

The holotypes of the Acari (Arthropoda: Arachnida) in the Western Australian Museum

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Abstract

Ninety-three recently lodged mite holotypes are listed with associated data.

Introduction

Information regarding the primary type specimens of the Arthropoda (excluding the Crustacea) lodged in the Western Australian Museum prior to 1980 has been presented by Koch (1980)†. These included a few Acari; viz. three mite holotypes (family Trombidiidae) and two tick holotypes and a syntype (family Ixodidae).

Since then large numbers of mite specimens have been added to the collection, and the 93 recently described holotypes are listed here.

The families, genera, subgenera and species are arranged alphabetically within each of the three represented groups: Astigmata, Mesostigmata, and Prostigmata. The generic names of the mites are those with which the specific names were originally combined. For each species or subspecies the information includes the sex, or stage, and WAM register number of the holotype, name of host specimen and of collector or expedition (Exp.), date, and locality of collection including latitude and longitude. Most of the Kimberley Exp. mites were collected by Dr F.S. Lukoschus. They were extracted usually within a few days after collection of the hosts, and the dates given here are those on the slide labels. Each holotype is mounted on a microscope slide. The nomenclature and classification of hosts have been updated.

The information in the present paper has been checked against the literature, records, labels, collectors' names and gazetteers, and where necessary by writing to the collectors and describers. It is believed that any discrepancies between the original papers and this list are due to errors in the former.

I thank Julianne Waldo for assistance.

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† Koch, L.E. (1980). The Primary Types of Arachnida, Chilopoda, Diplopoda, Insecta, Onychophora and Pycnogonida in the Western Australian Museum. *Rec. West. Aust. Mus.* 8 (2): 295-326.

List of types

Order Astigmata
Family Acaridae

Australhypopus flagellifer Fain and Friend, 1984; *Rec. West. Aust. Mus.* 11 (2): 106. Holotype, hypopus, WAM 82/1150. *Ex scats of Myrmecobius fasciatus* Waterhouse, 1836 (Marsupialia: Myrmecobiidae).* J.A. Friend; 8.vii.1981; Dryandra State Forest, WA; 32°44'S, 116°53'E.

Cosmoglyphus angustus Fain and Friend, 1984; *Rec. West. Aust. Mus.* 11 (2): 102. Holotype, hypopus, WAM 82/1151. *Ex scats of Myrmecobius fasciatus* Waterhouse, 1836 (Marsupialia: Myrmecobiidae).* J.A. Friend; 8.vii.1981; Dryandra State Forest, WA; 32°44'S, 116°53'E.

Cosmoglyphus angustus distinctus Fain and Friend, 1984; *Rec. West. Aust. Mus.* 11 (2): 103. Holotype, hypopus, WAM 82/1152. *Ex scats of Myrmecobius fasciatus* Waterhouse, 1836 (Marsupialia: Myrmecobiidae).* J.A. Friend; 8.vii.1981; Dryandra State Forest, WA; 32°44'S, 116°53'E.

Ctenocolletacarus brevirostris Fain, 1984; *Rec. West. Aust. Mus.* 11 (2): 85. Holotype, hypopus, WAM 83/171. From *Ctenocolletes albomarginatus* Michener, 1965 (Hymenoptera: Stenotritidae). A.M. Douglas; 23.x.1947; Merredin, WA; 31°29'S, 118°16'E.

Ctenocolletacarus grandior Fain, 1984; *Rec. West. Aust. Mus.* 11 (2): 79. Holotype, hypopus, WAM 83/170. From *Ctenocolletes centralis* Houston, 1983 (Hymenoptera: Stenotritidae). T.F. Houston; 6, 7.ix.1981; Anketell, H.S. 12.5 km ENE of, WA; 28°02'S, 118°51'E.

Ctenocolletacarus longirostris Fain, 1984; *Rec. West. Aust. Mus.* 11 (2): 79. Holotype, hypopus, WAM 83/169. From *Ctenocolletes nicholsoni* Cockerell, 1929 (Hymenoptera: Stenotritidae). T.F. Houston; 20.viii.1971; Geraldton, 126 miles [200 km] N of, WA; 27°08'S, 114°38'E.

Tyroborus houstoni Fain, 1986; *Rec. West. Aust. Mus.* 12 (4): 409. Holotype, ♀, WAM 85/1168. *Ex* brood cell of *Paragia tricolor* Smith, 1850 (Hymenoptera: Vespidae). T.F. Houston; 30.iii.1983; Noble Falls, c. 30 km SW of Toodyay, WA; 31°45'S, 116°12'E.

* The mites were probably associated with the termite diet of the host – Fain and Friend (1984, p. 101).

Family Atopomelidae

- Austrochirus dorreensis* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 534. Holotype, ♂, WAM 80/342. From *Perameles bougainville* Quoy and Gaimard, 1824 (Marsupialia: Peramelidae). Fisheries and Wildlife Survey; 16.xi.1963; Dorre L., WA; 25°06'S, 113°06'E.
- Dasyurochirus granulipes* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 544. Holotype, ♀, WAM 80/322. From *Sminthopsis granulipes* Troughton, 1932 (Marsupialia: Dasyuridae). W.K. Youngson; 10.iii.1973; Lake Grace, WA; 33°06'S, 118°28'E.
- Dasyurochirus sminthopsis leucopus* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 538. Holotype, ♀, WAM 80/345. From *Sminthopsis leucopus* (Gray, 1842) (Marsupialia: Dasyuridae). P.A. Woolley; 5.xii.1974; Western Port, Vic.; 38°26'S, 145°08'E.
- Dasyurochirus tapoatafa* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 542. Holotype, ♀, WAM 80/326. From *Phascogale tapoatafa* (Meyer, 1973) (Marsupialia: Dasyuridae). A. Frater; 12.xii.1974; Mahogany Creek, WA; 31°54'S, 116°08'E.
- Murichirus (Murichirus) alatus* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 569. Holotype, ♂, WAM 80/346. From *Notomys alexis* Thomas, 1922 (Rodentia: Muridae). P.M. Lambert; 8.i.1975; Wanjarri Reserve, WA; 27°24'S, 120°39'E.
- Murichirus (Murichirus) alatus prosquamatus* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 571. Holotype, ♂, WAM 80/330. From *Pseudomys hermannsburgensis* (Waite, 1896) (Rodentia: Muridae). A.A. Burbidge; 12.iii.1975; Disappointed Hill, WA; 28°03'S, 125°02'E.
- Murichirus (Murichirus) dorsoscutatus* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 573. Holotype, ♂, WAM 80/349. From *Notomys alexis* Thomas, 1922 (Rodentia: Muridae). A.A. Burbidge; 16.iii.1975; Miss Gibson Hill, WA; 26°52'S, 126°20'E. [The discrepant data given by Fain and Lukoschus (1981) are incorrect - Fain, pers. comm.]
- Murichirus (Murichirus) dorsostriatus* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 571. Holotype, ♂, WAM 80/353. From *Notomys alexis* Thomas, 1922 (Rodentia: Muridae). P.M. Lambert; 8.i.1975; Wanjarri Reserve, WA; 27°24'S, 120°39'E.
- Murichirus (Murichirus) lobatitarsis* Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 575. Holotype, ♂, WAM 80/354. From *Melomys* sp. (Rodentia: Muridae). Kimberley Exp.; 30.x.1976; Port Warrender, WA; 14°30'S, 125°50'E.

Holotypes of the Acari

Murichirus (Murichirus) mastacomys Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 579. Holotype, ♂, WAM 80/351. From *Mastacomys fuscus* Thomas, 1882 (Rodentia: Muridae). D. Wimbush [not Wimbosh]; 11.ii.1958; Whites River (Munyang River), NSW; 36° 19'S, 148° 24'E.

Murichirus (Murichirus) quasimelomys Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 567. Holotype, ♂, WAM 80/328. From *Melomys* sp. (Rodentia: Muridae). Kimberley Exp.; 30.x.1976; Port Warrender, WA; 14° 30'S, 125° 50'E.

Murichirus (Murichirus) zyzomys Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 575. Holotype, ♂, WAM 80/356. From *Zyzomys argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 31.x.1976; Port Warrender, WA; 14° 30'S, 125° 50'E.

Notoryctobia notoryctes Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 556. Holotype, ♂, WAM 80/332. From *Notoryctes typhlops* (Stirling, 1889) (Marsupialia: Notoryctidae). E.J. Car [not T. Carr]; 1968; Warburton Range, WA; 26° 06'S, 126° 40'E.

Petaurobia australiana Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 550. Holotype, ♀, WAM 80/324. From *Petaurus breviceps* Waterhouse, 1839 (Marsupialia: Petauridae). A.M. Douglas; 29.[not 20.]vi.1960; Kalumburu, WA; 14° 18'S, 126° 38'E.

Family Chirodiscidae

Albidocarpus chalinolobi Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 524. Holotype, ♀, WAM 80/339. From *Chalinolobus gouldii* (Gray, 1841) (Chiroptera: Vespertilionidae). Kimberley Exp.; 25.viii.1976; Beagle Bay, WA; 16° 59'S, 122° 40'E.

Albidocarpus parvulus Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 527. Holotype, ♀, WAM 80/341. From *Eptesicus douglasi* Kitchener, 1976 (Chiroptera: Vespertilionidae). Kimberley Exp.; 5.x.1976; Geikie Gorge, WA; 18° 05'S, 125° 43'E.

Albidocarpus yandinae intersitus Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 523. Holotype, ♀, WAM 80/337. From *Eptesicus douglasi* Kitchener, 1976 (Chiroptera: Vespertilionidae). Kimberley Exp.; 20.ix.1976; Beverley Springs, WA; 16° 35'S, 125° 29'E.

Dentocarpus (Paradentocarpus) kimberleyensis Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 530. Holotype, ♀, WAM 80/344. From *Eptesicus douglasi* Kitchener, 1976 (Chiroptera: Vespertilionidae). Kimberley Exp.; 8.[not 20.]x.1976; Geikie Gorge, WA; 18° 05'S, 125° 43'E.

Labidocarpus australiensis Fain and Lukoschus, 1981; *Rec. West. Aust. Mus.* 8 (4): 518. Holotype, ♀, WAM 80/334. From *Hipposideros ater* Templeton, 1848 (Chiroptera: Hipposideridae). Kimberley Exp.; 6.x.1976; Geikie Gorge, WA; 18° 05' S, 125° 43' E.

Family Cytoditidae

Cytodites geopeliae Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 23. Holotype, ♀, WAM 79/930. From *Geopelia humeralis* (Temminck, 1821) (Columbiformes: Columbidae). Kimberley Exp.; 25.viii.1976; Beagle Bay, WA; 16° 59' S, 122° 40' E.

Family Glycyphagidae

Alabidopus muris Lukoschus, Janssen Duijghuijsen and Fain, 1979; *Rec. West. Aust. Mus.* 7 (1): 30. Holotype, hypopus, WAM 79/898. From *Rattus tunneyi* (Thomas, 1904) (Rodentia: Muridae). Kimberley Exp.; 30.x.1976; Port Warrender, WA; 14° 30' S, 125° 50' E. [Date and locality not as given by Lukoschus *et al.* (1979).]

Marsupiopus zyzomys Lukoschus, Janssen Duijghuijsen and Fain, 1979; *Rec. West. Aust. Mus.* 7 (1): 38. Holotype, hypopus, WAM 79/888. From *Zyzomys argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 12.ix.1976; Mount Hart, WA; 16° 55' S, 125° 05' E.

Family Hypoderidae

Caprimuldetes podargi Janssen Duijghuijsen, Lukoschus and Fain, 1979; *Rec. West. Aust. Mus.* 7 (1): 6. Holotype, hypopus, WAM 79/845. From *Podargus strigoides* (Latham, 1801) (Caprimulgiformes: Caprimulgidae). Kimberley Exp.; 24.viii.1976; Beagle Bay, WA; 16° 59' S, 122° 40' E.

Neottialges (Pelecanectes) grallinae Janssen Duijghuijsen, Lukoschus and Fain, 1979; *Rec. West. Aust. Mus.* 7 (1): 2. Holotype, hypopus, WAM 79/858. From *Grallina cyanoleuca* (Latham, 1801) (Passeriformes: Grallinidae). Kimberley Exp.; 29.viii.1976; Napier Downs, WA; 17° 15' S, 124° 44' E.

Family Knemidokoptidae

Neocnemidocoptes australiensis Fain and Lukoschus, 1979; *Mitt. hamb. zool. Mus. Inst.* 76: 392. Holotype, ♂, WAM 80/348. From *Poephila guttata* (Vieillot, 1817) (Passeriformes: Ploceidae). Kimberley Exp.; 2.x.1976; Brooking Springs, WA; 18° 07' S, 125° 39' E.

Holotypes of the Acari

Family Laminosioptidae

Calamicoptes conopophilae Lukoschus and Lombert, 1979; *Rec. West. Aust. Mus.* 7 (3): 277. Holotype, ♀, WAM 80/366. From *Conopophila rufogularis* (Gould, 1842) (Passeriformes: Meliphagidae). Kimberley Exp.; 1.x.1976; Brooking Springs, WA; 18°07'S, 125°39'E.

Calamicoptes meliphagae Lukoschus and Lombert, 1979; *Rec. West. Aust. Mus.* 7 (3): 274. Holotype, ♀, WAM 80/364. From *Philemon citreogularis* (Gould, 1837) (Passeriformes: Meliphagidae). Kimberley Exp.; 26.viii.1976; Beagle Bay, WA; 16°59'S, 122°40'E.

Fainocoptes nixoni Lukoschus and Lombert, 1979; *Rec. West. Aust. Mus.* 7 (3): 268. Holotype, ♀, WAM 80/369. From *Geopelia humeralis* (Temminck, 1821) (Columbiformes: Columbidae). Kimberley Exp.; 25.viii.1976; Beagle Bay, WA; 16°59'S, 122°40'E.

Streetacarus australis Lukoschus and Lombert, 1979; *Rec. West. Aust. Mus.* 7 (3): 278. Holotype, ♀, WAM 80/358. From *Calyptorhynchus magnificus* (Shaw, 1790) (Psittaciformes: Psittacidae). Kimberley Exp.; 10.ix.1976; Mount Hart, WA; 16°55'S, 125°05'E.

Order Mesostigmata

Family Ascidae

Proctolaelaps spencerae Domrow, 1979; *Rec. West. Aust. Mus.* 8 (1): 99. Holotype, ♀, WAM 79/1206. From *Tarsipes rostratus* Gervais and Verreaux, 1842 (Marsupialia: Tarsipedidae). T. and R. Goldfinch; 20.xi.1969; Jerdacuttup [not Ferdacuttup], WA; 33°42'S, 120°25'E.

Family Dermanyssidae

Laelaps angiodes Domrow, 1980; *Rec. West. Aust. Mus.* 8 (2): 225. Holotype, ♀, WAM 79/1521. From *Zyzomys woodwardi* (Thomas, 1909) (Rodentia: Muridae). Kimberley Exp.; 29.x.1976; Port Warrender, WA; 14°30'S, 125°50'E.

Laelaps elegans Domrow, 1980; *Rec. West. Aust. Mus.* 8 (2): 213. Holotype, ♀, WAM 79/1434. From *Pseudomys nanus* (Gould, 1858) (Rodentia: Muridae). Kimberley Exp.; 20.x.1976; Mitchell Plateau, WA; 14°53'S, 125°45'E.

Laelaps parameces Domrow, 1980; *Rec. West. Aust. Mus.* 8 (2): 222. Holotype, ♀, WAM 79/1511. From *Conilurus penicillatus* (Gould, 1842) (Rodentia:

Muridae). Kimberley Exp.; 28.x.1976; Port Warrender, WA; 14°30'S, 125°50'E.

Laelaps synnomus Domrow, 1980; *Rec. West. Aust. Mus.* 8 (2): 219. Holotype, ♀, WAM 79/1505. From *Zyzomys argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 28.x.1976; Port Warrender, WA; 14°30'S, 125°50'E.

Liponyssoides lukoschusi Domrow, 1979; *Rec. West. Aust. Mus.* 7 (4): 404. Holotype, ♀, WAM 79/1235. From *Podargus strigoides* (Latham, 1801) (Caprimulgiformes: Podargidae). Kimberley Exp.; 26.viii.1976; Beagle Bay, WA; 16°59'S, 122°40'E.

Family Macronyssidae

Ornithonyssus campester Micherdzinski and Domrow, 1985; *Int. J. Acarol.* 11 (3): 199. Holotype, protonymph, WAM 85/1492. From *Taphozous georgianus* Thomas, 1915 (Chiroptera: Emballonuridae). Kimberley Exp.; 30.viii.1976; Napier Downs, WA; 17°15'S, 124°44'E.

Ornithonyssus stigmaticus Micherdzinski and Domrow, 1985; *Int. J. Acarol.* 11 (3): 199. Holotype, protonymph, WAM 85/1843. From *Saccolaimus flaviventris* Peters, 1867 (Chiroptera: Emballonuridae). Kimberley Exp.; 10.ix.1976; Mount Hart, WA; 16°55'S, 125°05'E.

Ornithonyssus taphozous Micherdzinski and Domrow, 1985; *Int. J. Acarol.* 11 (3): 195. Holotype, ♀, WAM 85/1847. From *Taphozous georgianus* Thomas, 1915 (Chiroptera: Emballonuridae). Kimberley Exp.; 31.x.1976; Brooking Springs, WA; 18°07'S, 125°39'E.

Trichonyssus lukoschusi Micherdzinski and Domrow, 1985; *Int. J. Acarol.* 11 (2): 63. Holotype, ♂, WAM 85/1851. From *Eptesicus douglasi* Kitchener, 1976 (Chiroptera: Vespertilionidae). Kimberley Exp.; 5.x.1976; Geikie Gorge, WA; 18°05'S, 125°43'E.

Trichonyssus nixonii Micherdzinski and Domrow, 1985; *Int. J. Acarol.* 11 (2): 56. Holotype, ♂, WAM 85/1873. From *Chalinolobus nigrogriseus rogersi* Thomas, 1909 (Chiroptera: Vespertilionidae). Kimberley Exp.; 20.ix.1976; Beverley Springs, WA; 16°35'S, 125°29'E.

Trichonyssus streetorum Micherdzinski and Domrow, 1985; *Int. J. Acarol.* 11 (2): 55. Holotype, ♂, WAM 85/1901. From *Chaerephon jobensis* (Miller, 1902) (Chiroptera: Molossidae). Kimberley Exp.; 10.ix.1976; Mount Hart, WA; 16°55'S, 125°05'E.

Holotypes of the Acari

Family Rhinonyssidae

Ptilonyssus condylocoxa Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 11. Holotype, ♀, WAM 79/918. From *Ramsayornis fasciatus* (Gould, 1843) (Passeriformes: Meliphagidae). Kimberley Exp.; 23.ix.1976; Beverley Springs, WA; 16° 35'S, 125° 29'E.

Ptilonyssus conopophilae Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 13. Holotype, ♀, WAM 79/920. From *Grantiella picta* (Gould, 1838) (Passeriformes: Meliphagidae). Kimberley Exp.; 3.ix.1976; Napier Downs, WA; 17° 15'S, 124° 44'E.

Ptilonyssus pentagonicus Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 18. Holotype, ♀, WAM 79/922. From *Manorina flavigula* (Gould, 1840) (Passeriformes: Meliphagidae). Kimberley Exp.; 10.ix.1976; Mount Hart, WA; 16° 55'S, 125° 05'E.

Ptilonyssus pseudothymanzae Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 15. Holotype, ♀, WAM 79/921. From *Meliphaga flavescens* (Gould, 1839) (Passeriformes: Meliphagidae). Kimberley Exp.; 17.ix.1976; Beverley Springs, WA; 16° 35'S, 125° 29'E.

Order Prostigmata
Family Cheyletidae

Orinchocheyletia [= *Ornithocleyletia*] *lichmerae* Smiley, 1984; *Int. J. Acarol.* 10 (4): 239. Holotype, ♀, WAM 83/322. From *Lichmera indistincta* (Vigors and Horsfield, 1827) (Passeriformes: Meliphagidae). Kimberley Exp.; 24.viii.1976; Beagle Bay, WA; 16° 59'S, 122° 40'E.

Ornithocheyletia lonchurae Smiley, 1984; *Int. J. Acarol.* 10 (4): 240. Holotype, ♀, WAM 83/323. From *Lonchura castaneothorax* (Gould, 1837) (Passeriformes: Ploceidae). Kimberley Exp.; 13.ix.1976; Mount Hart, WA; 16° 55'S, 125° 05'E.

Family Demodicidae

Demodex bicaudatus Kniest and Lukoschus, 1981; *Rec. West. Aust. Mus.* 9 (2): 111. Holotype, ♂, WAM 80/311. From *Macroglossus minimus* (Geoffroy, 1810) (Chiroptera: Pteropodidae). Kimberley Exp.; 19.x.1976; Mitchell Plateau, WA; 14° 53'S, 125° 45'E.

Demodex macroglossi Desch, 1981; *Rec. West. Aust. Mus.* 9 (1): 41. Holotype, ♂, WAM 80/743. From *Macroglossus minimus* (Geoffroy, 1810) (Chiroptera: Pteropodidae). Kimberley Exp.; 19.x.1976; Mitchell Plateau, WA; 14° 53'S, 125° 45'E.

Ophthalmodex australiensis Woeltjes and Lukoschus, 1981; *Rec. West. Aust. Mus.* 9 (3): 308. Holotype, ♂, WAM 80/320. From *Rhinonycteris aurantius* (Gray, 1845) (Chiroptera: Hipposideridae). Kimberley Exp.; 9.x.1976; Geikie Gorge, WA; 18°05'S, 125°43'E.

Ophthalmodex wilsoni Woeltjes and Lukoschus, 1981; *Rec. West. Aust. Mus.* 9 (3): 311. Holotype, ♀, WAM 80/316. From *Eptesicus pumilus* (Gray, 1841) (Chiroptera: Vespertilionidae). Kimberley Exp.; 9.x.1976; Geikie Gorge, WA; 18°05'S, 125°43'E.

Family Erynetidae

Boydaia (Boydaia) podargi Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 21. Holotype, ♀, WAM 79/928. From *Podargus strigoides* (Latham, 1801) (Caprimulgiformes: Caprimulgidae). Kimberley Exp.; 24.viii.1976; Beagle Bay, WA; 16°59'S, 122°40'E.

Neospeleognathopsis (Pteropignathus) pteropus Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 58. Holotype, ♀, WAM 79/1070. From *Pteropus scapulatus* Peters, 1862 (Chiroptera: Pteropodidae). Kimberley Exp.; 7.x.1976; Brooking Springs, WA; 18°07'S, 125°39'E.

Family Myobiidae

Acanthophtirius (Acanthophtirius) acinipus Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 66. Holotype, ♂, WAM 79/932. From *Scotorepens greyii* (Gray, 1843 [not 1858]) (Chiroptera: Vespertilionidae). Kimberley Exp.; 23.ix.1976; Beverley Springs, WA; 16°35'S, 125°29'E.

Acanthophtirius (Acanthophtirius) intercalatus Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 67. Holotype, ♂, WAM 79/938. From *Nyctophilus arnhemensis* Johnson, 1959 (Chiroptera: Vespertilionidae). Kimberley Exp.; 19.ix.1976; Beverley Springs, WA; 16°35'S, 125°29'E.

Acanthophtirius (Myotimyobia) alatus Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 69. Holotype, ♂, WAM 79/942. From *Eptesicus douglasi* Kitchener, 1976 (Chiroptera: Vespertilionidae). Kimberley Exp.; 4.x.1976; Geikie Gorge, WA; 18°05'S, 125°43'E.

Australomyobia dasycercus antechinus Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 293. Holotype, ♀, WAM 79/1018. From *Antechinus bilarni* Johnson, 1964 (Marsupialia: Dasyuridae). Kimberley Exp.; 20.ix.1976; Beverley Springs, WA; 16°35'S, 125°29'E.

- Australomyobia dasyurus* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 296. Holotype, tritonymph, WAM 79/1026. From *Dasyurus hallucatus* Gould, 1842 (Marsupialia: Dasyuridae). Kimberley Exp.; 20.x.1976; Mitchell Plateau, WA; 14° 53'S, 125° 45'E.
- Australomyobia phascogale* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 290. Holotype, ♀, WAM 79/1012. From *Phascogale calura* Gould, 1844 (Marsupialia: Dasyuridae). D.G. Bathgate, 16.xii.1960; Lake Grace, WA; 33° 06'S, 118° 28'E.
- Binuncus fortis* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 80. Holotype, ♂, WAM 79/1002. From *Pteropus scapulatus* Peters, 1862 (Chiroptera: Pteropodidae). Kimberley Exp.; 1.x.1976; Brooking Springs, WA; 18° 07'S, 125° 39'E.
- Ewingana (Ewingana) bispinosa longispina* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 74. Holotype, ♂, WAM 79/951. From *Chaerephon jobensis* (Miller, 1902) (Chiroptera: Molossidae). Kimberley Exp.; 13.ix.1976; Mount Hart, WA; 16° 55'S, 125° 05'E.
- Hipposiderobia belli* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 73. Holotype, ♀, WAM 79/950. From *Rhinonycteris aurantius* Gray, 1845 (Chiroptera: Hipposideridae). Kimberley Exp.; 8.x.1976; Geikie Gorge, WA; 18° 05'S, 125° 43'E.
- Pteracarus microdorsalis* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 78. Holotype, ♀, WAM 79/980. From *Nyctophilus* sp. (Chiroptera: Vespertilionidae). Kimberley Exp.; 20.ix.1976; Beverley Springs, WA; 16° 35'S, 125° 29'E.
- Pteropimyobia pahangensis quinquedens* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 79. Holotype, ♀, WAM 79/983. From *Macroglossus minimus* (Geoffroy, 1810) (Chiroptera: Pteropodidae). Kimberley Exp.; 19.x.1976; Mitchell Plateau, WA; 14° 53'S, 125° 45'E.
- Radfordia (Radfordia) australiana* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 313. Holotype, ♀, WAM 79/1040. From *Rattus tunneyi* Thomas, 1904 (Rodentia: Muridae). Kimberley Exp.; 10.ix.1976; Mount Hart, WA; 16° 55'S, 125° 05'E.
- Radfordia (Syconycterobia) latior* Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 310. Holotype, ♀, WAM 79/1063. From *Conilurus penicillatus* (Gould, 1842) (Rodentia: Muridae). Kimberley Exp.; 31.x.1976; Port Warrender, WA; 14° 30'S, 125° 50'E.

Radfordia (Syconycterobia) mastacomys Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 304. Holotype, ♂, WAM 79/1046. From *Mastacomys fuscus* Thomas, 1882 (Rodentia: Muridae). D. Wimbush, 11.ii.1958; Whites River (Munyang River), NSW; 36° 19'S, 148° 24'E.

Radfordia (Syconycterobia) notomys Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 306. Holotype, ♀, WAM 79/1048. From *Notomys* sp. (Rodentia: Muridae). R.B. Humphries; 13.v.1965; Kalbarri, WA; 27° 42'S, 114° 12'E.

Radfordia (Syconycterobia) vesca Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 312. Holotype, ♀, WAM 79/1064. From *Pseudomys nanus* (Gould, 1858) (Rodentia: Muridae). Kimberley Exp.; 20.x.1976; Mitchell Plateau, WA; 14° 53'S, 125° 45'E.

Radfordia (Syconycterobia) zyzomys Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (3): 308. Holotype, ♀, WAM 79/1054. From *Zyzomys argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 30.viii.1976; Napier Downs, WA; 17° 15'S, 124° 44'E.

Ugandobia australiensis Fain and Lukoschus, 1979; *Rec. West. Aust. Mus.* 7 (1): 75. Holotype, ♂, WAM 79/961. From *Saccolaimus flaviventris* Peters, 1867 (Chiroptera: Emballonuridae). Kimberley Exp.; 18.ix.1976; Beverley Springs, WA; 16° 35'S, 125° 29'E.

Family Psorergatidae

Psorergatoides australiensis Giesen, Lukoschus and Fain, 1982; *Rec. West. Aust. Mus.* 9 (4): 316. Holotype, ♀, WAM 81/570. From *Eptesicus pumilus* (Gray, 1841) (Chiroptera: Vespertilionidae). Kimberley Exp.; 23.x.1976; Mitchell Plateau, WA; 14° 53'S, 124° 45'E. [The discrepant data given by Giesen, Lukoschus and Fain (1982) are incorrect — Lukoschus, pers. comm.].

Family Trombiculidae

Ascoschoengastia deficiens Lester, 1984; *Proc. Linn. Soc. NSW* 107 (4): 493. Holotype, larva, WAM 84/877. From *Dasyurus hallucatus* Gould, 1842 (Marsupialia: Dasyuridae). P.J.A. Presidente; 18.vii.1982; Mitchell Plateau, WA; 14° 53'S, 125° 45'E.

Ascoschoengastia setosa Goff, 1979; *Rec. West. Aust. Mus.* 8 (1): 86. Holotype, larva, WAM 79/1577. From *Zyzomys argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 30.ix.1976; Brooking Springs, WA; 18° 07'S, 125° 39'E.

- Chiroptella (Neosomia) geikiensis* Goff, 1979; *Rec. West. Aust. Mus.* 8 (1): 93. Holotype, larva, WAM 79/1578. From *Rhinonycteris aurantius* (Gray, 1845) (Chiroptera: Hipposideridae). Kimberley Exp.; 8.x.1976; Geikie Gorge, WA; 18°05'S, 125°43'E.
- Cotrombicula lukoschusi* Goff, 1983; *Int. J. Ent.* 25 (1): 71. Holotype, larva, WAM 83/567. From *Taphozous georgianus* Thomas, 1915 (Chiroptera: Emballonuridae). Kimberley Exp.; 2.ix.1976; Napier Downs, WA; 17°15'S, 124°44'E.
- Cotrombicula mitchellensis* Goff, 1983; *J. med. Ent.* 20 (2): 134. Holotype, larva, WAM 83/570. From *Taphozous georgianus* Thomas, 1915 (Chiroptera: Emballonuridae). Kimberley Exp.; 23.x.1976; Mitchell Plateau, WA; 14°53'S, 125°45'E.
- Cotrombicula rugosa* Goff, 1979; *Rec. West. Aust. Mus.* 8 (1): 89. Holotype, larva, WAM 79/1579. From *Zyzomys argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 31.x.1976; Port Warrender, WA; 14°30'S, 125°50'E.
- Guntheria kethleyi* Goff, 1979; *Rec. West. Aust. Mus.* 8 (1): 88. Holotype, larva, WAM 79/1580. From *Zyzomys argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 31.viii.1976; Napier Downs, WA; 17°15'S, 124°44'E.
- Guntheria platalea* Domrow, 1984; *J. Aust. ent. Soc.* 23 (3): 214. Holotype, larva, WAM 84/874. From *Rattus fuscipes fuscipes* (Waterhouse, 1839) (Rodentia: Muridae). W. Gibb; 16.viii.1979; Pemberton, WA; 34°27'S, 116°02'E.
- Guntheria weedunnarti* Goff, 1980; *J. med. Ent.* 17 (5): 478. Holotype, larva, WAM 80/430. From *Sminthopsis leucopus* (Gray, 1842) (Marsupialia: Dasyuridae). P.A. Woolley; 5.xii.1974; Western Port, Vic.; 38°26'S, 145°08'E.
- Schoengastia gutekunsti* Goff, 1981; *Rec. West. Aust. Mus.* 8 (4): 585. Holotype, larva, WAM 80/213. From *Ctenotus inornatus* (Gray, 1845) (Squamata: Scincidae). Kimberley Exp.; 10.ix.1976; Mount Hart, WA; 16°55'S, 125°05'E.
- Schoutedenichia empusa* Domrow, 1984; *J. Aust. ent. Soc.* 23 (3): 218. Holotype, larva, WAM 84/875. From *Zyzomys woodwardi* (Thomas, 1909) (Rodentia: Muridae). P.J.A. Presidente; 22.vii.1982; Mitchell Plateau, WA; 14°53'S, 125°45'E.
- Schoutedenichia mimema* Domrow, 1984; *J. Aust. ent. Soc.* 23 (3): 219. Holotype, larva, WAM 84/876. From *Zyzomys woodwardi* (Thomas, 1909) (Rodentia: Muridae). P.J.A. Presidente; 22.vii.1982; Mitchell Plateau, WA; 14°53'S, 125°45'E.

Zyzygiacarus arguri Goff, 1979; *Rec. West. Aust. Mus.* 8 (1): 82. Holotype, larva, WAM 79/1581. From *Zyzygius argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 31.viii.1976; Napier Downs, WA; 17° 15' S, 124° 44' E.

Zyzygiacarus napierensis Goff, 1979; *Rec. West. Aust. Mus.* 8 (1): 84. Holotype, larva, WAM 79/1582. From *Zyzygius argurus* (Thomas, 1889) (Rodentia: Muridae). Kimberley Exp.; 31.viii.1976; Napier Downs, WA; 17° 15' S, 124° 44' E.