

## A checklist of Fiji Auchenorrhyncha (Hemiptera)

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**Abstract.** The Auchenorrhyncha (Hemiptera) species (leafhoppers, planthoppers, cicadas, and spittlebugs) found in Fiji are tabulated from literature records. A total of 299 species are known, mostly from the island of Viti Levu; other large islands are under-recorded and many new records are to be expected. The taxonomic composition and island distributions are given and discussed.

### INTRODUCTION

The Auchenorrhyncha (Hemiptera) species (leafhoppers, planthoppers, cicadas, and spittlebugs) are well represented in the Fiji islands with a total of 299 species currently known. Most are recorded from the island of Viti Levu, other large islands are under-recorded and many new records are to be expected.

Arguably the first significant collecting of the Auchenorrhyncha in Fiji was made by Frederick Muir who visited Viti Levu in connection with his studies on sugarcane-associated species. Many early records resulted from his samples. Later extensive collections were made by the Bishop Museum (including visits by various well-known collectors such as N.L.H. Krauss and E.C. Zimmerman from the period 1924 to 1941). The recent sampling by the Fiji Arthropod Survey over the archipelago is likely to greatly expand our knowledge of the Auchenorrhyncha fauna, especially given the paucity of records from islands such as Vanua Levu.

For this checklist all the available literature has been reviewed and the species recorded in Fiji have been tabulated (Appendix 1). Species names have been updated where appropriate. An earlier version of the list (Wilson & Evenhuis 2007) was published as part of the series of ‘Checklists of the Terrestrial Arthropods of Fiji’ series. In this current list, island distributions have also been added as far as possible. Table 1 provides the numbers of species from each island group. Most are island endemics and currently few are known from more than one island group.

### **Fulgoromorpha**

The Fulgoromorpha (planthopper) families were reviewed by Fennah (1950), based on the extensive collections of the Bishop Museum from 1924 to 1941. Fennah recognised 52 genera and 177 species from Fiji and described 98 species. He noted 14 genera as being confined to Fiji, the remainder being also found in Samoa, Philippines, Indonesia, and Australia. It is quite likely, however, that some generic concepts may now be differently applied.

**Table 1.** Taxonomic composition of the Auchenorrhyncha fauna of Fiji and numbers of each family in each island group. F = unknown locality in Fiji; V = Viti Levu; v = Vanua Levu; K Kadavu; T = Taveuni; O = Ovalau; L = Lau group; R = Rotuma.

Family	No. species (no. endemic) % endemic	F	V	v	K	T	O	L	R	No. multi-island species
<b>Fulgoromorpha</b>										
Cixiidae	26(24) 92%		21(20)		1		4	6	1	6
Delphacidae	33(11) 33%	2	21(4)	3	2		9	11	2	12
Meenoplidae	5 (3) 60%		5							-
Derbidae	48(47) 96%	1	40(38)	2	2		8	7	1	7
Achilidae	9(9) 100%		9				1			1
Tropiduchidae	17(16) 95%		6				3	9		2
Lophopidae	1(0)		1	1						1
Dictyopharidae	1 (1) 100%		1							
Issidae	1(1) 100%		1							1
Nogodimidae	14 (14) 100%		3		1		2	7	1	1
Ricanidae	37(37) 100%		5		2		4	27		1
Flatidae	1						1			-
Total no.	193(152) 79%		111	6	8		33	67	5	37
<b>Cicadomorpha</b>										
Cicadoidea	20(20) 100%		12	5	1	4	3	1	1	4
Cercopidae	1(1) 100%		1							-
Aphrophoridae	12		9	3	1					1
Cicadellidae	73(46) 62%	8	62(43)	9(4)	3(1)	1(0)	11(5)	13(5)		-
Total no.	106									
Totals	299	11	200	21	13	6	47	81	6	52

**Table 2:** Numbers of species on each island group and proportion of endemic species.

Island (or island group)	No of species/ endemic	% endemic
Viti Levu	200 (153)	76
Vanua Levu	16 (14)	87
Kaduvu	13 (9)	75
Taveuni	6 (5)	83
Ovalua	46 (37)	80
Lau group	81 (69)	85
Rotuma	6 (5)	83

Fennah also noted that the species appeared largely endemic to Fiji. However, most Delphacidae species are found more widely in the Pacific and beyond, with the notable exceptions of the tribe Ugyopini, whose members are all endemic. The locality records given in Appendix 1 come from Fennah (1950). The collections studied by him included almost nothing from large islands such as Vanua Levu and Taveuni so it is certain that new records and species will be added from these and other localities in the island group.

The number of families of planthoppers represented in the Fijian islands is rather high, with 13 from the 21 recognised families worldwide. Many species of Issidae, as recognised by Fennah, have recently been reassigned to the Nogodinidae (Gnezdilov, 2007). There are, however, some interesting families lacking in Fiji from those present in New Guinea, Indonesia, and SE Asia. There are no Eurybrachidae or Fulgoridae, although all of these are represented by a diversity of genera in New Guinea, Australia, and SE Asia. Only one species of the family Flatidae is known and one new species of Dictyopharidae was found in Viti Levu by me in April 2007 and seems to represent the first record of this family from the islands (Emeljanov & Wilson, in prep.).

The Fulgoromorpha families are likely to offer much scope for biogeographical analysis in the region but much more basic taxonomic research has to be conducted first. One exception is the Lophopidae where biogeographical patterns have been analysed (Soulier-Perkins, 2000). The *Makota* group (five genera) all show evidence of endemicity to islands in the southwest Pacific. The only lophopid genus known from Fiji is *Buxtoniella* (recorded on Viti Levu and Vanua Levu as well as in Samoa).

### Cicadomorpha

The major families of the Cicadomorpha, Cicadidae (cicadas), Cercopidae (spittlebugs), Aphrophoridae (spittlebugs), and Cicadellidae (leafhoppers), are all represented in Fiji. The absence of the Membracidae (treehoppers) is somewhat surprising but many species are rather limited in their distribution. The Cicadidae are the best known of all Auchenorrhyncha groups in Fiji [following work by Duffels (1988)] and more widely in the Pacific [reviewed by de Boer & Duffels (1997)].

### Cicadidae

The Indo-Pacific cicada fauna is a composite of the Oriental and Australian fauna (de Boer & Duffels, 1996; who have provided a thorough analysis of the Indo-Pacific cicadas). All cicada species in Fiji are endemic (Duffels, 1988) with some island subspecies. The Fiji islands as a whole may be regarded as an area of endemism, with the genus *Aceropyga* endemic to the islands (de Boer & Duffels, 1996). They argue that the present genera have evolved on isolated island arc fragments.

### Cicadellidae

Knowledge of the cicadellid (leafhopper) fauna comes largely from the revision by Linnavuori (1960) which, like the study by Fennah (1950), was largely based on specimens from the Bishop Museum. Like Fennah's, his conclusions were tentative since intensive collecting had not at that time been carried out on most islands— the majority of species were only known from Viti Levu. He found that 75% of the species were endemic with around 10% common cosmopolitan species. The remainder seemed to be species also occurring in Samoa and in Micronesia. He concluded that as far as cicadellids were concerned the fauna of Micronesia was of Oriental Region origin and Fiji also derived its fauna from this region.

### Cercopidae

Despite the family being very well represented in the Oriental Region, only one species of cercopid, *Nesaphrogeneia vitiensis* Kirkaldy, is known from Fiji. However, populations of this taxon from different islands appear to be distinctly different morphologically and may represent new species (M.R. Wilson, unpubl.).

### Aphrophoridae

The Aphrophoridae (Cercopoidea) of the western Pacific islands, from the Solomons to Polynesia have been covered in a series of studies by Hamilton: Polynesia, (Hamilton, 1980a); Solomon Islands (Hamilton, 1980b), New Caledonia and Loyalty Islands (Hamilton, 1981a) and Fiji, New Hebrides (now Vanuatu) and Banks Islands (Hamilton, 1981b). While the spittlebug fauna of the Solomon Islands form a link between New Guinea and the faunas of Polynesia, there exists a range of endemic genera and species that have dispersed eastwards in the island chain. Only one genus, *Nesaphrestes*, is recognised in Fiji with 12 endemic species, 9 of which are found on Viti Levu. However, the genus is also found in Vanuatu, where 5 species are recognised. Hamilton (1981b) provided a key to the Fiji species based largely on external coloration, lengths and proportions. While he briefly described the aedeagal structure in most species, he unfortunately gave no illustrations in these papers.

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Taxon	E	N	F	V	v	K	T	O	L	R
<b>Cixiidae (cont'd)</b>										
<i>Dysthaetias clymene</i> Fennah 1950: 30	E									R
<i>Dysthaetias ensicauda</i> Fennah 1950: 27	E								L	
<i>Dysthaetias fuscata</i> Kirkaldy 1907: 114	E			V					L	
<i>Dysthaetias lacon</i> Fennah 1950: 28	E			V					L	
<i>Dystheantias aeneas</i> Fennah 1950: 25	E			V						
<i>Dystheantias beecheyi</i> Kirkaldy 1907: 113	E			V						
<i>Dystheantias nigricosta</i> Fennah 1950: 26	E			V						
<i>Dystheantias smaragdus</i> Fennah 1950: 26	E			V						
<i>Dystheantias vitiensis</i> (Kirkaldy) 1907: 114	E			V				O		
<i>Epaustraloma simois</i> Fennah 1950: 17	E			V						
<i>Myndus antenor</i> Fennah 1950: 23	E			V						
<i>Myndus personatus</i> Fennah 1950: 21	E			V				O		
<i>Myndus pica</i> Fennah 1950: 22	E			V						
<i>Myndus ulysses</i> Fennah 1950: 23	E			V						
<i>Myndus vitiensis</i> Kirkaldy 1907: 111	E			V						
<i>Myndus xanthus</i> Fennah 1950: 20	E			V						
<i>Nesochlamys kalypso</i> (Kirkaldy) 1907: 111										
= <i>Nesochlamys vitiensis</i> Kirkaldy 1907: 115				V				O	L	
<i>Nesochlamys kalypso insulicola</i> Fennah 1950: 31									L	
<i>Oliarus (Nesopompe) felis</i> Kirkaldy 1907: 107	E					K				
<i>Oliarus laertes</i> Kirkaldy 1906: 398	N			V						
<i>Oliarus lubra vitiensis</i> Kirkaldy 1907: 109	E			V						
<i>Oliarus tasmani</i> Kirkaldy 1907: 108	N			V						
<i>Oliarus saccharicola</i> Kirkaldy 1907: 109				V						
<i>Urvillea melanesica</i> Kirkaldy 1907: 110	E			V						
<b>Delphacidae</b>										
<i>Cemus sauteri</i> (Muir) 1917: 320	N			V	v					
<i>Opiconsiva dilpa</i> (Kirkaldy) 1907: 162	N*			V						
<i>Coronacella sinhalana</i> (Kirkaldy) 1906: 156										
= <i>Coronocella puella</i> (Kirkaldy) 1907: 160	N	F								
<i>Euidellana ucalegon</i> (Fennah) 1950: 43	N			V						
<i>Cemus granulinervis</i> (Stål) 1854: 246										
= <i>Dicranotropis koebelei</i> Kirkaldy 1907: 134										
(renamed <i>Cemus kirkaldyi</i> Metcalf 1943: 148)	N			V						
<i>Phacalastor pseudomaidis</i> (Kirkaldy) 1906: 408	N			V						
<i>Horcoma colorata lacteipennis</i> (Muir) 1917: 337	N	F								
<i>Latistria eupompe</i> (Kirkaldy) 1907: 162										
= <i>Delphax ochrias</i> Kirkaldy 1907: 157	N			V		K				
<i>Melanesia pacifica</i> Kirkaldy 1907: 129										
= <i>Melanesia pacifica strigata</i> Kirkaldy 1907: 129	N			V	v			O		
<i>Nilaparvata lugens</i> (Stål) 1854: 11										
= <i>Dicranotropis anderida</i> Kirkaldy 1907: 133	N*			V						
<i>Nycheuma cognata</i> (Muir) 1917: 317	N			V						
<i>Peregrinus maidis</i> (Ashmead) 1890: 323**	N*			V				O		
<i>Perkinsiella vitiensis</i> Kirkaldy 1906: 406	E			V		K			L	
<i>Perkinsiella saccharicida</i> Kirkaldy 1903: 179	N			V						
<i>Sardia rostrata</i> (Kirkaldy) 1906: 410										
= <i>Hadedodelphax pluto</i> var. <i>pallidior</i> Kirkaldy 1907: 140	N*								L	
<i>Opicosiva paludum</i> Kirkaldy 1910: 579	N								L	
<i>Sogatella furcifera</i> (Horvath) 1899: 372	N*			V	v			O		
<i>Sogatella kolophon</i> (Kirkaldy) 1907: 157	N*			V						
" <i>Stenocranus</i> " <i>pacificus</i> Kirkaldy, 1907: 139	N			V						
<i>Syndelphax disonymos</i> (Kirkaldy) 1907: 156										
= <i>Syndelphax matanitu</i> Kirkaldy 1907: 155	N*			V					L	
<i>Tarophagus proserpina</i> (Kirkaldy) 1907: 147	N*							O		
<i>Toya dryope</i> (Kirkaldy) 1907: 152	N*			V						

Taxon	E/N	F	V	v	K	T	O	L	R
<b>Delphacidae (cont'd)</b>									
<i>Toya lazulis</i> (Kirkaldy) 1907: 155	N		V						
<i>Ugyopana cassia</i> Fennah 1950: 41	E		V						
<i>Ugyops astrolabei</i> Fennah 1950: 37	E							L	
<i>Ugyops bianor</i> Fennah 1950: 39	E								R
<i>Ugyops demeter</i> Fennah 1950: 35	E		V				O	L	R
<i>Ugyops demeter</i> ssp. <i>angusticauda</i> Fennah 1950: 36	E						O	L	
<i>Ugyops demeter</i> ssp. <i>laticauda</i> Fennah 1950: 36	E						O	L	
<i>Ugyops laui</i> Fennah 1950: 37	E							L	
<i>Ugyops necopinus</i> Fennah 1950: 38	E							L	
<i>Ugyops vitiensis</i> Kirkaldy 1907: 127	E		V				O		
<i>Ugyops zimmermanni</i> Fennah 1950: 37	E						O	L	
<b>Lophopidae</b>									
<i>Buxtoniella hopkinsi</i> Muir 1927: 24	N		V**	v					
<b>Meenoplidae</b>									
<i>Nisia nervosa</i> (Motschulsky) 1863: 114									
= <i>Nisia atrovonosa</i> Lethierry 1888: 466	N		V						
<i>Nisia grandiceps</i> Kirkaldy 1906: 427									
= <i>Nisia atrovonosa leuana</i> Fennah 1950: 47	N		V						
<i>Siva cretacea</i> Fennah 1950: 47	E		V						
<i>Siva fuscomarginata</i> Fennah 1950: 47	E		V						
<i>Siva koebelei</i> Kirkaldy 1906: 428	E		V						
<b>Derbidae</b>									
<i>Flaccia bicornis</i> Fennah: 1950: 51	E							L	
<i>Flaccia imthurni</i> Kirkaldy 1907: 173	E		V						
<i>Flaccia oedicerus</i> Fennah 1950: 54	E		V						
<i>Flaccia pyrrhoneura</i> Fennah 1950: 52	E		V						
<i>Flaccia tumidifrons</i> Fennah 1950: 53	E		V				O		
<i>Harpanor fuligo</i> Fennah 1950: 59	E		V						
<i>Kamendaka nigrospersa</i> Fennah 1950: 60	E		V						
<i>Kamendaka rubrinervis</i> Fennah 1950: 60	E		V						
<i>Lamenia caliginea</i> (Stål) 1854: 246	E								R
<i>Levu halosydne</i> (Kirkaldy) 1907: 169	E		V						
<i>Levu vitiensis</i> Kirkaldy 1906: 434	N		V	v	K		O	L	
<i>Muiria stridula</i> Kirkaldy 1907: 175	E		V						
<i>Nesocore candida</i> Fennah 1950: 65	E		V						
<i>Nesocore clitoria</i> Fennah 1950: 63	E		V						
<i>Nesocore coccinea</i> Muir 1913: 51	E		V						
<i>Nesocore crocea</i> Muir 1913: 66	E			v					
<i>Nesocore elutriata</i> Fennah 1950: 66	E		V						
<i>Nesocore fidicina</i> Kirkaldy 1907: 172	E		V						
<i>Nesocore nivea</i> Fennah 1950: 65	E		V						
<i>Nesocore purpurigena</i> Fennah 1950: 67	E		V						
<i>Nesocore pygmaea</i> Fennah 1950: 64	E		V						
<i>Nesocore subfulva</i> Fennah 1950: 63	E							L	
<i>Nesoniphys insignissima</i> Kirkaldy 1907: 175	E		V						
<i>Niphaphodite insulicola</i> Kirkaldy 1907: 170	E		V						
<i>Paralyricen astyanax</i> Fennah 1950: 55	E							L	
<i>Paralyricen knowlesi</i> Muir 1913: 53	E		V						
<i>Paralyricen similis</i> Fennah 1950: 58	E		V				O		
<i>Paralyricen sphaeromma</i> Fennah 1950: 56	E		V						
<i>Paralyricen vespillo</i> Fennah 1950: 57	E		V						
<i>Paralyricen jepsoni</i> Muir 1913: 53	E		V						
<i>Phaciocephalus marpsias</i> Fennah 1950: 72	E		V						
<i>Phaciocephalus miltodias</i> Kirkaldy 1907: 168	E		V				O		
<i>Phaciocephalus minyrias</i> Kirkaldy 1907: 168	E		V				O		

Taxon	E/N	F	V	v	K	T	O	L	R
<b>Derbidae (cont'd)</b>									
<i>Phaciocephalus nesodreptias</i> Kirkaldy 1907: 167	E		V						
<i>Phaciocephalus nesogonias</i> Kirkaldy 1907: 167	E						O		
<i>Phaciocephalus pembertoni</i> (Muir) 1922: 89	E		V						
<i>Phaciocephalus pullatus</i> Kirkaldy 1907: 168	E		V						
<i>Phaciocephalus troas</i> Fennah 1950: 71	E		V						
<i>Phaciocephalus vitiensis</i> Kirkaldy 1906: 428	E		V						
<i>Pyrrhoneura charonea</i> Fennah 1950: 61	E								L
<i>Pyrrhoneura citharista</i> Kirkaldy 1907: 171	E		V						
<i>Pyrrhoneura rubida</i> Muir 1913: 45	E	F							
<i>Pyrrhoneura poecila</i> Fennah 1950: 62	E						O		
<i>Pyrrhoneura saccharicida</i> Kirkaldy 1906: 435	E		V		K				L
<i>Pyrrhoneura vitiensis</i> Kirkaldy 1907: 171	E		V						
<i>Sikaiana flammeivittata</i> Fennah 1950: 49	E		V						
<i>Sikaiana nesiope</i> Kirkaldy 1907: 178	E		V						
<i>Swezeyia lyricen</i> Kirkaldy 1906: 430									
= <i>Phantasmatoecera vitiensis</i> Kirkaldy 1906: 431	N		V				O		L
<b>Achilidae</b>									
<i>Callichlamys muiri</i> Kirkaldy 1907: 120	E		V						
<i>Callichlamys undulata</i> Kirkaldy 1907: 120	E		V						
<i>Callinesia ornata</i> Kirkaldy 1907: 118	E		V						
<i>Callinesia pulchra</i> Kirkaldy 1907: 118	E		V						
<i>Callinesia pusilla</i> Kirkaldy 1907: 119	E		V						
<i>Callinesia venusta</i> Kirkaldy 1907: 119	E		V						
<i>Eurynomus argo</i> Fennah 1950: 77	E		V						
<i>Nephelia bicuneata</i> (Kirkaldy) 1907: 117	E		V						
<i>Nephelia tristis</i> (Kirkaldy) 1907: 117	E		V				O		
<b>Tropiduchidae</b>									
<i>Kallitaxila</i> sp. See notes	N		V**						
<i>Macrovanua demissa</i> (Fennah) 1949: 165	E					T			L
<i>Rhinodictya cuneolus</i> Fennah 1950: 86	E								L
<i>Rhinodictya granulata</i> Muir 1931: 73	E		V						
<i>Rhinodictya paeminosa</i> Fennah 1950: 86	E		V						L
<i>Rhinodictya belone</i> Fennah 1950: 86	E								L
<i>Vanua deidamia</i> Fennah 1950: 83	E								L
<i>Vanua deiopieia</i> Fennah 1950: 82	E								L
<i>Vanua paphia bicuspidata</i> Fennah 1950: 82	E								
<i>Vanua paphia paphia</i> Fennah 1950: 81	E								L
<i>Vanua pleone</i> Fennah 1950: 84	E								L
<i>Vanua respicienda flagellata</i> Fennah 1950: 81	E						O		
<i>Vanua respicienda hastata</i> Fennah 1950: 81	E						O		
<i>Vanua respicienda serrata</i> Fennah 1950: 80	E		V						
<i>Vanua respicienda vitiensis</i> Kirkaldy 1906: 416	E		V				O		
<i>Vanua sambucina</i> Fennah 1950: 83	E		V						
<i>Vanua taygete</i> Fennah 1950: 85	E								L
<b>Dictyopharidae</b>									
<i>Anasta</i> n.sp (Emeljanov & Wilson in prep.)	E		V						
<b>Issidae</b>									
<i>Sarima erythrocyclus</i> Fennah 1950: 96	E		V				O		
<b>Nogodinidae</b>									
<i>Capelopterus betulus</i> Fennah 1950: 93	E								L
<i>Capelopterus dolabra</i> Fennah 1950: 90	E						O		
<i>Capelopterus lyco</i> Fennah 1950: 90	E								L
<i>Capelopterus phormio</i> Fennah 1950: 89	E		V						

Taxon	E/N	F	V	v	K	T	O	L	R
<b>Nogodiniidae (cont'd)</b>									
<i>Capelopterus ranula</i> Fennah 1950: 93	E							L	
<i>Capelopterus tanaquil</i> Fennah 1950: 91	E							L	
<i>Capelopterus vacuna</i> Fennah 1950: 92	E							L	
<i>Capelopterus zetes</i> Fennah 1950: 92	E							L	
<i>Lollius australicus</i> Stål 1870: 763									
= <i>Lollius furcifer</i> Stål 1870: 762 (see note)	N	F							
<i>Lollius pyrrhoceras</i> Fennah 1950: 96	E		V						
<i>Tylana (Atylana) carcinias</i> Fennah 1950: 94	E								R
<i>Tylana (Atylana) intrusa</i> Melichar 1906: 207	E				K			L	
<i>Tylana (Atylana) orientalis</i> Melichar 1906: 208	N						O		
<i>Tylana (Paratylana) piceus</i> Walker 1870: 123 (see notes)	N		V						
<b>Ricaniiidae</b>									
<i>Euricania camilla</i> Fennah 1950: 114	E				K			L	
<i>Euricania camilla kanduvuana</i> Fennah 1950: 114	E								
<i>Euricania cliduchus</i> Fennah 1950: 113	E							L	
<i>Euricania cyane</i> Fennah 1950: 113	E							L	
<i>Euricania dinon</i> Fennah 1950: 113	E						O		
<i>Euricania furina</i> Fennah 1950: 113	E							L	
<i>Euricania laetoria</i> Fennah 1950: 112	E							L	
<i>Euricania licinia</i> Fennah 1950: 112	E							L	
<i>Euricania moneta</i> Fennah 1950: 114	E							L	
<i>Euricania opora</i> Fennah 1950: 115	E							L	
<i>Euricania procilla</i> Fennah 1950: 112	E							L	
<i>Euricania progne</i> Fennah 1950: 114	E							L	
<i>Euricania sirenia</i> Fennah 1950: 115	E							L	
<i>Euricania sterope</i> Fennah 1950: 115	E							L	
<i>Euricania tristicula</i> (Stål) 1865: 163									
= <i>Euricania aperiens</i> Walker 1858: 103	E		V						
<i>Euricania tristicula</i> var <i>lapidaria</i> Melichar 1898: 394	E		V				O		
<i>Plestia andromeda</i> Fennah 1950: 107	E							L	
<i>Plestia antigone</i> Fennah 1950: 105	E							L	
<i>Plestia arethusa</i> Fennah 1950: 104	E							L	
<i>Plestia artemis</i> Fennah 1950: 100	E							L	
<i>Plestia calypso</i> Fennah 1950: 105	E						O		
<i>Plestia cassandra</i> Fennah 1950: 106	E				K				
<i>Plestia cassiopeia</i> Fennah 1950: 100	E						O		
<i>Plestia circe</i> Fennah 1950: 98	E		V						
<i>Plestia danae</i> Fennah 1950: 103	E							L	
<i>Plestia deiana</i> Fennah 1950: 103	E							L	
<i>Plestia eurydice</i> Fennah 1950: 107	E							L	
<i>Plestia galatea</i> Fennah 1950: 108	E		V					L	
<i>Plestia galatea levuana</i> Fennah 1950: 109	E		V					L	
<i>Plestia io</i> Fennah 1950: 101	E							L	
<i>Plestia iphigeneia</i> Fennah 1950: 104	E							L	
<i>Plestia marginata</i> (Montrouzier) 1861: 73	F								
<i>Plestia medusa</i> Fennah 1950: 102	E							L	
<i>Plestia naias</i> Fennah 1950: 100	E							L	
<i>Plestia neretis</i> Fennah 1950: 102	E							L	
<i>Plestia niobe</i> Fennah 1950: 109	E		V						
<i>Plestia scylla</i> Fennah 1950: 109	E						O		
<i>Plestia thetis</i> Fennah 1950: 101	E							L	
<i>Scolypopa australis</i> (Walker) 1851: 430 (see notes)	F								
<b>Flatidae</b>									
<i>Euphanta acuminata</i> Melichar 1902: 39 (see notes)	E						O		

Taxon	E	N	F	V	v	K	T	O	L	R
<b>Cicadellidae</b>										
<b>Agalliinae</b>										
<i>Austoagallia torrida</i> Evans 1935: 70										
= <i>Austoagallia lauensis</i> Linnavuori 1960b: 8	N								L	
<b>Penthimiinae</b>										
<i>Vulturinus dido</i> Linnavuori 1960b: 41	E			V						
<b>Selenocephalinae</b>										
<i>Hybrasil brani</i> Kirkaldy 1907: 41	E			V						
<i>Lamia cydippe</i> Linnavuori 1960b: 39	E			V						
<i>Parohinka lotophagorum</i> (Kirkaldy) 1907: 41	N			V						
<b>Xestocephalinae</b>										
<i>Xestocephalus contortuplicatus</i> Kirkaldy 1907: 52	E			V						
<i>Xestocephalus pallidiceps</i> Kirkaldy 1907: 51	E			V						
<i>Xestocephalus pallidiceps</i>										
var. <i>decemnotatus</i> Kirkaldy 1907: 52	E			V	v				L	
<i>Xestocephalus purpurascens</i> Kirkaldy 1907: 52	N			V						
<i>Xestocephalus purpurascens</i>										
var. <i>mendax</i> Linnavuori 1960b: 36	E			V						
<i>Xestocephalus purpurascens</i>										
var. <i>taeniatus</i> Linnavuori 1960b: 36	E			V						
<i>Xestocephalus tutuilanus</i> Osborn 1934: 172	N	F								
<i>Xestocephalus vitiensis</i> Kirkaldy 1907: 51	E			V				O		
<i>Xestocephalus vitiensis</i> var. <i>mancus</i> Linnavuori 1960b: 34	E			V						
<i>Xestocephalus vitiensis</i> var. <i>tricerus</i> Linnavuori 1960b: 33	E			V						
<b>Coelidinae</b>										
<i>Thagria fijiana</i> (Osborn) 1934: 182	E					K		O	L	
<i>Tharra hades</i> Linnavuori 1960b: 26	E			V						
<i>Tharra kalypso</i> Kirkaldy 1907: 76										
= <i>Tharra atriceps lauensis</i> Linnavuori 1960b: 28	E			V					L	
<i>Tharra kassiphone</i> Kirkaldy 1907: 77	E			V						
<i>Tharra kirkaldyi</i> (Linnavuori) 1960b: 31	E			V						
<i>Tharra lenta</i> Nielson 1975: 144	E				v					
<i>Tharra nausikaa</i> Kirkaldy 1907: 77										
= <i>Tharra nausikaa</i> var. <i>pallidor</i> Kirkaldy 1907: 78	E			V						
<i>Tharra nausikoides</i> Linnavuori 1960b: 27	E			V						
<i>Tharra ogygia</i> Kirkaldy 1907: 76										
= <i>Tharra atriceps</i> Linnavuori 1960b: 27	E			V						
<i>Tharra oxyomma</i> (Kirkaldy) 1907: 79	E			V						
<i>Tharra transversa</i> Nielson 1975: 146	E			V						
<i>Tharra vitiensis</i> Nielson 1975: 136	E			V						
<b>Idiocerinae</b>										
<i>Pedioscopus quadrimaculatus</i> Linnavuori 1960b: 11	E			V						
<i>Wiloatma tutuilanus</i> (Osborn) 1934: 170	N			V						
<b>Deltocephalinae: Macrostelini</b>										
<i>Balclutha incisa</i> (Matsumura) 1902: 360	N*			V	v	K		O	L	
<i>Balclutha lucida</i> (Butler) 1877: 91										
= <i>Balclutha filum</i> Linnavuori 1960a: 342	N*			V						
<i>Balclutha rosea</i> (Scott) 1876: 83										
= <i>Balclutha hebe</i> Kirkaldy 1906: 343	N*			V		K			L	
<i>Balclutha rubrostriata</i> (Melichar) 1903: 208	N*			V						
<i>Balclutha viridinervis</i> Matsumura 1914: 166										
= <i>Balclutha viridus</i> (Metcalf) 1946: 134										
= <i>Balclutha flexuosa</i> Linnavuori 1960a: 342				V						
<i>Cicadulina (Idyia) fijiensis</i> Linnavuori 1960b: 59	N			V					L	
<b>Deltocephalinae: Opsiini</b>										
<i>Hishimonus passiflorae</i> (Evans) 1941: 40	N			V						
<i>Litura discigutta</i> (Walker) 1857: 172	N	F								
<i>Navaia deiphobe</i> Linnavuori 1960b: 52	E			V						
<i>Navaia filicicola</i> (Kirkaldy) 1907: 63	E			V						

Taxon	E/N	F	V	v	K	T	O	L	R
<b>Cicadellidae (cont'd)</b>									
<i>Navaia hesperidum</i> Linnavuori 1960b: 55	E		V						
<i>Navaia nereis</i> Linnavuori 1960b: 54	E		V						
<i>Orosius argentatus</i> (Evans) 1938: 15									
= <i>Orosius cantonis</i> (Oman) 1943: 33	N	F							
<i>Orosius lotophagorum</i> (Kirkaldy) 1907: 62									
= <i>Orosius argentatus</i> var. <i>distans</i> Linnavuori 1960a: 322	N*		V				O	L	
<i>Satsumanus multispinosus</i> Linnavuori 1960b: 50	E		V						
<i>Satsumanus rubrinervis</i> Linnavuori 1960b: 51	E		V						
Deltocephalinae: Chiasmini									
<i>Exitianus capicola</i> (Stål) 1855: 99	N*		V	v					L
<i>Exitianus plebeius</i> (Kirkaldy) 1906: 331	N*		V	v			O		
Deltocephalinae: Deltocephalini									
<i>Deltocephalus samuelsoni</i> Knight 1976: 96	N	F							
<i>Recilia affinis</i> (Osborn) 1934: 180									
= <i>Recilia hospes</i> sensu Linnavuori 1960a: 306	N		V	v			O	L	
<i>Recilia coronifer</i> (Marshall) 1866: 222									
= <i>Recilia hospes</i> Kirkaldy 1904:177	N*	F							
<i>Recilia histrionicus</i> (Kirkaldy) 1907d: 57	E		V						
<i>Recilia pacificus</i> (Osborn) 1934: 179	N		V				O		
<i>Wakaya obtusiceps</i> Linnavuori 1960b: 43	E								L
lassinae									
<i>Batracomorphus angustatus</i> (Osborn) 1934: 166	N		V	v		T	O		
<i>Batracomorphus hamadryas</i> (Kirkaldy) 1907: 39	E		V				O	L	
Cicadellinae									
<i>Cofana spectra</i> (Distant) 1908: 211									
= <i>Tetigonia albida</i> Walker, misidentification (see notes)	N*		V						
Typhlocybinae									
<i>Dayus euryphaessus</i> (Kirkaldy) 1907: 68	E		V						
<i>Empoasca chloe</i> Linnavuori 1960b: 17	E		V				O	L	
<i>Empoasca euryphaessa</i> (Kirkaldy) 1907: 68	E		V						
<i>Empoasca euryphaessa rubricincta</i> Linnavuori 1960b: 18	E		V						
<i>Empoasca hyadas</i> (Kirkaldy) 1907: 68	E		V						
<i>Empoasca quadripunctata</i> Evans 1942: 49	N		V						
<i>Empoasca tavuaensis</i> Linnavuori 1960b: 14	E		V	v					
<i>Empoasca vitiensis</i> (Kirkaldy) 1906: 362	E		V						
<i>Empoasca vitiensis vinicolor</i> Linnavuori 1960b: 15	E		V						
<i>Jacobiella facialis</i> (Jacobi in Aulmann) 1912: 69 (see notes)		F							
<i>Erythroneura ariadne</i> Linnavuori 1960b: 22	E		V						
<i>Erythroneura doris</i> Kirkaldy 1907: 69	E		V						
<i>Erythroneura lalage</i> Kirkaldy 1907: 70	E		V						
<i>Erythroneura leverii</i> Evans 1948: 131	E		V	v			O	L	
<i>Erythroneura leverii</i> var. <i>kraussi</i> Linnavuori 1960b: 21	E		V						
<i>Erythroneura nayavua</i> Linnavuori 1960b: 21	E		V						
<i>Erythroneura nayavua</i> var. <i>revanoides</i> Linnavuori 1960b: 22	E		V						
<i>Erythroneura rewana</i> Kirkaldy 1907: 71	E		V						
<i>Tautoneura leucothoe</i> (Kirkaldy) 1907: 70	N		V						
<i>Edwardsiana flavescens</i> (Fabricius) 1794a: 46 (see notes)		F							

**Notes to checklist:**

## FULGOROMORPHA

**Lophopidae**

*Buxtoniella hopkinsi* Muir 1927: 24

*Buxtoniella hopkinsi* was identified in trap samples in March 2007 from Viti Levu (new record)

**Meenoplidae**

*Nisia nervosa* Motschulsky 1863

= *Nisia atrovenosa* Lethierry 1888: 466 (recorded by Kirkaldy 1906: 427)

**Nogodinidae**

*Lollius australicus* Stål 1870: 763

= *Lollius furcifer* Stål 1870: 762 [listed by Kirkaldy in Kirkaldy & Muir, 1913: 25].  
Recorded from Fiji but not listed by Fennah (1950).

*Tylana (Paratylana) piceus* Walker 1870: 123 noted by Melichar (1906) for Fiji. Fennah (1950: 3) regarded the record as erroneous.

**Ricaniidae**

*Euricania aperiens* Walker 1858: 103 (*Flatoides*)

Not listed by Fennah (1950). May be a synonym of *Euricania tristicula* (Stål) 1865: 163 (*Ricania*)

*Plestia marginata* Montrouzier 1861. cited by Melichar 1898, Kirkaldy 1907 from Fiji but not listed by Fennah 1950.

*Scolypopa australis* Walker 1851:430 cited by Kirkaldy 1906: 450. Fennah 1950: 3 regarded the record as erroneous.

**Flatidae**

*Euphanta acuminata* Melichar 1902:39 [cited in Kirkaldy 1906: 461].

Medler (1986) examined the female holotype of this species. He stated that it closely resembled *Euphanta munda* (Walker) (from Australia and New Guinea) but a male specimen would be needed to determine the status of the species. No further specimens have been found at present.

**Tropiduchidae**

*Kallitaxila* sp. was collected commonly in March 2007 in Viti Levu.

## CICADOMORPHA

**Cicadidae**

*Cyclochila australasiae* Donovan 1805 was listed by Kirkaldy 1907: 17 as doubtful for Fiji.

*Macrostristria angularis* Germar 1834 was listed by Kirkaldy 1907: 17 as doubtful for Fiji. This was also stated by Duffels (1988).

**Cicadellidae**

## Cicadellinae

*Cofana spectra* (Distant) 1908: 211

= *Cofana albida* Kirkaldy 1907: 85 not *albida* Distant; misdetermination

## Typhlocybinae

*Jacobiella facialis* (Jacobi) in Aulmann 1912b: 69 [African species - doubtful record]

*Edwardsiana flavescens* (Fabricius) 1794: 46 [Palaeartic species - doubtful record]

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