175 12 |
| | Podocarpus | | | | | | | | | | | |
| BP | Rotecua, Hongi's Track, leaf mould | | | | 1 D | | B | NNNZ | RGD | 28-10-69 | 38 02 | 176 30 |
| | Rotarua, Lake Rotarua, 4 mile bush | | | | 2 D | | B | NZAC | AEB | 2-27 | 38 03 | 176 35 |
| | Rotarua/Whakatane State Highway | | | | 3 D | | B | NNNZ | RGD | 12-66 | 38 04 | 176 37 |
| | Rotarua, Lynmore State Forest, leaf mould | | | | 1 D | | B | NNNZ | JEH | 27-7-69 | 38 09 | 176 17 |
| | leaf mould | | | | | | | | | | | |
| | Waimana Valley | | | | 1 D | | B | BMNH | MC (3) | | 38 09 | 177 01 |
| | Waimana Valley | | | | 2 D | | B | NZAC | | 2-27 | 38 09 | 177 0 |
| GB | Lake Waikaremoana | | | 1 D | | 700 | 72/17 | NZAC | GWR | 17-1-72 | 38 45 | 177 01 |
| | B. taua | | | | | | | | | | | |
| TO | Tokaanu, Lake Taupo | | | | 1 D | | B | BMNH | WS (6) | 5-5-17 | 38 58 | 175 47 |
| | Tokaanu, Lake Taupo | | | 1 D | | | B | NZAC | AEB (1) | 10-5-17 | 38 58 | 175 47 |
| | Waimarino, National Park | | | | 2 D | | B | BMNH | GMH ME (3) | | 39 11 | 175 21 |
| WN | Levin | | | | 1 D | | B | BMNH | WS (6) | 22-11-09 | 40 37 | 173 17 |
| | Levin | | | 2 D | 2 D | | B | NZAC | | | 40 37 | 173 17 |
| | Levin | | | | 16 D | | B | NZAC | H AR | 20-1-32 | 40 37 | 173 17 |
| | Korokoro, Wellington | | | | 2 D | | B | BMNH | GVH (3) | | 41 13 | 174 51 |
| South Island | | | | | | | | | | | | |
| NN | Cawthron Park | | | 1 D | 1 D | | B | NZAC | AEB (1) | 23-11-25 | | |

| South I. Island | | ♂ | ♀ | alt. (m) | sample no. / # | repos. | collected | date | lat. long. | lat. long. |
|-----------------|---------------------------------------|-----|----|----------|----------------|--------|-----------|------------------------|------------|------------|
| KA | Mount Alexander, Putipuhi | 2 | | 1197 | 66/319 | NZAC | AKW | 12.10.66 | 4219 | 17343 |
| | mass under <i>Pisona radiata</i> | 17 | 12 | " | 66/320 | " | " | " | " | " |
| BR | Greymouth | 2D | | - | 2 | BMNH | DS(5) | | | |
| WD | Mount Cook, near The Hermitage | 13D | | 763 | 2 | BMNH | ES(2) | | 4344 | 17006 |
| | Type locality | ID | | | | | | | | |
| | Hooker Valley, near Mt. Cook | ID | | | | NZAC | AEB(1) | 2.1.43 | 4344 | 17008 |
| | Sealy Range | ID | | | | NZAC | AEB(1) | ¹⁰⁻¹⁸⁺ 3.53 | 4346 | 17003 |
| | Woodhen Creek - grazing flat | 27 | 25 | 61 | 19/78 | NZAC | BJK | 13.3.78 | 4410 | 16829 |
| | Lake Alabaster, west side of airstrip | | 1 | | 67/17 | NZAC | AKW | 11.1.67 | 4431 | 16810 |
| | very dry beech litter | | | | | | | | | |
| MC | Mount Algidus Canterbury | ID | | | | NZAC | AEB(1) | | 4314 | 17121 |
| | Wilberforce River | ID | | 595 | 2 | NZAC | ESG | 15.1.48 | | |
| | Oakden | ID | | | | NZAC | AEB(1) | 23.9.73 | 4315 | 17125 |
| | Scotts Gully near Methven | ID | | | | NZAC | TH | 3.1.13 | 4338 | 17138 |
| | Rakaia | ID | | | | BMNH | TR(2) | 9.10.12 | 4345 | 17201 |
| FD | Moa Basin | ID | | | | NZAC | AEB(1) | 20.10.13 | 4513 | |
| | Moa Basin | 2D | | | | NZAC | TH(1) | | 4513 | |

Paratrochus monstrosus

SIR (HO.) 20

| South Island | ♂ | ♀ | alt. (m) | sample no. | repos. | collected | date | lat. long. | long. lat. |
|--|-----|---|----------|------------|--------------|--------------|----------|------------|------------|
| FD Highfalls Creek, Hollyford road mass, lichen, <i>Nothofagus</i> seedlings | | 1 | | 66/484 | NZAC | AKW | 10.12.66 | 44 46 | 168 09 |
| Takahē Valley, Murchison Mountains <i>Olearia muschata</i> , <i>Coprosma</i> sp. | 6 | 8 | | 72/271 | NZAC | ACE | 11.12.72 | 45 12 | 167 23 |
| Takahē Valley Murchison Mountains <i>Dracophyllum</i> sp. | 2 | 1 | | 72/272 | NZAC | ACE | 11.12.72 | 45 12 | 167 23 |
| Takahē Valley, Murchison Mountains, Upper Turret Range, moss, beech | 1 D | | | | NMNZ | PCB | 20.2.54 | 45 12 | 167 23 |
| Mount Barber, Wilmot Pass <i>Olearia crosby-smithii</i> sp. <i>colensoi</i> | 4 | 1 | 900 | 70/75 | NZAC | GWR | 23.1.70 | 45 30 | 167 13 |
| Wilmot Pass mass, <i>Olearia ilicifolia</i> , <i>Coprosma</i> sp., moss | 4 | | 630-800 | 70/34 | NZAC | ACE | 21.1.70 | 45 31 | 167 13 |
| Wilmot Pass (2♂ and 1♀ deposited at BMNH) | 3 | 1 | 300-300 | 70/64 | BMNH NZAC | ACE | 21.1.70 | 45 31 | 167 13 |
| Wilmot Pass <i>Ourisia crosbyi</i> , mosses | | 1 | 750 | 70/79 | NZAC | JSD | 22.1.70 | 45 31 | 167 13 |
| Wilmot Pass <i>Metrosideros umbellata</i> , <i>Podocarpus ferrugineus</i> , <i>Nothofagus menziesii</i> | 1 D | | 400 | 70/145 | NZAC | JIT | 21.1.70 | 45 31 | 167 13 |
| Wolfe Flat, Turret Range <i>Nothofagus menziesii</i> , <i>Griselinia littoralis</i> , <i>Coprosma</i> sp. | 2 | 1 | 600 | 70/70 | NZAC | JGM | 23.1.70 | 45 32 | 167 20 |
| Spey River, western Manapouri, mats Mount Burns Hunter Mountains <i>N. menziesii</i> , <i>Coprosma</i> sp., fern | 3 | | 180 | 70/62 | NZAC | ACE | 19.1.70 | 45 35 | 167 14 |
| Mount Burns Hunter Mountains | 1 | | 760 | 70/11 | NZAC | JGM | 9.1.70 | 45 44 | 167 25 |
| Mount Burns Hunter Mountains <i>Dracophyllum prostratum</i> | 1 | 1 | 1300 | 70/4 | NZAC | JIT | 10.1.70 | 45 44 | 167 25 |
| Kaherekaia Mountains (Lake Monowai) | 2 | | 915 | 63/2 | NZAC | JIT | 29.1.63 | 45 53 | 167 23 |
| Lake Hauroka <i>Nothofagus punga</i> , <i>Carpodetus serratus</i> | 2 | 3 | | 66/472 | NZAC | FDA | 12.2.66 | 45 57 | 167 18 |
| <i>punga</i> , <i>Blechnum</i> fern | | | | | | | | | |
| Hump Ridge Type locality | 1 D | | | | | FANH TB | 2.2.12 | 46 08 | 167 13 |
| Hump Ridge | 1 D | | | | | BMNH TB (2) | 2.2.12 | 46 08 | 167 13 |
| Hump Ridge | 2 D | | | | | NZAC EF | 12.3.39 | 46 08 | 167 19 |
| The Hump, Hump Ridge | 2 D | | 915 | | | NZAC TB | 6.2.12 | 46 07 | 167 20 |
| SL Longwood Range | 1 D | | 610 | 62/19 | NZAC | JIT | 25.11.62 | 46 13 | 167 51 |
| Longwood Range <i>N. menziesii</i> , <i>Dracophyllum</i> sp., moss, <i>Coprosma</i> sp. | 1 | | 610 | 76/36 | NZAC | GWR | 8.2.76 | 46 13 | 167 51 |
| Hump Ridge | 1 D | | | | | BMNH M.C (3) | | 46 08 | 167 15 |

Paratrochus helmsi cont.

| South Island | | ♂ | ♀ | alt. (m) | Sample no. | repos. | collector | date | lat. long. | SIR (HO) 20 |
|--------------|--|-----|-----|----------|------------|--------|-----------|----------|--------------|-------------|
| BR | Paparoa Range, Lake or Mount Priestley | | 1 | 930 | 69/241 | NZAC | JGM | 10.12.69 | 42 04 171 32 | |
| | Paparoa Range, Mount Dewar | | 1 D | 1060 | 69/260 | NZAC | " | 8.12.69 | 42 05 171 33 | |
| | mass | 14 | 13 | " | 69/263 | " | " | " | " | |
| | Paparoa Range, Lochnagar Ridge | | 3 D | 1310 | 69/247 | NZAC | " | " | 42 06 171 33 | |
| | Reefers Saddle | 1 | | | | NZAC | JIT | 1.12.69 | 42 08 171 48 | |
| | Wallaby Creek | 2 | 1 | | 72/166 | NZAC | JSD | 20.9.72 | 42 28 171 32 | |
| | <u>Notofagus fusca</u> | | | | | | | | | |
| - | Mawhera State Forest, semi pakihī site. | 3 | 1 | 305 | 71/143 | NZAC | JSD | 10.11.71 | 42 30 171 33 | |
| - | <u>Metrosideros umbellata</u> , <u>Dacrydium celensei</u> | 12 | 7 | " | 71/144 | " | JEM | " | " | |
| - | <u>D. bifforme</u> , <u>Leptospermum scoparium</u> | 1 | 1 | " | 72/95 | " | " | 27.1.72 | " | |
| | | | 1 | " | 72/98 | " | " | " | " | |
| | | 1* | 2 | | 72/102 | " | JSD | " | | |
| | | 4 | 2 | | 72/109 | " | JGM | 7.3.72 | | |
| | | | 3 | | 72/116 | " | JSD | 8.3.72 | | |
| | | 1 | 1 | | 17/72* | NZAC | HPM | 27.1.72 | | |
| | | | 1 | | 42/72* | " | " | 7.3.72 | | |
| | | | 3 | | 43/72* | " | " | " | | |
| | | 2 | 1 | | 64/72* | " | " | 18.4.72 | | |
| | | | 3 | | 84/72* | " | " | 11.7.72 | | |
| | Tutty's Plateau | | 1 | | 72/164 | NZAC | JSD | 20.9.72 | | |
| | <u>Dacrydium cupressinum</u> , <u>Quintinia serrata</u> | | | | | | | | | |
| | Rapahoe, Greymouth | | 1 | 100 | 63/19 | NZAC | GK | 29.5.63 | 42 23 171 15 | |
| | Greymouth | 2 D | 2 D | | | | IRNS | CAA F | | |
| | Type locality (nitidorsis) | 1 D | 1 D | | | | BMNH | JHL (2) | | |
| | (setigerus) | | 1 D | | | | BMNH | JHL (2) | | |
| WD | Flagstaff 2, Soil Bank Ref. Site | 2 | | | 11/79* | NZAC | HPM | 20.3.79 | 42 41 171 11 | |
| | <u>D. cupressinum</u> , <u>Podocarpus hallii</u> | 2 | 5 | | 12/79* | | | | | |
| | <u>D. bidwillii</u> | | | | | NZAC | ESG | 8.1.57 | 42 46 171 20 | |
| | Flagstaff 2, Soil Bank Ref. site | 2 | 1 | | 12/79* | NZAC | AEB (1) | 22.3.69 | 42 57 171 11 | |
| | <u>W. racemosa</u> , <u>Q. serrata</u> , <u>Coprosma</u> spp., | | | | | | | | | |
| | mess. | | | | | | | | | |
| | Wainihinihi | 1 D | | | | NZAC | ESG | 8.1.57 | 42 46 171 2 | |
| | Lake Kaniere | 2 D | | | | NZAC | AEB (1) | 22.3.69 | 42 57 171 11 | |

Paratrochus arrowi

| South Island | | ♂ | ♀ | alt. | sample | repos. | collected | date | lat. | long. | img. |
|--------------|---|------|--------|------|---------------------|--------|-----------|----------|-------|-------|--------|
| SOUTH I. | | HAST | SANALE | (m) | NO. # | | | | | | loc. |
| NN | Pakawau State Forest | | 1 | | 71/105 | NZAC | JSD | 28.5.71 | 40 36 | | 172 41 |
| | Quintinia, Nothofagus truncata | | | | | | | | | | |
| | Near Mangaraku Sawmill | 5 | 6 | 305 | 67/231 | NZAC | FDA | 22.8.67 | 40 38 | | 172 29 |
| | Nothofagus ^{sp.} , Dacrydium alpressianum, Weinmannia racemosa | | | | | | | | | | |
| | Heaphy Track, Brown River | 2 | 1 | | 67/238 ^E | NZAC | FDA | 22.8.67 | 40 51 | | 172 57 |
| | Cyathea dealbata, Agathis australis,? Besleria tawa, Weinmannia silvicola, Dacrydium alpressianum, Podocarpus feruginus, Metrosideros ^{robusta} Rhododendron scandens, Dracophyllum latifolium, Freycinetia ^{sp.} , Alseosmia macrophylla, Astelia ^{sp.} , Akama | | | | | | | | | | |
| | Mount Domett, Lake Aroere ^{3 moss} | 6 | 5 | 914 | 71/165 | NZAC | JGM | 30.11.71 | 41 03 | | 172 20 |
| | Mount Domett, Lake Aroere, ³ Chionochloa pallens | 2 | 1 | 1260 | *5/77 | NZAC | APD | 2.2.77 | 41 03 | | 172 20 |
| | Mount Domett | | 2 | 1525 | 71/161 | NZAC | JSD | 30.11.71 | 41 04 | | 172 19 |
| | Chionochloa ^{crossiuscula} , Dracophyllum ^{sp.} , Colmisia ^{sp.} | | | | | | | | | | |
| | Mount Domett | | 1 | 1250 | 71/178 | NZAC | GK | 30.11.71 | 41 04 | | 172 19 |
| | Astelia ^{sp.} | | | | | | | | | | |
| | Lake Sylvester, Cobb | 1 | | 1311 | 69/127 | NZAC | JSD | 31.3.67 | 41 06 | | 172 38 |
| | Dracophyllum bidwilli | | | | | | | | | | |
| | Balloon Hut | | | | | NZAC | | 22.1.63 | 41 10 | | 172 49 |
| | Mount Arthur Tableland | | | | | NZAC | | | 41 11 | | 172 35 |
| | Mount Arthur (upper bush) | 5 | 4 | 1219 | 66/226 | NZAC | GK | 4.2.65 | 41 13 | | 172 41 |
| | Nothofagus, Podocarpus totara, Leptospermum ericoides, ^{UB} Muehlenbeckia ^{sp.} , Karamia | | | | | | | | | | |
| | Mount Arthur (upper bush) | | 3 | 1180 | 69/227 | NZAC | JIT | 19.11.69 | 41 13 | | 172 41 |
| | Mount Arthur (" ") | 7 | 1 | 1280 | 71/87 | NZAC | ACE | 21.3.71 | " | | " |
| | Dracophyllum | | | | | | | | | | |
| | Karamia Valley | 1 | 1 | | 67/218 | NZAC | FDA | 21.6.67 | 41 13 | | 172 20 |
| | Freycinetia banksii, Metrosideros umbellata, Rhododendron scandens, ferns | | | | | | | | | | |
| | Oparara Riv, Karamia | 1 | | | 71/47 | NZAC | JIT | 11.3.71 | 41 14 | | 172 08 |
| | Melicactus ramiflorus, ^{SP?} Uncia ^{sp.} , ^{SP?} Coprosma, Cyathea medullaris | | | | | | | | | | |
| | Oparara Riv, Karamia | 1 | 1 | | *10/78 | * NZAC | PLS, GM | 17.3.78 | 41 14 | | 172 05 |
| | Nothofagus, podocarps | | | | | | | | | | |
| | Oparara Riv, Karamia | 2 | 2 | | *11/78 | * NZAC | PLS, GR | 17.3.78 | 41 14 | | 172 0. |
| | podocarps, hardwood | | | | | | | | | | |
| | Karamia Bluff Summit Scenic Reserve, podocarp / beech | 29 | 15 | 420 | *12/78 | * NZAC | PLS, GM | 17.3.78 | 41 31 | | 172 01 |
| | Mixed forest (6♂ 6♀ deposited at BMNH) | 1 | | | *23/78 | " | " | 23.3.78 | " | | " |

SIR (HO.) 20

Paratrochus arrowi

| South Island | | ♂ | ♀ | alt. ²¹⁶ 216 ^{THICK} (m) | Sample ^{NO} NO ^{NO} | DEPOS. | collected | date | lat. ^{SIR (HO) 20} ^{long} | long. ^{lat.} |
|--------------|--|---|---|---|--|--------|-----------|----------|---|-----------------------|
| South I | Mount Owen | 1 | 1 | | | BMNH | T/B | 26.12.46 | 41 33 | 172 32 |
| | Type locality | | 1 | | | BMNH | T/B(2) | 26.12.46 | 41 33 | 172 32 |
| | Denniston | 2 | 1 | | 67/214 | NZAC | FDA | 25.6.67 | 41 44 | 171 48 |
| | <u>Nothofagus sp., Phormium sp., Coprosma sp.,</u> | | | | | | | | | |
| MB | Wairau Valley St Rowans | | 1 | 731 | 66/297 | NZAC | JIT | 7.4.66 | 41 56 | 172 54 |
| | <u>Nothofagus solandri</u> | | | | | | | | | |
| | Upper Wairau Valley Schroedess Creek | | 1 | 739 | 66/294 | NZAC | LPM | 7.9.66 | 41 56 | 172 54 |
| | <u>N. solandri, Polytrichum, mosses</u> | | | | | | | | | |
| BR | Mount Robert | | 1 | 1220 | | NZAC | | 29.1.46 | 41 50 | 172 41 |
| | Boatman's Creek Reefton | | 1 | | | NZAC | TB.(1) | | 42 03 | 171 53 |
| | Kirwan's Hill | | 1 | 1220 | | NZAC | | 26.10.46 | 42 06 | 171 01 |
| | Manna Springs Lewis Pass | | 1 | | | BMNH | MC(3) | | 42 23 | 172 20 |
| | " " " " | | 1 | | | NZAC | ESS | 7.9.48 | " | " |
| | " " " " | 2 | 2 | 610 | 61/3 | NZAC | GK | 19.11.61 | " | " |
| | Lewis Pass <u>Nothofagus sp.</u> | | 2 | | 65/109 | NZAC | NAW | 23.3.65 | 42 24 | 172 24 |
| | <u>N. solandri solandri</u> | 3 | 4 | | 65/112 | " | AKW | " | " | " |
| | <u>N. solandri</u> | 1 | | | 65/115 | " | NAW | " | " | " |
| | Greymouth | 1 | | | | BMNH | D | | | |
| | Mahurangi State Forest | | 6 | | 72/115 | NZAC | JGM | 9.3.72 | 42 47 | 170 55 |
| | <u>Pinus radiata</u> | | | | | | | | | |
| WD | Mount Greenland | | 7 | | | BMNH | CEC(1) | 16.1.43 | 42 57 | 170 50 |

Paratrochus vagepunctus

SIR (H.O.) 20

North Island

| | | | ♂ | ♀ | Alt. Hght (m) | Sample Sp. No. | reps. | collected | date | lat. Long | long. lat. |
|----|---|-----------------|----|----|---------------|----------------|-------|-----------|----------|-----------|------------|
| AK | Epsom | BMNH | | 10 | | 9 | BMNH | TB (2) | ?-12-? | 36 53 | 174 46 |
| WO | Te Anaha | | 1 | | | 64/103 | NZAC | GK | 26.9.66 | 37 32 | 175 45 |
| | Mount Pirongia | | 1D | | | | BMNH | TB (2) | | | |
| | Mount Pirongia | | | 2D | | 8 | BMNH | TB (2) | ?-12-09 | 37 59 | 175 06 |
| | Mount Pirongia | | | 2D | | 8 | NZAC | T.B. (1) | ?-12-09 | | |
| | Mount Pirongia, Bunt Spur track | | 1 | 3 | 460 | * 47/77 | NZAC | HPM | 28.7.77 | 37 58 | 175 07 |
| | <i>Weinmannia racemosa</i> , <i>Beilschmiedia tawa</i> | | | | | | | | | | |
| BP | Kaimai Range | | | 4 | | 72/30 | NZAC | GWR | 18.1.72 | | |
| | <i>Beilschmiedia tawa</i> | | | | | | | | | | |
| | Kaimai Range Summit | | 1 | 1 | | 72/31 | NZAC | GWR | 18.1.72 | | |
| | <i>B. tawa</i> | | | | | | | | | | |
| | Mamaku Range | | | 3 | | 72/75 | NZAC | GWR | 18.1.72 | | |
| | <i>Beilschmiedia tawa</i> | | | | | | | | | | |
| | Tarawera Nat. Park | | 1D | | | 8 | NZAC | MBL | 12.5.65 | 38 02 | 176 33 |
| | podocarp / beech | | | | | | | | | | |
| TO | Tuhua Saddle, Taumarunui | | 1 | | | | OMNZ | RRF | 10.1.67 | | |
| | Desert Rd ^{oad} Turangi | | 1D | | 610 | 72/58 | NZAC | GWR | 13.1.72 | 39 03 | 175 46 |
| | <i>Dacrydium cupressinum</i> , <i>Weinmannia racemosa</i> , <i>Melicope ramiflora</i> , <i>Pseudowintera colorata</i> | | | | | | | | | | |
| | Kaimanawa Forest Park | | | 1 | 700 | 10/74* | NZAC | HPM | 24.1.74 | 38 59 | 176 10 |
| | <i>Nothofagus menziesii</i> , <i>N. fusca</i> , | | 1 | 4 | | 11/74* | " | " | " | | |
| | <i>W. racemosa</i> , <i>P. colorata</i> , <i>Myrsine</i> | | 9 | 4 | | 12/74* | " | " | " | | |
| | <i>divaricata</i> , <i>Coprosma foetidissima</i> | | 1 | | | 14/74* | " | " | 17.5.74 | | |
| | (2♂ and 1♀ deposited at BMNH) | | 1 | 1 | | 15/74* | " | " | " | | |
| TK | Mt Messenger | | 2 | 6 | 200 | | NZAC | HPM | 27.10.75 | 38 53 | 174 36 |
| | <i>Weinmannia racemosa</i> | | | | | | | | | | |
| | Mount Messenger | | | 2 | 200 | 38/77* | NZAC | HPM | 26.7.77 | 38 53 | 174 36 |
| | <i>W. racemosa</i> , <i>Astelia</i> ^{sp.} <i>Gleichenia</i> ^{sp.} | | 1 | | 200 | 39/77* | " | " | " | " | " |
| | | | | 8 | 200 | 39/77* | NZAC | HPM | 26.7.77 | 38 53 | 174 36 |
| | Pukitū Rhododendron Trust, Egmont | | 2 | 8 | 366 | | NZAC | HPM | 26.10.75 | 39 12 | 173 5 |
| | " " " | | | 1 | 366 | | NZAC | RL | 27.11.75 | 39 12 | 173 5 |
| | <i>W. racemosa</i> , <i>Persea</i> , <i>Neopanax</i> _(<i>arborescens</i>) | | | | | | | | | | |
| | Type locality unknown | | 1D | 2D | | | ISNB | CAAF? | | | |

Paratrochus bifurcatus

SIR (H.O.) 20

| South Island SOUTH I. | | | ♂ | ♀ | alt. (m) | sample number | repar. | collected | date | lat. long. | 1000 lat. |
|--------------------------|---|--|---|---|-------------|------------------|--------|-----------|----------|---------------|--------------|
| NN | Takaka Hill (paratype) | | 1 | | 148 | 67/92 | NZAC | JIT | 27.2.67 | 40 51 | 172 48 |
| | <i>Nothofagus menziesii</i> , <i>N. solandri solandri</i> | | | | | | | | | | |
| Canaan | | | 4 | 3 | 650 | 66/137 | NZAC | JIT | 18.4.66 | 40 56 | 172 52 |
| | Type locality | | | | | | | | | | |
| | <i>N. menziesii</i> , <i>N. fusca</i> | | | | | | | | | | |
| Canaan (paratype) | | | 1 | | | 64/31 | NZAC | JIT | 16.3.64 | 40 56 | 172 5 |
| Canaan | | | 1 | | | | NZAC | JIT | 20.10.69 | 40 56 | 172 5 |
| | Associated with <i>Huberia striata</i> | | | | | | | | | | |
| | (paratype) | | | | | | | | | | |

| <u>Paratrocchus hermes</u> | | ♂ | ♀ | ² alt. (m) | sample no. | repos. | coll. | date | lat. | long. |
|--|--|----|----|-----------------------------|---------------|--------|-------|----------|-------|--------|
| North Island | | | | | | | | | | |
| TK | Mount Messenger | 1 | | 200 | 66/191 | NZAC | AKW | 21.6.66 | 38 53 | 174 36 |
| <u>Elatosterna rugosum</u> , ferns | | | | | | | | | | |
| WT | Bushy Park, near Waiohau (1♂ deposited at BMNH) | 2D | | 260 | | NZAC | AWD | 28.11.71 | 39 42 | 174 55 |
| South Island | | | | | | | | | | |
| AN | 15 km north-west of Karamoa | 2D | 2D | 15 | 67/213 | NZAC | FDA | 19.6.67 | 41 15 | 172 07 |
| ♂ Type locality | | | | | | | | | | |
| <u>Melicotis ramiflorus</u> , <u>Aristotelia</u> | | | | | | | | | | |
| <u>serrata</u> , punga <u>Coprosma</u> sp., | | | | | | | | | | |
| punga | | | | | | | | | | |

Paratrochus brevisetis

| South Island | | ♂ | ♀ | alt. (m) | sample no. | reps. | collet. | date | SIR (HO) 20 lat ^o | long. lat. |
|--------------|---|----|----|----------|------------|-------|----------|----------|------------------------------|-------------------|
| BR | Paparoa Range ^{ount} Mt. Priestly | 19 | 10 | 930 | 69/241 | NZAC | JGM | 10.12.69 | 42 04 | 171 32 |
| | Paparoa Range | 6 | 1 | 930 | 69/243 | NZAC | JGM | 10.12.69 | 42 05 | 171 33 |
| | <u>Nothofagus menziesii</u> | | | | | | | | | |
| | Rapahoe, Greymouth | 2 | 5 | 100 | 63/19 | NZAC | GK | 29.5.63 | 42 23 | 171 15 |
| WD | OKarito, ^{Forks} Prater Road | | 1 | | 66/109 | NZAC | JIT | 1.3.66 | 43 15 | 170 14 |
| | <u>Quintinia</u> , <u>Daemidium cupressinum</u> , <u>Weinmannia racemosa</u> , <u>Podocarpus totara</u> , <u>Phyllocladus</u> ^{sp} , <u>Cephaelis</u> ^{sp} , <u>Gahnia</u> ^{sp} , ferns | | | | | | | | | |
| | Lake Waharoa ^(28 and 29 deposited at BMNH) | 59 | 39 | 54 | 66/345 | NZAC | JIT | 27.10.66 | 43 ¹⁵ | 170 ¹⁵ |
| | Type locality ³ | 9 | 1 | m | 66/532 | NZAC | FDA | 2.12.66 | | |
| | <u>D. cupressinum</u> , <u>W. racemosa</u> , <u>Dicksonia</u> ^{sp} , <u>Blechnum</u> ^{sp} | | | | | | | | | |
| | 14 km south of Franz Josef township | 3 | 6 | 270 | 65/20 | NZAC | NAW | 7.2.65 | 43 23 | 170 10 |
| | <u>Nothofagus</u> ^{sp} | | | | | | | | | |
| | Franz Josef, leaf mould | 15 | 23 | 230 | | OMNZ | PRE, CLW | 23.1.71 | 43 22 | 170 11 |
| | Franz Fox Glacier | 2 | 2 | | 68/171 | NZAC | JIT | 12.11.68 | | |
| | <u>Melicope ramiflorus</u> , <u>W. racemosa</u> , <u>Dicranella</u> ^{sp} , <u>Cephaelis australis</u> , <u>Carpodetus</u> , <u>serratius</u> , ferns | | | | | | | | | |
| | South of Fox Glacier | 1 | | | 65/26 | NZAC | NAW | 8.2.65 | | |
| | <u>Exarhizum</u> ^{sp} , <u>Nothofagus</u> ^{sp} | | | | | | | | | |
| | Fritz Range Franz Josef area | 18 | 15 | 762 | 66/535 | NZAC | FDA | 2.12.66 | 43 30 | 170 10 |
| | ^{ount} Mt. Sebastopol, ^{ount} Mt. Cook area | 3 | 3 | 914 | 68/2 | NZAC | FDA | 6.1.68 | 43 25 | 170 06 |
| | <u>Dracophyllum</u> ^{sp} , <u>Gaultheria</u> ^{sp} , water fern | | | | | | | | | |
| | Governor's Bush, ^{ount} Mt. Cook | 1 | | 762 | 64/6 | NZAC | MJE | 24.1.64 | 43 44 | 170 05 |
| | Lake Paringa | 1 | 1 | | 65/24 | NZAC | NAW | 7.2.65 | 43 44 | 169 20 |
| | <u>Nothofagus</u> ^{sp} , mosses | | | | | | | | | |
| | Lake Paringa | 1 | 1 | | | OMNZ | PRE, CLW | 27.9.71 | 43 44 | 169 20 |
| MC | ^{ount} Mt. Algidus | | 1 | | 65/278 | NZAC | GWR | 17.3.65 | 43 14 | 171 21 |
| OL | Makarora, Haast | 3 | 1 | | | OMNZ | RRF | 15.3.66 | 44 07 | 169 22 |

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫

16 *Paratrachus fiordensis*

SIR (HO) 20

| South Island SOUTH I. | | ♂ | ♀ | alt. (m) | sample no. etc. | npos. | collect | date | lat. long. | 1 mg. lat. |
|--|------|----|----|-------------|--------------------|-------|---------|---------|---------------|---------------|
| FD Thompson Sound | mass | | 1 | 0 | | OMNZ | RRF | 23.1.58 | 45 08 | 166 46 |
| Lyria River, Deep Cove, Doubtfull Sound | | | 1 | | 70/66 | NZAC | JIT | 22.1.70 | 45 26 | 167 10 |
| <i>Nothofagus menziesii</i> | | | | | | | | | | |
| Deep Cove, Doubtfull Sound | | 23 | 13 | | 70/65 | NZAC | JIT | 22.1.70 | 45 28 | 167 09 |
| <i>N. menziesii, Pseudowintera colorata, Weinmannia racemosa, Cyrtocarpus smitii, Dicksonia sp</i> | | | | | | | | | | |
| Wilmot Pass | | 5D | 8D | 630-800 | 70/34 | NZAC | ACE | 21.1.70 | 45 31 | 167 13 |
| <i>Oleonia illicifolia, Coprosma sp, moss</i> | | | | | | | | | | |
| Wilmot Pass | | 35 | 43 | 300-800 | 70/63 | NZAC | ACE | 21.1.70 | 45 31 | 167 1 |
| <i>Nothofagus sp, Griselinia littoralis</i> | | | | | | | | | | |
| Wilmot Pass | | 2 | 3 | 300-800 | 70/64 | NZAC | ACE | 21.1.70 | 45 31 | 167 1 |
| Wilmot Pass | | | 1 | 750 | 70/79 | NZAC | JSD | 22.1.70 | 45 31 | 167 1 |
| <i>Quercus crosbyi, mosses</i> | | | | | | | | | | |
| Wilmot Pass | | 30 | 14 | 400 | 70/145 | NZAC | JIT | 23.1.70 | 45 31 | 167 13 |
| <i>Metrosideros umbellata, Podocarpus peruvianus, N. menziesii</i> | | | | | | | | | | |
| Mt Grey Turret Range | | 1 | | 1200 | 70/41 | NZAC | JSD | 14.1.70 | 45 33 | 167 15 |
| <i>Chionochloa sp</i> | | | | | | | | | | |
| Spey River, ^{Western} Manapouri | | 13 | 24 | 180 | 70/61 | NZAC | ACE | 19.1.70 | 45 35 | 167 14 |
| <i>Type locality 28 & deposited at BMNH</i> | | | | | | | | | | |
| <i>Nertera ciliata mats</i> | | | | | | | | | | |
| (28 and 29 deposited at BMNH) | | | | | | | | | | |

Paratrochus tardus

SIR (HO.) 20

North Island
~~NORTH ISLAND~~

| | ♂ | ♀ | Alt. (m) | Sample No. | Repos. | Coll. # | Date | Lat. Long. | 1 mg. lat. |
|--|------|-----|----------|------------|--------|---------|----------|------------|------------|
| WN Mount Holdsworth | 2 | 1 | 366 | 68/201 | NZAC | SE | 19.11.68 | 40 52 | 175 25 |
| <i>Nothofagus</i> spp. | | | | | | | | | |
| Hector Track, Tararua, Otaki Forks | 1 | | 610 | 65/180 | NZAC | JIT | | 40 54 | 175 16 |
| moss under <i>Nothofagus solandri</i> | | | | | | | | | |
| Waiohine Gorge, Tararua Range | | 1 | 200 | 65/466 | NZAC | JIT | 29.6.5 | 40 58 | 175 23 |
| moss under <i>Melicope ramiflora</i> , <i>Fuchsia fuchsia</i> , Fern | | | | | | | | | |
| Marchant Ridge, Tararua Range | 4 | 4 | | | NMNZ | DVH | 2.3.53 | 41 01 | 175 16 |
| Mount Marchant | 1 | | 610 | | NMNZ | JR | 21.6.48 | 41 01 | 175 16 |
| Kaitake Waterworks, Bush Walk | † 47 | 25 | 200 | | NZAC | HPM | 24.11.75 | 41 03 | 175 11 |
| Type locality († type series) | | | | | | | | | |
| <i>Nothofagus truncata</i> , <i>Metrosideros robusta</i> , <i>Weinmannia racemosa</i> , <i>Dacrydium cupressinum</i> | 17 | 20 | | | NZAC | HPM | 11.11.75 | | |
| | 22 | 14 | | | NZAC | KAA | 8.12.75 | | |
| | 2 | | | | NZAC | KAA | 9.2.76 | | |
| (6♂ and 6♀ from 8.12.75 sample deposited at BMNH) | | | | | | | | | |
| Kaitake Waterworks, Research Site | 6 | 5 | | 7/71* | NZAC | HPM | 15.11.71 | | |
| <i>N. truncata</i> , <i>W. racemosa</i> , <i>Pedicularis</i> | | 1 | | 21/72* | NZAC | BHPM | 31.1.72 | | |
| <i>Cyatodes fasciculata</i> , <i>Coprosma foetidissima</i> | 1 | | | 22/72* | NZAC | HPM | 31.1.72 | | |
| <i>Beilschmiedia tawa</i> , <i>Eugenia marie</i> | 5 | 2 | | 45/72* | NZAC | HPM | 13.3.72 | | |
| | 2 | 1 | | 46/72* | NZAC | HPM | 13.3.72 | | |
| | 8 | 8 | | | NZAC | HPM | 21.11.75 | | |
| Near summit, Akatarawa Road, Tararua Mountains | 1 | 1 | 305 | | NZAC | APD | 26.10.74 | 40 57 | 175 07 |
| Blue Mountains Road, Silverstream | 2 D | | 200 | | NMNZ | JTS | 18.4.48 | 41 10 | 175 01 |
| Stokas Valley | | 1 D | 150 | | OMNZ | RRF | 10.8.48 | 41 11 | 174 58 |
| Taita Soil Bureau | 9 | 7 | | 61/16 | NZAC | | | 41 11 | 174 59 |
| Days Bay | | 1 | 50 | | NMNZ | DH | 1.4.42 | 41 17 | 174 5 |
| <i>Nothofagus</i> sp. | | | | | | | | | |
| | | 1 | 50 | | NZAC | 9P W | 20.10.75 | 41 17 | 174 5 |
| Orongorongo Valley Field Station | 11 | 15 | 200 | 69/132 | NZAC | JSD | 21.5.69 | 41 21 | 174 58 |
| <i>Elaeocarpus dentatus</i> , <i>Urtica procera</i> | | | | | | | | | |
| <i>W. racemosa</i> , <i>Hedycarya arborea</i> | | | | | | | | | |
| Orongorongo Valley Field Station | | 1 | 213 | 69/134 | NZAC | JSD | 21.5.69 | " | " |
| <i>Nothofagus N. truncata</i> | | | | | | | | | |
| Orongorongo Valley Field Station | 9 | 8 | 213 | 69/135 | NZAC | JSD | 21.5.69 | " | " |
| <i>N. truncata</i> , <i>Blechnum discolor</i> | | | | | | | | | |
| Orongorongo Valley Field Station | 2 | 1 | 152 | 69/156 | NZAC | JCW | 23.9.69 | " | " |
| <i>Dacrydium cupressinum</i> , <i>H. arborea</i> | | | | | | | | | |
| <i>Cyathea dealbata</i> , <i>Blechnum discolor</i> | | | | | | | | | |
| Orongorongo Valley Field Station | 1 | 6 | 230 | 69/157 | NZAC | JSD | 23.9.69 | " | " |
| <i>Nothofagus</i> spp. <i>Grisebunia littoralis</i> | | | | | | | | | |
| Orongorongo Valley Field Station | 3 | 1 | | 69/158 | NZAC | JCW | 23.9.69 | " | " |
| moss under <i>N. fusca</i> | | | | | | | | | |
| Orongorongo Valley Field Station | 2 | | 152 | 69/153 | NZAC | JSD | 23.9.69 | " | " |
| <i>Nothofagus</i> spp. <i>Grisebunia littoralis</i> | | | | | | | | | |

17B. *Paratrochus tardus* cont.

SIR (HO) 20

| | ♂ | ♀ | Alt. (m) | sample no. | repos. | coll. | date | lat. | long. |
|--|----|----|----------|------------|--------|----------------|----------|-------|--------|
| Orongorongo Valley Field Station <i>H. arborea</i> in <i>Bopossum</i> pen | 9 | 8 | 152 | | NZAC | MJM | 8-11-74 | 41 21 | 174 58 |
| Orongorongo Valley Field Station <i>E. dentatus</i> in mixed broadleaf | 1 | 6 | 152 | | NZAC | MJM | 8-11-74 | " | " |
| Orongorongo Valley Field Station Epiphyte garden in leaning <i>E. dentatus</i> | 3 | 5 | 155 | | NZAC | MJM | 18-12-74 | " | " |
| Under leaning <i>E. dentatus</i> | 5 | 2 | 152 | | NZAC | BMF | 20-12-74 | " | " |
| Orongorongo Valley Field Station <i>N. menziesii</i> B | 8 | 5 | 230 | | NZAC | MJM | 25-11-75 | " | " |
| Orongorongo Valley Field Station <i>N. fusca</i> | 6 | 15 | 170 | | NZAC | HPM | 2-12-75 | " | " |
| Orongorongo Valley Field Station | 5 | 5 | | | NZAC | JHM | | " | " |
| Lake Wairarapa moss, under <i>N. solandri cliffortoides</i> | 5 | 7 | 30 | 65/457 | NZAC | JIT | 1.9.65 | 41 14 | 175 1 |
| Lake Wairarapa <i>Rhopalostylis sapida</i> , <i>Sophora</i> ^{microphylla} <i>Macropiper</i> <i>excelsum</i> , <i>N. solandri cliff.</i> ^{orticoides} <i>H. ramiflorus</i> <i>Pittosporum</i> | 14 | 8 | 30 | 65/459 | NZAC | JIT | 1.9.65 | " | " |
| <i>Fernifolium</i> , <i>Carpodetus senectus</i> , tree ferns | | | | | | | | | |
| Ocean Beach Road, Wairarapa <i>R. sapida</i> , <i>S. microphylla</i> , <i>M. excelsum</i> , <i>M. ramiflorus</i> | | 1 | 30 | 50/77* | NZAC | HPM | 9.8.77 | 41 22 | 175 0 |
| Tawa Wellington | | 1 | | | NMNZ | | 3.2.63 | | |
| Khandallah Reserve, Wellington | | 7 | 250 | | NMNZ | JFH | 7.10.69 | 41 15 | 174 48 |
| Koromai, Wellington, leaf mould | | 1 | 200 | | NMNZ | JTS | | 41 17 | 174 41 |

| URoki | Ya | 2 | 2 | 32/77 | NZAC | HPM | 7.6.77 | 38 42 | 174 40 | |
|--|----|----|----|-------|--------|------|--------|----------|--------|--------|
| <i>Koigitia excelsa</i> , tree fern, rotting wood | | | | | | | | | | |
| Waikaranga Saddle, State Highway 40 | | 1 | 3 | 550 | - | NZAC | HPM | 27.10.75 | 38 51 | 174 54 |
| <i>W. racemosa</i> , <i>M. ramiflorus</i> , <i>R. tanza</i> | | | | | | | | | | |
| <i>B. tana</i> | | | | | | | | | | |
| Mount Messenger | | | 1 | 186 | 62/96 | NZAC | JSD | 26.10.68 | 32 53 | 174 36 |
| <i>W. racemosa</i> , <i>E. dentatus</i> , <i>R. tanza</i> | | | | | | | | | | |
| | | 1 | 6 | " | 72/66 | NZAC | GWR | 23.1.72 | " | " |
| <i>K. excelsa</i> , <i>Dysoxylum spectabile</i> , frns | | | | | | | | | | |
| | | 4 | 19 | " | " | NZAC | HPM | 27.10.75 | " | " |
| Mount Messenger | | 2 | 2 | 200 | 38/77* | NZAC | HPM | 26.7.77 | " | " |
| <i>W. racemosa</i> , <i>Astelia</i> sp., <i>Olearia</i> sp. | | | | | | | | | | |
| | | 3 | 2 | " | 39/77* | NZAC | HPM | 26.7.77 | " | " |
| Mount Messenger | | 1 | 1 | " | 69/77* | NZAC | HPM | 7.6.77 | " | " |
| <i>K. excelsa</i> , <i>W. racemosa</i> , <i>Metrosideros robusta</i> | | | | | | | | | | |
| Mount Messenger | | 13 | 21 | " | " | OMNZ | RRFLW | 21.3.69 | " | " |
| New Plymouth (68 and 69 deposited at DANA) | | | | | | | | | | |
| | | 36 | 26 | 60 | " | NZAC | RL | 26.11.75 | 39 04 | 174 12 |
| mixed broad leaf / podocarp litter | | | | | | | | | | |
| Pukeiti Rhododendron Trust | | 1 | 2 | 366 | " | NZAC | RL | 27.11.75 | 39 12 | 173 59 |
| <i>W. racemosa</i> , <i>Neopanax arboreum</i> | | | | | | | | | | |

99418H-2,000 pads/8/77 D

19

| P. scutulifer | | SIR (H.O.) 20 | | | | | | | | | |
|--|-----------------------------|---------------|----|----------|------------|-------|---------|----------|-------|--------|--|
| North Island | | ♂ | ♀ | alt. (m) | sample no. | Npos. | coll. | date | lat. | long. | |
| TK | Pōkai Saddle | | 1 | 1220 | 75/203 | NZAC | JSD | 3.12.75 | 39 14 | 174 02 | |
| <i>Poa colensoi</i> swards | | | | | | | | | | | |
| | Stratford, leaf mould | 2 | | " | " | OMNZ | RRFLW | 21.3.69 | 39 20 | 174 17 | |
| | Mount Egmont, Dawson Falls | 25 | 35 | 900 | " | NZAC | HPM | 28.10.75 | 39 20 | 174 06 | |
| Type locality <i>Carpodellus serratus</i> , <i>Hedysarya arborea</i> , <i>G. linguistifolium</i> | | | | | | | | | | | |
| | Mount Egmont, Dawson Falls | | 3 | 853 | 65/386 | NZAC | JIT | 16.6.65 | " | " | |
| | Mount Egmont, Dawson Falls | 25 | 23 | 914 | 72/68 | NZAC | GWR | 23.1.72 | " | " | |
| <i>M. robusta</i> , <i>W. racemosa</i> , <i>G. littoralis</i> | | | | | | | | | | | |
| | Mount Egmont, Dawson Falls | 1 | | | | OMNZ | JTS | 21.9.55 | " | " | |
| | Mount Egmont | | 1 | | 65/162 | NZAC | NAW | 17.4.65 | " | " | |
| <i>Podocarpus</i> spp. | | | | | | | | | | | |
| | Mount Egmont | 5 | 8 | 914 | 72/67 | NZAC | GWR | 23.1.72 | " | " | |
| <i>W. racemosa</i> | | | | | | | | | | | |
| | Mount Egmont | 24 | 18 | 914 | 72/69 | NZAC | GWR | 23.1.72 | " | " | |
| <i>M. robusta</i> , <i>P. impressum</i> | | | | | | | | | | | |
| <i>M. ramiflorus</i> | | | | | | | | | | | |
| | Mount Egmont National Park | 7 | 5 | 823 | " | NZAC | AWD | 29.11.70 | " | " | |
| | Mount Egmont, ex leaf mould | 11 | 11 | 1067 | " | OMNZ | RRFLW | 21.3.69 | " | " | |
| | Te Nuku-o-te-Kata, Okaiawa | 18 | 22 | 122 | " | NZAC | HPM | 26.12.76 | 39 32 | 174 12 | |
| <i>W. racemosa</i> , <i>M. robusta</i> , <i>R. scandens</i> | | | | | | | | | | | |
| | Meremere, puanga gully | 4 | 2 | 152 | " | NZAC | HPM, CF | 26.12.76 | 39 34 | 174 25 | |
| <i>B. expanda</i> , <i>N. arborescens</i> , <i>G. linguistifolium</i> | | | | | | | | | | | |
| | Taranaki | 3 | 3 | | 65/167 | NZAC | NAW | 12.1.65 | " | " | |

Paratrichus microphthalmus

SIR (HO) 20

| North Island | | ♂ | ♀ | alt. (m) | Sample no. | Repos. | collected | date | lat. long. | 1019-lat |
|--------------|--|----|----|----------|------------|----------|-----------|----------|------------|----------|
| TK | Mount Messenger | 2 | 6 | 200 | 25/77 | HPM NZAC | HPM | 7.1.77 | 38° 53' | 174° 3' |
| | <i>Wenmannia racemosa</i> , <i>Cyathodes fasciculata</i> , <i>Mikolaelaena acuta</i> | | | | | | | | | |
| | Mount Messenger | | 1 | " | 26/77 | HPM NZAC | HPM | 7.6.77 | .. | .. |
| | <i>W. racemosa</i> , <i>Olearia Olearia</i> sp. | | | | | | | | | |
| | Mount Messenger | | 1 | " | 27/77 | HPM NZAC | HPM | 7.1.77 | .. | .. |
| | <i>Olearia rari</i> | | | | | | | | | |
| | Mount Messenger | 5 | 4 | " | 38/77 | HPM NZAC | HPM | 26.7.77 | .. | .. |
| | <i>W. racemosa</i> , <i>Astelia</i> sp., <i>Olearia</i> sp. | | | | | | | | | |
| | Mount Messenger | 3 | 2 | " | 67/77 | HPM NZAC | HPM | 7.6.77 | .. | .. |
| | <i>W. racemosa</i> , <i>Knightia excelsa</i> , <i>Brachyglottis repanda</i> | | | | | | | | | |
| | Mount Messenger | 25 | 13 | " | 68/77 | HPM NZAC | HPM | 7.6.77 | .. | .. |
| | <i>W. racemosa</i> | | | | | | | | | |
| | Mount Messenger | 17 | 14 | " | 69/77 | HPM NZAC | HPM | 7.6.77 | .. | .. |
| | <i>K. excelsa</i> , <i>W. racemosa</i> , <i>Metrosideros robusta</i> | | | | | | | | | |
| | Whangamomona Road | 4 | 2 | 250 | 34/77 | HPM NZAC | HPM | 2.6.77 | 39° 09' | 174° 41' |
| | <i>Dacrydium cupressinum</i> | | | | | | | | | |
| | <i>Beilschmiedia tawa</i> , tree fern | | | | | | | | | |
| | Meremere, punge gully | | 1 | 152 | 21 | NZAC | HPM | 26.12.76 | 39° 34' | 176° 25' |
| | <i>B. repanda</i> , <i>Neopanax arboreum</i> , <i>Geraniastoma linguifolium</i> | | | | | | | | | |
| South Island | | | | | | | | | | |
| NN | New Mangorakau Sawmill | 1 | 5 | 305 | 67/231 | NZAC | FDA | 22.8.67 | 40° 38' | 172° 25' |
| | <i>Nothofagus</i> spp. <i>D. cupressinum</i> , <i>W. racemosa</i> | | | | | | | | | |
| | Nelone Kaka Iron Ore Pit | | 2 | | 67/205 | NZAC | FDA | 20.5.67 | 40° 46' | 172° 42' |
| | <i>Nothofagus</i> spp. <i>D. cupressinum</i> , <i>Elaeocarpus dentatus</i> , punge | | | | | | | | | |
| | Heaphy Track, Brown River | 2 | 2 | | 67/263 | NZAC | FDA | 22.8.67 | 40° 51' | 172° 57' |
| | Takaka Hill <i>Nothofagus</i> | 6 | 10 | 256 | 67/92 | NZAC | JIT | 27.2.67 | 40° 51' | 172° 42' |
| | <i>N. menziesii</i> , <i>N. solandri solandri</i> | | | | | | | | 40° 32' | |
| | Canaan, Rameka Creek | | 2 | | 64/146 | NZAC | JIT | 8.1.64 | 40° 52' | 172° 45' |
| | Canaan associated with <i>Hubeia striata</i> (Hymenoptera) | 2 | 1 | 650 | | NZAC | JIT | 20.10.69 | 40° 56' | 172° 54' |
| | Canaan, moss | 2 | 2 | | 65/227 | NZAC | LPM | 4.2.65 | 40° 56' | 172° 52' |
| | Canaan | 18 | 19 | | 66/137 | NZAC | JIT | 18.4.66 | .. | .. |
| | <i>Nothofagus</i> spp. <i>N. menziesii</i> , <i>N. fusca</i> | | | | | | | | | |
| | Canaan, Harwood's Track | 6 | 10 | | 65/225 | NZAC | LPM | 4.2.65 | .. | .. |
| | <i>Nothofagus</i> spp. | | | | | | | | | |
| | Canaan, Rameka Creek | | 2 | | 64/146 | NZAC | JIT | 8.1.64 | 40° 52' | 172° 45' |
| | Canaan, Wainui Road | 4 | 6 | | 64/145 | NZAC | JIT | 8.1.64 | | |
| | moss | | | | | | | | | |
| | Canaan, Soil Bureau Kairua 2 Site | 24 | 21 | 650 | 29/78 | NZAC | HPM | 13.11.78 | 40° 57' | 172° 5' |
| | <i>N. fusca</i> , <i>N. menziesii</i> , <i>Podocarpus hallii</i> | 24 | 25 | | 30/78 | NZAC | HPM | 13.11.78 | 40° 57' | 172° 5' |
| | <i>Hedycarya arborea</i> , <i>Pseudowintera colorata</i> | | | | | | | | | |
| | <i>Coprosma foetidissima</i> | | | | | | | | | |

Paratrochus microphthalmus cont.

SIR (HO)20

| South Island SOURCE | | | ♂ | ♀ | alt. (m) | sample no. no. | repro. | coll. | date | lat. Long. | Long. E. |
|------------------------|--|--|----|----|-------------|---------------------------------|--------|------------|----------|---------------|-------------|
| NN | Marohau, Sandy Bay | | 9 | 7 | | | NZAC | JSD | 15.9.70 | 41 50 | 173 01 |
| | <i>Melicope ramiflora</i> , <i>G. linguistifolium</i> | | | | | | | | | | |
| | Mount Arthur, mats | | 1 | | 1200 | 69/216 | NZAC | JIT | 13.11.69 | 41 10 | 172 45 |
| | Koramea Riv. Gorge | | | 2 | | 67/216 | NZAC | FDA | 27.6.67 | 41 13 | 178 20 |
| | <i>W. racemosa</i> , <i>Coprosma</i> | | | | | | | | | | |
| | <i>seriatus</i> , <i>Coprosma</i> spp. | | | | | | | | | | |
| | Whangamoa Nelson | | 3 | 35 | | 69/190 | NZAC | JIT | 22.10.69 | 41 13 | 173 26 |
| | Whangamoa Saddle | <i>W. racemosa</i> ; <i>Kniphofia excelsa</i> f. | | | 366 | - | NZAC | BHM | 3.10.? | 41 13 | 173 26 |
| | Mount Dupper | <i>Podocarpus totara</i> , <i>Banksia</i> | 1 | 5 | 457 | 66/199 | NZAC | JIT | 11.7.66 | 41 13 | 173 30 |
| | <i>Freycinetia banksii</i> , <i>Cyathra dealbata</i> | | | | | | | | | | |
| | <i>Olea</i> sp. : <i>M. robusta</i> | | | | | | | | | | |
| | Eve's Valley, Palmer's Bush | | 1 | | | 71/122 | NZAC | GWR | 20.10.71 | 41 17 | 173 07 |
| | mixed podocarps on river flat | | | | | | | | | | |
| | Botanic Reserve, Nelson | | 3 | 4 | | 66/181 | NZAC | ACE | 30.5.66 | 41 17 | 173 17 |
| | Wairoa Gorge, Nelson | | 4 | 5 | | 71/121 | NZAC | GWR | 20.10.71 | 41 20 | 173 07 |
| | Mountain | | | | | | | | | | |
| | Dun/Att, Third House | | | 1 | 560 | 66/121 | NZAC | JIT | 26.3.66 | 41 20 | 173 20 |
| | <i>N. menziesii</i> , <i>N. fusca</i> , <i>Cyathodes</i> | | | | | | | | | | |
| | <i>acerosa</i> , <i>Coprosma</i> , <i>C. frutidissima</i> | | | | | | | | | | |
| | Mountain | | | | | | | | | | |
| | Dun/Att, Third House | | 19 | 25 | " 3 | 71/111 | NZAC | GWR | 14.9.71 | " | " |
| | <i>Nothofagus</i> spp. | | 72 | 66 | " 4 | 71/114 | " | " | " | 41 19 | 173 26 |
| | Dun Mountain | | | 2 | 610 | - | " | BAH | 15.5.52 | 41 21 | 173 22 |
| | Dun Att Mountain | | 4 | 4 | 762 | 61/1 | NZAC | GK | 13.11.61 | 41 21 | 173 22 |
| | Dun Att Mountain | | 1 | 1 | 609 | 66/274 | NZAC | JIT AKW | 31.6.66 | 41 21 | 173 22 |
| | <i>W. racemosa</i> , <i>N. fusca</i> , <i>Coprosma</i> spp. | | | | | | | | | | |
| | <i>G. littoralis</i> | | | | | | | | | | |
| | Mountain | | | | | | | | | | |
| | Dun Att Summit | | 1 | 3 | | 68/208 | NZAC | JCW | 19.12.68 | " | " |
| | Dun Att Mountain | | 1 | 2 | 600 | 69/185 | NZAC | JCW | 6.11.69 | " | " |
| | <i>N. fusca</i> , <i>W. racemosa</i> , <i>Leucopogon</i> | | | | | | | | | | |
| | <i>parvifascicularis</i> , <i>C. frutidissima</i> | | | | | | | | | | |
| | Mountain | | | | | | | | | | |
| | Dun Att, Wooded Peak East Summit | | 1 | * | 1097 | 71/109 | NZAC | GWR | 14.9.71 | 41 20 | 173 21 |
| | <i>Nothofagus cliffortioides</i> | | | | | | | | | | |
| | Mountain | | | | | | | | | | |
| | Dun Att, Wooded Peak East Summit Saddle | | 29 | 14 | | 71/113 | NZAC | GWR | 14.9.71 | " | " |
| | <i>Nothofagus</i> spp., <i>W. racemosa</i> , <i>Blechnum</i> sp. | | | | | | | | | | |
| | Mountain | | | | | | | | | | |
| | Dun Att, Wooded Peak East Summit | | | 1 | | 71/115 | NZAC | GWR | 14.9.71 | " | " |
| | <i>Nothofagus</i> spp., <i>W. racemosa</i> , <i>Blechnum</i> sp. | | | | | | | | | | |
| | Mountain | | | | | | | | | | |
| | Dun Att, Wooded Peak East Summit | | 56 | 64 | | 71/116 | NZAC | GWR | 14.9.71 | " | " |
| | <i>N. cliffortioides</i> | | | | | | | | | | |
| | Hackett Vly, Valley | | | 2 | | 66/136 | NZAC | GWR | 17.4.66 | 41 23 | 173 13 |
| | Dart Vly, Whangapeka | | 2 | | | 67/194 | NZAC | FDA | 20.4.67 | 41 25 | 172 39 |
| | <i>Myrsine australis</i> , <i>Leptospermum</i> | | | | | | | | | | |
| | <i>scoparium</i> , <i>Nothofagus</i> spp. | | | | | | | | | | |
| | Fell Peak, Richmond Range | | 10 | 4 | 1281 | 69/107 | NZAC | ACE | 13.3.69 | 41 27 | 173 25 |
| | <i>Prasophyllum uniflorum</i> | | | | | | | | | | |
| | Fell Peak, Richmond Range | | 7 | 5 | 1300 | 69/109 | NZAC | ACE | 13.3.69 | " | " |

Paratrochus microphthalmus cont.

SIR (HO) 20

| South Island | | ♂ | ♀ | alt. (m) | Sample | Repos. | collected | date | lat. Long. | ing. wt. |
|--------------|--|-------------------------|----|----------|-----------------|--------|-----------|----------|------------|----------|
| | | | | | SAME as no. 112 | | | | | |
| NN | Fell Peak, Richmond Range | 20 | 18 | 1311 | 69/111 | NZAC | ACE | 13.3.69 | 41 27 | 173 2 |
| | <i>Celmisia spectabilis</i> | | | | | | | | | |
| | Fell Peak, Richmond Range | | 1 | 1281 | 69/112 | NZAC | JCW | 13.3.69 | " | " |
| | <i>Notofagus N. cliffortioides</i> | | | | | | | | | |
| | Karamea Saddle | 1 | | 417 | 70/157 | NZAC | JIT | 20.10.70 | | |
| | <i>Wormwood</i> ^{W.} <i>racemosa</i> , <i>N. fusca</i> | | | | | | | | | |
| | Gordon's Knob | 3 | 1 | 1066 | 63/16 | NZAC | JIT | 16.5.63 | 41 36 | 172 56 |
| | Gordon's Knob | 2 | | 3718 | 63/17 | " | " | " | " | " |
| | Upper Matai | mainly in bad condition | | | | NZAC | ESG | 13.2.57 | 41 36 | 173 17 |
| | Upper Matai, under a log | | 1 | | | NZAC | JIT | 22.10.69 | " | " |
| | Glenhope Saddle | 1 | 2 | 64/68 | | NZAC | JIT | 24.7.64 | 41 39 | 172 39 |
| | " | 1 | | 65/133 | | " | NAW | 2.4.65 | 41 39 | 172 39 |
| | Coads Creek - moss | | 1 | | 64/135 | NZAC | JIT | 19.2.64 | 41 42 | 173 20 |
| SD | D'Urville Island | 1 | 3 | 440 | 1/80* | NZAC | KWV | 10.12.80 | 40 52 | 173 52 |
| | <i>Notofagus erubescens</i> , <i>Quinchinia serrata</i> | | | | | | | | | |
| SD | Maud Island, litter from Frog Area | 4 | 5 | 213 | | NZAC | MJM | 6.10.76 | 41 02 | 173 54 |
| | World's End, Tennyson Inlet | | 1 | | 67/224 | NZAC | FDA | 6.8.67 | 41 06 | 173 44 |
| | <i>Laurelia novae-zelandiae</i> , <i>Notofagus</i> spp, | | | | | | | | | |
| | <i>Freycinetia F. banksii</i> | | | | | | | | | |
| | Ship Cove | 1 | 2 | 365 | 72/273 | NZAC | JSD | 30.11.72 | 41 06 | 174 16 |
| | <i>N. fusca</i> , <i>Blechnum</i> ^{B.} <i>discolor</i> , <i>Hymenophyllum</i> sp. | | | | | | | | | |
| | Mt Stokes | 45 | 28 | | 67/246 | NZAC | JIT | 13.10.67 | 41 07 | 174 07 |
| | Totaranui / Wairangi Ridge | 13 | 9 | | 67/198 | NZAC | FDA | 7.5.67 | 41 10 | 173 56 |
| | Shakespeare Bay, Picton | 1 | | | 69/144 | NZAC | JGM | 11.8.69 | 41 17 | 174 00 |
| | Shakespeare Bay, Picton | 7 | 4 | | 69/145 | NZAC | JGM | 11.8.69 | 41 17 | 174 00 |
| | <i>Notofagus</i> spp, <i>Wormwood</i> ^{W.} <i>racemosa</i> | | | | | | | | | |
| | Shakespeare Bay, Picton, West side | 1 | | | 69/149 | NZAC | GK | 11.8.69 | " | " |
| | <i>Pittosporum</i> sp ^{W.} <i>neglectum</i> , <i>ramiflorum</i> | | | | | | | | | |
| | Shakespeare Bay, Picton | 4 | 3 | | 73/30 | NZAC | JGM | 21.2.73 | " | " |
| | <i>Notofagus</i> spp, ^{Hoheria} <i>populnea</i> , <i>Neopanax arboreum</i> , <i>Rhopalestylis</i> , <i>Ognetes</i> ^{C.} <i>dealbata</i> , <i>Dicksonia fibrosa</i> | | | | | | | | | |
| | Pelorus Bridge | 1 | | 31 | 64/93 | NZAC | JIT | 15.9.64 | 41 18 | 173 30 |
| | " | 11 | 6 | " | 67/220 | " | GK | 25.7.67 | " | 173 21 |
| | Pelorus Bridge | 3 | 4 | " | 67/222 | NZAC | JCW | 25.7.67 | " | " |
| | <i>N. solandri solandri</i> , <i>Fumagine fungus</i> | | | | | | | | | |
| | Pelorus Bridge | 58 | 81 | " | 16/78* | NZAC | HPM | 13.3.78 | " | " |
| | <i>Podocarpus totara</i> , <i>Dacrydium bidwilli</i> , <i>puaga</i> | | | | | | | | | |
| | Pelorus Bridge | 4 | 3 | | 17/78* | NZAC | HPM | 13.3.78 | " | " |
| | <i>N. solandri</i> , <i>C. australis</i> , <i>Blechnum</i> sp. | | | | | | | | | |
| | Pelorus Bridge | 7 | 2 | | 21/79* | NZAC | HPM | 16.4.79 | " | " |
| | <i>N. solandri</i> , <i>D. cupressinum</i> , <i>C. australis</i> | | | | 22/79* | " | " | " | " | " |
| MB | Wairau Vlg. ^{alley} <i>Spiraea</i> ^{sp} <i>Cyrt</i> | | 1 | | | NZAC | JIT | 6.4.72 | 41 34 | 173 28 |
| | Mount Riley, Moss | | 1 | 732 | 66/214 | NZAC | GWR | 24.7.66 | 41 25 | 173 42 |
| | Mount Riley, litter | 1 | | " | 66/215 | NZAC | " | " | " | " |

Paratrochus microphthalmus cont.

SIR (HO) 20

| South Island | | | ♂ | ♀ | alt. (m) | sample | reps. | collector | date | lat. long. | long. lat. |
|--------------|---|-----------------------------|----|----|----------|---------|-------|-----------|----------|------------|------------|
| MB | Avon | Vly ally | 3 | 1 | | 64/63 | NZAC | JIT | 2.7.64 | 41 38 | 173 40 |
| KA | Puhipuhi Reserve | Kaikoura, damp moss on bark | | 2 | 180 | 66/334 | NZAC | AKW | 13.10.66 | 42 19 | 173 43 |
| | " | " " " , moss | | 1 | 180 | 66/335 | " | " | " | " | " |
| BR | Kawatiri, Buller | | | 1 | | 64/83 | NZAC | JIT | 25.8.64 | 41 42 | 172 37 |
| | Dublin Terrace, Buller | | 2 | 5 | | 61/8 | NZAC | JIT | 25.11.61 | 41 49 | 172 04 |
| | Ohikanui River | | 1 | | 732 | - | NZAC | BWT | 19.3.77 | 41 51 | 171 43 |
| | Lower Buller River, Norris Creek | | 3 | 2 | | 70/158 | NZAC | JIT | 14.10.70 | 41 28 | 172 51 |
| | <i>Metridia umbellata</i> , <i>Fl. capus</i> <i>E. dentatus</i> , <i>Myrsine salicina</i> , <i>Pseudopanax crassifolium</i> , <i>Briza maritima</i> , <i>Blechnum sp.</i> | | | | | | | | | | |
| | Inangahua | | 12 | 6 | | 61/6 | NZAC | JIT | 25.11.61 | 41 52 | 171 57 |
| | Fletcher's Crk | pine site | 1 | 1 | 140 | 66/72* | NZAC | JGM | 11.7.72 | 41 59 | 171 52 |
| | <i>Pinus radiata</i> , <i>Leucostera formosa</i> | | | | | | | | | | |
| | | | 2 | 5 | | 68/72* | " | " | " | " | " |
| | | | 1 | | 140 | 69/72* | " | " | " | " | " |
| | | | | | | 112/72* | " | HPM | 8.11.72 | " | " |
| | Fletcher's Crk | B2 site | | 1 | 140 | 51/72* | NZAC | HPM | 18.4.72 | 41 59 | 171 52 |
| | | <i>N. menziesii</i> | | 1 | x | 52/72* | " | " | " | " | " |
| | | | 2 | | | 53/72* | " | " | " | " | " |
| | | | 1 | 3 | | 46/73* | " | " | 4.4.73 | " | " |
| | | | | 1 | | 48/73* | " | " | " | " | " |
| | | | | | 230 | 69/49 | NZAC | HPM? | | 42 62 | 171 49 |
| | Fletcher's Creek | PBI and XPBI sites | 11 | 11 | 230 | 71/125 | NZAC | JSD | 9.11.71 | 42 00 | 171 49 |
| | <i>N. menziesii</i> , <i>N. fusca</i> , <i>P. ferrugineus</i> , <i>P. spiratus</i> (71/127 68 and 69 deposited at BMNH) | | | | | | | | | | |
| | | | 10 | 6 | | 71/127 | " | JGM | " | " | " |
| | | | 6 | 7 | | 71/129 | " | JSD | " | " | " |
| | | | | | | 71/138 | " | " | " | " | " |
| | | | 6 | 7 | | 71/141 | " | JGM | " | " | " |
| | | | | 2 | | 38/72* | " | HPM | 7.3.72 | " | " |
| | | | | 1 | | 39/72* | " | " | " | " | " |
| | | | | 1 | | 75/72* | " | JGM | 11.7.72 | " | " |
| | | | 1 | 1 | | 76/72* | " | " | " | " | " |
| | | | 2 | | | 77/72* | " | " | " | " | " |
| | | | | 1 | | 118/72* | " | HPM | 8.11.72 | " | " |
| | | | | 1 | | 13/73* | " | " | 8.1.73 | " | " |
| | Fletcher's Creek | XPBI site | 26 | 17 | | 2/72* | NZAC | HPM | 26.1.72 | 41 59 | 171 49 |
| | <i>N. menziesii</i> , <i>N. fusca</i> , <i>P. ferrugineus</i> , <i>P. spiratus</i> | | | | | | | | | | |
| | | | 4 | 6 | | 3/72* | " | " | " | " | " |
| | | | 3 | | | 4/72* | " | " | " | " | " |
| | | | | 1 | | 5/72* | " | " | " | " | " |
| | | | 1 | 6 | | 6/72* | " | " | " | " | " |
| | | | 8 | 6 | | 7/72* | " | " | " | " | " |

Paratrichus micropthalmus cont.

SIR (HO) 20

South Island

| | | | | ♂ | ♀ | alt. (m) | sample | pos. | collected | date | lat. long. | long. lat. |
|-----|--|--------------------|-------------------------------------|----|----|----------|---------|------|-----------|---------|------------|------------|
| BR. | Fletcher's Crk | ²⁰² PB1 | ^{and XPB1} sites continued | 4 | 3 | | 72/84 | NZAC | | | | |
| | | | | | 1 | | 72/92 | " | JSD | 26.1.72 | -- | -- |
| | | | | 3 | 5 | | 72/95 | " | JGM | 27.1.72 | -- | -- |
| | | | | 3 | 13 | | 72/96 | " | JSD | 28.1.72 | -- | -- |
| | | | | 1 | | | 72/97 | " | " | " | " | " |
| | | | | 3 | 5 | | 72/104 | " | JGM | 26.1.72 | -- | -- |
| | | | | 6 | 7 | | 72/114 | " | " | 7.3.72 | -- | -- |
| | | | | 4 | 2 | | 72/122 | " | " | " | -- | -- |
| | | | | 6 | 1 | | 72/130 | " | " | " | -- | -- |
| | | | | 10 | 12 | | 72/172 | " | JSD | 19.9.72 | -- | -- |
| | | | | 4 | | | 72/177 | " | " | " | -- | -- |
| | | | | | 1 | | 72/182 | " | " | " | -- | -- |
| | Fletcher's Creek, Coll Creek area | | | | 1 | | 72/184 | " | " | " | -- | -- |
| | Fletcher's Creek, XPB9 site | | | 1 | 5 | | 72/79 | NZAC | " | 25.1.72 | -- | -- |
| | | | | 4 | 3 | | 72/84 | NZAC | JGM | " | -- | -- |
| | Stony Creek, PB15 Site | | | 11 | 12 | 440 | 72/101 | NZAC | JSD | 7.3.72 | 42 01 | 171 47 |
| | <i>N. fusca</i> , <i>D. depressum</i> | | | 13 | 26 | | 72/106 | " | " | " | " | " |
| | <i>D. intermedium</i> | | | 5 | 8 | | 72/118 | " | " | " | " | " |
| | <i>N. fusca</i> | | | 1 | | | 72/119 | " | " | " | " | " |
| | | | | 1 | 4 | | 72/168 | " | " | 19.9.72 | " | " |
| | | | | | 1 | | 11/72* | " | HPM | 26.1.72 | " | " |
| | | | | | 1 | | 35/72* | " | " | 7.3.72 | " | " |
| | | | | | 1 | | 36/72* | " | " | 7.3.72 | " | " |
| | | | | 2 | 1 | | 123/72* | " | " | 8.11.72 | " | " |
| | | | | 1 | | | 16/73* | " | " | 8.1.73 | " | " |
| | | | | 6 | 13 | | 17/73* | " | " | 8.1.73 | " | " |
| | | | | | 1 | | 18/73* | " | " | " | " | " |
| | | | | 10 | 11 | | 55/73* | " | " | 4.4.73 | " | " |
| | | | | | 2 | | 56/73* | " | " | " | " | " |
| | Capelston, PB5 site | | | | 1 | 270 | 107/72* | NZAC | HPM | 19.9.72 | 42 03 | 171 52 |
| | <i>N. fusca</i> , <i>N. menziesii</i> | | | 5 | 10 | | 108/72* | " | " | " | " | " |
| | <i>N. truncata</i> , <i>P. ferrugineus</i> | | | 1 | 1 | | 109/72* | " | " | " | " | " |
| | | | | 5 | 3 | | 129/72* | " | " | 8.11.72 | " | " |
| | | | | | 1 | | 135/72* | " | " | " | " | " |
| | | | | 4 | 1 | | 136/72* | " | " | " | " | " |
| | | | | 3 | 2 | | 140/72* | " | " | " | " | " |
| | | | | 1 | 2 | | 143/72* | " | " | " | " | " |
| | | | | 11 | 15 | | 144/72* | " | " | " | " | " |
| | | | | 1 | 2 | | 145/72* | " | " | " | " | " |
| | | | | | 1 | | 25/73* | " | " | 8.1.73 | " | " |
| | | | | | 5 | | 32/73* | " | " | " | " | " |
| | | | | 1 | | | 34/73* | " | " | " | " | " |
| | | | | 1 | 4 | | 35/73* | " | " | " | " | " |

| SOOTH SCITE | Island | ♂ | ♀ | RAL HASE (m) | Scamp scamp repas. | collected | date | lat | long |
|----------------|---|----|----|--------------------|-------------------------------------|-----------|------|----------|--------------|
| BR | Capelton, PBS site (continued) | 3 | 3 | | 36/73 | NZAC | HPM | 8.1.73 | |
| | <i>Nothofagus fusca</i> , <i>N. menziesii</i> | 1 | 1 | | 39/73 | " | " | " | |
| | <i>N. truncata</i> , <i>P. menziesii</i> | | 1 | | 40/73 | " | " | " | |
| | | 12 | 7 | | 63/73 | " | " | 4.4.73 | |
| | | 12 | 13 | | 67/73 | " | " | " | |
| | | 61 | 53 | | 71/73 | " | HPM | " | |
| | | 4 | 4 | | 73/73 | " | " | " | |
| | | 3 | 2 | | - | " | " | 13.11.74 | |
| | Redman's Bay Valley, near bottom end | 1 | | | 72/73 | NZAC | JCW | 28.1.72 | 42 04 171 55 |
| | Redman's Bay Valley Creek | 1 | | | 72/185 | " | " | 21.9.72 | " |
| | <i>N. solandri solandri</i> , <i>Wahmannia racemosa</i> | 8 | 6 | | 72/186 | " | " | " | " |
| | Reefton | 2 | 2 | | 61/7 | NZAC | JIT | 25.11.61 | 42 07 171 52 |
| | East Reefton | | 1 | | 65/34 | NZAC | NANW | 10.2.65 | 42 08 171 48 |
| | Tawhai, Big River Road | 1 | 4 | | 65/36 | NZAC | NANW | " | 42 08 171 48 |
| | Tawhai, Big River Road | 2 | 2 | | 71/132 | NZAC | JCW | 9.11.71 | 42 09 171 5 |
| | <i>N. fusca</i> , <i>W. racemosa</i> | | | | | | | | |
| | Tawhai, Big River Road | 4 | 10 | | 71/133 | NZAC | JSD | 9.11.71 | " |
| | <i>Lycopodium propinquum</i> , <i>Hypericum</i> , <i>Blechnum</i> , <i>Asteliasp.</i> , <i>Dicksoniasp.</i> , <i>Lophomyxus</i> | | | | | | | | |
| | Tawhai, Big River Road | 10 | 16 | | 71/136 | NZAC | JGM | 9.11.71 | " |
| | <i>Prunus lauro-cerasus</i> , <i>Blechnum borpense</i> , <i>B. vulcanicum</i> , <i>Histiopteris</i> , <i>Lophomyxus</i> | | | | | | | | |
| | Tawhai, Big River Road | 2 | 3 | | 72/76 | NZAC | JGM | 28.1.72 | " |
| | <i>Nothofagus fusca</i> , <i>N. menziesii</i> | | | | | | | | |
| | Tawhai, Big River Road | 1 | 3 | | 72/77 | NZAC | " | " | " |
| | <i>Prunus radiata</i> | | | | | | | | |
| | Tawhai, Big River Road | 2 | 3 | | 72/121 | NZAC | JSD | 6.3.72 | - |
| | <i>Nothofagus spp.</i> | | | | | | | | |
| | Tawhai, Big River Road | 11 | 11 | | 72/125 | NZAC | JSD | 9.11.72 | " |
| | Tawhai, Big River Road | 8 | 7 | | 72/126 | NZAC | JGM | " | " |
| | <i>Pseudotsuga menziesii</i> | | | | | | | | |
| | Tawhai, Big River Road | 3 | 6 | | 72/128 | NZAC | JSD | 9.11.72 | " |
| | <i>Pseudotsuga P. colorata</i> | | | | | | | | |
| | Tawhai, Big River Road | 2 | | | 72/169 | NZAC | JCW | 18.9.72 | " |
| | <i>Prunus lauro-cerasus</i> | | | | | | | | |
| | Tawhai, Big River Road | 13 | 21 | | 72/180 | NZAC | " | 18.9.72 | " |
| | <i>Prunus radiata</i> | | | | | | | | |
| | Tawhai, Big River Road | 3 | | | 72/181 | NZAC | " | 18.9.72 | " |
| | <i>Pseudotsuga P. menziesii</i> | | | | | | | | |

| BR | | 0 | 7 | 245. (m) | no. T | Nepos. | coll. | date | lat. | long. | 1000g. |
|----|--|----|----|-------------|--------|--------|-------|----------|-------|--------|--------|
| | Rahu Saddle, mosses | 1 | | 670 | 65/380 | NZAC | JIT | 1-1-65 | 42 19 | 172 0 | |
| | Marcia Springs | 3 | 2 | 670 | 61/2 | NZAC | GK | 18-11-61 | 42 20 | 172 20 | |
| | Marcia Springs, leafmould | | 20 | | | | BMNH | AER(3) | -9-68 | - | - |
| | Hukarere Soil Bureau Ref. Site | | 1 | 275 | 13/79 | NZAC | HPM | 21-3-79 | 42 27 | 171 45 | |
| | <i>N. truncata</i> , <i>W. racemosa</i> , <i>D. cupressinum</i> , <i>Q. serrata</i> , <i>P. alpinus</i> , <i>C. fasciculata</i> | | | | | | | | | | |
| | Lewis Pass | 1 | | 610 | 65/109 | NZAC | NAW | 23.3.65 | 42 24 | 172 24 | |
| | <i>Nothofagus</i> spp | | | | | | | | | | |
| | Lewis Pass | 1 | 1 | 820 | 65/112 | NZAC | AKW | 23.3.65 | 42 24 | 172 20 | |
| | <i>N. solandri cliffortioides</i> | | | | | | | | | | |
| | Lewis Pass | 9 | 13 | | 65/115 | NZAC | NAW | 23.3.65 | 42 24 | 172 24 | |
| | <i>Nothofagus</i> spp, moss | | | | | | | | | | |
| | Lewis Pass, Ricardon's Bridge | 28 | 30 | | | OMNZ | CLW | 29.9.70 | 42 24 | 172 2 | |
| | Hukarere, Soil Bureau Ref. Site | | 28 | | 13/79* | NZAC | HPM | 21.3.79 | 42 22 | 171 45 | |
| | Taylorville, Near Breymouth | 2 | 3 | | 8/78* | NZAC | HPM | 16.2.78 | 42 26 | 171 19 | |
| | <i>N. fusca</i> , <i>N. truncata</i> , <i>Dacrydium intermedium</i> | | | | | | | | | | |
| | Kangaroo Creek, Manukera State Forest | 4 | 5 | | 72/86 | NZAC | JSD | 27-1-72 | 42 27 | 171 31 | |
| | <i>N. fusca</i> | | | | | | | | | | |
| | Wallaby Creek, Manukera State Forest | 1 | 2 | | 72/166 | NZAC | JSD | 20 9-72 | 42 28 | 171 32 | |
| | <i>N. fusca</i> | | | | | | | | | | |
| | Manukera State Forest, semi pakihī site. | 7 | 10 | 300 | 71/143 | NZAC | JSD | 10-11-72 | 42 30 | 171 33 | |
| | <i>Metrosideros umbellata</i> , <i>Dacrydium colensoi</i> | 13 | 12 | | 71/144 | " | JGM | " | " | " | |
| | <i>D. bifforme</i> , <i>Leptospermum scoparium</i> | 1 | | | 72/85 | " | " | 27-1-72 | " | " | |
| | | 3 | 2 | | 72/102 | " | JSD | " | " | " | |
| | | 6 | 3 | | 72/109 | " | JGM | 7-3-72 | " | " | |
| | | 1 | | | 72/116 | " | JSD | 8-3-72 | 42 30 | 171 32 | |
| | | | 1 | | 18/72* | " | HPM | 27-1-72 | " | " | |
| | | 1 | 4 | | 43/72* | " | " | 7-3-72 | " | " | |
| | Tutty's Plateau | 1 | 2 | | 72/178 | NZAC | JSD | 20-9-72 | " | " | |
| | <i>D. cupressinum</i> , <i>W. racemosa</i> , <i>Quintinia</i> | | | | | | | | | | |
| | Flagstaff Biological Reserve, Hochstetter | 1 | 2 | | 72/165 | NZAC | JSD | 13-7-72 | 42 30 | 171 4 | |
| | <i>D. cupressinum</i> , <i>D. colensoi</i> | 1 | | | 72/174 | " | " | 20-9-72 | " | " | |
| | <i>Phyllocladus glaucus</i> | 1 | 1 | | 72/189 | " | " | 9-11-72 | " | " | |
| WD | Okarito Forks Road | 1 | | | 66/109 | NZAC | JIT | 1-3-66 | 43 13 | 170 12 | |
| | <i>D. cupressinum</i> , <i>Podocarpus tetara</i> , <i>W. racemosa</i> , <i>Quintinia</i> , <i>Coprosma</i> spp, <i>Phyllocladus</i> sp, <i>Gahnia</i> sp, ferns | | | | | | | | | | |
| | Haast Pass, moss in grass | 1 | 1 | 564 | 66/105 | NZAC | GK | 28-2-66 | 44 06 | 169 21 | |
| FD | Milford Sound | 64 | 70 | | 66/359 | NZAC | JIT | 1-11-66 | 44 40 | 167 53 | |
| | <i>Metaxys</i> ^M <i>ramiflorus</i> , <i>Heterogaster</i> ^H <i>arborea</i> , <i>Blechnum lanceolatum</i> , <i>Dicksonia</i> , <i>Metrosideros robusta</i> , <i>Schefflera</i> , <i>Aristotelia serrata</i> , | | | | | | | | | | |

Paratrochus micropthalmus cont.

SIR (H.O.) 20

| South Island | | | ♂ | ♀ | alt. (m) | Sample | Repos. | Collected | date | lat. Long | long. Lat. |
|----------------|--|--|---|----|----------|--------|--------|-----------|----------|-----------|------------|
| ED Hollyford | Pop Valley | | 1 | 1 | | 65/64 | NZAC | NAW | 30.2.65 | 44 47 | |
| | Nothofagus spp fern | | | | | | | | | | |
| Mount Hutt | Hollyford, eastern slopes | | 1 | 1 | 915 | 66/528 | NZAC | AKW | 15.12.66 | 44 47 | 168 07 |
| | moss in tussocks | | | | | | | | | | |
| Lake Au | | | 1 | 1 | | 4m | DMNZ | RRF | ? .1.53 | 45 15 | 167 23 |
| Deep Cove | Doubtful Sound | | 1 | | | 70/65 | NZAC | JIT | 22.1.70 | 45 28 | 167 09 |
| | Nothofagus menziesii, hemraoria | | | | | | | | | | |
| | W racemosa, Pseudopanax P. colorata, | | | | | | | | | | |
| | Syzygia smithii, Dicksonia sp. | | | | | | | | | | |
| Wilmut Pass | | | 2 | 1 | 400 | 70/145 | NZAC | JIT | 23.1.70 | 45 31 | 167 13 |
| | Podocarpus ferrugineus, N. menziesii | | | | | | | | | | |
| | Prostridium (Mumbellata) | | | | | | | | | | |
| Lake Manapouri | Lakeside Lodge | | | 1 | 200 | 66/419 | NZAC | FDA | 12.11.66 | | |
| Lake Manapouri | West Arm | | | 2 | 200 | 70/72 | NZAC | JIT | 23.1.70 | 45 31 | 167 19 |
| | N. menziesii, N. solandri, | | | | | | | | | | |
| | Erigeron G. littoralis | | | | | | | | | | |
| Lake Manapouri | West Arm | | 1 | 1 | 3 | 70/95 | NZAC | JIT | 26.1.70 | " | " |
| | N. menziesii, G. littoralis | | | | | | | | | | |
| | Carpodetus, Aristotelia serrata, | | | | | | | | | | |
| | Melicope, Pseudopanax anomalum, | | | | | | | | | | |
| | Fuchsia, Coprosma, Neomyrtus pedunculata | | | | | | | | | | |
| Lake Manapouri | | | | 1 | 3 | 70/96 | NZAC | GWK | 21.1.70 | " | " |
| | Nothofagus spp mixed | | | | | | | | | | |
| Spey River | Western Manapouri | | | | 180 | 70/61 | NZAC | ACE | 19.1.70 | 45 34 | 167 17 |
| | Nestera ciliata | | | | 180 | 70/62 | NZAC | ACE | " | " | " |
| Spey River | Western Manapouri | | | | 180 | 70/62 | NZAC | ACE | 19.1.70 | " | " |
| Dusky Sound | cave opposite | | | | | | NMNZ | RC | 11.2.55 | 45 43 | 166 56 |
| Supper Cove | | | | | | | | | | | |
| Lake Manapouri | West Arm | | 1 | 1 | - | - | NZAC | ACE | 13.1.70 | 45 31 | 167 15 |
| | Epilobium linnaeioides, ferns | | | | | | | | | | |
| Lake Manapouri | | | | | | | | | | | |
| | Nothofagus spp, mixed | | | 1 | - | 70/96 | NZAC | QWR | 21.1.70 | 45 31 | 167 19 |
| Spey River | Western Manapouri | | | | 180 | 70/61 | NZAC | ACE | 19.1.70 | 45 34 | 167 17 |
| | Nestera ciliata mats | | | 4 | " | 70/62 | NZAC | ACE | 19.1.70 | 45 34 | 167 17 |
| Dusky Sound | cave opposite Supper Cove | | | 2P | | | NMNZ | RC | 11.2.55 | 45 43 | 166 56 |
| Holotype | no collection data | | | 1 | | | ISNB | | | | |

Paratrochus humilis

SIR (H.O.) 20

| South Island | | | | | | Alt. (m) | Sample | reps. | collct. | date | lat. long. | long. lat. |
|--------------|------------------------------------|--|----|----|--|----------|------------------|-------------------------|---------|----------|------------|------------|
| SOUTH | | | ♂ | ♀ | | | STAMPED 10. 2004 | | | | | |
| NC | Devil's Punch Bowl Trig | | 1 | 3 | | 792 | 66/44 | NZAC | AKW | 16.11.66 | 42 56 | 171 34 |
| | <i>Polystichum vestitum</i> , fern | | | | | | | | | | | |
| | Mount Avalanche | Scotts Track | | 2 | | 1158 | # | NZAC | AKW | 13.11.66 | 42 57 | 171 32 |
| | | Arthur's Pass | | | | | | | | | | |
| | | Mass in sub-alpine scrub | | | | | | | | | | |
| | Arthur's Pass | | 22 | 16 | | | | NZAC DMNZ | CLW RRF | 29.9.66 | 42 57 | 171 34 |
| | | Type locality (5♂ and 5♀ paratypes at DMNZ) | | | | | | | | | | |
| | | Under beech dominated forest | | | | | | | | | | |
| | Arthur's Pass | | | 1 | | 762 | 65/116 | NZAC | NAW | 24.3.65 | " | " |
| | | <i>Nothofagus solandri difformis</i> | | | | | | | | | | |
| | Arthur's Pass | | 1 | | | 737 | 66/374 | NZAC | AKW | 10.11.66 | " | " |
| | | <i>N. menziesii</i> | | | | | | | | | | |
| MC | Mount Somers | | | 1 | | | 62/9 | NZAC | GFW | 12.2.62 | 43 37 | 171 22 |
| WD | Flagstaff 2 | Soil Bureau Ref Site | 4 | 5 | | | 9/78* | NZAC NZAC | HPM | 17.2.78 | 42 41 | 171 11 |
| | | <i>Dacrydium bidwillii</i> , <i>Dacrydium cupressinum</i> , <i>Podocarpus hallii</i> | | | | | | | | | | |
| | | <i>Podocarpus nelsonii</i> (2♂ and 4♀ deposited at BMNH) | | | | | | | | | | |
| ? | Flagstaff 2 | Soil Bureau Ref Site | 1 | 1 | | | 11/79* | NZAC | HPM | 20.3.79 | " | " |
| | | <i>D. cupressinum</i> , <i>D. bidwillii</i> , <i>P. hallii</i> | | | | | | | | | | |
| | Flagstaff 2 | Soil Bureau Ref Site | 1 | 2 | | | 12/79* | NZAC | HPM | 20.3.79 | " | " |
| | | <i>Widdemania</i> , <i>Quintinia serrata</i> , <i>Leprosma</i> spp. moss | | | | | | | | | | |
| | Mahinapua | SE late Forest | 2 | 1 | | 60 | 72/114a | NZAC | JGM | 9.3.72 | 42 47 | 170 55 |
| | | <i>Pinus radiata</i> | 2 | 2 | | | 72/115 | NZAC | JGM | " | " | " |
| | Otira Valley | Arthur's Pass | | 1 | | 976 | 66/400 | NZAC | AKW | 14.11.66 | 42 51 | 171 33 |
| | | <i>Senecio bennettii</i> , <i>Dracophyllum longifolium</i> | | | | | | | | | | |
| | Otira Valley | Arthur's Pass | 2 | 1 | | 976 | 66/402 | NZAC | AKW | 14.11.66 | " | " |
| | | <i>Phyllocladus alpinus</i> | | | | | | | | | | |

Paratrichus brevipennis cont.

SIR (H.O.) 20

| North Island KAPPA 10 | | | | ♂ | ♀ | 2A/11- HASE (m) | Sample SAMPLE NO. REF | NDOS | Collect. | date | lat. long. | long. lat. |
|--------------------------|---|--|--|----|----|-----------------------|-----------------------------|-----------------|----------|---------|---------------|---------------|
| ND | Cape Reinga | | | 1 | 0 | | " | OMNZ | RRF | 7.1.67 | 34 26 | 172 4 |
| | Ngaiotonga Scenic Reserve | | | 7 | 2 | | 72/51 | NZAC | GWR | 20.1.72 | 35 19 | 174 18 |
| | <i>Podocarpus spicatus</i> , <i>Leptospermum</i> <i>suparium</i> , <i>Melicope ramiflora</i> , <i>Agathis australis</i> , <i>Phyllocladus</i> , <i>linguistifolium</i> <i>Geraniostoma</i> , <i>Heitschmiedia tarairi</i> , <i>Corynocarpus laevigatus</i> , <i>Cyathea</i> sp. | | | | | | | | | | | |
| | Ngaiotonga Scenic Reserve | | | 21 | 20 | | 72/52 | NZAC | GWR | 20.1.72 | 35 19 | 174 18 |
| | <i>B. tarairi</i> , <i>Dysoxylum spectabile</i> , <i>Cyathea</i> sp., tree fern | | | | | | | | | | | |
| | Pahi | | | 2 | 1 | | 72/44 | NZAC | GWR | 20.1.72 | 36 09 | 174 10 |
| | Waipoua Forest | | | | 3 | | 66/173 | NZAC | JIT | 11.6.66 | 35 34 | 173 25 |
| | <i>B. tawa</i> , <i>B. tarairi</i> , <i>A. australis</i> | | | | | | | | | | | |
| | Waipoua Forest | | | 1 | 1 | | 72/39 | NZAC | GWR | 19.1.72 | 35 36 | 173 20 |
| | <i>B. tarairi</i> | | | | | | | | | | | |
| | Waipoua Forest, Waimatenui | | | | 1 | | 66/179 | NZAC | JIT | 12.6.66 | 35 37 | 173 4 |
| | <i>Waimanania silvicola</i> , <i>B. tawa</i> , <i>Ackama rosaeifolia</i> , <i>Dicksonia</i> <i>squamrosa</i> , <i>Cyathea dealbata</i> | | | | | | | | | | | |
| | Waipoua Forest, Pawaakatutu | | | 2 | 4 | 360 | 66/176 | NZAC | JIT | 11.6.66 | 35 40 | 173 35 |
| | <i>Leptospermum suparium</i> , on edge of <i>A. australis</i> forest; moss | | | | | | | | | | | |
| | Waipoua Forest, Katui | | | | 1 | | 66/178 | NZAC | JIT | 12.6.66 | 35 42 | 173 3 |
| | <i>A. australis</i> , <i>Dracopis cupressinum</i> , <i>Dracophyllum latifolium</i> , <i>Phyllocladus</i> <i>glauca</i> , <i>Quintinia serrata</i> , <i>Ilex</i> <i>brexioides</i> , <i>Dacrydium kirkii</i> , <i>W. silvicola</i> , <i>Griselinia lucida</i> , <i>Cyrtodes fasciculata</i> , <i>B. tawa</i> , <i>Midasalicifolia</i> , <i>Gymnelaea montana</i> , <i>Astelia</i> , ferns | | | | | | | | | | | |
| | Waipoua Forest | | | 1 | 1 | | " | OMNZ | RRF | 6.1.67 | " | " |
| | Makohinau Island | | | 1 | | | | BMNH | PS (2) | | 35 55 | 175 0 |
| | Type locality | | | | | | | | | | | |
| | Wairara | | | | 6 | | 61/11 | NZAC | GK | | 36 33 | 174 4 |
| AK | Nihotupu | | | 10 | 20 | | | NZAC | RAH | 7.7.55 | 36 56 | 174 35 |
| | Waitakere Range | | | | 10 | | | BMNH | TB(2) | 7.3.09 | | |
| | Waitakere Range | | | 4 | 8 | 183 | 65/173 | NZAC | NAW | 19.4.65 | | |
| | <i>Agathis australis</i> , moss, lichen | | | | | | | | | | | |
| | Waitakere Range, Kauri Grove Track | | | 42 | 40 | | 16/77* | NZAC | HPI | 16.2.77 | 36 58 | 174 30 |
| | <i>punga</i> roots | | | | | | | | | | | |
| | Waitakere Range, Kauri Grove Track | | | 10 | 6 | | 17/77* | NZAC | HPI | 16.2.77 | 36 58 | 174 30 |
| | <i>Griselinia littoralis</i> litter | | | | | | | | | | | |
| | Waitakere Range, Destruction Gully | | | 22 | 21 | | | NZAC | HPI | 10.9.75 | 37 01 | 174 32 |
| | <i>Sepisma arborescens</i> roots <i>punga</i> roots in regenerating mixed broad- leaf forest | | | | | | | | | | | |

Karatochus brevipennis cont.

SIR (HO) 20

| North, Island | | ♂ | ♀ | alt. (m) | Sample | repos. | collected | date | alt. long | long. lat |
|---------------|---|------|----|----------|--------|--------|-----------|----------|-----------|-----------|
| AK | Shirley Road Bush, Huiua Road | | 1 | | | NZAC | BMM | 1.8.69 | 37 00 | 174 34 |
| | Lynfield, litter and Gahnia | 2 | | | | NZAC | GK | 5.9.76 | mm | mm |
| | Lynfield, decayed log | 2 | 2 | | | NZAC | GK | 5.9.76 | mm | mm |
| | Epsom | | 2 | | | BMNH | TB(2) | 7.12.7 | 36 53 | 174 41 |
| | Hunua Range | 2 | | 150 | 61/9 | NZAC | GK | 2.12.61 | | |
| | Hunua Range | 31 | 45 | 150 | 73/2 | NZAC | BMM | 4.1.73 | | |
| | Hunua Range, Kohukohunui | 43 | 45 | 550 | 74/19 | NZAC | GK | 30.3.74 | 37 02 | 175 13 |
| | Hunua Range, Kohukohunui | 38 | 36 | 600 | 74/20 | NZAC | GK | 30.3.74 | " | " |
| | Hunua Range, Kohukohunui | | 2 | 548 | 74/21 | NZAC | JCW | 30.3.74 | " | " |
| | <u>Elatostema rugosum</u> | | | | | | | | | |
| | Hunua Range, Kohukohunui | | 1 | 609 | 74/22 | NZAC | JCW | 30.3.74 | 37 02 | 175 1 |
| | <u>Cyathea smithii</u> , <u>Microseris avenacea</u> , <u>Uncinia uncinata</u> | | | | | | | | | |
| | Papakura, Kirk Memorial Park | 40 | 31 | 20 | 6/77* | NZAC | HPM | 15.2.77 | 37 03 | 174 5 |
| | <u>B. tarairi</u> , <u>G. linguistifolium</u> , <u>punga</u> | 5 | 2 | 20 | 7/77* | " | " | " | " | " |
| | <u>B. tarairi</u> , <u>G. linguistifolium</u> , <u>punga</u> , <u>Dryopteris</u> (6♂ and 6♀ deposited at) | | | | | | | | | |
| | Papakura, Kirk Memorial Park | 28 | 16 | 20 | 8/77* | NZAC | HPM | 15.2.77 | 37 03 | 174 5 |
| | <u>Laurelia roxae-zelandiae</u> , <u>Vitex lucens</u> , <u>punga stems</u> | | | | | | | | | |
| | Ponga Bush | 9 | 18 | 300 | 73/1 | NZAC | BMM | 4.1.73 | 37 06 | 175 0 |
| | <u>B. tarairi</u> , <u>Melicope</u> , <u>Rhipogonum</u> , <u>Freycinetia</u> , <u>C. dealbata</u> , <u>Dryopteris</u> | | | | | | | | | |
| | Maketu Stream | many | | | 73/3 | NZAC | BMM | 12.12.72 | 37 08 | 174 5 |
| | <u>Myrtus bullata</u> | | | | | | | | | |
| | Maketu Stream | 3 | 1 | | 73/4 | NZAC | BMM | 28.12.72 | 37 08 | 174 55 |
| | Maketu Stream | 12 | 10 | | 73/5 | NZAC | BMM | 4.1.73 | 37 08 | 174 55 |
| | <u>B. tarairi</u> , <u>R. scandens</u> , <u>Melicope</u> , <u>Rhipogonum</u> , <u>Freycinetia</u> , <u>C. dealbata</u> , <u>Dryopteris</u> | | | | | | | | | |
| | Ponga Road, Opakeke | 3 | 5 | 274 | 10/77* | NZAC | HPM | 15.2.77 | 37 07 | 175 00 |
| | <u>B. tarairi</u> , <u>punga roots</u> | 3 | 5 | 274 | 11/77* | NZAC | HPM | 15.2.77 | 37 07 | 175 00 |
| | Ponga Road, Opakeke | | 1 | 274 | 11/77* | NZAC | HPM | 15.2.77 | 37 07 | 175 00 |
| | <u>Podocarpus farrugineus</u> , <u>epiphyte</u> | | | | | | | | | |
| | Peach Hill Road, Drury | 3 | 5 | 167 | 9/77* | NZAC | HPM | 15.2.77 | 37 08 | 175 00 |
| | <u>B. tarairi</u> , <u>G. linguistifolium</u> , <u>D. spectabile</u> , <u>punga roots</u> | | | | | | | | | |
| | C.L. Little Barrier Island | | 1 | | | BMNH | AEB(6) | | 36 12 | 175 00 |
| | Great Barrier Island, Motarerehe | 1 | 2 | | | NMNZ | RG0 | 20.11.64 | 36 07 | 175 2 |
| | Great Barrier Island, Whangaparapara | 1 | 2 | | | BMNH | AEB(6) | | 36 14 | 175 2 |
| | Great Barrier Island, Maunauaki | 1 | 1 | | | BMNH | TB(2) | 7.3.11 | | |
| | <u>B. tawa</u> | | | | 76/86 | NZAC | JSD | 22.10.76 | 36 58 | 175 3 |
| | Tapu/Coroglen Road, Square Kauri | 5 | 4 | | | NZAC | HPM | 2.12.74 | 36 59 | 175 3 |
| | Tapu/Coroglen Road, summit | 1 | | | | NZAC | HPM | 2.12.74 | 37 00 | 175 3 |

| Paratrichus brevipennis cont. | | | ♂ | ♀ | (m) | Sample no. | Repos. | Coll. | date | SIR (HO) 20 | long. |
|--|--|--|----|----|-----|------------|--------|-------|----------|-------------|--------|
| Table Mountain, montane forest | | | 7 | 9 | 793 | | NZAC | APD | 19.10.76 | 37 03 | 175 4 |
| Table Mountain, <u>Astelia</u> base | | | 4 | 4 | 793 | | NZAC | APD | 19.10.76 | " " | " " |
| Table Ma Mountain | | | 31 | 28 | 793 | 56/77* | NZAC | APD | 8.10.77 | " " | " " |
| <u>Phoradendron</u> <u>truxoides</u> , <u>Phrygnanopuntia</u> | | | | | | | | | | | |
| <u>D. cuneatum</u> , <u>Phyllostachys</u> <u>P. glauca</u> , | | | | | | | | | | | |
| <u>Quintinia</u> <u>Q. venusta</u> , <u>Dracophyllum</u> | | | | | | | | | | | |
| <u>traversii</u> , <u>Crissaloma</u> <u>littoralis</u> , | | | | | | | | | | | |
| <u>Pseudopanax</u> <u>P. colensoi</u> , <u>P. discolor</u> , | | | | | | | | | | | |
| <u>Waimanama</u> <u>W. silvicola</u> | | | | | | | | | | | |
| Table Ma Mountain | | | 3 | 8 | 793 | 51/77* | NZAC | APD | 8.10.77 | | |
| As above; <u>Astelia</u> <u>trinervis</u> groundw. | | | | | | | | | | | |
| Coromandel Road, near summit | | | 2 | 6 | | 72/33 | NZAC | GWR | 19.1.72 | 37 07 | 175 41 |
| <u>W. racemosa</u> , <u>Neopanax</u> <u>arborescens</u> , | | | 2 | 2 | | 72/34 | " | " | " | " | " |
| <u>Boltonia</u> <u>B. tawa</u> , <u>Lygodium</u> , | | | 22 | 11 | | 72/35 | " | " | " | " | " |
| <u>Cyathea</u> , <u>Brachyglottis</u> , <u>Schefflera</u> , | | | 1 | 1 | | 72/36 | " | " | " | " | " |
| Kirikiri Saddle | | | 3 | 5 | 488 | 76/82 | NZAC | JSD | 21.10.76 | 37 12 | 175 34 |
| <u>W. racemosa</u> <u>W. racemosa</u> , <u>B. tawa</u> | | | | | | | | | | | |
| BP Kaimai Range | | | 12 | 11 | | 72/30 | NZAC | GWR | 18.1.72 | 37 50 | 175 41 |
| <u>B. tawa</u> | | | | | | | | | | | |
| Kaimai Range Summit | | | 5 | 2 | | 72/31 | NZAC | GWR | 18.1.72 | 37 50 | 175 48 |
| <u>B. tawa</u> regrowth | | | | | | | | | | | |
| Hangi's Track, Rotorua | | | 31 | 21 | | | NMNZ | RGO | 28.10.69 | 38 02 | 176 30 |
| Rotorua/Whakatake SE State Highway | | | 1 | | | | NMNZ | RGO | 18.12.66 | 38 04 | 176 37 |
| Waioeka Gorge, 20km south of Opotiki | | | | 2 | | | NMNZ | RGO | 19.12.66 | 38 05 | 177 15 |
| Mamaku Range | | | 10 | 29 | | 72/25 | NZAC | GWR | 18.1.72 | | |
| <u>B. tawa</u> | | | 2 | 4 | | 72/26 | " | " | " | | |
| | | | 4 | 4 | | 72/27 | " | " | " | | |
| | | | 78 | 53 | | 72/28 | " | " | " | | |
| Mamaku Range | | | 1 | 1 | | 72/29 | NZAC | GWR | 18.1.72 | 38 06 | 176 05 |
| <u>Podocarpus</u> <u>P. b. tawa</u> , <u>Alectryon</u> <u>excelsum</u> | | | | 1 | | 74/22 | " | AKW | 20.11.74 | " | " |
| Mamaku Range | | | | | | 74/22 | NZAC | | | | |
| Mamaku Plateau, Horohoro SE State Forest | | | 5 | 1 | 550 | 76/45 | NZAC | JSD | 27.7.76 | | |
| <u>Dracopis</u> <u>D. cuneatum</u> | | | | | | | | | | | |
| Mamaku Plateau, Tikitiki SE Forest | | | | 1 | | 76/60 | NZAC | JSD | 24.7.76 | 38 12 | 175 53 |
| <u>D. cuneatum</u> , <u>B. tawa</u> , | | | | | | | | | | | |
| <u>Waimanama</u> <u>W. racemosa</u> | | | | | | | | | | | |
| Huiarau | | | | 1 | | 72/24 | NZAC | GWR | 17.1.72 | 38 38 | 176 53 |
| <u>Podocarpus</u> <u>P. spicatus</u> , <u>B. tawa</u> | | | | | | | | | | | |
| ^{ovif} Mt Ngongotaha | | | 2 | 1 | | 51/77* | NZAC | RPP | 2.8.77 | 38 07 | 176 12 |
| <u>B. tawa</u> , <u>Dicksonia</u> <u>fibrosa</u> | | | | | | | | | | | |
| ^{ovif} Mt Ngongotaha | | | 3 | 5 | | 52/77* | NZAC | RPP | 2.8.77 | 38 07 | " |
| <u>W. racemosa</u> | | | | | | | | | | | |
| ^{ovif} Mt Ngongotaha | | | 5 | 3 | | | NMNZ | RGO | 13.5.71 | 38 07 | " |

Forstrochus breviperis cont.

SIR (HO) 20

| North Island | | ♂ | ♀ | Wt. (g) | sample no. (date) | eggs | collector | date | lat, long | 100% lot |
|--------------|---|-----|-----|---------|-------------------|------|-----------|----------|-----------|----------|
| BP | Lab. Okataina | 4 | | 350 | 65/147 | NZAC | NAW | 10.4.65 | 38 06 | 176 25 |
| | Podocarpus | | | | | | | | | |
| | Blue Blot Lake | | 1 | | | NNNZ | JFH | 27.7.69 | 38 08 | 175 40 |
| GB | Lab. Waikaremoana | 10 | 6 | | 72/15 | NZAC | GWR | 17.1.72 | 38 48 | 177 05 |
| | <u>Brachyglottis repanda</u> , <u>Melicope</u> , <u>M. ramiflorus</u> , <u>W. racemosa</u> , <u>Schefflera</u> , <u>Neopanax</u> , <u>Cyathea</u> | | | | | | | | | |
| | Lab. Waikaremoana | 7 | 5 | 700 | 72/16 | NZAC | GWR | 17.1.72 | 38 48 | 177 05 |
| | <u>Elaeocarpus edentatus</u> | | | | | | | | | |
| | Lab. Waikaremoana | 1 | 4 | 700 | 72/17 | NZAC | GWR | 17.1.72 | 38 48 | 177 05 |
| | <u>Baileya birtawa</u> | | | | | | | | | |
| | Lab. Waikaremoana | 15 | 8 | 700 | 72/18 | NZAC | GWR | 17.1.72 | 38 48 | 177 05 |
| | <u>W. racemosa</u> | | | | | | | | | |
| | Whakarata Hills | 1 | 2 | | 62/2 | NZAC | JIT | 9.1.62 | 38 50 | 177 5 |
| TO | Taupe | 2 | | 475 | 65/178 | NZAC | NAW | 21.3.65 | 38 41 | 176 05 |
| | Podocarpus spp. | | | | | | | | | |
| | Ahimanawa Range, Waipunga Falls | 4 | 8 | | 72/9 | NZAC | GWR | 14.1.72 | 38 57 | 176 31 |
| | <u>Dacrydium cupressinum</u> , <u>Podocarpus spicatus</u> | | | | | | | | | |
| | Ahimanawa Range | 160 | 137 | 609 | 72/10 | NZAC | GWR | 14.1.72 | 38 59 | 176 2 |
| | <u>W. racemosa</u> , <u>Alseodaphne</u> , <u>Narabayum</u> | | | | | | | | | |
| | Ahimanawa Range | 30 | 25 | 609 | 72/11 | NZAC | GWR | 14.1.72 | 38 59 | 176 26 |
| | <u>W. racemosa</u> , <u>Melicope ramiflorus</u> , <u>Brachyglottis repanda</u> , <u>Carpodetus</u> , <u>D. cupressinum</u> | | | | | | | | | |
| | Taurewa Lookout | 1 | 1 | | 61/14 | NZAC | GK | 15.12.61 | 39 05 | 175 35 |
| | Desert Road | 7 | 5 | | | OMNZ | | | 39 09 | 175 4 |
| RI | Hikurangi Range | 9 | 9 | 1615 | 62/77* | NZAC | APD | 8.4.77 | 39 50 | 176 04 |
| | <u>Chionochloa pallens</u> , <u>Astelia</u> sp. | | | | | | | | | |
| | Whanahua Ra. | 1 | 5 | 1158 | 64/77* | NZAC | APD | 10.6.77 | 39 53 | 176 05 |
| | <u>Libocedrus bidwillii</u> , <u>Pseudowintera odorata</u> | | | | | | | | | |
| | Mokai Patea Range | 3 | | 1352 | 61/77* | NZAC | APD | 9.4.77 | 39 54 | 176 02 |
| | <u>C. pallens</u> , <u>Cassia veuvilliersii</u> , <u>Hebe venustula</u> , <u>Phormium cookianum</u> , <u>Coprosma</u> sp. | | | | | | | | | |
| | Bruce Park, Hunterville | 3 | 2 | | | OMNZ | RRF | 1.1.67 | 39 57 | 175 3 |
| | Bruce Park, Hunterville, podocarp litter | 11 | 8 | | | NZAC | HPM | 4.12.77 | " | " |
| | Ruahine Corner | 10 | 13 | 1200 | 1/77* | NZAC | APD | 3.1.77 | 39 58 | 176 10 |
| | <u>L. bidwillii</u> , <u>Dacrydium biforme</u> , <u>Phyllocladus alpinus</u> | | | | | | | | | |
| | Ruahine Corner - <u>Nothofagus cliffortioides</u> | 1 | 1 | 1200 | 2/77 | NZAC | APD | 3.1.77 | 39 58 | 176 10 |
| | Ruahine Corner - <u>Chionochloa rubra</u> | 1 | 3 | 1200 | 3/77* | NZAC | APD | 3.1.77 | 39 58 | 176 10 |

Paratrochus hamatus

SIR (HO) 20

| South Island | | | | | | alt. (m) | sample | reposs. | collector | date | lat. long. | long. lat. |
|--------------|--|-----------------|---|----|--|----------|--------------|---------|------------|----------|------------|------------|
| SOUTH I. | | | ♂ | ♀ | | (...) | 5m no. of | | | | | |
| NN | Kaituna | My Valley | 5 | 3 | | | 64/35 | NZAC | JIT | 3.4.64 | 40 42 | 172 37 |
| | Kaburangi | | 4 | 2 | | | 70/51 | NZAC | FA | 20.8.70 | 40 47 | 172 08 |
| | Totaranui | Wainui Ridge | 4 | 3 | | | 67/198 | NZAC | FA | 7.5.67 | 40 48 | 173 00 |
| | Little Canada | | | 1 | | 793 | 67/94 | NZAC | JIT | 27.2.67 | | |
| | <u>Nothofagus spp.</u> | | | | | | | | | | | |
| | Canada | Harwood's Track | 3 | 6 | | 650 | 65/225 | NZAC | LPM | 4.2.65 | 40 56 | 172 5 |
| | <u>Nothofagus spp.</u> | | | | | | | | | | | |
| | Near L. Cobb | Nelson | 6 | 3 | | | 67/90 | NZAC | FA | 18.2.67 | 41 03 | 172 31 |
| | <u>Nothofagus spp.</u> | | | | | | | | | | | |
| | <u>Phyllocladus trichomanoides</u> | | | | | | | | | | | |
| | Mt. Arthur | Lodestone | 1 | | | 1448 | 71/83 | NZAC | JMCB | 24.3.71 | 41 04 | 172 39 |
| | Mt. Arthur | Nelson - moss | | 2 | | 1524 | 65/229 | NZAC | JIT | 4.2.65 | 41 12 | 172 40 |
| | Mt. Arthur | Nelson | 3 | 1 | | 1200 | 69/216 | NZAC | JIT | 13.11.69 | 41 13 | 172 41 |
| | Mt. Arthur | Nelson | 1 | | | 1220 | 69/217 | NZAC | SM BM | 14.11.69 | 41 13 | 172 41 |
| | <u>Hebe toparia</u> | | | | | | | | | | | |
| | Oparara | River | 2 | 1 | | | 10/78* | NZAC | GM PLS | 17.3.78 | 41 10 | 172 12 |
| | <u>Nothofagus spp. Podocarps</u> | | | | | | | | | | | |
| | Oparara | River | 2 | 4 | | | 22/78* | NZAC | GM PLS | 23.4.78 | 41 10 | 172 10 |
| | <u>Podocarp / Hardwood.</u> | | | | | | | | | | | |
| | Little Wanganui | River | 1 | 1 | | | 67/211 | NZAC | FA | 24.6.67 | 41 23 | 172 03 |
| | <u>Rhipogonum scandens, pungu,</u> | | | | | | | | | | | |
| | <u>Weinmannia racemosa, Histiopteris sp.</u> | | | | | | | | | | | |
| | Devil's Thumb | | 7 | 5 | | 1170 | 67/195 | NZAC | FA | 19.3.67 | 41 27 | 172 37 |
| | <u>Nothofagus spp. Podocarps, snowgrass</u> | | | | | | | | | | | |
| | Denniston | | 1 | 2 | | 167 | 65/549 | NZAC | RCE JIT | 1.11.65 | 41 46 | 171 48 |
| | <u>N. fusca, W. racemosa, Quintinia,</u> | | | | | | | | | | | |
| | <u>Dacrydium cupressinum, Elaeocarpus</u> | | | | | | | | | | | |
| | <u>dentatus, Pittosporum tenuifolium,</u> | | | | | | | | | | | |
| | <u>Coprosma lucida, Myrsina Salicaria,</u> | | | | | | | | | | | |
| | Denniston | | 5 | | | | 67/214 | NZAC | FA | 25.1.67 | 41 44 | 171 48 |
| | <u>Nothofagus spp. Phormium, Coprosma spp.</u> | | | | | | | | | | | |
| | Lab. Rotiti | | 1 | | | | 65/103 | NZAC | NAW | 21.3.65 | 41 48 | 172 50 |
| | <u>Nothofagus spp.</u> | | | | | | | | | | | |
| BR | Mt. Robert | | 1 | 1 | | 763 | 65/352 | NZAC | LPM JIT | 8.6.65 | 41 50 | 172 45 |
| | <u>N. menziesii, moss</u> | | | | | | | | | | | |
| | Fletcher's Ck | Pine Site | 1 | 4 | | 137 | 66/72* | NZAC | HPL | 11.7.72 | 41 59 | 171 5* |
| | <u>Pinus radiata, Leucosterna formosa</u> | | | | | | | | | | | |
| | | | 9 | 7 | | " | 67/72* | " | " | " | " | " |
| | | | 9 | 11 | | " | 68/72* | " | " | " | " | " |
| | | | | 1 | | " | 69/72* | " | " | " | " | " |
| | Fletcher's Ck | BR site | 5 | 3 | | 137 | 27/72* | NZAC | HPL | 7.3.72 | 41 59 | 171 5* |
| | <u>N. menziesii</u> | | | | | | | | | | | |
| | | | 2 | 1 | | " | 28/72* | " | " | " | " | " |
| | | | 1 | | | " | 29/72* | " | " | " | " | " |
| | | | | 1 | | " | 50/72* | " | " | 18.4.72 | " | " |

Paratrochus hamatus cont.

SIR (H.O.) 20

South Island
~~South~~

| BR | Fletcher's Creek | ♂ | ♀ | alt. (m) | sample no. | reposit. | collect. | date | lat. long. | long. lat. |
|----|---|----|----|----------|------------|----------|----------|---------|------------|------------|
| | §B2 cont. | 26 | 12 | 137 | 51/72* | NZAC | HPM | 13.4.72 | 41 59 | 171 52 |
| | <i>N. menziesii</i> | 2 | 1 | " | 52/72* | " | " | " | " | " |
| | | 41 | 48 | " | 53/72* | " | " | " | " | " |
| | | | 5 | " | 70/72* | " | JGM | 11.7.72 | " | " |
| | | 1 | 2 | " | 71/72* | " | " | " | " | " |
| | | | 1 | " | 91/72* | " | HPM | 19.9.72 | " | " |
| | | | 1 | " | 92/72* | " | " | " | " | " |
| | | | 1 | " | 114/72* | " | " | 8.11.72 | " | " |
| | | | 2 | " | 115/72* | " | " | " | " | " |
| | | 2 | 5 | " | 6/73* | NHNZ | LCH | 19.9.72 | " | " |
| | | 6 | 7 | " | 6/73* | NZAC | HPM | 8.1.73 | " | " |
| | | 3 | 6 | " | 46/73* | " | " | 4.4.73 | " | " |
| | | 6 | 2 | " | 47/73* | " | " | " | " | " |
| | | 1 | 3 | " | 48/73* | " | " | " | " | " |
| | Fletcher's Creek PBI site (and including XPB1, PB14 and XPB9) | 28 | 20 | 230 | 71/125 | " | JSD | 9.11.71 | 42 00 | 171 49 |
| | Type locality PBI, Type series 71/128 | 93 | 91 | " | 71/127 | " | JGM | " | " | " |
| | <i>N. menziesii</i> , <i>N. fusca</i> , <i>P. ferrugineus</i> | 4 | 9 | " | 71/129 | " | JSD | " | " | " |
| | <i>P. spicatus</i> , <i>Pseudowintera colorata</i> | 5 | 10 | " | 71/138 | " | " | " | " | " |
| | | 5 | 6 | " | 71/141 | " | JGM | " | " | " |
| | | 14 | 22 | " | 72/28 | " | " | 27.1.72 | " | " |
| | | 4 | | " | 72/79 | " | JSD | 25.1.72 | " | " |
| | | 3 | 6 | " | 72/80 | " | " | 26.1.72 | " | " |
| | | 4 | 4 | " | 72/84 | " | JGM | 25.1.72 | " | " |
| | | | 4 | " | 72/94 | " | " | " | " | " |
| | | 1 | 1 | " | 72/95 | " | " | 27.1.72 | " | " |
| | | 10 | 11 | " | 72/96 | " | " | " | " | " |
| | | 6 | 12 | " | 72/104 | " | " | 26.1.72 | " | " |
| | | 6 | 5 | " | 72/122 | " | " | 7.3.72 | " | " |
| | | | 2 | " | 72/123 | " | " | " | " | " |
| | | 3 | 1 | " | 72/128 | " | JSD | " | " | " |
| | | 3 | 6 | " | 72/130 | " | JGM | " | " | " |
| | | 7 | 3 | " | 72/172 | " | JSD | 19.9.72 | " | " |
| | | 2 | 1 | " | 72/187 | " | " | " | " | " |
| | | 9 | 6 | " | 72/184 | " | " | " | " | " |
| | | 6 | 5 | " | 2/72* | " | HPM | 25.1.72 | " | " |
| | | 5 | 6 | " | 3/72* | " | " | " | " | " |
| | | 1 | 3 | " | 4/72* | " | " | " | " | " |
| | | 9 | 5 | " | 7/72* | " | HAPL | 26.1.72 | " | " |
| | | 5 | 6 | " | 8/72* | " | " | " | " | " |
| | | 8 | 19 | " | 30/72* | " | " | 7.3.72 | " | " |
| | | 10 | 3 | " | 31/72* | " | " | " | " | " |
| | | 3 | 5 | " | 32/72* | " | " | " | " | " |
| | | 1 | | " | 37/72* | " | " | " | " | " |
| | | 5 | 3 | " | 38/72* | " | " | " | " | " |

| | ♂ | ♀ | alt. (m) | sample no. | Npos | collector | date | lat. | long. |
|---|----|----|-------------|---------------------|------|-----------|---------|-------|--------|
| Fletcher's Creek PBI site continued | 12 | 21 | 230 | 39/72 [*] | NZAC | HPM | 7.3.72 | " | " |
| | 8 | 3 | | 40/72 [*] | " | " | " | " | " |
| | 4 | 6 | | 56/72 [*] | " | " | 18.4.72 | " | " |
| | 1 | 2 | | 57/72 [*] | " | " | " | " | " |
| | 12 | 15 | | 75/72 [*] | " | JGM | 11.7.72 | " | " |
| | 37 | 39 | | 76/72 [*] | " | " | " | " | " |
| | 23 | 27 | | 77/72 [*] | " | " | " | " | " |
| | 2 | 2 | | 96/72 [*] | " | HPM | 19.9.72 | " | " |
| | 23 | 26 | | 119/72 [*] | " | " | 5.11.72 | " | " |
| | 3 | 1 | | 120/72 [*] | " | " | " | " | " |
| | 7 | 6 | | 13/73 [*] | NMNZ | LCH | 19.9.72 | " | " |
| | 24 | 10 | | 13/73 [*] | NZAC | HPM | 8.1.73 | " | " |
| | 8 | 3 | | 14/73 [*] | " | " | " | " | " |
| | | 1 | | 50/73 ⁺ | " | " | 4.4.73 | " | " |
| | 5 | 3 | | 51/73 ⁺ | " | " | " | " | " |
| | 1 | 1 | | 52/73 ⁺ | " | " | " | " | " |
| Stony Creek Stony Crk, PB 15 site | 19 | 26 | 548 | 72/106 | NZAC | JSD | 7.3.72 | 42 01 | 171 47 |
| <u>N. fusca</u> , <u>Dacrydium cupressinum</u> , | 4 | | " | 72/119 | " | " | " | " | " |
| <u>D. intermedium</u> | | 1 | " | 72/169 | " | " | 19.9.72 | " | " |
| | 2 | 1 | " | 72/182 | " | " | " | " | " |
| | 2 | 1 | " | 10/72 ⁺ | " | HPM | 26.1.72 | " | " |
| | 14 | 13 | " | 11/72 ⁺ | " | " | " | " | " |
| | 4 | 6 | " | 12/72 ⁺ | " | " | " | " | " |
| | 2 | 2 | " | 36/72 ⁺ | " | " | 7.3.72 | " | " |
| | | 1 | " | 59/72 ⁺ | " | " | 18.4.72 | " | " |
| | 3 | 6 | " | 60/72 ⁺ | " | " | " | " | " |
| | 5 | 3 | " | 61/72 ⁺ | " | " | " | " | " |
| | 8 | 11 | " | 82/72 ⁺ | " | JGM | 11.7.72 | " | " |
| | | 1 | " | 99/72 ⁺ | " | " | 19.9.72 | " | " |
| | 1 | | " | 101/72 ⁺ | " | " | " | " | " |
| | 4 | 8 | " | 122/72 ⁺ | " | " | 8.11.72 | " | " |
| | 21 | 13 | " | 123/72 ⁺ | " | " | " | " | " |
| | 6 | 3 | " | 16/73 ⁺ | " | " | 8.1.73 | " | " |
| (68 and 69 deposited at BMNH) | 44 | 41 | " | 17/73 ⁺ | " | " | " | " | " |
| | 1 | 1 | " | 18/73 ⁺ | " | " | " | " | " |
| | 16 | 10 | " | 55/73 ⁺ | " | " | 4.4.73 | " | " |
| | 6 | 4 | " | 56/73 ⁺ | " | " | " | " | " |
| Tauhara, Big Riv Road | 11 | 12 | 274 | 71/136 | NZAC | JGM | 9.11.71 | 42 09 | 171 52 |
| <u>Pinus tariccia</u> , <u>Blechnum capense</u> , | | | | | | | | | |
| <u>B. vulcanicum</u> , <u>Misteropteris</u> sp, | | | | | | | | | |
| <u>Lophomyrtus</u> sp. | | | | | | | | | |

Paratrochus hamatus cont.

SIR (HO.) 20

| South Island | | | | ♂ | ♀ | alt. (m) | SAMPLE NO | NEPOS. | collector | date | lat. long. | ing. lat. |
|--------------|---|--|--|----------------|-----|----------|-----------|--------|-----------|----------|---------------------|-----------|
| | Tauhaki, Big R ^{iver} Road | | | 4 | 2 | 274 | 72/77 | NZAC | JGM | 28.1.72 | 42 09 | 171 52 |
| | <u>Pinnacled Pradiata</u> | | | | | | | | | | | |
| | Tauhaki, Big R ^{iver} Road | | | 5 | 1 | " | 72/126 | NZAC | JGM | 6.3.72 | " | " |
| | <u>Pseudotsuga menziesii</u> | | | | | | | | | | | |
| | Tauhaki, Big R ^{iver} Road | | | 3 | 3 | " | 72/180 | NZAC | JCW | 18.9.72 | " | " |
| | <u>Pinnacled Pradiata</u> | | | | | | | | | | | |
| | Tauhaki, Big R ^{iver} Road | | | 31 | 31 | " | 72/181 | NZAC | JCW | 18.9.72 | " | " |
| | <u>P. menziesii</u> | | | | | | | | | | | |
| | Near Kefton | | | 1 | | 1352 | 65/341 | NZAC | NAW | 9.2.65 | 42 ¹⁰ 09 | 171 52 |
| | <u>Nothofagus</u> spp. lichen | | | | | | | | | | | |
| WD | Lab. Meeraki | | | | 1 | 12 | 66/98 | NZAC | JIT | 24.2.66 | 43 43 | 169 17 |
| | <u>Polytrichum</u> moss | | | | | | | | | | | |
| | Lab. Paringa | | | | 1 | | 65/21 | NZAC | NAW | 7.2.65 | 43 43 | 169 25 |
| | <u>Nothofagus</u> spp. moss, tree ferns on old stump | | | | | | | | | | | |
| | Haast River Flats, leaf mould | | | 1 2 | | | - | NMNZ | RKD | 11.7.69 | 43 50 | 169 02 |
| | Okuru River | | | 11 | 8 | | 66/533 | NZAC | FDA | 4.12.66 | 43 54 | 168 55 |
| | Cascade R ^{iver} Valley | | | 11 | 21 | | 20/78* | NZAC | DGD | 13.3.78 | 44 04 | 168 26 |
| | <u>Nothofagus menziesii</u> , <u>Dacrydium cupressinum</u> | | | | | | | | | | | |
| | Haast Pass area | | | 46 | 19 | 564 | 65/144 | NZAC | DJK | 24.5.65 | 44 06 | 169 24 |
| | <u>N. menziesii</u> | | | 212 | 155 | | 65/143 | " | " | 25.5.65 | | |
| | | | | 3 | 1 | | 65/144 | " | " | " | | |
| | | | | 2 | 5 | | 65/145 | " | " | 26.5.65 | | |
| | Haast Pass area | | | 4 | 2 | 549 | 66/104 | NZAC | GK | 28.2.66 | | |
| | <u>N. menziesii</u> , <u>Coprosma</u> spp. | | | | | | | | | | | |
| | Haast Pass area | | | 5 | 3 | 518 | 66/349 | NZAC | JIT | 28.10.66 | | |
| | <u>N. menziesii</u> , moss | | | | | | | | | | | |
| | Haast Pass Area, Greenstone Crk | | | 26 | 11 | | 66/467 | NZAC | AKW | 17.12.66 | 44 56 | 168 22 |
| | <u>Fuchsia</u> , <u>Coprosma</u> spp. tree ferns | | | | | | | | | | | |
| | Woodhen Crk | | | 1 | 2 | | 18/78* | NZAC | BJK | 13.3.78 | 44 10 | 168 25 |
| | <u>N. menziesii</u> | | | | | | | | | | | |
| OL | Makarora | | | 8 | 11 | | - | OMNZ | RRF | 15.3.66 | 44 07 | 169 22 |
| | <u>Nothofagus</u> spp. | | | | | | | | | | | |
| FD | Milford Sound | | | 57 | 29 | | 66/359 | NZAC | JIT | 1.11.66 | 44 40 | 167 53 |
| | <u>Melicactus ramiflorus</u> , <u>Schefflera digitata</u> | | | | | | | | | | | |
| | <u>Hedycarya arborea</u> , <u>Dicksonia</u> sp. | | | | | | | | | | | |
| | <u>Metrosideros umbellata</u> , <u>Aristolochia serrata</u> , | | | | | | | | | | | |
| | <u>Blechnum lanceolatum</u> | | | | | | | | | | | |
| | Takake Vly, Murchison Mts ^{range} mountains | | | 1 | | | 72/275 | NZAC | ACE | 10.12.72 | 45 12 | 167 23 |
| | <u>Nothofagus</u> spp. | | | | | | | | | | | |

Paratrochus retroflexus

SIR (H.O.) 20

| South Island | | | | ♂ | ♀ | alt. (m) | sample no. | repos. | coll. | date | lat. long | 1000' alt. |
|--------------|---|---------------------------------|--|-----|-----|----------|------------|--------|---------|----------|-----------|------------|
| NN | Kahurangi Lighthouse | outer | | 13 | 13 | | 70/149 | NZAC | FDA | 21.8.70 | 40 47 | 172 08 |
| | Kahurangi Lighthouse | inner | | 4 | 2 | | 70/151 | " | FDA | 20.8.70 | " | " |
| | Mount Damett | Lakefore | | 11 | 11 | 1260 | 5/77* | NZAC | APD | 2.2.77 | 41 03 | 172 20 |
| | Type locality | | | | | | | | | | | |
| | <u>Chionochoa pallens</u> | | | | | | | | | | | |
| | Mount Damett | (1 ♂ and 1 ♀ deposited at BMNH) | | 4 ♂ | 2 ♀ | 1525 | 71/161 | NZAC | JSD | 30.11.71 | 41 04 | 172 21 |
| | <u>Chionochoa crassiuscula</u> | | | | | | | | | | | |
| | <u>Dracophyllum</u> , <u>Celmisia</u> sp. | | | | | | | | | | | |
| | Oparara River | | | 1 | | | 10/78* | NZAC | PLS, GM | 17.3.78 | 41 10 | 172 12 |
| | <u>Nathofoagus</u> spp. podocarps | | | | | | | | | | | |
| BR | Mount Hercules | | | 7 | 8 | 180 | 66/110 | NZAC | JIT | 1.3.66 | 43 10 | 170 28 |
| | <u>Weinmannia racemosa</u> | | | | | | | | | | | |
| | <u>Drosera</u> <u>cupressinum</u> , <u>Blechnum</u> | | | | | | | | | | | |
| | <u>capense</u> , moss | | | | | | | | | | | |

Paratrochus tubifer

| North Island | | | | ♂ | ♀ | alt. (m) | sample no. | repos. | coll. | date | lat. long | 1000' alt. |
|--------------|---|--|--|---|---|----------|------------|--------|-------|----------|-----------|------------|
| TK | Mount Messenger | | | 4 | 5 | 200 | 69/77* | NZAC | HPH | 7.6.77 | 38 53 | 174 3 |
| | Type locality | | | | | | | | | | | |
| | <u>Knightia excelsa</u> , <u>Weinmannia racemosa</u> , | | | | | | | | | | | |
| | <u>Metrosideros robusta</u> | | | | | | | | | | | |
| | Mount Messenger | | | 2 | 3 | " | " | " | " | 27.10.75 | " " | " |
| | <u>K. excelsa</u> , <u>W. racemosa</u> | | | | | | | | | | | |
| | Mount Messenger | | | 2 | 1 | " | 68/77 | " | " | 7.6.77 | " " | " " |
| | <u>W. racemosa</u> , <u>Astelia</u> sp., <u>Olearia</u> sp. | | | | | | | | | | | |
| | Mount Messenger | | | 1 | | " | 67/77* | " | " | 7.6.77 | " " | " " |
| | <u>W. racemosa</u> , <u>K. excelsa</u> , <u>Brachyglottis repanda</u> | | | | | | | | | | | |
| | Whangamomona Road | | | 9 | 6 | 260 | 37/77* | " | " | 8.6.77 | 39 09 | 174 4 |
| | <u>Beilschmiedia tawa</u> , tree ferns | | | | | | | | | | | |
| | (2 ♂ and 2 ♀ deposited at BMNH) | | | | | | | | | | | |

26 Paratrochus flexuosus

| North Island | | ♂ | ♀ | alt. (m) | sample no. | repos. | coll. | date | lat. long. |
|---|----------------------|---|---|----------|------------|--------|-------|---------|--------------|
| ND | Pukeati State Forest | 2 | 3 | | 72/53 | NZAC | GWR | 21.1.72 | 35 13 173 44 |
| Type locality | | | | | | | | | |
| Podocarpus totara , <i>Dysoxylum spectabile</i> , <i>Beilschmiedia toraini</i> , <i>B. tawa</i> , <i>Pittosporum</i> sp. | | | | | | | | | |

26 Paratrochus angulatus

| North Island | | ♂ | ♀ | alt. (m) | sample no. | repos. | coll. | date | lat. long. |
|--|----------------------------|---|---|----------|------------|--------|-------|---------|--------------|
| AK | Pinchgut Road, Kaurakapapa | | 1 | 91 | 19/77* | NZAC | HPM | 17.2.77 | 36 38 174 28 |
| Type locality (Paratype) | | | | | | | | | |
| <i>Dacrydium cupressinum</i> , <i>Brachyglottis repanda</i> , <i>Phyllocladus trichomanoides</i> , <i>G. abnii</i> tree fern | | | | | | | | | |
| | Pinchgut Road, Kaurakapapa | 2 | 2 | | 20/77* | NZAC | HPM | 17.2.77 | 36 38 174 28 |
| Type locality Type locality | | | | | | | | | |
| <i>Agathis australis</i> | | | | | | | | | |

27 Paratrochus anophthalmus

| South Island | | ♂ | ♀ | alt. (m) | sample no. | repos. | coll. | date | lat. long. |
|---------------|-----------|---|---|----------|------------|--------|-------|------|------------|
| BR | Greymouth | 2 | n | | ISNB | FRS | RH | | |
| Type locality | | | | | | | | | |

28 Paratrochus insuetus

| North Island | | ♂ | ♀ | alt. (m) | sample no. | repos. | coll. | date | lat. long. |
|---|-----------------------------------|---|---|----------|------------|--------|-------|---------|--------------|
| AK | Waitakere Range Destruction Gully | 1 | | 183 | | NZAC | HPM | 10.9.75 | 37 01 174 52 |
| Type locality | | | | | | | | | |
| punga roots in regenerating forest mixed broadleaf forest | | | | | | | | | |

| | | | | | | | | | | | | |
|--------------|---|--|--|----|------|--------|------|-----|----------|----|----|--------|
| North Island | | | | | | | | | | | | |
| WN | Tararua Range, Field Hut | | | 1 | 1006 | 65/478 | NZAC | JIT | 2.9.65 | 40 | 56 | 175 16 |
| | moss in tussock | | | | | | | | | | | |
| | Kaitoke Waterworks, Bush Walk | | | 26 | 32 | 200 | NZAC | HDM | 8.12.75 | 41 | 03 | 175 1 |
| | Type locality | | | | | | | | | | | |
| | <u>Metopogon truncata</u> , <u>Metrosideros</u> | | | | | | | | | | | |
| | <u>robusta</u> , <u>Weinmannia racemosa</u> , | | | | | | | | | | | |
| | <u>Dacrydium cupressinum</u> | | | | | | | | | | | |
| | (6♂ and 6♀ from deposited at BMNH) | | | 1 | " | " | " | " | 24.11.75 | " | " | " " |
| | | | | 24 | 35 | " | " | KAA | 9.2.76 | " | " | " " |
| WA | Hauurangi, Aorangi Mountains | | | 1 | 670 | 65/461 | NZAC | JIT | 2.9.65 | 41 | 22 | 175 24 |
| | moss | | | | | | | | | | | |

50 *Paratrochus parvulus*

| South Island | | | | | | alt. (m) | Sample no. | repos. | collector | date | lat. long. | long. lat. |
|--------------|--|--|----|----|--|----------|------------|--------|-----------|----------|------------|------------|
| South Island | South Island | | ♂ | ♀ | | | | | | | | |
| NN | Near Mangaraka Sawmill, Fraser Stream | | 6 | 2 | | 305 | 67/231 | NZAC | FDA | 22.9.67 | 40 38 | 172 29 |
| | <i>Nothofagus</i> sp, <i>Dacrydium cupressinum</i> , <i>Weinmannia racemosa</i> | | | | | | | | | | | |
| | Anatani River | | 1 | | | | 67/234 | NZAC | FDA | 18.8.67 | 40 46 | 172 23 |
| | <i>Cyathea medullaris</i> , <i>Melicope ramiflora</i> , <i>Brachyglottis repanda</i> , <i>Rhopalostylis sapida</i> , a creeper | | | | | | | | | | | |
| | Heaphy River | | | 1 | | | 67/210 | NZAC | FDA | 17.6.67 | 40 53 | 172 08 |
| | <i>R. sapida</i> , <i>M. ramiflora</i> , <i>Punga</i> | | | | | | | | | | | |
| | Heaphy Track, Brown River | | 1 | ♀ | | | 67/236 | NZAC | FDA | 22.8.67 | 40 51 | 172 57 |
| | <i>Agathis australis</i> , <i>Beilschmiedia tang.</i> , <i>Weinmannia silvicola</i> , <i>D. cupressinum</i> , <i>Metrosideros robusta</i> , <i>Akrama</i> , <i>Eucymetria</i> , <i>Alseosmia</i> , <i>Alseosmia macrophylla</i> , <i>Artelia</i> , <i>Cyathea dealbata</i> , <i>Podocarpus ferrugineus</i> , <i>Rhipogonum scandens</i> , <i>Dracophyllum latifolium</i> | | | | | | | | | | | |
| | Karamea River (♂ & ♀ deposited at BRN) | | ♂ | 2 | | | 67/216 | NZAC | FDA | 27.6.67 | 41 16 | 172 29 |
| | <i>W. racemosa</i> , <i>Carpodetus serratus</i> , <i>Capsma</i> sp, ferns | | | | | | | | | | | |
| | Little Wangamui | | 6 | 6 | | | | OMNZ | CLW RRF | 28.9.66 | 41 23 | 172 04 |
| | Little Wangamui River | | 5 | 2 | | | 67/211 | NZAC | FDA | 24.6.67 | | |
| | <i>R. scandens</i> , <i>W. racemosa</i> , <i>punga</i> , <i>Histiapteris</i> sp. | | | | | | | | | | | |
| | Karamia Bluff Summit Scenic Reserve | | 20 | 13 | | 420 | 12/78* | NZAC | PLS GM | 17.3.78 | 41 31 | 172 01 |
| | Type locality mixed podocarp/beech forest | | | | | | | | | | | |
| BR | Dublin Terrace, Buller | | 2 | | | | 61/8 | NZAC | IIT | 25.11.61 | 41 49 | 172 04 |
| | Fletcher's Ck, Pine Site (at summit) | | 6 | | | 140 | 89/72* | NZAC | HPM | 19.9.72 | 41 59 | 171 5 |
| | <i>Pinus radiata</i> , <i>Leycesteria formosa</i> | | | | | | | | | | | |
| | Capelston PBS site | | 2 | | | 270 | 136/72* | NZAC | HPM | 8.11.72 | 42 03 | 171 5 |
| | <i>Nothofagus fusca</i> , <i>N. menziesii</i> , <i>N. truncata</i> , <i>P. ferrugineus</i> | | 1 | 1 | | | 109/72* | NZAC | HPM | 19.9.72 | | |
| | Mawhera State Forests Mt F semi park site | | 2 | | | 300 | 43/72* | NZAC | HPM | 7.3.72 | 42 30 | 171 33 |
| | <i>Metrosideros umbellata</i> , <i>Dacrydium colensoi</i> , <i>D. biforme</i> , <i>Leptospermum scoparium</i> | | | | | | | | | | | |

| South Island | | ♂ | ♀ | alt. (m) | Sample no. | npos. | coll. | date | lat. | long. |
|--------------|--|----|----|----------------|------------------|-------|----------------|---------|-------|--------|
| BR | Fletcher's Creek Pine site | 1 | | 137 | 67/72 | NZAC | JGM | 11.7.72 | 41 59 | 171 59 |
| | humus and A horizon from earlier forest cover, now under <i>Pinus radiata</i> and <i>Leycesteria formosa</i> | 23 | 15 | " | 68/72 | " | " | " | " | " |
| | | 5 | 1 | " | 69/72 | " | " | " | " | " |
| | Fletcher's Creek B2 site | 3 | 4 | 239 | 52/72 | " | HPM | 18.4.72 | 41 59 | 171 52 |
| | humus and A horizon under <i>Nothofagus menziesii</i> | 7 | 12 | " | 53/72 | " | " | " | " | " |
| | | | 2 | " | 71/72 | " | JGM | 11.7.72 | " | " |
| | | | 1 | " | 73/72 | " | " | " | " | " |
| | | 1 | | " | 74/72 | " | " | " | " | " |
| | | | 1 | " | 6/73 | " | HPM | 8.1.73 | " | " |
| | | 2 | 2 | " | 7/73 | " | " | " | " | " |
| | Fletcher's Creek PBI site (and including XPBI) | 1 | 1 | 230 | 3/72 | " | " | 26.1.72 | 42 00 | 171 49 |
| | | | 1 | " | 4/72 | " | " | " | " | " |
| | Type locality PBI, Type series 55, 56, 57/72* | 1 | | " | 40/72 | NMNZ | LCH | 19.9.72 | " | " |
| | | 4 | 2 | " | 40/72 | NZAC | HPM | 7.3.72 | " | " |
| | <i>N. menziesii</i> , <i>N. fusca</i> , <i>Podocarpus ferrugineus</i> , <i>P. spicatus</i> | 1 | 3 | " | 55/72 | " | " | 18.4.72 | " | " |
| | | 8 | 15 | " | 56/72 | " | " | " | " | " |
| | | 23 | 23 | " | 57/72 | " | " | " | " | " |
| | | 1 | | " | 96/72 | " | " | " | " | " |
| | | 1 | | " | 97/72 | " | " | " | " | " |
| | (58 and 59 deposited at BMNH) | 13 | 14 | " | 119/72 | " | " | " | " | " |
| | | 10 | 4 | " | 120/72 | " | " | " | " | " |
| | | 3 | | " | 13/73 | " | " | " | " | " |
| | | 7 | 7 | " | 14/73 | " | " | " | " | " |
| | Stony Creek PB15 Site | 16 | 7 | 440 | 12/72 | NZAC | HPM | 26.1.72 | 42 01 | 171 47 |
| | A horizon under <i>N. fusca</i> , <i>Dacrydium cupressinum</i> , <i>D. intermedium</i> | 2 | 4 | " | 61/72 | " | " | 18.4.72 | " | " |
| | | 4 | 1 | " | 82/72 | " | JGM | 11.7.72 | " | " |
| | | 2 | | " | 101/72 | " | " | 19.9.72 | " | " |
| | Capelston PB5 Site | 1 | 2 | 270 | 108/72 | NZAC | HPM | 19.9.72 | 42 03 | 171 5 |
| | Humus and A horizons under <i>N. fusca</i> , <i>N. menziesii</i> | 1 | | " | 133/72 | " | " | 8.11.72 | " | " |
| | | | 1 | " | 137/72 | " | " | " | " | " |
| | <i>N. truncata</i> , <i>P. ferrugineus</i> | 1 | 1 | " | 145/72 | " | " | " | " | " |
| | Rahu Saddle | | 1 | 670 | 65/380 | NZAC | JIT | 1.6.65 | 42 19 | 172 0 |
| | <i>Nothofagus</i> spp. | | | | | | | | | |

26 *Paratrichus pelorensis*

| South Island SOUTHERN | | ♂ | ♀ | alt. (m) | Sample STANDARD NO. | repos. | collector | date | SIR (HO) 20 lat. long. | long. lat. |
|--------------------------|--|---|-----|-------------|---------------------------|--------|-----------|----------|------------------------------|---------------|
| SD | Ship Cove | | 1 | 365 | 72/273 | NZAC | JSD | 30.11.72 | 41 06 | 174 14 |
| | <i>Nathofagus fusca, Hymenophyllum</i> | | | | | | | | | |
| | <i>Blechnum discolor</i> | | | | | | | | | |
| | ^{quint} Mt. Stokes | | 1 | | 67/246 | NZAC | JIT | 13.10.67 | 41 07 | 174 07 |
| | Pelorus Bridge (paratypes) | 1 | 4 | 31 | 67/220 | NZAC | GK | 25.7.67 | 41 18 | 173 34 |
| | Type locality | | | | | | | | | |
| | Pelorus Bridge | ♂ | ♀ 1 | | 16/78 ⁺ | NZAC | HPM | 13.3.78 | | |
| | Type locality | | | | | | | | | |
| | <i>Podocarpus totara, Dacrydium</i> | | | | | | | | | |
| | <i>bidwillii</i> | | | | | | | | | |
| | Pelorus Bridge (paratype) | 1 | | | 17/78 ⁺ | NZAC | HPM | 13.3.78 | | |
| | Type locality | | | | | | | | | |
| | <i>Nathofagus solandri, Blechnum sp</i> | | | | | | | | | |
| | <i>Coprosma australis</i> | | | | | | | | | |
| | Pelorus Bridge | | 3 | | 26/78 [*] | NZAC | JCH | 25.6.78 | | |
| | Type locality (holo paratype) | 1 | ♀ | | 23/79 [*] | NZAC | HPM | 16.6.79 | | |
| | <i>Neopanax arboreum, Metrosideros umbellata</i> | | | | | | | | | |
| | <i>Weinmannia racemosa,</i> | | | | | | | | | |
| | <i>Blechnum discolor, ferns, puugas</i> | | | | | | | | | |
| | Pelorus Bridge (paratypes) | | 3 | | 27/78 ⁺ | NZAC | JCH | 25.6.78 | | |
| | Type locality | | | | | | | | | |
| | <i>Podocarpus dactyloides, N. solandri,</i> | | | | | | | | | |
| | <i>Coprosma australis, B. discolor,</i> | | | | | | | | | |
| | <i>Myrtus pedunculata</i> | | | | | | | | | |

27 *Paratrichus aculeatus*

| North Island NORTHERN | | ♂ | ♀ | alt. (m) | Sample SAMPLE NO. | repos. | collector | date | SIR (HO) 20 lat. long. | long. lat. |
|--------------------------|---|----|----|-------------|-------------------------|--------|-----------|---------|------------------------------|---------------|
| AK | Panakura, Kirk Memorial Park | 22 | 17 | 20 | 61/77 [*] | NZAC | HPM | 15.2.77 | 37 03 | 174 57 |
| | Type locality (♂ and ♀ deposited at BANY) | | | | | | | | | |
| | <i>Beilschmiedia tarairi, Dysoxylum</i> | | | | | | | | | |
| | <i>spectabile, Geniostoma linguatrilobum,</i> | | | | | | | | | |
| | Punga roots | | | | | | | | | |
| | Ponga Road, Opahoke | | 1 | 274 | 10/77 [*] | NZAC | HPM | 15.2.77 | 37 07 | 175 00 |
| | <i>B. tarairi, Punga roots</i> | | | | | | | | | |
| | Maketu Stream | 6 | 5 | 152 | 73/5 | NZAC | BMH | 4.1.79 | 37 08 | 174 55 |
| | <i>B. tarairi, Rhinogonum scandens</i> | | | | | | | | | |
| | <i>Melicope sp., Freycinetia, ferns,</i> | | | | | | | | | |
| | <i>Podocarpus, Myrtus bullata,</i> | | | | | | | | | |
| | <i>Cyathea dealbata, Dryopteris</i> | | | | | | | | | |
| | Peach Hill Road, Drury | 3 | | 167 | 9/77 ⁺ | NZAC | HPM | 15.2.77 | 37 08 | 175 0 |
| | <i>B. tarairi, G. linguatrilobum,</i> | | | | | | | | | |
| | <i>D. spectabile, Punga roots</i> | | | | | | | | | |

21 *Parasitocera phaeus*

SIR (HO) 20

North Island
North Is.

♂

♀

alt.
(m)

sample
no. 1787

repos.

collected

date

lat.
long.

long.
lat.

WO

ount
Mt Pirongia

7

5

460

48/77

NZAC

HPM

28.7.77

38 00

175 10

Type locality (18 and 19 deposited at BMNH)

Waiomaria racemosa, *Beilschmiedia tawa*

Pseudowintera axillaris, *Quintinia serrata*

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