

4 male syntypes from New Britain, from *Dobsonia peroni* in the Berlin Museum of Natural History, apparently lost.

## MATERIAL IN THE COLLECTION

## SOLOMON ISLANDS

Fatura, Santa Isabel Island, from *Dobsonia inermis*, Mar. 1932, R. A. Lever, 1 ♂ 1 ♀ (Brit. Mus. 1939.338).  
Rennell Island, Lavanggu, 6.xi. 1951, Galathea Expedition, no. L.391, 2 ♂.

***Archinycteribia octophthalma* n.sp.**

(Figs. 693-704)

Length 1.75-2 mm. Colour brown.

*Head.* Similar to that of *A. actena*, but instead of eyes with single lenses there are at each side 2 elliptical frames, each divided into 2 lenses. Occasionally only a single lens in a frame. One of the ocular frames is directed dorsally and the other lies inside a lateral concavity, so that the lenses are directed obliquely laterally and ventrally. This is the largest number of lenses found so far in the Nycteriidae and demonstrates that the number of lenses is variable in the same genus. The area around the eyes is darkly pigmented. There are 3 short setae at the posterior suture of the ventral margin and 2 setae at the anterior ventral angle.

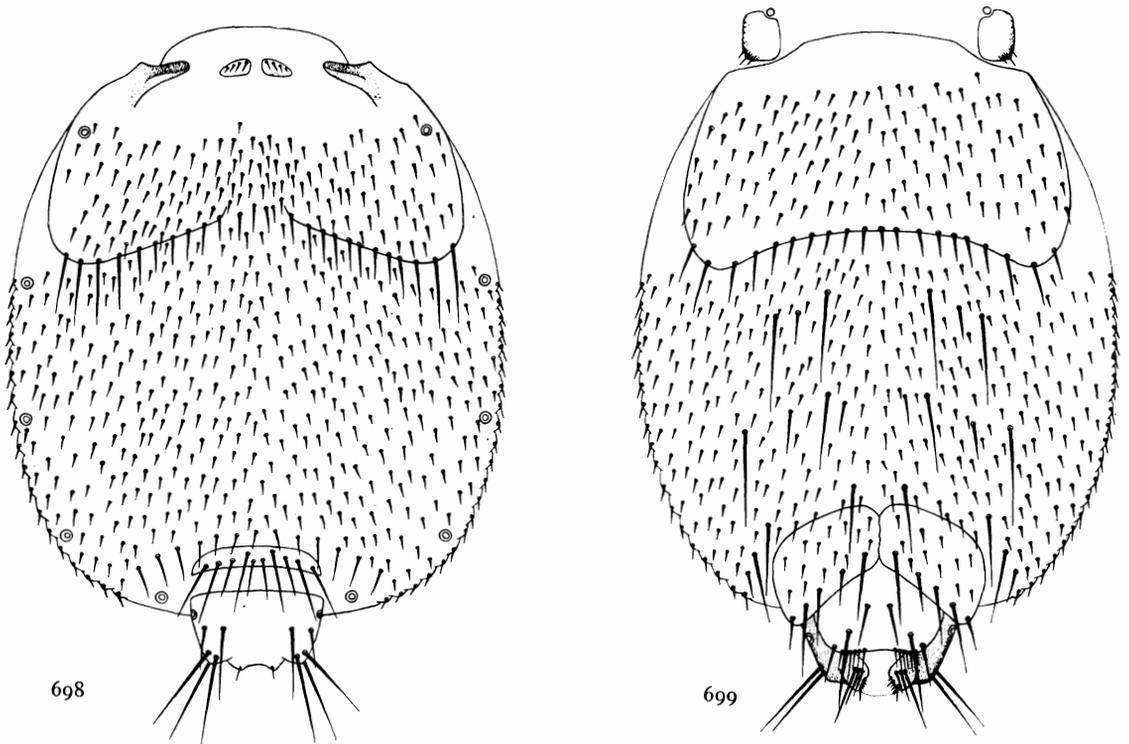
*Thorax.* In general as in *A. actena*, but the mesonotum is more widely elliptical and the notopleural setae shorter. The mesopleural sutures are weakly marked and run along the outer margin of the lateral plates to the haltere groove. The median process of the anterior margin is smaller than in *A. actena*. Coxae 1 rounded posteriorly, with a marginal row of moderately long setae. Thoracic ctenidium with 14 thick, truncate spines with secondary striations. Legs as in *A. actena*, but shorter.

*Male abdomen.* Post-spiracular sclerite broadly triangular, or square, with 3-4 short setae at the corner farthest from the spiracle. Tergite 1 rudimentary, consisting of 2 very small sclerites, each bearing 3 minute hairs. Tergites 2 and 3 divided in the middle. Tergite 3 about half the length of tergite 2. Tergites 4-6 very short, undivided, strip-like. Tergite 4 divided in some specimens. Tergite 6 about half as wide as tergite 4. Tergites 2-6 with marginal rows of short setae, and tergites 2-4 with short setae on the surface. Only a few hairs on the surface of tergite 5, and tergite 6 bare. Anal segment short, conical, with 2-3 setae at the posterior lateral corners and 4 setae on the surface. Sternite 1 + 2 with straight posterior margin which bears a marginal row of setae which are longer laterally. Ctenidium absent. Sternite 3 shorter, with a similar marginal row and 3-4 rows of short setae on the surface. Sternites 4 and 5 short, strip-like, curved, concave posteriorly, with similar marginal rows and 1-2 rows of short setae on the surface. The form of sternite 5 in this species confirms the interpretation that this sternite is also undivided in *A. actena*. Anal segment with sclerotized anterior margin of the ventral surface.

*Genitalia.* Claspers very short, about half the length of those of *A. actena*, tapering to a blunt point with a short ventral hook. A moderately long seta dorsally near the base and a row of short setae on the dorsal surface. Basal arc triangular, with an apodeme which is as long as that of the aedeagus. Aedeagus short, laterally sclerotized in 2 ridges, tapering to a blunt point,

widest in the middle in sideview. The lateral ridges of the aedeagus can be turned sideways, as in *C. ferrarii* and the endophallus is extended during copulation. Apodeme short and narrow. Parameres short, triangular, with short, pigmented apical ends. Phallobase short, conical, with 2 short setae in the middle on each side.

*Female abdomen.* Tergite 1 as in the male. Tergite 2 indistinctly divided in the middle, with concave posterior margin and a marginal row of shorter setae in the middle and longer setae laterally. 5-6 rows of short setae on the surface. Connexivum behind tergite 2 with about



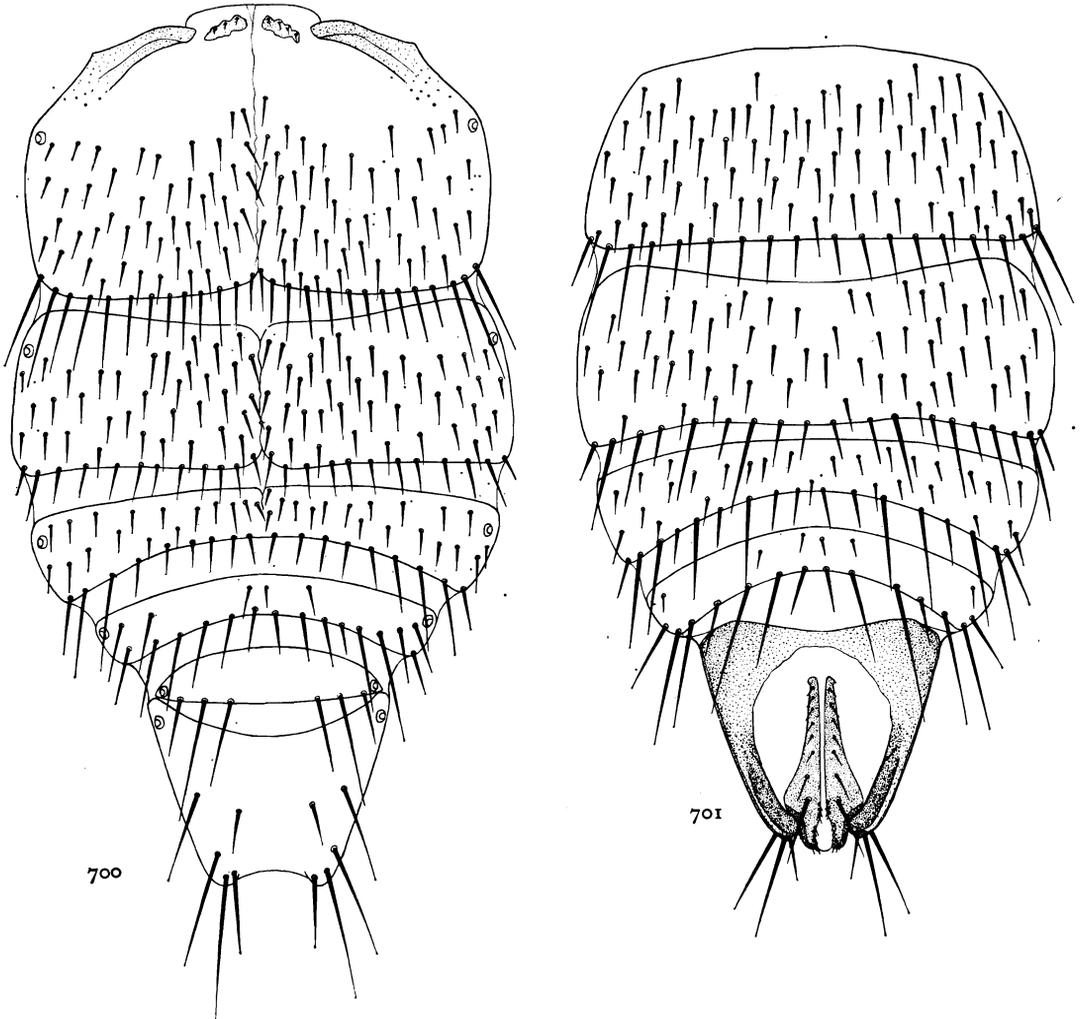
Figs. 698, 699. *Archinycteribia octophthalma* n. sp. Female. 698. abdomen, dorsal; 699. same, ventral.

15 rows of short setae, those of the posterior row longer. Tergite 6 very short, slightly curved, with a row of moderately long setae. Anal segment short, truncate, with a few setae at the posterior corners and 4 setae on the dorsal surface. Sternite 1 + 2 longer than in the male, with concave posterior margin and a marginal row of shorter setae in the middle and slightly longer setae laterally. Short setae on the surface. Sternites 3-5 membranous, covered with short setae and with 4 long setae near the margin. The limits of the sternites are recognizable in distended specimens by narrow bare strips in the spinose field. Sternite 6 with 2 elliptical or rhomboidal, obliquely placed, lateral sclerites which touch in the middle. They have a marginal row of longer and shorter setae, and shorter setae on the surface. Sternite 7 undivided, triangular, wedged between the sclerites of sternite 6. It has a marginal row of short, thin setae, with a gap in the middle and 2 oblique rows of 3 longer setae on the surface, forming an angle with the

apex anteriorly. Genital plates absent. 3 setae near the inner ventral endings of the anal frame at each side.

Distribution: Malaya, Borneo.

MALAYA. Selangor, Bukit Lagong Forest Reserve, from *Penthetor lucasi*, 3.i. 1950, ♂ holotype and 15 paratypes of both sexes. RTB-9303-9305; RTB-9345-9350. British Scrub Typhus Unit. Chicago Natural History Museum.



Figs. 700, 701. *Archinycteribia octophthalma* n. sp. Male. 700. abdomen, dorsal; 701. same, ventral.

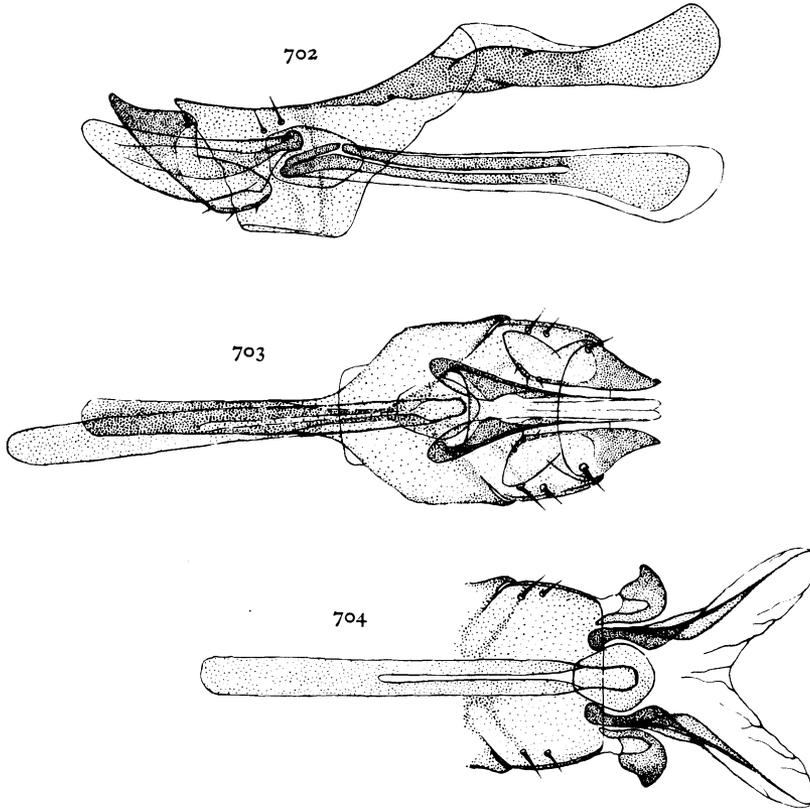
Same data, 16.ix. 1953, B-30077. 10 specimens, paratypes. U.S. National Museum.

Same data, from *Myotis mystacinus muricola*, 10.iii. 1950, 1 ♀, RTB-9398.

Same data, from *Hipposideros* sp., 1 ♂ 1 ♀, RTB-9396-9397. Chicago Natural History Museum.

BORNEO. Sarawak, from *Penthetor lucasi*, 1920, 1 ♂ 3 ♀.

Batu Maliau, Long Lobang, from bats, 16 ♂ ♀, RTB-7823, 7824.



Figs. 702-704. *Archinycteribia octophthalma* n. sp. Male genitalia. 702. profile; 703. same, dorsal, resting position; 704. same, extended.

Tinjar Caves, from bats, 26.vi. 1950, Harrison, Insoll, Johan, 20 ♂ ♀, RTB-7825, 7826.  
Beaufort, from *Rattus sabanus*, 14.v. 1952, British Scrub Typhus Unit, 2 ♂, RTB-10409.

#### MATERIAL IN THE COLLECTION

##### MALAYA

Singapore, from *Penthetor lucasi*, 1913, H. W. Ridley, N. C. Rothschild, 1 ♀ paratype (Brit. Mus. 1913.450).  
Selangor, Bukit Lagong Forest Reserve, from *Penthetor lucasi*, 23.i. 1950, 2 ♂ 2 ♀ paratypes. British Scrub Typhus Unit.

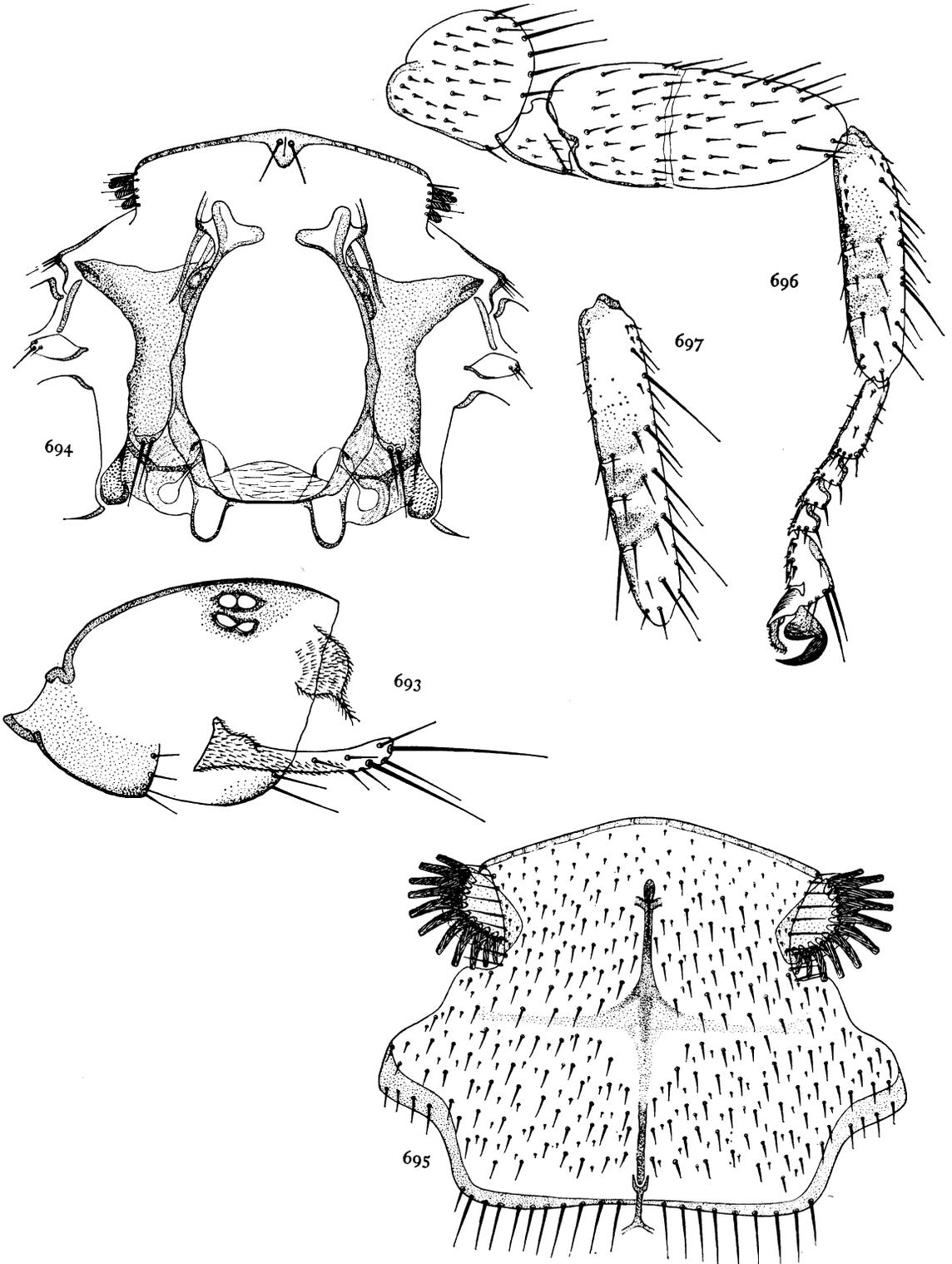
#### HOST SYNONYMY

Name on original label	Current name
<i>Cynopterus lucasi</i> Dobson.	<i>Penthetor lucasi</i> Dobson.
<i>Myotis muricola</i> Gray.	<i>M. mystacinus muricola</i> Gray.

#### GENUS EUCAMPSIPODA Kolenati, 1857

*Eucampsipoda*. Kolenati, 1857, *Wien. Ent. Monatschr.* 1, 62. Type species: *Nycteribia hyrtlüi* Kolenati, 1856.

Head laterally compressed, pigmented dorsally, with elliptical single lenses. Palps finger-shaped. Labella of the proboscis longer than the theca. Thorax pentagonal. Thoracic ctenidia consisting of thick, blunt spines. Mesonotum narrow, widening posteriorly. One long and one



Figs. 693–697. *Archinycteribia octophthalma* n. sp. 693. head, lateral; 694. thorax, dorsal; 695. same, ventral; 696. fore-leg; 697. hind tibia.