

A REVISED CHECKLIST OF AUSTRALIAN FRUIT FLIES (DIPTERA: TEPHRITIDAE)

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Abstract

A revised list and classification is provided for the 301 species of Tephritidae recorded from Australia. *Platensina ampla* de Meijere is newly recorded and *Scedella vaga* (Hardy & Drew, 1996) is placed as a new synonym of *S. infrequens* (Hardy & Drew, 1996).

Introduction

The dipteran family Tephritidae contains more than 300 species in Australia. The main taxonomic and faunistic works for the family are: Drew (1989) for tribe Dacini; Permkam and Hancock (1995a, b) for subfamilies Phytalmiinae, Trypetinae and Dacinae except Dacini; and Hardy and Drew (1996) for subfamily Tephritinae. Additional species were recorded or described by Hancock (1995, 1996) and Drew *et al.* (1999), while Hancock *et al.* (2000) provided a host plant listing for the 278 species then recorded.

Further investigation since the review by Hancock *et al.* (2000) has refined the classification and added further taxa to the Australian fauna. Tribe Callistomyiini was proposed by Hancock (2007b), tribe Phascini recorded by Hancock (2011) and subfamily Tachiniscinae recorded by Korneyev (2012). The presence of tribe Myopitini has been confirmed (Julien *et al.* 2012).

Ten names have been removed from the Hancock *et al.* (2000) list: one eradicated (*Bactrocera philippinensis* Drew & Hancock), one homonym (*Oedaspis serrata* Hardy & Drew), three junior synonyms (*Bactrocera neotigrina* Drew & Hancock, '*Campiglossa*' *turneri* Hardy & Drew and *Dacus concolor* Drew: see Drew and Hancock 2000, Hancock 2006, 2009a), one new synonym ('*Campiglossa*' *vaga* Hardy & Drew: see below) and four misidentifications (*Bactrocera pseudodistincta* (Drew), *Bactrocera redunca* (Drew), *Trupanea amoena* (Frauenfeld) and *Platensina amplipennis* (Walker): see Huxham and Hancock 2002, Hancock 2001, 2009b, 2012c).

Additions to the Hancock *et al.* (2000) list result from previous omissions, reinstated or replacement names, newly described species and newly recorded species. Six overlooked, reinstated or replacement names were noted by Drew and Hancock (2000), Hancock (2001), Huxham and Hancock (2002) and Julien *et al.* (2012). Eight new species were described by Hancock and Drew (2003c), Huxham *et al.* (2006), Royer and Hancock (2012) and Korneyev (2012). Sixteen newly recorded species were noted by Hancock (2001, 2006, 2012c), Huxham and Hancock (2002), Hancock and Drew (2003b, c), Huxham *et al.* (2006) and Julien *et al.* (2012). An additional new record is noted below. As a result, 290 described species (plus 11 apparently undescribed: Hardy and Drew 1996, Hancock 2012a, Royer and Hancock 2012) are now known from Australia. These are listed in Table 1.

Table 1. List of Australian Tephritidae. Distribution codes: W = Western Australia; N = Northern Territory; S = South Australia; Q = Queensland; E = New South Wales (including ACT); V = Victoria; T = Tasmania. Comments: * = deliberately introduced for weed biocontrol; D&H = Drew & Hancock; H&D = Hardy & Drew; R&H = Royer & Hancock; auct. = misidentified names used by various authors.

Recorded species	Distribn	Comments
Subfamily TACHINISCINAE		
Tribe Tachiniscini		
<i>Aliasutra australica</i> Korneyev	QE	
Subfamily PHYTALMIINAE		
Tribe Acanthonevrini		
<i>Acanthonevra</i> group (<i>Dacopsis</i> complex)		
<i>Austronevra australina</i> (Hendel)	Q	
<i>Austronevra bimaculata</i> Permkam & Hancock	Q	
<i>Austrorioxo acidimorpha</i> (Hendel)	QE	
<i>Copiolepis colpopteris</i> Permkam & Hancock	Q	
<i>Dacopsis flava</i> (Edwards)	Q	
<i>Dirioxa</i> group of genera		
<i>Dirioxa pornia</i> (Walker)	WSQE	= <i>confusa</i> Hardy
<i>Lumirioxa araucariae</i> (Tryon)	QE	
<i>Micronevrina apicalis</i> Permkam & Hancock	QE	
<i>Micronevrina breviseta</i> Permkam & Hancock	Q	
<i>Micronevrina gloriosa</i> Permkam & Hancock	Q	
<i>Micronevrina hyalina</i> Permkam & Hancock	QEV	
<i>Micronevrina mediivitta</i> Permkam & Hancock	QE	
<i>Micronevrina montana</i> Permkam & Hancock	QE	
<i>Micronevrina setosa</i> Permkam & Hancock	QE	
<i>Themaroides</i> group of genera		
(Clusiosoma subgroup)		
<i>Clusiosoma (Clusiosoma) laterale</i> (Walker)	Q	
<i>C. (C.) macalpinei</i> Permkam & Hancock	Q	
<i>Clusiosoma (C.) semifuscum</i> Malloch	NQ	
<i>Clusiosoma (Paraclusiosoma) papuaense</i> Hardy	Q	
<i>Clusiosomina puncticeps</i> Malloch	QE	
<i>Paedohexacinia clusiosomopsis</i> Hardy	Q	
<i>Paedohexacinia flavithorax</i> Hardy	Q	
<i>Rabaulia nigrotibia</i> Hering	Q	= <i>fascifacies</i> auct.
<i>Trypanocentra nigrithorax</i> Malloch	Q	
(Neothemara subgroup)		
<i>Neothemara formosipennis</i> (Walker)	Q	
<i>Pseudacanthoneura sexguttata</i> (de Meijere)	Q	

(Themaroides subgroup)

<i>Acanthonevroides basalis</i> (Walker)	S	= <i>bicolor</i> Macquart
<i>Acanthonevroides jarvisi</i> (Tryon)	Q	
<i>Acanthonevroides mayi</i> Permkam & Hancock	Q	
<i>Acanthonevroides nigriventris</i> (Malloch)	QEV	
<i>A. variegatus</i> Permkam & Hancock	WNQ	
<i>Aridonevra cunnamullae</i> Permkam & Hancock	Q	
<i>Taeniorioxa quinaria</i> Permkam & Hancock	Q	
<i>Termitoriox a bicalcarata</i> (Hering)	Q	
<i>Termitoriox a cobourgensis</i> Hancock	N	
<i>Termitoriox a exleyae</i> Permkam & Hancock	WNQ	
<i>Termitoriox a inconnexa</i> Permkam & Hancock	N	
<i>Termitoriox a laurae</i> Permkam & Hancock	WNQ	
<i>Termitoriox a termitoxena</i> (Bezzi)	WNQ	
<i>Termitoriox a testacea</i> (Hendel)	Q	

Tribe Phascini

<i>Epinettyra setosa</i> Permkam & Hancock	Q
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Tribe Phytalmiini

<i>Diplochorda australis</i> Permkam & Hancock	Q
<i>Phytalmia mouldsi</i> McAlpine & Schneider	Q

Subfamily TRYPETINAE**Tribe Acidoxanthini**

<i>Acidoxantha quinaria</i> Permkam & Hancock	W
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Tribe Adramini

<i>Adrama biseta</i> Malloch	NQ
<i>Adrama selecta</i> Walker	NQ
<i>Coelotrypes circumscriptus</i> (Hering)	NQ
<i>Euphranta athertoniana</i> Permkam & Hancock	Q
<i>Euphranta leichhardtiae</i> Permkam & Hancock	QE
<i>Euphranta lemniscata</i> (Enderlein)	Q
<i>Euphranta linocierae</i> Hardy	Q
<i>Euphranta marina</i> Permkam & Hancock	NQ
<i>Euphranta mediofusca</i> (Hering)	Q
<i>Euphranta meringae</i> Permkam & Hancock	Q
<i>Euphranta minor</i> Hendel	NQ
<i>Euphranta mulgravea</i> Permkam & Hancock	Q
<i>Euphranta numeralis</i> Permkam & Hancock	QE
<i>Euphranta ternaria</i> Permkam & Hancock	Q
<i>Euphranta variabilis</i> (Kertész)	Q
<i>Hardyadrama alyta</i> Permkam & Hancock	Q
<i>Hardyadrama excoecariae</i> Lee	WQ

<i>Hardyadrama magister</i> (Lee)	Q	
<i>Hardyadrama presignis</i> (Hardy)	Q	Torres Strait only
<i>Ichneumonosoma consors</i> (Walker)	Q	Torres Strait only
<i>Piestometopon distinctum</i> (Permkam & Hancock)	Q	
<i>Piestometopon luteiceps</i> de Meijere	Q	Torres Strait only
<i>Soita psiloides</i> Walker	Q	
Tribe Callistomyiini		
<i>Callistomyia horni</i> Hendel	WNQ	
Tribe Rivelliomimini		
<i>Ornithoschema oculatum</i> de Meijere	N	
<i>O. queenslandense</i> Permkam & Hancock	Q	
Tribe Trypetini		
<i>Aciuroopsis pusio</i> Hardy	Q	
<i>Calosphenisca unicuneata</i> (Hardy)	QE	
<i>Hemiristina pleomeles</i> Permkam & Hancock	NQ	
<i>Philophylla australina</i> (Hardy)	Q	
<i>Philophylla erebia</i> (Hering)	QE	
<i>Philophylla fossata</i> (Fabricius)	Q	
<i>Philophylla humeralis</i> (Hardy)	Q	
<i>Philophylla quadrata</i> (Malloch)	NQ	
<i>Vidalia dualis</i> Permkam & Hancock	Q	
Tribe Xarnutini		
<i>Xarnuta confusa</i> Malloch	Q	
<i>Xarnuta cribralis</i> Hering	Q	
Subfamily DACINAE		
Tribe Ceratitidini		
<i>Ceratitella amyemae</i> Permkam & Hancock	NQ	
<i>Ceratitella bifasciata</i> Hardy	Q	
<i>Ceratitella loranhi</i> (Froggatt)	WNSEV	
<i>Ceratitella recondita</i> Permkam & Hancock	QE	
<i>Ceratitella unifasciata</i> Hardy	QE	
<i>Ceratitis (Ceratitis) capitata</i> (Wiedemann)	W	Introduced
<i>Paraceratitella compta</i> Hardy	Q	
<i>Paraceratitella eurycephala</i> Hardy	WNQE	
<i>Paraceratitella oblonga</i> Hardy	Q	
Tribe Dacini		
<i>Bactrocera (Apodacus) cheesmanae</i> (Perkins)	Q	Torres Strait only
<i>Bactrocera (Apodacus) visenda</i> (Hardy)	Q	
<i>Bactrocera (Austrodacus) cucumis</i> (French)	NQE	
<i>Bactrocera (Bactrocera) abdorigella</i> (Drew)	Q	Torres Strait only
<i>Bactrocera (B.) abscondita</i> (Drew & Hancock)	Q	

<i>Bactrocera (B.) abundans</i> Drew	Q	Torres Strait only
<i>Bactrocera (B.) aeruginosa</i> (Drew & Hancock)	Q	
<i>Bactrocera (B.) allwoodi</i> (Drew)	N	
<i>Bactrocera (B.) alyxiae</i> (May)	Q	
<i>Bactrocera (B.) amplexiseta</i> (May)	Q	
<i>Bactrocera (B.) anfracta</i> Drew	Q	Torres Strait only
<i>Bactrocera (B.) antigone</i> (Drew & Hancock)	Q	
<i>Bactrocera (B.) aquilonis</i> (May)	WN	
<i>Bactrocera (B.) aurantiaca</i> (Drew & Hancock)	Q	
<i>Bactrocera (B.) bancroftii</i> (Tryon)	QE	
<i>Bactrocera (B.) barringtoniae</i> (Tryon)	Q	
<i>Bactrocera (B.) batemani</i> Drew	QE	
<i>Bactrocera (B.) bidentata</i> (May)	Q	
<i>Bactrocera (B.) breviaculeus</i> (Hardy)	Q	
<i>Bactrocera (B.) brunnea</i> (Perkins & May)	Q	
<i>Bactrocera (B.) bryoniae</i> (Tryon)	WNQE	
<i>Bactrocera (B.) cacuminata</i> (Hering)	QEV	
<i>Bactrocera (B.) curreyi</i> Drew	Q	Torres Strait only
<i>Bactrocera (B.) daruensis</i> Drew	Q	Torres Strait only
<i>Bactrocera (B.) decurtans</i> (May)	WNQ	
<i>Bactrocera (B.) diospyri</i> Drew	NQ	
<i>Bactrocera (B.) endiandrae</i> (Perkins & May)	QE	
<i>Bactrocera (B.) erubescens</i> (Drew & Hancock)	Q	
<i>Bactrocera (B.) fagraea</i> (Tryon)	Q	
<i>Bactrocera (B.) frauenfeldi</i> (Schiner)	Q	
<i>Bactrocera (B.) fuliginus</i> (Drew & Hancock)	Q	
<i>Bactrocera (B.) furvilineatta</i> Drew	Q	Torres Strait only
<i>Bactrocera (B.) halfordiae</i> (Tryon)	QE	
<i>Bactrocera (B.) hispidula</i> (May)	Q	
<i>Bactrocera (B.) humilis</i> (Drew & Hancock)	Q	
<i>Bactrocera (B.) jarvisi</i> (Tryon)	WNQE	
<i>Bactrocera (B.) kraussi</i> (Hardy)	Q	
<i>Bactrocera (B.) laticaudus</i> (Hardy)	Q	
<i>Bactrocera (B.) lineata</i> (Perkins)	Q	Torres Strait only
<i>Bactrocera (B.) manskii</i> (Perkins & May)	Q	
<i>Bactrocera (B.) mayi</i> (Hardy)	QE	
<i>Bactrocera (B.) melas</i> (Perkins & May)	Q	Probable hybrid
<i>Bactrocera (B.) mendosa</i> (May)	NQ	
<i>Bactrocera (B.) moluccensis</i> (Perkins)	Q	Torres Strait only
<i>Bactrocera (B.) murrayi</i> (Perkins)	Q	
<i>Bactrocera (B.) musae</i> (Tryon)	Q	

<i>Bactrocera</i> (B.) <i>mutabilis</i> (May)	Q	
<i>Bactrocera</i> (B.) <i>neohumeralis</i> (Hardy)	QE	
<i>Bactrocera</i> (B.) <i>nigrovittata</i> Drew	Q	
<i>Bactrocera</i> (B.) <i>notatagena</i> (May)	Q	
<i>Bactrocera</i> (B.) <i>opiliae</i> (Drew & Hardy)	WNQ	
<i>Bactrocera</i> (B.) <i>pallida</i> (Perkins & May)	NQ	
<i>Bactrocera</i> (B.) <i>papayae</i> Drew & Hancock	Q	Torres Strait only
<i>B. (B.) parabarringtoniae</i> Drew & Hancock	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>parafrasienfeldi</i> Drew	N	
<i>Bactrocera</i> (B.) <i>peninsularis</i> (Drew & Hancock)	Q	
<i>Bactrocera</i> (B.) <i>perkinsi</i> (Drew & Hancock)	Q	
<i>Bactrocera</i> (B.) <i>phaleriae</i> (May)	Q	
<i>Bactrocera</i> (B.) <i>pulchra</i> Tryon	Q	
<i>Bactrocera</i> (B.) <i>quadrata</i> (May)	Q	
<i>Bactrocera</i> (B.) <i>recurrens</i> (Hering)	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>repanda</i> Drew	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>resima</i> (Drew)	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>robiginosa</i> (May)	Q	
<i>Bactrocera</i> (B.) <i>romigae</i> (Drew & Hancock)	Q	
<i>Bactrocera</i> (B.) <i>rufescens</i> (May)	Q	
<i>Bactrocera</i> (B.) <i>rufofuscula</i> (Drew & Hancock)	Q	
<i>Bactrocera</i> (B.) <i>russeola</i> (Drew & Hancock)	Q	
<i>Bactrocera</i> (B.) <i>silvicola</i> (May)	Q	
<i>Bactrocera</i> (B.) <i>speewahensis</i> Fay & Hancock	Q	
<i>Bactrocera</i> (B.) <i>strigata</i> (Perkins)	QEV	
<i>Bactrocera</i> (B.) <i>tenuifascia</i> (May)	WN	
<i>Bactrocera</i> (B.) <i>torresiae</i> Huxham & Hancock	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>trifaria</i> (Drew)	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>trivialis</i> (Drew)	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>tryoni</i> (Froggatt)	NQEV	
<i>Bactrocera</i> (B.) <i>turneri</i> Drew	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>umbrosa</i> (Fabricius)	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>vulgaris</i> (Drew)	Q	Torres Strait only
<i>Bactrocera</i> (B.) <i>yorkensis</i> Drew & Hancock	Q	
<i>Bactrocera</i> (B.) sp. near <i>barringtoniae</i>	Q	R&H 2012
<i>Bactrocera</i> (Bulladacus) <i>flavinotus</i> (May)	Q	= <i>neotigrina</i> D&H
<i>Bactrocera</i> (Bulladacus) <i>tigrina</i> (May)	Q	
<i>Bactrocera</i> (Diplodacus) <i>signatifer</i> (Tryon)	Q	
<i>B. (Gymnodacus)</i> <i>calophylli</i> (Perkins & May)	Q	
<i>Bactrocera</i> (Hemizeugodacus) <i>aglaiae</i> (Hardy)	Q	
<i>Bactrocera</i> (Hemizeugodacus) <i>aurea</i> (May)	Q	

<i>Bactrocera (H.) ektoalanguiae</i> Drew & Hancock	Q	
<i>Bactrocera (Javadacus) aberrans</i> (Hardy)	Q	
<i>Bactrocera (Javadacus) melanothoracica</i> Drew	Q	
<i>Bactrocera (Javadacus) unirufa</i> Drew	Q	
<i>Bactrocera (Melanodacus) nigra</i> (Tryon)	Q	
<i>Bactrocera (Paratridacus) expandens</i> (Walker)	Q	
<i>Bactrocera (Queenslandacus) exigua</i> (May)	Q	
<i>Bactrocera (Sinodacus) strigifinis</i> (Walker)	Q	
<i>Bactrocera (Zeugodacus) chorista</i> (May)	QE	
<i>Bactrocera (Zeugodacus) cucurbitae</i> (Coquillett)	Q	Torres Strait only
<i>Bactrocera (Zeugodacus) fallacis</i> (Drew)	Q	
<i>Bactrocera (Zeugodacus) macrovittata</i> Drew	Q	Torres Strait only
<i>Dacus (Callantra) axanus</i> (Hering)	Q	
<i>Dacus (Mellesis) petioliforma</i> (May)	Q	
<i>Dacus (Mellesis) pusillus</i> (May)	Q	
<i>Dacus (Neodacus) absonifacies</i> (May)	QEV	
<i>Dacus (Neodacus) aequalis</i> Coquillett	QE	
<i>Dacus (Neodacus) bellulus</i> Drew & Hancock	NQ	
<i>Dacus (Neodacus) coenensis</i> Royer & Hancock	Q	
<i>Dacus (Neodacus) hardyi</i> Drew	NQ	
<i>Dacus (Neodacus) newmani</i> (Perkins)	WNSQE	
<i>Dacus (Neodacus) palmerensis</i> Drew	Q	
<i>Dacus (Neodacus) salamander</i> Drew & Hancock	Q	= <i>concolor</i> Drew
<i>Dacus (Neodacus) secamoneae</i> Drew	NQ	
<i>Dacus (Neodacus) signatifrons</i> (May)	QE	
Tribe Gastrozonini		
<i>Carpophthorella nigrifascia</i> (Walker)	Q	
Subfamily TEPHRITINAE		
Tribe Cecidocharini		
<i>Procecidochares alani</i> Steyskal	QE	Introduced*
<i>Procecidochares utilis</i> Stone	SQEV	Introduced*
Tribe Dithrycini (Subtribe Platensina)		
<i>Oedaspis</i> group of genera		
<i>Hyalopeza aristae</i> Hancock & Drew	Q	
<i>Hyalopeza schneiderae</i> Hardy & Drew	SQEV	
<i>Liepana apiciclara</i> (Hardy & Drew)	E	
<i>Liepana helichrysii</i> Hardy & Drew	E	
<i>Liepana latifrons</i> Hardy & Drew	V	
<i>Liepana lugubris</i> (Macquart)	ET	
<i>Oedaspis apicalis</i> Hardy & Drew	E	
<i>Oedaspis australis</i> (Malloch)	WQE	

<i>Oedaspis austrina</i> Hardy & Drew	WS	
<i>Oedaspis continua</i> Hardy & Drew	W	
<i>Oedaspis escheri</i> (Bezzi)	WNQE	
<i>Oedaspis gallicola</i> Hardy & Drew	EV	
<i>Oedaspis goodenia</i> Hardy & Drew	QEV	
<i>Oedaspis hardyi</i> Norrbom	E	= <i>serrata</i> H&D
<i>Oedaspis mouldsi</i> Hardy & Drew	Q	
<i>Oedaspis olearia</i> Hardy & Drew	EVT	
<i>Oedaspis perkinsi</i> Hardy & Drew	QV	
<i>Oedaspis semihyalina</i> Hardy & Drew	W	
<i>Oedaspis trifasciata</i> (Malloch)	V	
<i>Oedaspis trimaculata</i> Hardy & Drew	WN	
<i>Oedaspis whitei</i> Hardy & Drew	WNV	
<i>Oedaspis</i> sp. A near <i>mouldsi</i>	E	H&D 1996
<i>Oedaspis</i> sp. B near <i>mouldsi</i>	T	H&D 1996
<i>Oedaspis</i> sp. C	EV	H&D 1996
<i>Oedaspis</i> sp. D near <i>continua</i>	V	H&D 1996
<i>Oedaspis</i> sp. E near <i>apicalis</i>	E	H&D 1996
<i>Platensina</i> group of genera		
<i>Australasinia sexincisa</i> (Malloch)	SQE	
<i>Collessomyia setiger</i> Hardy & Drew	WNQ	
<i>Platensina ampla</i> de Meijere	Q	Newly recorded
<i>Platensina parvipuncta</i> Malloch	Q	
<i>Platensina platyptera</i> Hendel	Q	= <i>amplipennis</i> auct.
<i>Platensina trimaculata</i> Hardy & Drew	Q	
<i>Platensina zodiacalis</i> (Bezzi)	NQ	
Tribe Myopitini		
<i>Urophora solstitialis</i> (Linnaeus)	E	Introduced*
<i>Urophora stylata</i> (Fabricius)	SEVT	Introduced*
<i>Urophora terebrans</i> (Loew)	E	Introduced*
Tribe Schistopterini		
<i>Calloptera queenslandica</i> (Hardy & Drew)	Q	
<i>Calloptera wedelia</i> (Hardy & Drew)	Q	
<i>Rhabdochaeta pulchella</i> de Meijere	Q	
<i>Rhochmopterum venustum</i> (de Meijere)	QE	
Tribe Tephrellini		
<i>Sphaeniscus</i> group of genera		
<i>Dicheniotes ternarius</i> (Loew)	Q	Introduced
<i>Sphaeniscus atilius</i> (Walker)	NQE	
Tribe Tephritini		
<i>Campiglossa</i> group of genera		

<i>Dioxyna brachybasis</i> Hardy	Q	
<i>Dioxyna hyalina</i> Hardy & Drew	WSQEV	
<i>Dioxyna sororcula</i> (Wiedemann)	all	
<i>Mesoclanis magnipalpis</i> (Bezzi)	SV	Introduced*
<i>Mesoclanis polana</i> (Munro)	QE	Introduced*
<i>Peneparoxyna minuta</i> Hardy & Drew	NE	
<i>Scedella infrequens</i> (Hardy & Drew)	QE	= <i>vaga</i> H&D
<i>Scedella orientalis</i> (de Meijere)	Q	
<i>Euaresta</i> group of genera		
<i>Euaresta aequalis</i> (Loew)	QE	Introduced*
<i>Euaresta bullans</i> (Wiedemann)	QEV	Introduced
<i>Spathulina</i> group of genera		
<i>Paraspathulina apicomaculata</i> Hardy & Drew	WNSQEV	
<i>Paraspathulina eremostigma</i> Hardy & Drew	WNSQEV	
<i>Paraspathulina trimacula</i> Hancock & Drew	Q	
<i>Spathulina acroleuca</i> (Schiner)	all	
<i>Sphenella</i> group of genera		
<i>Sphenella ruficeps</i> (Macquart)	all	
<i>Tephritis</i> group of genera		
<i>Austrotephritis brunnea</i> (Hardy & Drew)	EVT	
<i>Austrotephritis bushi</i> (Hardy & Drew)	EVT	
<i>Austrotephritis campiglossina</i> (Hering)	W	= <i>turneri</i> H&D
<i>Austrotephritis distigmata</i> (Hardy & Drew)	W	
<i>Austrotephritis fuscata</i> (Macquart)	QEVT	
<i>Austrotephritis hesperia</i> (Hardy & Drew)	W	
<i>Austrotephritis pelia</i> (Schiner)	all	
<i>Austrotephritis phaeostigma</i> (Hardy & Drew)	WSV	
<i>Austrotephritis poenia</i> (Walker)	all	
<i>Austrotephritis protrusa</i> (Hardy & Drew)	QE	
<i>Austrotephritis pumila</i> (Hardy & Drew)	WSQEV	
<i>Austrotephritis quasiprolixa</i> (Hardy & Drew)	SE	
<i>Austrotephritis tasmaniae</i> (Hardy & Drew)	T	
<i>Austrotephritis transversa</i> (Hardy & Drew)	EV	
<i>Austrotephritis trupanea</i> (Hardy & Drew)	WSQE	
<i>Austrotephritis whitei</i> (Hardy & Drew)	T	
<i>Austrotephritis</i> sp. A near <i>bushi</i>	V	H&D <i>Tephritis</i> sp.
<i>Austrotephritis</i> sp. B near <i>phaeostigma</i>	Q	Hancock 2012a
<i>Cooronga mcalpinei</i> Hardy & Drew	S	
<i>Paraactinoptera collessi</i> Hardy & Drew	W	
<i>Paraactinoptera danielsi</i> Hancock & Drew	Q	
<i>Paraactinoptera prolixa</i> (Hardy & Drew)	WNS	

<i>Parahyalopeza bushi</i> Hardy & Drew	V	
<i>Parahyalopeza multipunctata</i> Hancock & Drew	E	Lord Howe I. only
<i>Parahyalopeza pantosticta</i> (Hardy & Drew)	QEVT	
<i>Quasicooronga connecta</i> Hardy & Drew	V	
<i>Quasicooronga disconnecta</i> Hardy & Drew	E	
<i>Tephritis furcata</i> Hardy & Drew	Q	
<i>Trupanea bifida</i> Hardy & Drew	E	
<i>Trupanea glauca</i> (Thomson)	WSQEV	
<i>Trupanea heronensis</i> Hardy & Drew	Q	
<i>Trupanea notata</i> Hardy & Drew	QE	
<i>Trupanea opprimata</i> Hering	NQ	= <i>amoena</i> auct.
<i>Trupanea prolata</i> Hardy & Drew	WSQEV	
<i>Trupanea pusilla</i> Hardy & Drew	WQ	
<i>Trupanea queenslandensis</i> Hardy & Drew	Q	
<i>Trupanea</i> sp. A near <i>terryi</i>	W	H&D 1996
<i>Trupanea</i> sp. B near <i>terryi</i>	Q	H&D 1996
<i>Trupanea</i> sp. C near <i>mutabilis</i>	V	H&D 1996

Composition of generic groups in subfamily Tephritinae was discussed by Hancock (2001, 2007c, 2010a) and Hancock and Drew (2003c), while that of generic groups and subgroups in tribe Acanthonevrini was discussed by Korneyev (1999) and Hancock and Drew (2003a). Three new Tephritinae genera were proposed by Hancock (2001: *Australasinia*), Freidberg (2002: *Calloptera*) and Hancock and Drew (2003c: *Austrotephritis*). Subgeneric nomenclature in *Dacus* Fabricius was revised by Hancock and Drew (2006).

Additional new distribution records were noted by Gillespie (2003) and Hancock (2010b, 2012b). Many of the *Bactrocera* Macquart species recorded only from Torres Strait, including the pest species *B. papayae* Drew & Hancock, *B. trivialis* (Drew) and *B. cucurbitae* (Coquillett), are vagrants from Papua New Guinea and are not permanently established there.

Indian Ocean Territories

Five primarily SE Asian species of *Bactrocera* are known from the Australian Territory of Christmas Island in the Indian Ocean (Bellis *et al.* 2004): *B. (B.) albistrigata* (de Meijere), *B. (B.) arecae* (Hardy & Adachi), *B. (B.) papayae* Drew & Hancock, *B. (B.) umbrosa* (Fabricius) and *B. (Zeugodacus) cucurbitae* (Coquillett). The last three also occur as vagrants in Torres Strait but none occurs on mainland Australia.

Host plants

Table 2 lists host plants recorded since the listing of Hancock *et al.* (2000), including those for six subsequently described or recorded species. Records of Phytalmiinae, Trypetinae and Dacinae are from fruit unless otherwise

indicated. Thirteen additional host plants for *Ceratitis capitata* in Western Australia were reported by Woods *et al.* (2005) and are not repeated here.

Table 2. Host plants recorded since Hancock *et al.* (2000). * = introduced; PNG = Papua New Guinea. Sources: 1 = Hancock and Drew 2003a; 2 = Hancock 2002, in oozing resin beneath damaged bark; 3 = Hancock and Drew 2003b; 4 = Leblanc *et al.* 2012; 5 = Julien *et al.* 2012; 6 = Hancock and Drew 2003c; 7 = Hancock 2001 and reared specimens in Department of Agriculture, Forestry and Fisheries, Brisbane; 8 = Hancock and Drew 2003c, collected on but not reared.

Fly species	Host plant family / species	Comments
Subfamily Phytalmiinae		
<i>Clusiosoma semifuscum</i>	MORACEAE: <i>Ficus nodosa</i>	1
<i>Clusiosomina puncticeps</i>	MORACEAE: <i>Ficus coronata</i>	confirmed:1
	MORACEAE: <i>Ficus fraseri</i>	1
<i>Termitorioxia termitoxena</i>	COMBRETACEAE: <i>Terminalia</i> sp. bark	2
Subfamily Trypetinae		
<i>Euphranta numeralis</i>	MORACEAE: <i>Maclura cochinchinensis</i>	3
Subfamily Dacinae		
<i>Bactrocera cheesmanae</i>	CLUSIACEAE: <i>Garcinia</i> cf. <i>hollrungii</i>	in PNG: 4
<i>Bactrocera lineata</i>	APOCYNACEAE:	
	<i>Tabernaemontana aurantiaca</i>	in PNG: 4
	SAPINDACEAE: <i>Pometia pinnata</i>	in PNG: 4
<i>Bactrocera strigifinis</i>	CUCURBITACEAE: <i>Cucurbita</i> flowers	in PNG: 4
Subfamily Tephritinae		
<i>Procecidochares alani</i> *	ASTERACEAE: <i>Ageratina riparia</i>	5
<i>Urophora solstitialis</i> *	ASTERACEAE: <i>Carduus nutans</i>	5
<i>Urophora stylata</i> *	ASTERACEAE: <i>Cirsium vulgare</i>	5
<i>Urophora terebrans</i> *	ASTERACEAE: <i>Onopordum acanthium</i>	5
	ASTERACEAE: <i>Onopordum illyricum</i>	5
<i>Rhabdochaeta pulchella</i>	ASTERACEAE: <i>Blumea lacera</i>	SE Asia: 6
<i>Scedella orientalis</i>	ASTERACEAE: <i>Wedelia trilobata</i>	7
<i>Paraactinoptera danielsi</i>	ASTERACEAE: <i>Pluchea baccharoides</i>	not reared:8

Introduced species

Eleven species have been introduced into Australia, eight deliberately for the biological control of weeds and three accidentally (see Table 1). The former includes three species of *Urophora* Robineau-Desvoidy: *U. solstitialis* (L.), *U. stylata* (Fabricius) and *U. terebrans* (Loew), all released between 1992 and 2000 for the control of *Carduus*, *Cirsium* and *Onopordum* thistles respectively (Julien *et al.* 2012, Morley 2012). The latter includes the pest

species *Ceratitis capitata* (Wiedemann) [Mediterranean fruit fly or Medfly], introduced into the Perth and Sydney districts during the 1890s. Still present in Western Australia, this species disappeared from the eastern States by the 1940s, possibly as a result of improved control techniques and competition from the endemic *Bactrocera tryoni* (Froggatt). Interestingly, reports of *C. capitata* from India almost certainly refer to Australian specimens donated by Walter Froggatt during his visit in 1908 (Hancock 2007a).

Two further species, *Eutreta xanthochaeta* Aldrich (Tephritinae: Eutretini) and *Tephritis postica* (Loew) (Tephritinae: Tephritini), were released for the biological control of lantana and *Onopordum* thistles respectively but failed to establish. *Mesoclanis magnipalpis* (Bezzi) also appears not to have established but releases are ongoing (Adair *et al.* 2012). *Bactrocera papayae* and *B. philippinensis* were present in northern mainland Australia during the mid-late 1990s but were eradicated. I find no evidence of the release of *Urophora quadrifasciata* (Meigen) in Australia (or of *U. stylata* prior to 1993), with records (1 ♀ of each) from 'Narabeen West, NSW' [no such place] (White and Korneyev 1989) ('NT' [error] in Hardy and Foote 1989) regarded as mislabelled specimens of European origin. For identification of the relevant *Urophora* species, see White and Korneyev (1989).

Cecidochares connexa (Macquart) (Tephritinae: Cecidocharini), has been released in Papua New Guinea and several other countries for the biological control of *Chromolaena odorata* (Asteraceae) and is a potential candidate for controlling this weed in northern Queensland.

Additional notes

The following morphological and distributional notes are based on specimens in the Department of Agriculture (Northern Australia Quarantine Strategy), Cairns (NAQS) and the Queensland Museum, Brisbane (QMB). One species is newly recorded from Australia and one new synonym is proposed.

Subfamily Phytalmiinae

Acanthonevroides nigriventris (Malloch)

QUEENSLAND: 1 ♀, Bribie Is, 0.85 km NE of NPHQ, 27.018°S 153.122°E, 10 m, 24.ix.-9.x.2010, G. Monteith, Malaise, wallum (QMB).

This is a widespread species known from SE Queensland to Victoria (Permkam and Hancock 1995b). Collected in a Malaise trap baited with sawn saplings (G.B. Monteith pers. comm.).

Austronevra australina (Hendel, 1928)

QUEENSLAND: 1 ♂, 60 Silver Ash Rd, Cow Bay, 16°14'7"S 145°27'36"E, 16.xi.2011, A.D. Rice, J.A. Walker (NAQS); 2 ♂♂, 2 ♀♀, Minbin, Mahony Rd, 17°27'13"S 145°35'26"E, 30.x.2011, S. Cowan, from underside of *Acronychia acidula* leaves (NAQS); 1 ♀, Polly Creek, Garradunga, 17.456°S 146.02°E, 2.52 m, 13.i.-4.ii.2010, J. Hasenpusch, Malaise (QMB).

The above records include the most northerly locality now known for this NE Queensland rainforest species, previously known from Daintree to Tully (Permkam and Hancock 1995b).

Austrorioroxa acidimorpha (Hendel)

QUEENSLAND: 1 ♀, Blackbutt Range, top, 26.8676°S 152.192°E, 28.iii.-10.iv.2010, Monteith, RF Malaise; 9 ♀♀, 25.757°S 152.697°E, Tallegalla Weir Junction, 35 m, 7.xi.2011-5.i.2012, G. Monteith, Malaise, RF [except 1 OF] (QMB).

These are additional locality records from SE Queensland for this eastern Australian species (Permkam and Hancock 1995b). Collected in Malaise traps baited with sawn saplings (G.B. Monteith pers. comm.).

Copiolepis colpopteris Permkam & Hancock, 1995 (Fig. 1)

QUEENSLAND: 2 ♂♂, Gordon's Creek, 12.713°S 143.320°E, 15 m, 9.xii.2010, Escalona & Will, MV light; 1 ♂, 2 ♀♀, East Claudie River, 12.714°S 143.287°E, 15 m, 8-16.xii.2010, Monteith & Escalona, MV light, rainforest (QMB).

The above females (Fig. 1) are the first recorded for this species. They are similar to males but the wing is normal in shape and not modified posteriorly, the stigma is a little shorter and veins R_{2+3} and R_{4+5} are less strongly curved anteriorly. The pattern is dark brown with paler costal cells and stigma, a subhyaline to pale brown semicircular marginal spot filling apex of cell r_{4+5} , a broad, subhyaline marginal indentation in cell m and a subhyaline to hyaline posterior margin covering cell bm, anal lobe and posterior two-thirds of cell cu_1 . The black medial vitta on the abdomen is thin and indistinct. The oviscap is black and about as long as terga IV-VI. The species is known only from Iron Range, Cape York Peninsula.



Figs 1-2. Two species of Phytalmiinae and Dacinae known only from Iron Range: (1) *Copiolepis colpopteris*, female; (2) *Paraceratitella oblonga*, male. Photographs by Federica Turco (Queensland Museum, Brisbane).

Lumirioxa araucariae (Tryon, 1927)

QUEENSLAND: 1 ♂, Yarraman, 2.9 km SSE, 26.865°S 152.995°E, 12-28.iii.2010, Monteith, RF Malaise; 1 ♂, Blackbutt Range, top, 26.8676°S 152.192°E, 12-28.iii.2010, Monteith, RF Malaise (QMB).

The above specimens add two more localities to those recorded from SE Queensland by Permkam and Hancock (1995b). In the Blackbutt Range male the fore femora and tibiae are extensively blackened. Collected in Malaise traps baited with sawn saplings (G.B. Monteith pers. comm.).

Micronevrina hyalina Permkam & Hancock, 1995

QUEENSLAND: 1 ♀, Mt Mee, 27.077°S 152.686°E, 530 m, 28.viii.-10.ix.2010, G. Monteith, Malaise, wet sclerophyll (QMB).

This is the third (and most northern) known locality for this species in SE Queensland, recorded previously from Mt Glorious and near Caloundra. Collected in a Malaise trap baited with sawn saplings (G.B. Monteith pers. comm.).

Micronevrina montana Permkam & Hancock, 1995

QUEENSLAND: 1 ♀, Yarraman, 2.2 km SE, 26.857°S 152.994°E, 12-28.iii.2010, Monteith, RF Malaise; 2 ♀♀, same data except 2.9 km SSE, 26.865°S 152.995°E, 12-28.iii.2010 or 28.iii.-10.iv.2010; 7 ♂♂, 1 ♀, 25.757°S 152.697°E, Tallegalla Weir Junction, 35 m, 7.xi.2011-5.i.2012, G. Monteith, Malaise, RF (QMB).

One of the above specimens differs from those recorded by Permkam and Hancock (1995b) in having tergite III fulvous medially and all have terga V-VI wholly black but this species is known to be variable. The outer hyaline streak in cell r_{4+5} is small, very faint or absent. All three Yarraman specimens have a pair of thin, secondary (middle) scutellar setae present. Collected in Malaise traps baited with sawn saplings (G.B. Monteith pers. comm.).

Subfamily Trypetinae

Adrama selecta Walker, 1859

QUEENSLAND (Torres Strait): 1 ♂, Lala Hill, Moa Island, 10.10.2°S 142.18.1°E, 80 m, 1-2.iv.2008, K. Aland, dung/mushroom pitfall; 1 ♂, Prince of Wales Island, camp, 10.42.3°S 142.13.5°E, 10 m, 3-7.i.2008, G. Monteith & K. Aland (QMB).

The above records are the first from Torres Strait for this northern species.

Euphranta leichhardtiae Permkam & Hancock, 1995

QUEENSLAND: 1 ♂, East Claudie River, 12.714°S 143.287°E, 15 m, 8-16.xii.2010, Monteith & Escalona, MV light, rainforest (QMB).

The above male has the abdomen mostly fulvous with terga IV-V darker, tending brownish, similar to that of females and not as black as in other males recorded by Permkam and Hancock (1995b).

Subfamily Dacinae

Paraceratitella oblonga Hardy, 1967 (Fig. 2)

QUEENSLAND: 4 ♂♂, East Claudie River, 12.714°S 143.287°E, 15 m, 8-16.xii.2010, Monteith & Escalona, MV light, rainforest (QMB).

The above males (Fig. 2) are the first recorded for this species, known only from Iron Range, Cape York Peninsula. They are similar to females but the grey-pollinose area on the scutum is more extensive.

Subfamily Tephritinae

Platensina ampla de Meijere, 1914

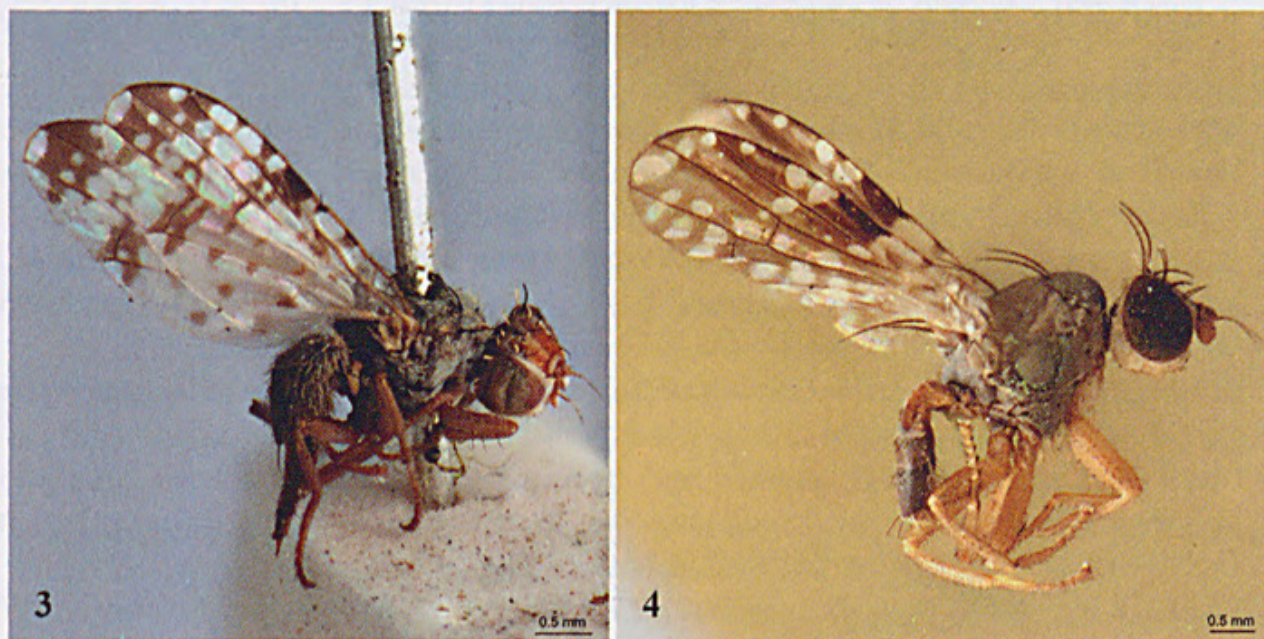
QUEENSLAND: 1 ♀, Ina Ct, Rocky Point, Weipa, 12°37'44"S 141°52'40"E, 3.vi.2013, net, A.D. Rice (NAQS).

This distinctive species is now known from Indonesia, Papua New Guinea, Solomon Islands and northern Australia (**new country record**). For diagnosis and illustrations see Hancock (2012c).

Scedella infrequens (Hardy & Drew, 1996) (Fig. 3)

QUEENSLAND: 1 ♂, Gatton, 6.xi.1933, F.A. Perkins; 1 ♀, Stanthorpe, 19.x.1925 (QMB).

Previously known only from males, the female (Fig. 3) ovipositor is red-brown and about as long as terga IV-VI. Variation in the wing pattern in this species is such that *Campiglossa vaga* Hardy & Drew, 1996, **new synonym** cannot be separated and is here considered to be conspecific with *Paroxyna infrequens* Hardy & Drew, 1996 (placed in *Scedella* Munro by Hancock 2001), the latter name given nomenclatural priority under the Principle of First Reviser (ICZN 1999: Article 24.2).



Figs 3-4. Tephritinae: (3) *Scedella infrequens*, female; (4) *Austrotephritis* sp. nr *phaeostigma*, male. Photographs by Federica Turco (Queensland Museum, Brisbane).

Paraspathulina trimacula Hancock & Drew, 2003

QUEENSLAND: 1 ♂, 1 ♀, Caloundra, 17.viii.1934, F.A. Perkins; 1 ♂, Brisbane, 28.x.1964, H.A. Rose; 1 ♀, Inglewood, 1.ix.1925 (QMB).

Previously known from a single male from Mt Cootha, Brisbane (Hancock and Drew 2003c), the female ovipositor is black. In one specimen, the outer marginal hyaline spot in cell cu_1 is absent.

Spathulina acroleuca (Schiner, 1868)

NEW SOUTH WALES: 1 ♀, Lord Howe Is., Macleay (QMB).

This widespread species is newly recorded from Lord Howe Island.

Austrotephritis protrusa (Hardy & Drew, 1996)

QUEENSLAND: 1 ♂, 20.101°S 147.757°E, Mt Abbot camp, 800 m, 22-28.ix.2011, Monteith, MV light, 34971 (QMB).

There are few records of this distinctive eastern species known from Mt Finnigan near Cooktown to northern New South Wales.

Austrotephritis sp. nr *phaeostigma* (Hardy & Drew, 1996) (Fig. 4)

QUEENSLAND: 2 ♂♂, Eidsvold, 17.viii.1923, Bancroft (QMB).

The above specimens appear to represent an undescribed species close to *A. phaeostigma* (Hardy & Drew) (Hancock 2012a). Hyaline subapical spots in cell dm are small and a single spot in cell r_{2+3} forms a triangle with the pair in cell r_1 . A second undescribed species, near *A. bushi* (Hardy & Drew), was reported from Victoria by Hardy and Drew (1996, as '*Tephritis* sp. A').

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References

- ADAIR, R.J., MORLEY, T. and MORIN, L. 2012. *Chrysanthemoides monilifera* (L.) T. Norl. – bitou bush and boneseed. Pp 170-183, in: Julien, M., McFadyen, R. and Cullen, J. (eds), *Biological control of weeds in Australia*. CSIRO Publishing, Melbourne.
- BELLIS, G.A., DONALDSON, J.F., CARVER, M., HANCOCK, D.L. and FLETCHER, M.J. 2004. Records of insect pests on Christmas Island and the Cocos (Keeling) Islands, Indian Ocean. *Australian Entomologist* 31(3): 93-102.
- DREW, R.A.I. 1989. The tropical fruit flies (Diptera: Tephritidae: Dacinae) of the Australasian and Oceanian Regions. *Memoirs of the Queensland Museum* 26: 1-521.
- DREW, R.A.I. and HANCOCK, D.L. 2000. Synonymy, geographic distributions, lectotype designations and type depositories of some Australian and South Pacific Dacinae (Diptera: Tephritidae). *Australian Entomologist* 27(1): 27-30.
- DREW, R.A.I., HANCOCK, D.L. and ROMIG, M.C. 1999. New species and records of fruit flies (Diptera: Tephritidae: Dacinae) from north Queensland. *Australian Entomologist* 26: 1-12.
- FREIDBERG, A. 2002. Systematics of Schistopterini (Diptera: Tephritidae: Tephritinae), with descriptions of new genera and species. *Systematic Entomology* 27: 1-29.

- GILLESPIE, P. 2003. Observations on fruit flies (Diptera: Tephritidae) in New South Wales. *General and Applied Entomology* 32: 41-47.
- HANCOCK, D.L. 1995. *Philophylla humeralis* (Hendel) (Diptera: Tephritidae: Trypetinae) newly recorded from Australia. *Australian Entomologist* 22(4): 113-114.
- HANCOCK, D.L. 1996. A new species and new combination in Australian Trypetinae (Diptera: Tephritidae). *Australian Entomologist* 23(3): 87-90.
- HANCOCK, D.L. 2001. Systematic notes on the genera of Australian and some non-Australian Tephritinae (Diptera: Tephritidae). *Australian Entomologist* 28(4): 111-116.
- HANCOCK, D.L. 2002. A note on the biology of *Termitorioxia termitoxena* (Bezzi) (Diptera: Tephritidae). *Australian Entomologist* 29(3): 96.
- HANCOCK, D.L. 2006. The taxonomic placement of *Campiglossa vaga* Hardy & Drew and *Mesoclanis campiglossina* Hering (Diptera: Tephritidae: Tephritinae). *Australian Entomologist* 33(3): 142.
- HANCOCK, D.L. 2007a. Book review. *Australian Entomologist* 34(2): 61-62.
- HANCOCK, D.L. 2007b. A review of *Callistomyia* Bezzi and related genera (Diptera: Tephritidae: Trypetinae). *Australian Entomologist* 34(4): 107-114.
- HANCOCK, D.L. 2007c. Notes on the genus-group placement of *Peneparoxyna* Hardy & Drew and *Soraida* Hering (Diptera: Tephritidae: Tephritinae). *Australian Entomologist* 34(4): 126.
- HANCOCK, D.L. 2009a. Additions and amendments to a recent classification of *Dacus* Fabricius (Diptera: Tephritidae: Dacinae). *Australian Entomologist* 36(2): 67-70.
- HANCOCK, D.L. 2009b. A note on *Trupanea opprimata* Hering (Diptera: Tephritidae). *Australian Entomologist* 36(3): 103-104.
- HANCOCK, D.L. 2010a. A review of the fruit fly tribe Tephrellini (Diptera: Tephritidae: Tephritinae) in the Indo-Australian Region. *Australian Entomologist* 37(1): 1-6.
- HANCOCK, D.L. 2010b. Supplementary additions to a recent classification of *Dacus* Fabricius (Diptera: Tephritidae: Dacinae), with notes on the *D. (Neodacus) newmani* group. *Australian Entomologist* 37(2): 45-46.
- HANCOCK, D.L. 2011. *Epinettyra setosa* Permkam & Hancock, an Australian representative of tribe Phascini (Diptera: Tephritidae: Phytalmiini). *Australian Entomologist* 38(4): 197-200.
- HANCOCK, D.L. 2012a. One historical and two new records of *Austrotephritis* Hancock & Drew species (Diptera: Tephritidae: Tephritinae) from Tasmania. *Australian Entomologist* 39(2): 87-88.
- HANCOCK, D.L. 2012b. Two new records of *Oedaspis* (Loew) species (Diptera: Tephritidae: Tephritinae) from Queensland. *Australian Entomologist* 39(3): 178.
- HANCOCK, D.L. 2012c. Systematic and distributional notes on some Australasian and African species of *Platensina* Enderlein and *Dicheniotes* Munro (Diptera: Tephritidae: Tephritinae), with description of a new species of *Dicheniotes* from Kenya. *Australian Entomologist* 39: 305-320.
- HANCOCK, D.L. and DREW, R.A.I. 2003a. New species and records of Phytalmiinae (Diptera: Tephritidae) from Australia and the south Pacific. *Australian Entomologist* 30(2): 65-78.
- HANCOCK, D.L. and DREW, R.A.I. 2003b. New species and records of Trypetinae (Diptera: Tephritidae) from Australia and the South Pacific. *Australian Entomologist* 30(3): 93-106.
- HANCOCK, D.L. and DREW, R.A.I. 2003c. A new genus and new species, combinations and records of Tephritinae (Diptera: Tephritidae) from Australia, New Zealand and the South Pacific. *Australian Entomologist* 30(4): 141-158.

- HANCOCK, D.L. and DREW, R.A.I. 2006. A revised classification of subgenera and species groups in *Dacus* Fabricius (Diptera, Tephritidae). Pp 167-205, in: Merz, B. (ed.), *Phylogeny, taxonomy, and biology of tephritoid flies (Diptera, Tephritoidea)*. *Instrumenta Biodiversitatis* Vol. VII. Natural History Museum, Geneva; 274 pp.
- HANCOCK, D.L., HAMACEK, E.L., LLOYD, A.C. and ELSON-HARRIS, M.M. 2000. *The distribution and host plants of fruit flies (Diptera: Tephritidae) in Australia*. Information Series Q199067. Department of Primary Industries, Brisbane; 75 pp.
- HARDY, D.E. and DREW, R.A.I. 1996. Revision of the Australian Tephritini (Diptera: Tephritidae). *Invertebrate Taxonomy* 10: 213-405.
- HARDY, D.E. and FOOTE, R.H. 1989. Family Tephritidae. Pp 503-531, in: Evenhuis, N.L. (ed.), *Catalog of the Diptera of the Australasian and Oceanic Regions*. Bishop Museum Special Publications No. 86. Bishop Museum Press, Honolulu.
- HUXHAM, K.A. and HANCOCK, D.L. 2002. New records of Dacinae (Diptera: Tephritidae) from northern Queensland and Torres Strait, Australia. *Australian Entomologist* 29(4): 123-126.
- HUXHAM, K.A., FAY, H.A.C. and HANCOCK, D.L. 2006. Two new species and a new Australian record of *Bactrocera* Macquart (Diptera: Tephritidae: Dacinae) from northern Queensland, Torres Strait and Papua New Guinea. *Australian Journal of Entomology* 45: 34-37.
- ICZN (International Commission on Zoological Nomenclature). 1999. *International Code of Zoological Nomenclature*. Fourth Edition. International Trust for Zoological Nomenclature, London; 306 pp.
- JULIEN, M., McFADYEN, R. and CULLEN, J. (Eds). 2012. *Biological control of weeds in Australia*. CSIRO Publishing, Melbourne.
- KORNEYEV, V.A. 1999. Phylogenetic relationships among higher groups of Tephritidae. Pp 73-113, in: Aluja, M. and Norrbom, A.L. (eds), *Fruit flies (Tephritidae): phylogeny and evolution of behavior*. CRC Press, Boca Raton; xviii + 944 pp.
- KORNEYEV, V.A. 2012. A new genus and species of the subfamily Tachiniscinae (Diptera, Tephritidae) from Australia. *Records of the Australian Museum* 64(3): 159-166.
- LEBLANC, L., VUETI, E.T., DREW, R.A.I. and ALLWOOD, A.J. 2012. Host plant records for fruit flies (Diptera: Tephritidae: Dacini) in the Pacific islands. *Proceedings of the Hawaiian Entomological Society* 44: 11-53.
- MORLEY, T. 2012. Observations on the distribution of the spear thistle gall fly *Urophora stylata* and thistle receptacle weevil *Rhinocyllus conicus* in south eastern Australia. *Proceedings of the Eighteenth Australasian Weeds Conference, Melbourne, Victoria*, pp 351-352. Available at: <http://www.caws.org.au/awc/2012/awc201213511.pdf>
- PERMKAM, S. and HANCOCK, D.L. 1995a. Australian Ceratitinae (Diptera: Tephritidae). *Invertebrate Taxonomy* 8: 1325-1341.
- PERMKAM, S. and HANCOCK, D.L. 1995b. Australian Trypetinae (Diptera: Tephritidae). *Invertebrate Taxonomy* 9: 1047-1209.
- ROYER, J.E. and HANCOCK, D.L. 2012. New distribution and lure records of Dacinae (Diptera: Tephritidae) from Queensland, Australia, and a description of a new species of *Dacus* Fabricius. *Australian Journal of Entomology* 51: 239-247.
- WHITE, I.M. and KORNEYEV, V.A. 1989. A revision of the western Palaearctic species of *Urophora* Robineau-Desvoidy (Diptera: Tephritidae). *Systematic Entomology* 14: 327-374.
- WOODS, B., LACEY, I.B., BROCKWAY, C.A. and JOHNSTONE, C.P. 2005. Hosts of Mediterranean fruit fly *Ceratitis capitata* (Wiedemann) (Diptera: Tephritidae) from Broome and the Broome Peninsula, Western Australia. *Australian Journal of Entomology* 44: 437-441.



Hancock, D L. 2013. "A revised checklist of Australian fruit flies (Diptera: Tephritidae)." *The Australian Entomologist* 40(4), 219–236.

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