

CATALOGUE OF SPECIES

ONYCHOPHORA

Peripatoides novae-zealandiae Hutton

Tx-t

Te Kuiti: Waipuna Cave, 50yds, 9.ii.1958, 1 spec. (R. Scott); Ruakuri Cave, 20yds, 30.iii.1959, 1 spec. (L. G. Watson).

Taken during dry periods in summer when cave conditions were more attractive than its normal bush habitat.

CRUSTACEA—ISOPODA

STYLONISCIDAE (det. A. Vandel)

Styloniscus phormianus (Chilton)

Tph.

Te Kuiti: Waipuna Cave, on rat droppings, 100yds, 11.i.1958, 1 ♂, 2 ♀, partially depigmented, eyes normal (B. M. May); Luckie Strike Cave, ex trap, 150yds, 6.iv.1958, 1 spec. (D. V. May); 500yds, 1 ♂, 4 ♀ ♀ (D. V. May); 150yds, 14.ii.1959, 1 ♀ totally depigmented, 2 ommatidia only, 1 ♂, 2 ♀ ♀ partially depigmented (B. M. May); 1 ♂, 1 ♀ partially depigmented (K. A. J. Wise); Warren's Cave, depth 90ft, 150yds, 20.iv.1959, 1 ♂ with body totally, eyes partially, depigmented (B. M. May); Virginia Cave, depth 90ft, 150yds, 19.iv.1959, 1 ♀ partially depigmented (B. M. May).

Port Waikato: Puriri Cave, 350yds, 15.vi.1958, 1 spec. entirely pigmented, eyes normal (B. M. May); 100yds, 1.viii.1959, 4 spec., entirely pigmented (B. M. May).

This terrestrial isopod, which was present in all caves near debris and rat droppings, was described by Chilton (1901) from specimens inhabiting the bases of flax (*Phormium tenax* Forst.) leaves. In dense stands of flax, the microclimate is probably not dissimilar to that of a cave.

AMPHIPODA

GAMMARIDAE (det. D. E. Hurley)

Paraleptamphopus subterraneus (Chilton)

Tph.

Port Waikato: Puriri Cave, ex still pool beside stream, 150yds, 1.viii.1959, 5 spec. (B. M. May).

Paracalliope fluviatilis (Thomson)

Tph.

Port Waikato: Puriri Cave, ex still pool beside stream, 150yds, 1.viii.1959, 1 spec. (B. M. May).

DECAPODA

ASTACIDAE

Paranephrops planifrons White

Tph?

Te Kuiti: Waipuna Cave, ex stream, 300yds, 11.i.1958, 2 spec., colouration pale, eyes normal (R. W. Taylor).

Crayfish were seen frequently in all cave streams. Though noticeably lighter in colour, they were otherwise similar to those living in surface streams.

MYRIAPODA—CHILOPODA

SCOLOPENDRIDAE

Cormocephalus rubriceps (Newport)

Tx-t.

Te Kuiti: Waipuna Cave, 40yds, 7.vii.1957, 1 spec. (F. E. Walton).

Piopio: Wairere Falls Cave, 20–50yds, 9.vii.1961, 2 spec. (D. V. May).

DIPLOPODA

IULIDAE (det. O. Schubart)

Ophiulus verruculiger Verhoeff

Tx-int.

Te Kuiti: Virginia Cave, depth 110ft, below entrance, 19.iv.1959, 3 ♂ ♂, 5 ♀ ♀ (B. M. May).

This is the first record for New Zealand of this introduced Mediterranean species (Schubart, 1962).