

***Paucispinigera approximata* Freeman**

Tph.

Te Kuiti: Hollow Hill, 400yds, 3.vi.1962, 1♂, 1♀ (B. M. May); Honikiwi, 500yds, 7.x.1962, 1♀ (B. M. May).

Te Anga: Taumatotara Cave, 1.x.1961, 1♀ (D. Gardiner).

***Tanytarsus* sp., det. R. A. Harrison.**

Tph.

Port Waikato: Puriri Cave, 150yds, 15.vi.1958, 1 spec. (B. M. May).

Te Kuiti: Luckie Strike Cave, 500yds, 14.ii.1959, 1 spec. (K. A. J. Wise); White's Cave, 7.iv.1962, 1♂ (B. M. May).

Chironomids, together with some of the smaller tipulids and the sciarids, are the main food sources of the glow-worm *A. luminosa*.

PHORIDAE

***Megaselia rufipes* (Mieg.)**

Tx-t.

Pirongia: Karamu Cave, 300yds, ex trap, 20.iv.1957, 3 specs. (B. M. May).

Te Kuiti: Cut-throat Cave, 100yds, ex trap and on cattle bones, 6.x.1962, 6 specs. (B. M. May).

SPHAEROCERIDAE (det. R. A. Harrison)

***Leptocera thomasi* Harrison**

Tx-t.

Port Waikato: Puriri Cave, ex trap, 350yds, 15.vi.1958, 1 imago, larvae (B. M. May).

CALLIPHORIDAE (det. R. A. Harrison)

***Calliphora quadrimaculata* Swed.**

Tx-int.

Pirongia: Karamu Cave, 200yds, 21.iv.1957, 2 imagines (P. Weston).

This species is numerous wherever carcasses of farm stock have recently decomposed. Although individuals may penetrate for considerable distances, they do not survive long after their source of food has disappeared.

SIPHONAPTERA

DOLICHOPSYLLIDAE

***Nosopsyllus fasciatus* (Bosc.)**

Tx-int.

Pirongia: Karamu Cave, 400yds, 10.xi.1961, 1 spec. (B. M. May).

A single dead specimen of the rat flea was found in a dry wall alcove. Rats are frequent visitors to most caves, although they are very seldom seen. The species is probably *Rattus rattus* L. (Wodzicki 1950). The finding of bones, thought to be those of *R. exulans* Peale (Maori *Kiore*) indicates that this species also may have been present.

COLEOPTERA

CARABIDAE: SCARITINAE (det. G. J. Watt)

***Clivina rugithorax* Putz.**

Tx-int.

Port Waikato: Puriri Cave, 350yds, 15.vi.1958, 1 spec. (B. M. May).

CARABIDAE: LICININAE

***Dichrochile cordicolle* Broun**

Tx-t.

Matira: Gaskell's Stalactite Cave, ex trap, 700yds, 30.xi.1958, 1 spec. (B. M. May).

***Dichrochile cephalotes* Broun, det. E. B. Britton**

Tx-t.

Waitanguru: Briar's Cave, 50yds, 17.iv.1960, 1 spec. (B. M. May).

CARABIDAE: TRECHINAE (det. E. B. Britton)

***Duvaliomimus mayae* Britton**

Tb.

Te Kuiti: Waipuna Cave, ex trap, 500yds, 23.ii.1957, 1 Paratype♀ (B. M. May); 28.ix.1957, 1 Paratype♂, 1 Paratype♀ (F. E. Walton); 2.xi.1957, Holotype♀, 3 Paratypes♀ (V. A. L. May); Luckie Strike Cave, on damp mud, 150yds, 2.xi.1957, 1♀ (P. Weston); ex trap, 150yds, 6.iv.1958, 5 Paratypes♂, 4 Paratypes♀ (D. V. May); ex trap, 500yds, 13 Paratypes♂, 26 Paratypes♀ (D. V. May); 150yds, 14.ii.1959, 1♀ (B. M. May); Hollow Hill Cave, 300yds, 15.ii.1959, remains of 2 specs. (B. M. May); Whites