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A parasitoid-host Index of Afrotropical Encyrtidae (Hymenoptera: Chalcidoidea)

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ABSTRACT

A parasitoid-host Index is provided for the parasitic wasps of the family Encyrtidae (Hymenoptera: Chalcidoidea) of the Afrotropical region. The Index comprises two parts: in PART I, the parasitoids are listed within their genera, and the insect or arachnid hosts given under each species, followed by a reference. In PART II, the parasitoid complex of each host is given, and the hosts are listed within their families and orders.

Uittreksel

'N PARASITOÏED-GASHEERINDEKS VAN AFROTROPIESE ENCYRTIDAE (HYMENOPTERA: CHALCIDOIDEA)

'n Parasitoïed-gasheerindeks van die parasietwespefamilie die Encyrtidae (Hymenoptera: Chalcidoidea) wat in die Afrotropiese wyk voorkom, word verskaf. Die Indeks bestaan uit twee dele: in DEEL I word die parasitoïede volgens hulle genera ingedeel, met die insek- of Arachnida-gasheer onder elke spesie, gevolg deur 'n verwysing; in DEEL II word die parasitoïedkompleks van elke gasheer gegee en die gasheer word binne hulle families en ordes genoem.

INTRODUCTION

The purpose of this Index is to summarize all the recorded hosts of the Afrotropical Encyrtidae and to provide new unpublished records. Much of the information published up to 1970 is available in Annecke & Insley's (1971) catalogue of Ethiopian Encyrtidae and Aphelinidae, but this present arrangement will make the information more readily accessible. Also, during the ensuing twelve years a considerable number of new taxa with information on their host relationships have been published, as well as several nomenclatural changes in the taxonomy of the African Encyrtidae.

The Index comprises two parts. In PART I, the parasitoids are listed alphabetically within their genera, and the hosts in alphabetical sequence under each species, followed by the bibliographical reference or a reference to unpublished records in the National Collection of Insects, Plant Protection Research Institute, Pretoria. The latter reference is indicated by the abbreviation NCI. In the first part of the Index, authorship of hosts has been omitted, as this is provided in the second part. In PART II, the parasitoid complex of each host is given, and the hosts are listed alphabetically within their families and orders. Bibliographic information and authorship of parasitoids are not contained in this part and it should be used in conjunction with PART I of the Index if such information is required.

The aim of this Index is to provide information on the known parasitoid-host relations of the Afrotropical encyrtids and it is not meant to be a taxonomic catalogue. Synonymic names and other nomenclatural information have therefore not been listed. Misplaced species, e.g. many of the encyrtids described by J. Risbec during the 1950's, as well as other species that I regard as being of uncertain generic placement, have been excluded,

for their present uncertain identity could only cause confusion in our attempt to understand the systematic and host relations of the Encyrtidae. Also excluded are doubtful host records and misidentifications as well as extralimital host records, and records of parasitoids that have been introduced into Africa but which are not known to have become established. The Index also does not include all published references, and those that do not furnish any new information have been omitted in the majority of cases.

Wherever possible, names of hosts have been corrected or updated, in which case they will differ from those names given in the original source.

During the past twenty years or so a great number of reared encyrtids have accumulated in the National Collection of Insects, Pretoria. Many of the host records have hitherto remained unpublished and they constitute new parasitoid-host relationships or contain information that confirms previously recorded relationships. I have therefore included some of these unpublished data here. The majority of these records contain hosts belonging to the Coccoidea, and these were identified by Dr Y. Ben-Dov, Mr G. de Lotto and Mr J. Munting, all formerly from this Institute. The parasitoids from these records were identified by me and by the late Dr D.P. Annecke.

ACKNOWLEDGEMENTS

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PART I PARASITOIDS

FAMILY ENCYRTIDAE

Genus ADELENCYRTUS ASHMEAD

Hosts: Hemiptera, Diaspididae

antennatus Compere & Annecke

Undetermined Diaspididae (Compere & Annecke, 1961)

inglisiae Compere & Annecke

Africaspis chionaspiformis (Annecke & Mynhardt, 1970a)

Africaspis terminaliae (Annecke & Mynhardt, 1970a)

Aspidiotus sp. (Compere & Annecke, 1961)

Balaspis faurei (Annecke & Mynhardt, 1970a)

Clavaspis pituranthi (Annecke & Mynhardt, 1970a)

Clavaspis sp. (Annecke & Mynhardt, 1970a)

Diaspis echinocacti (Annecke & Mynhardt, 1970a)

Moraspidiotus euphorbiae (Annecke & Mynhardt, 1970a)

Quadraspidiotus perniciosus (Annecke & Mynhardt, 1970a)

moderatus Howard

Aulacaspis tegalensis (Annecke & Mynhardt, 1970a, under *Adelencyrtus miyarai*; NCI)

odonaspidis Fullaway

Duplachionaspis sansevieriae (NCI)

Undetermined species

Aspidiotus sp. (NCI)

Aulacaspis madiunensis (NCI)

Clavaspis pectinata (NCI)

Dentachionaspis margaritae (NCI)

Ledaspis distincta (NCI)

Odonaspis sp. (NCI)

Rolaspis whitehilli (NCI)

Rolaspis sp. (NCI)

Separaspis capensis (NCI)

Scleromytilus lithothrix (NCI)

Genus ADENCYRTUS PRINSLOO

Hosts: Hemiptera, Kerridae

afer Prinsloo

Tachardina affluens (Prinsloo, 1977)

Tachardina africana (Prinsloo, 1977)

Tachardina gripha (Prinsloo, 1977)

Tachardina sp. (Prinsloo, 1977)

callainus Prinsloo

Tachardina affluens (Prinsloo, 1977)

Tachardina africana (Prinsloo, 1977)

Tachardina minor (Prinsloo, 1977)

Tachardina sp. (Prinsloo, 1977)

pictus Prinsloo

Tachardina actinella (Prinsloo, 1977)

Tachardina affluens (Prinsloo, 1977)

Tachardina albida (Prinsloo, 1977)

Tachardina minor (Prinsloo, 1977)

Tachardina sp. (Prinsloo, 1977)

Genus AENASIUS WALKER

Hosts: Hemiptera, Pseudococcidae

advena Compere

Ferrisia virgata (Prinsloo & Annecke, 1979)

Genus AETHOGNATHUS SILVESTRI

Hosts: Hemiptera, Coccidae and Stictococcidae

afer Silverstri

Stictococcidae: *Stictococcus multispinosus* (Silverstri, 1915b; Ghesquière, 1960)

bicolor Subba Rao

Stictococcidae: *Stictococcus multispinosus* (Subba Rao, 1973a)

cavilabris Waterston

Stictococcidae: *Stictococcus multispinosus* (Waterston, 1917a, under *Aethoghanthus* (*afer* var *cavilabris*; Ghesquière, 1960)

Stictococcus sp. (Ghesquière, 1960)

Coccidae: *Saissetia* ? *coffae* (Ghesquière, 1960)

Saissetia ? *oleae* (Ghesquière, 1960)

Saissetia sp. (Ghesquière, 1960)

unicolor Subba Rao

Stictococcidae: *Stictococcus gowdeyi* (Subba Rao, 1973a)

Stictococcus multispinosus (Subba Rao, 1973a)

Genus ALAMELLA AGARWAL

Hosts: Hemiptera, Pseudococcidae

kerrichi Annecke

Nipaecoccus vastator (Annecke, 1969)

Paracoccus burnerae (Annecke, 1969)

Genus ALLENCYRTUS ANNECKE & MYNHARDT

Hosts: Hemiptera, Aclerididae

monomorphus Annecke & Mynhardt

Rhodesaclerda sp. (Annecke & Mynhardt, 1973)

Genus **ALLOCERELLUS** SILVESTRI

Hosts: Hemiptera, Pseudococcidae

bizonatus Annecke & Mynhardt

Undetermined Pseudococcidae (NCI)

orestes Annecke & Mynhardt

Sphaerococcus durus (Annecke & Mynhardt, 1970c)

venustus Annecke & Mynhardt

Diversicrus longulus (NCI)

Undetermined Pseudococcidae (Annecke & Mynhardt, 1970c)

vittatus Annecke & Mynhardt

Oxyacanthus chrysocomae (Annecke & Mynhardt, 1970c)

Undetermined Pseudococcidae (NCI)

zonatus Annecke & Mynhardt

Undetermined Pseudococcidae (Annecke & Mynhardt, 1970c)

Undetermined species

Distichlicoccus sp. (NCI)

Octococcus sp. (NCI)

Genus **ALOENCYRTUS** PRINSLOO

Hosts: Hemiptera, Coccidae

angustifrons (Annecke)

Gascardia ? *brevicauda* (Annecke, 1964b, under *Coccidoxenus*)

claripennis (Compere)

Inglisia conchiformis (Compere, 1938, under *Coccidoxenus*)

coelops (Waterston)

Waxiella mimosae (Waterston, 1917b, under *Coccidoxenus*)

dellotoi (Annecke)

Saissetia opulenta (Annecke, 1964b, under *Coccidoxenus*)

diaphorocerus (Masi)

Saissetia coffeae (Kerrich, 1967, under *Coccidoxenus*; Williams, 1980, under *Euryrophalus*)

distinguendus (Waterston)

Coccus subhemisphaericus (Waterston, 1917a, under *Coccidoxenus*)

Lecanium sp. (Waterston, 1917a, under *Coccidoxenus*)

facetus (Annecke)

Gascardia ? *longicauda* (Annecke, 1964b, under *Coccidoxenus*)

ingens (Annecke)

Gascardia destructor (Annecke, 1964b, under *Coccidoxenus*)

Waxiella mimosae (Annecke, 1964b, under *Coccidoxenus*)

nativus (Annecke)

Coccus longulus (Annecke, 1964b, under *Coccidoxenus*)

niloticus (Compere)

Saissetia oleae (Compere, 1940a, under *Coccidoxenus*)

obscuratus (Waterston)

Saissetia somereni (Waterston, 1917b, under *Coccidoxenus*)

saissetiae (Compere)

Ceroplastes sp. (Prinsloo, 1981a)

Coccus sp. (Compere, 1940a, under *Microterys*)

Cryptinglisia lounsburyi (Prinsloo, 1981a)

Parasaissetia nigra (Compere, 1939a, under *Microterys*)

Saissetia ? *chimanimanae* (Prinsloo, 1981a)

Saissetia ? *jocunda* (Prinsloo, 1981a)

Saissetia oleae (Compere, 1940a, under *Microterys*)

Saissetia ? *oleae* (Prinsloo, 1981a)

Saissetia persimilis (Compere, 1940a, under *Microterys*)

Saissetia somereni (Prinsloo, 1981a)

ugandensis (Compere)

Gascardia destructor (Compere, 1937, under *Coccidoxenus*)

umbrinus (Compere)

Ceroplastes sp. (Compere, 1939, under *Microterys*)

Gascardia brevicauda (Crowe, 1962, under *Microterys*)

Gascardia destructor (Compere, 1939, under *Microterys*)

utilis (Annecke)

Saissetia oleae (Annecke, 1964b, under *Coccidoxenus*)

vitripennis (Annecke)

Coccus ? *ehretiae* (Annecke, 1964b, under *Coccidoxenus*)

Undetermined species

Ceroplastes sp. (NCI)

Gascardia destructor (NCI)

Genus **AMIRA** GIRAULT

Hosts: Arachnida, Nephilidae (egg sac)

durantae (Risbec)

Nephila inaurata madagascarensis (Noyes, 1977)

Undetermined spider eggs (Risbec, 1958, under *Eucomys*)

Genus **ANAGYRUS** HOWARD

Hosts: Hemiptera, Pseudococcidae

abyssinicus Compere

Planococcus citri (Donald, 1956)

Pseudococcus sp. (Compere, 1939)

amoenus Compere
Pseudococcus bingervillensis (Risbec, 1955b)
Pseudococcus sp. (Compere, 1939)

aurantifrons Compere
Pseudococcus sp. (Compere, 1926)

bambeyi Risbec
Pseudococcus sp. (Risbec, 1951)

beneficians Compere
Planococcoides njalensis (Donald, 1956)
Planococcus citri (Donald, 1956)
Planococcus kenyae (Compere, 1943)

bugandaensis Compere
Planococcus kenyae (Compere, 1939)
Pseudococcus bingervillensis (Risbec, 1955b)

kivuensis Compere
Planococcoides njalensis (Posnette & Strickland, 1949; Risbec, 1955b)
Pseudococcus sp. (Compere, 1939; Risbec, 1951)

niger Compere
Pseudococcus sp. (Compere, 1939)

nigrescens Compere
Pseudococcus sp. (Compere, 1939)

pseudococci (Girault)
Planococcus citri (NCI, introduced into South Africa from Israel)

pullus Compere
Planococcoides njalensis (Posnette & Strickland, 1949)
Pseudococcus sp. (Compere, 1939)

saccharicola Timberlake
Saccharicoccus sacchari (Williams, 1980)
Undetermined Pseudococcidae (Compere, 1939)

subproximus (Silvestri)
Ferrisia virgata (Risbec, 1951)
Pseudococcus sp. (Silvestri, 1915b, under *Blastothrix*)

Undetermined species
Allococcus quaesitus (NCI)
Allococcus trichiliae (NCI)
Allococcus sp. (NCI)
Coccidohystrix sp. (NCI)
Erium sp. (NCI)
Ferrisia virgata (NCI)
Nipaecoccus graminis (NCI)
Nipaecoccus vastator (NCI)
Octococcus sp. (NCI)
Paracoccus burnerae (NCI)
Pedrococcus sp. (NCI)
Peliococcus sp. (NCI)
Phenacoccus manihoti (Fabres & Matile-Ferrero, 1980; NCI)
Phenacoccus sp. (NCI)
Planococcus citri (NCI)
Planococcus ficus (NCI)
Planococcus lamabokensis (Derron, 1977)
Pseudococcus sp. (NCI)
Spilococcus sp. (NCI)

Trionymus insularis (NCI)

Genus **ANASEMION ANNECKE**

Hosts: Hemiptera, Coccidae

inutile (Compere)
Ceroplastes sp. (Compere, 1937, under *Cerapterocerus*)
Gascardia brevicauda (Crowe, 1962, under *Cerapterocerus*)
Gascardia ? brevicauda (Annecke, 1967a)
Gascardia destructor (Annecke, 1967a)
Gascardia rustica (Annecke, 1967a)
Gascardia sinoiae (Annecke, 1967a)
Gascardia tachardiaformis (NCI)
Waxiella mimosae (Annecke, 1967a)

Genus **ANICETUS HOWARD**

Hosts: Hemiptera, Coccidae

abyssinicus Annecke
Parasaissetia nigra (Annecke, 1967a)

annecke Prinsloo & Mynhardt
Saissetia ? jocunda (Prinsloo & Mynhardt, 1981a)
Saissetia oleae (Prinsloo & Mynhardt, 1981a)
Saissetia ? oleae (Prinsloo & Mynhardt, 1981a)
Saissetia sp. (Prinsloo & Mynhardt, 1981a)

communis Annecke
Coccus longulus (NCI)
Gascardia brevicauda (Annecke, 1967a)
Gascardia destructor (Annecke, 1967a; NCI)
Gascardia sinoiae (Annecke, 1967a)
Parasaissetia litorea (NCI)
Waxiella mimosae (Annecke, 1967a)

parvus Compere
Gascardia brevicauda (Crowe, 1962)
Gascardia destructor (Compere, 1937)
Gascardia quadrilineata (Ghesquière, 1941)

graminosus Annecke
Pulvinaria iceryi (Annecke, 1967a)

Genus **ANTHEMUS HOWARD**

Hosts: Hemiptera, Diaspididae

africaspidis Ghesquière
Africaspis chionaspiformis (Ghesquière, 1950)

Undetermined species
Duplacionaspis eritreana (NCI)
Ledaspis distincta (NCI)
Nelaspis exalbida (NCI)

Genus **APHIDENCYRTUS ASHMEAD**

Hosts: hyperparasitic in Psyllidae and Aphididae (Hemiptera); primary hosts include Encyrtidae and Eulophidae (Hymenoptera)

africanus Gahan

Aphididae: *Aphis gossypii* (NCI)
Lipaphis erysimi (Annecke, 1969)
Melanaphis sacchari (Annecke, 1969; NCI)
Myzus persicae (Annecke, 1969)
Paoliella harteni (NCI)
Schizaphis graminum (Annecke, 1969)
Undetermined Aphididae (Risbec, 1952; 1958;
both under *Aphidencyrthus gompho-*
carpusae)

cassatus Annecke

Encyrtidae: *Psyllaephagus pulvinatus*
(Annecke, 1969)
Eulophidae: *Tetrastichus dryi* (Annecke, 1969)
Psyllidae: *Trioza erytreae* (Annecke, 1969;
Prinsloo, 1981b)

similis Prinsloo

Psyllidae: *Euphalerus marginalis* (Prinsloo,
1981b)

Undetermined species

Aphididae: *Paoliella harteni* (NCI)

Genus **APHYCUS** MAYR

Hosts: Hemiptera, Pseudococcidae

comperei (Annecke)

? *Pedrococcus* sp. (Annecke, 1963a, under
Waterstonia)

Undetermined species

Allococcus ? *quaesitus* (NCI)
Allococcus sp. (NCI)
Erium sp. (NCI)
Octococcus sp. (NCI)
Planococcus ficus (NCI)
Pseudococcus obscurus (NCI)
Sphaerococcus africanus (NCI)
Sphaerococcus durus (NCI)
Spilococcus sp. (NCI)
Vryburgia sp. (NCI)

Genus **APOLEPTOMASTIX** KERRICH

Hosts: Hemiptera, Pseudococcidae

annecke Kerrich

Antonina sp. (Kerrich, 1982)

spoliata Kerrich

Undetermined Pseudococcidae (Kerrich, 1982)

Genus **ARGUTENCYRTUS** PRINSLOO & ANNECKE

Hosts: Hemiptera, Coccidae

luteolus Prinsloo & Annecke

Pulvinaria psidii (Prinsloo & Annecke, 1974)

Genus **ARRHENOPHAGOIDEA** GIRAULT

Hosts: Hemiptera, Diaspididae

chaetacmae Annecke & Prinsloo

Rolaspis chaetachmae (Annecke & Prinsloo,
1974)

neseri Prinsloo

? *Asymmetraspis* sp. (Prinsloo, 1974)

rolaspidis Annecke & Prinsloo

Rolaspis lounsburyi (Annecke & Prinsloo,
1974)

Rolaspis spiculata (Annecke & Prinsloo, 1974)

Rolaspis sp. (Annecke & Prinsloo, 1974)

sierra Annecke & Prinsloo

Versiculaspis sp. (Annecke & Prinsloo, 1974)

Genus **ARRHENOPHAGUS** AURIVILLIUS

Hosts: Hemiptera, Diaspididae

chionaspidis Aurivillius

Aulacaspis tegalensis (Annecke & Prinsloo,
1974)

Parlatoria ziziphi (Risbec, 1951, under
Mymariella parlatoreae)

Pinnaspis strachani (Annecke & Prinsloo,
1974)

Genus **BLEPYRUS** HOWARD

Hosts: Hemiptera, Pseudococcidae

insularis (Cameron)

Ferrisia virgata (Kerrich, 1967; Prinsloo &
Annecke, 1978; NCI)

Genus **BOTHRIOPHRYNE** COMPERE

Hosts: Hemiptera, Coccidae

acaciae (Risbec)

Waxiella mimosae (Risbec, 1951, under
Pteromalomorpha)

ceroplastae Compere

Ceroplastes sp. (Compere, 1937)

Gascardia destructor (Compere, 1937;
Ghesquière, 1941; NCI)

Gascardia quadrilineata (Ghesquière, 1941)

dispar Compere

Ceroplastes sp. (Compere, 1939)

fuscicornis Compere

Ceroplastes sp. (Compere, 1939; NCI)

Gascardia ? *brevicauda* (Annecke, 1963a)

Gascardia destructor (NCI)

Gascardia ? *longicauda* (Annecke, 1963a)

Waxiella mimosae (Annecke, 1963a)

purpurascens Compere

Ceroplastes elytopappi (Prinsloo & Annecke,
1978)

Ceroplastes sp. (Compere, 1939)
Gascardia destructor (Crowe, 1962)
Gascardia rustica (Prinsloo & Annecke, 1978)

velata Prinsloo & Annecke
Ceroplastes sp. (Prinsloo & Annecke, 1978)
Macropulvinaria sp. (Prinsloo & Annecke, 1978)

Genus **CAENOHOMALOPODA**
TACHIKAWA

Hosts: Hemiptera, Diaspididae

shikokuensis (Tachikawa)
Frogatiella penicillata (Prinsloo, 1979a, under
Pseudhomalopoda)

Genus **CARABUNIA** WATERSTON

Hosts: Hemiptera, Cercopidae

gigantica Subba Rao
Ptyelus flavescens (Subba Rao, 1973b)

Genus **CERAPTEROCERUS** WESTWOOD

Hosts: Hyperparasitic in Hemiptera, Coccidae

mirabilis Westwood
Ceroplastes elytrorappi (NCI)
Ceroplastes sp. (NCI)
Coccus hesperidum (Annecke, 1964a)
Gascardia rustica (NCI)

Genus **CERCHYSIUS** WESTWOOD

Hosts: Diptera, Drosophilidae

ugandensis Kerrich
Cacoxenus perspicax (Kerrich, 1954)

Genus **CHEILONEURUS** WESTWOOD

Hosts: hyperparasitic in Apionidae and
Coccinellidae (Coleoptera), Syrphidae
(Diptera), Coccidae, Delphacidae,
Pseudococcidae and Psyllidae
(Hemiptera), Anthophoridae and
Dryinidae (Hymenoptera); primary hosts
include Encyrtidae (Hymenoptera)

afer Waterston
Coccidae: *Macropulvinaria jacksoni*
(Waterston, 1917b)

angustifrons Compere
Coccidae: *Waxiella mimosae* (Compere, 1938)

carinatus Compere
Coccidae: *Saissetia* sp. (Compere, 1938)
Encyrtidae: *Anagyrus* sp. (Donald, 1956)
Homalotylus sp. (Compere, 1938)
Leptomastix bifasciata (Donald, 1956)
Leptomastix dactylopii (Derron, 1977)

Neodiscodes martinii (Donald, 1956)
Pseudococcidae: *Allococcus quaesitus* (NCI)
Nipaeoccus vastator (Compere, 1938)
Planococcoides njalensis (Strickland, 1951;
NCI)
Planococcus citri (Compere, 1938; NCI)
Pseudococcus sp. (Compere, 1938)

cyanonotus Waterston

Apionidae: *Cylas puncticollis* (Risbec, 1951)
Coccidae: *Ceroplastes* sp. (Compere, 1938)
Coccus hesperidum (NCI)
Parasaissetia nigra (Compere, 1938)
Protopulvinaria pyriformis (Compere, 1938)
Pulvinariella mesembryanthemi (Compere, 1938)
Saissetia oleae (Compere, 1938)
Coccinellidae: *Chilocorus cacti* (NCI)
Chilocorus distigma (Compere, 1939)
Chilocorus nigritus (NCI)
Cydonia vicina (Risbec, 1951)
Exochomus flavipes (Risbec, 1951; NCI)
Exochomus flaviventris (NCI)
Encyrtidae: *Homalotylus flaminus* (Fabres &
Matile-Ferrero, 1980)
Pseudococcidae: *Planococcus citri* (Compere,
1938)
Pseudococcus sp. (Compere, 1938)
Psyllidae: *Trioza erytraea* (McDaniel &
Moran, 1972)
Syrphidae: *Ischiodon* sp. (Risbec, 1955a)
Undetermined Syrphidae (Compere, 1938;
Risbec, 1951)

gonatopidis Perkins

Delphacidae: *Dicranotropis mui* (Williams,
1980)
Perkinsiella saccharicida (Williams, 1980)
Dryinidae: *Pseudogonatopoides*
mauritanus (Williams, 1980)

leptulus Annecke & Prinsloo

Anthophoridae: *Ceratina* sp. (Annecke &
Prinsloo, 1977b)

obscurus Silvestri

Coccidae: *Gascardia brevicauda* (Crowe, 1962)
Saissetia oleae (Silvestri, 1915a; Compere, 1938)

orbitalis Compere

Coccidae: *Saissetia oleae* (Compere, 1938)
Coccinellidae: Undetermined species
(Compere, 1938; NCI)
Encyrtidae: *Homalotylus* sp. (Compere, 1938)

Undetermined species

Coccidae: *Coccus hesperidum* (NCI)
Pulvinaria iceryi (Williams, 1980)
Pulvinariella sp. (NCI)
Saissetia sp. (NCI)
Dryinidae: *Paradrynus afer* (Derron, 1977)

Genus **CHRYSOMELECHTHRUS** TRJAPITZIN

Hosts: Coleoptera, Chrysomelidae (eggs)

descampsi (Risbec)

Undetermined Chrysomelidae (Risbec, 1955a,
under *Anusia*)

Genus **CHRYSOPLATYCERUS**
ASHMEAD

Hosts: Hemiptera, Pseudococcidae

splendens (Howard)

Planococcus ficus (Prinsloo, 1981a)
Pseudococcus obscurus (Prinsloo, 1981a)

Genus **CLAUSENIA** ISHII

Hosts: Hemiptera, Pseudococcidae

capensis Annecke & Mynhardt

Undetermined Pseudococcidae (Annecke & Mynhardt, 1970b)

comperei Kerrich

Paracoccus burnerae (Annecke, 1969)

concinna Annecke & Mynhardt

Vryburgia sp. (Annecke & Mynhardt, 1970b)

confusor Kerrich

Planococcoides njalensis (Kerrich, 1967)
Planococcus citri (Kerrich, 1967)

corrugata Kerrich

Pseudococcus concavocerarii (Kerrich, 1967)

guineensis Kerrich

Planococcoides njalensis (Kerrich, 1967)
Planococcus citri (Kerrich, 1967)
Planococcus kenya (Kerrich, 1967)
Planococcus sp. (Kerrich, 1967)

sobrina Annecke & Mynhardt

Octococcus sp. (Annecke & Mynhardt, 1970b)

Undetermined species

Allococcus trichiliae (NCI)
Erium sp. (NCI)
Octococcus pentziae (NCI)
Pseudococcus sp. (NCI)

Genus **COCCIDENCYRTUS** ASHMEAD

Hosts: Hemiptera, Diaspididae

Undetermined species

Diaspis bromeliae (NCI)
Selanaspidus spinosus (NCI)

Genus **COCCOPILATUS** ANNECKE

Hosts: Hemiptera, Kerridae

judithae Annecke

Tachardina ? affluens (Annecke, 1963a)

Genus **COELOPENYRTUS**
TIMBERLAKE

Hosts: Hymenoptera, Anthophoridae and Colletidae (polyembryonic)

callainus Annecke

Anthophoridae: Xylocopa caffra (Annecke, 1968)

Xylocopa flavicollis (Annecke, 1968)

Xylocopa flavorufa (Annecke, 1968)

Xylocopa inconstans (Annecke, 1968)

cyprius Annecke

Anthophoridae: Xylocopa scioensis (Annecke, 1968)

nothylaei Annecke

Colletidae: Hylaeus heraldicus (Annecke, 1968)

Hylaeus sp. (Annecke, 1968)

taylori (Annecke & Doutt)

Anthophoridae: Xylocopa caffra (Annecke, 1968)

Xylocopa flavorufa (Annecke & Doutt, 1961, under *Giraultella*; Annecke, 1968)

watmoughi Annecke

Anthophoridae: Xylocopa flavorufa (Annecke, 1968)

Undetermined species

Anthophoridae: Xylocopa watmoughi (NCI)

Genus **COMPERIELLA** HOWARD

Hosts: Hemiptera, Diaspididae

bifasciata Howard

Aonidiella aurantii (Greathead, 1971; NCI)
Chrysomphalus aonidium (Annecke, 1962a; NCI)

ponticula Prinsloo & Annecke

Clavaspis pituranthi (Prinsloo & Annecke, 1976)

Genus **COPIDOSOMA** RATZEBURG

Hosts: Lepidoptera, Gelechiidae (polyembryonic in larvae)

koehleri Tachikawa

Pthorimaea operculella (Watmough, Broodryk & Annecke, 1973, under *Copidosoma uruguayensis*; Annecke & Mynhardt, 1974)

Genus **DIAPHORENCYRTUS** HAYAT

Hosts: Hemiptera, Psyllidae

Undetermined species

Diaphorina citri (NCI)

Genus **DISCODES** FOERSTER

Hosts: Hemiptera, Eriococcidae

discors Prinsloo & Mynhardt

Eriococcus coccineus (Prinsloo & Mynhardt, 1981a)

? *Eriococcus* sp. (Prinsloo & Mynhardt, 1981a)

Genus **DIVERSINERVUS** SILVESTRI

Hosts: Hemiptera, Coccidae

desantisi Compere

Pulvinaria sp. (Compere, 1931a)

elegans Silvestri

Ceroplastes sp. (Compere, 1931a, under *Diversinervus meridionalis*; Compere, 1937; NCI)

Coccus hesperidum (Annecke, 1964a)

Gascardia brevicauda (Crowe, 1962)

Gascardia destructor (Gurney, 1936; Annecke, 1964a; NCI)

Marsipococcus proteae (Annecke, 1964a; NCI)

Saissetia oleae (Silvestri, 1915a; Compere, 1931a; NCI)

masakaensis Compere

Saissetia oleae (Compere, 1940a)

scutatus Compere

Ceronema sp. (Compere, 1931a)

silvestrii Waterston

Coccus viridis (Waterston, 1917c; Prinsloo, 1981a)

smithi Compere

Saissetia oleae (Compere, 1940a)

Undetermined species

Ceroplastes sp. (NCI)

Coccus hesperidum (NCI)

Ctenochiton sp. (NCI)

Gascardia sp. (NCI)

Saissetia oleae (NCI)

Genus **DOLIPHOCERAS** MERCET

Hosts: Hemiptera, Pseudococcidae

siccus Prinsloo & Annecke

Undetermined Pseudococcidae (Prinsloo & Annecke, 1976)

Genus **ENCYRTUS** LATREILLE

Hosts: Hemiptera, Coccidae

aquilus Prinsloo

Gascardia destructor (Prinsloo, 1982a)

Gascardia sp. (Prinsloo, 1982a)

bedfordi Annecke

Waxiella mimosae (Annecke, 1963a)

decorus Prinsloo & Annecke

Pulvinaria sp. (Prinsloo & Annecke, 1978)

fuliginosus Compere

Saissetia oleae (Compere, 1931b, under

Encyrtus sp.; 1940a)

Saissetia sp. (NCI)

lecaniorum (Mayr)

Coccus hesperidum (Risbec, 1951, under *Cheiloneurus cocci*; Annecke, 1963b; 1964a; NCI)

melas Prinsloo

Gascardia tachardiaformis (Prinsloo, 1982a)

Gascardia sp. (Prinsloo, 1982a)

sacchari Annecke

Pulvinaria elongata (Annecke, 1963a)

Pulvinaria iceryi (Prinsloo & Annecke, 1978)

Pulvinaria sp. (NCI)

saliens Prinsloo & Annecke

Pulvinariella mesembryanthemi (Prinsloo & Annecke, 1978)

Pulvinariella sp. (Prinsloo, 1981a)

tananarivensis (Risbec)

Gascardia madagascariensis (Risbec, 1958)

Undetermined species

Ceroplastes sp. (NCI)

Coccus annecke (NCI)

Coccus hesperidum (NCI)

Coccus longulus (NCI)

Hemilecanium sp. (NCI)

Lichtensia gemina (NCI)

Lichtensia sp. (NCI)

Parasaissetia litorea (NCI)

Saissetia oleae (NCI)

Saissetia sp. (NCI)

Udinia sp. (NCI)

Waxiella mimosae (NCI)

Genus **ERENCYRTUS** MAHDIHASSAN

Hosts: Hemiptera, Kerridae

afer Annecke & Mynhardt

Tachardina sp. (Annecke & Mynhardt, 1970c)

contrarius Prinsloo & Mynhardt

Tachardina sp. (Prinsloo & Mynhardt, 1982)

fuscus Annecke & Mynhardt

Tachardina sp. (Prinsloo, 1981a)

notialis Prinsloo & Mynhardt

Tachardina sp. (Prinsloo & Mynhardt, 1982)

Genus **EXORISTOBIA** ASHMEAD

Hosts: Diptera, Anthomyiidae, Muscidae, Syrphidae and Tachinidae (puparia)

dipterae (Risbec)

Anthomyiidae: *Delia dispar* (Subba Roa, 1970, under *Exoristobia deemingi*)

Muscidae: *Atherigona pulla* (Risbec, 1951, under *Aphycopsis*)

Atherigona sp. (Subba Rao, 1970, under *Exoristobia deemingi*)

Tachinidae: Undetermined species (Subba Rao, 1970, under *Exoristobia deemingi*)

ugandensis Subba Rao
Syrphidae: *Microdon* sp. (Subba Rao, 1970)

Genus **GYRANUSOIDEA** COMPERE

Hosts: Hemiptera, Pseudococcidae

austrina Annecke & Mynhardt

Coccidohystrix sp. (Prinsloo, 1983)
Distichlicoccus sp. (Prinsloo, 1983)

citrina (Compere)

Allococcus *quaesitus* (Prinsloo, 1983)
Ferrisia *virgata* (Compere, 1938, under
Gyranusa)
Planococcus *kenyae* (Compere, 1938, under
Gyranusa)
Paracoccus sp. (Prinsloo, 1983)

dilatata Annecke & Mynhardt

Lenania sp. (Prinsloo, 1983)
Octococcus sp. (Prinsloo, 1983)
? *Octococcus* sp. (Prinsloo, 1983)
Sphaerococcus *africanus* (Prinsloo, 1983)

klugei Prinsloo & Annecke

Allococcus sp. (Prinsloo & Annecke, 1976)

litura Prinsloo

? *Allococcus* sp. (Prinsloo, 1983)
? *Paracoccus* *burnerae* (Prinsloo, 1983)
Pseudococcus *longispinus* (Prinsloo, 1983)

munda Annecke

Nipaecoccus *vastator* (Annecke, 1969)
Paracoccus *burnerae* (Annecke, 1969)

separata Prinsloo

Undetermined Pseudococcidae (Prinsloo,
1983)

signata Annecke & Mynhardt

Coccidohystrix *insolita* (Prinsloo, 1981a)
Coccidohystrix sp. (Prinsloo, 1981a; 1983)
? *Spinococcus* sp. (Prinsloo, 1983)

Genus **HABROLEPIS** FOERSTER

Hosts: Hemiptera, Diaspididae and Asterolecaniidae (all hosts below belong to the Diaspididae except where mentioned otherwise)

algoensis Annecke & Mynhardt

Aspidiotus *capensis* (Annecke & Mynhardt,
1970a)

apicalis Waterston

Chionaspis *minor* (Waterston, 1917a)

aspidioti Compere & Annecke

Chionaspis sp. (Annecke & Mynhardt, 1970a)
Chrysomphalus *aonidium* (Annecke &
Mynhardt, 1970a)
Pudaspis *newsteadii* (Annecke & Mynhardt,
1970a)
Quadraspidotus *perniciosus* (Compere &
Annecke, 1961)
Selanaspidus *celastri* (Annecke & Mynhardt,

1970a)

Selanaspidus *pertusus* (Annecke & Mynhardt,
1970a)

Tecaspis *visci* (Annecke & Mynhardt, 1970a)

dalmani (Westwood)

Asterolecaniidae: *Asterolecanium* *variolosum*
(Annecke & Mynhardt, 1970a)

diaspidi (Risbec)

Umbaspis *regularis* (Risbec, 1951, under
Anabrolepis)

guineensis Ferrière

Duplaspidotus *pavettae* (Ferrière, 1953)

namibensis Prinsloo & Annecke

Namaquea *simplex* (Prinsloo & Annecke,
1976)

obscura Compere & Annecke

Africaspis *chionaspiformis* (Annecke &
Mynhardt, 1970a)

Aonidiella *orientalis* (Prinsloo & Annecke,
1978)

Chionaspis sp. (Compere & Annecke, 1961)

Ledaspis *distincta* (Annecke & Mynhardt,
1970a)

Lindingaspis *rossi* (Annecke & Mynhardt,
1970a)

Melanaspis *corticosa* (Annecke & Mynhardt,
1970a)

Quadraspidotus *perniciosus* (Annecke &
Mynhardt, 1970a)

Separaspis *capensis* (Annecke & Mynhardt,
1970a)

occidua Annecke & Mynhardt

Melanaspis *phenax* (Annecke & Mynhardt,
1970a)

Pseudotargionia *damara* (Annecke &
Mynhardt, 1970a)

Pseudotargionia *glandulosa* (Annecke &
Mynhardt, 1970a)

oppugnati Silvestri

Aspidiotus *elaeidis* (Silverstri, 1915a)

rouxi Compere

Aonidiella *aurantii* (Compere, 1936; Annecke
& Mynhardt, 1970a)

Chrysomphalus *aonidium* (Annecke &
Mynhardt, 1970a)

setigera Annecke & Mynhardt

Lindingaspis *greeni* (Annecke & Mynhardt,
1970a)

Undetermined species

Aspidiotus *atomarius* (NCI)

Dentachionaspis *margaritae* (NCI)

Di clavaspis *ehrethiae* (NCI)

Fulaspis *monoloba* (NCI)

Lepidosaphes *beckii* (NCI)

Melanaspis *pedina* (NCI)

Neoselanaspidus *silvaticus* (NCI)

Separaspis *proteae* (NCI)

Spinaspidotus *fissidens* (NCI)

Genus **HELEGONATOPUS** PERKINS

Hosts: Hymenoptera, Dryinidae

saotomensis Prinsloo

Paradrynus afer (Derron, 1977)

Undetermined Dryinidae (Prinsloo, 1979a)

Genus **HESPERENCYRTUS** ANNECKE

Hosts: Lepidoptera, Lycaenidae (pupae)

lycoenephila (Risbec)

Deodorix antalus (Risbec, 1951, under
Paraphaenodiscus)

Undetermined Lepidoptera (NCI)

Genus **HOMALOTYLOIDEA** MERCET

Hosts: Coleoptera, Discolombidae

africanus Hill

Notiophygus piger (Hill, 1973)

Genus **HOMALOTYLUS** MAYR

Hosts: Coleoptera, Coccinellidae (larvae)

africanus Timberlake

Exochomus concavus (NCI)

Hyperaspis sp. (NCI)

Lindorus lophanthae (NCI)

flaminus (Dalman)

Cheilomenes propingua (NCI)

Exochomus concavus (Fabres & Matile-
Ferrero, 1980)

Exochomus flaviventris (Fabres & Matile-
Ferrero, 1980)

Henosepilachna bifasciata (Risbec, 1951)

Hyperaspis senegalensis (Fabres & Matile-
Ferrero, 1980)

Lioadalia flavomaculata (NCI)

Platynaspis sp. (Risbec, 1951)

Scymnus sp. (Risbec, 1955a)

vicinus Silvestri

Nephus vetustus (Silvestri, 1915a)

Undetermined species

Exochomus sp. (NCI)

Scymnus moreletii (NCI)

Scymnus ornatulus (NCI)

Genus **HUNTERELLUS** HOWARD

Hosts: Acarina, Ixodidae (nymphs)

hookeri Howard

Amblyomma tholloni (Fiedler, 1953)

Hyalomma sp. (Cooley, 1934)

Rhipicephalus appendiculatus (Cooley, 1934)

Rhipicephalus evertsi (Cooley, 1934)

Rhipicephalus oculatus (Cooley, 1934; NCI)

Rhipicephalus sanguineus (Howard & Fiske,
1911; Risbec, 1951, under *Habrolepis*
caniphila; Fiedler, 1953; NCI)

theileri Fiedler

Hyalomma marginatum rufipes (NCI)

Hyalomma truncatum (Fiedler, 1953; NCI)

Rhipicephalus oculatus (Fiedler, 1953; NCI)

Genus **INSLEYIA**
PRINSLOO & ANNECKE

Hosts: Hemiptera, Pseudococcidae

crassa Prinsloo & Annecke

Oxyacanthus chrysocomae (Prinsloo &
Annecke, 1979)

Genus **ISODROMUS** HOWARD

Hosts: Neuroptera, Chrysopidae (nymphs)

timberlakei Annecke

Chrysopa sp. (NCI)

Undetermined Chrysopidae (Annecke, 1963a)

Genus **LACCACIDA** PRINSLOO

Hosts: Hemiptera, Kerridae

lacunata Prinsloo

Tachardina affluens (Prinsloo, 1977)

Tachardina africana (Prinsloo, 1977)

Tachardina sp. (Prinsloo, 1977)

Genus **LEPTOMASTIDEA** MERCET

Hosts: Hemiptera, Pseudococcidae

abnormis (Girault)

Ferrisia virgata (Strickland, 1951)

Planococcoides njalensis (NCI)

Planococcus citri (NCI)

Planococcus ficus (Joubert, 1943; NCI)

jeanneli Mercet

Planococcus kenyae (Compere, 1939)

Pseudococcus sp. (Compere, 1939)

Undetermined species

Octococcus sp. (NCI)

Phenacoccus stelli (NCI)

Genus **LEPTOMASTIX** FOERSTER

Hosts: Hemiptera, Pseudococcidae

abyssinica Compere

Planococcus ? *citri* (Compere, 1931d)

bifasciata Compere

Ferrisia virgata (Donald, 1956)

Phenacoccus madeirensis (Donald, 1956)

Planococcoides njalensis (Strickland, 1951;
Donald, 1956)

Planococcus citri (Strickland, 1951)

Planococcus kenyae (Greathead, 1971)
Pseudococcus concavocerarii (Donald, 1956)
Pseudococcus hargraevesi (Donald, 1956)
Pseudococcus sp. (Compere, 1938)

dactylopii Howard
Planococcoides njalensis (NCI)
Planococcus citri (NCI)
Planococcus ficus (NCI)
Planococcus lamabokensis (Derron, 1977)

flava Mercet
Pseudococcus sp. (Risbec, 1951)

hibiscusae Risbec
Pseudococcus sp. (Risbec, 1958)

longipennis Mercet
Ferrisia virgata (Risbec, 1951; 1955a)
Planococcoides njalensis (Risbec, 1951)
Planococcus citri (Risbec, 1951)

nigra Compere
Paracoccus burnerae (Prinsloo, 1981a)
Pseudococcus sp. (Compere, 1938)

nigrocoxalis Compere
Nipaecoccus graminis (Prinsloo, 1981a)
Pseudococcus sp. (Compere, 1928; Risbec, 1958)

pauliani Risbec
Pseudococcus sp. (Risbec, 1957)

superba Silvestri
Pseudococcus sp. (Silvestri, 1915b)

Undetermined species
Nipaecoccus vastator (NCI)
Octococcus ? minor (NCI)
Octococcus pentziae (NCI)
Planococcus sp. (NCI)
Pseudococcus longispinus (NCI)
Pseudococcus ociduus (NCI)
Pseudococcus sp. (NCI)
Spilococcus sp. (NCI)

Genus **LITOMASTIX** THOMSON

Hosts: Lepidoptera, Gelechiidae and Noctuidae (polyembryonic in larvae)

delattrei Ghesquière
Noctuidae: undetermined species (Ghesquière, 1948)

phytometae (Risbec)
Noctuidae: *Phytometra* sp. (Risbec, 1951, under *Paralitomastix*)
Plusia sp. (Risbec, 1952, under *Paralitomastix*)

Undetermined species
Gelechiidae: *Dicranucha serialis* (NCI)
Noctuidae: *Chrysodeixis acuta* (NCI)
Ctenoplusia limbirena (NCI)
Heliothis armigera (NCI)
Plusia sp. (NCI)

Genus **LOMBITSIKALA** RISBEC

Hosts: Hemiptera, Coccidae

coccidivora Risbec
Gascardia madagascariensis (Risbec, 1957)

Genus **MAYRENCYRTUS** HINKS

Hosts: Hemiptera, Lecaniodiaspididae

armillatus Annecke
Lecaniodiaspis tarsalis (Annecke, 1969)

Genus **MAYRIDIA** MERCET

Hosts: Hemiptera, Acleridae

arida Prinsloo & Annecke
Aclerda namibensis (Prinsloo & Annecke, 1976)

Genus **METAPHAENODISCUS** MERCET

Hosts: Hemiptera, Pseudococcidae

capensis Annecke
Undetermined Pseudococcidae (Annecke, 1974)

Genus **METAPHYCUS** MERCET

Hosts: Hemiptera, Asterolecaniidae, Cerococcidae, Coccidae, Diaspididae, Kerridae and Lecaniodiaspididae

africanus Compere
Coccidae: *Ceroplastes* sp. (Annecke & Mynhardt, 1981)
Coccus aethiopicus (Annecke & Mynhardt, 1981)
Parasaissetia nigra (Annecke & Mynhardt, 1981)
? *Pulvinaria* sp. (Annecke & Mynhardt, 1981)
Saissetia oleae (Annecke & Mynhardt, 1981)
Kerridae: *Tachardina albida* (Annecke & Mynhardt, 1981)

agrestis Annecke & Mynhardt
Coccidae: *Ceroplastes* sp. (Annecke & Mynhardt, 1972)

alberti (Howard)
Coccidae: *Ceroplastes* sp. (Annecke & Mynhardt, 1981)
Coccus hesperidum (Annecke, 1964a)

- albiventris* Compere
Coccidae: ? *Ceroplastes* sp. (Compere, 1940b)
- aloinus* Annecke & Mynhardt
Diaspididae: *Selanaspis* sp. (Annecke & Mynhardt, 1981)
Separaspis capensis (Annecke & Mynhardt, 1981)
- amblydentis* Annecke & Mynhardt
Coccidae: *Cissococcus fulleri* (Annecke & Mynhardt, 1981)
- amiculus* Annecke & Mynhardt
Coccidae: *Waxiella mimosae* (Annecke & Mynhardt, 1981)
- aquilus* Annecke & Mynhardt
Coccidae: *Ceroplastes elytopappi* (Annecke & Mynhardt, 1981)
Cecropiales sp. (Annecke & Mynhardt, 1981)
Cryptinglisia elytopappi (Annecke & Mynhardt, 1981)
Gascardia ? *deceptrix* (Annecke & Mynhardt, 1981)
Idiosaissetia peringueyi (Annecke & Mynhardt, 1981)
Marsipococcus sp. (Annecke & Mynhardt, 1981)
Kerridae: *Tachardina* sp. (Annecke & Mynhardt, 1981)
- asparagi* Annecke & Mynhardt
Diaspididae: *Duplachionaspis* sp. (Annecke & Mynhardt, 1981)
- aspidiotinorum* Compere
Diaspididae: *Dentachionaspis margaritae* (Compere, 1940b)
Entaspidiotus lounsburyi (Compere, 1940b; Annecke & Mynhardt, 1981)
- bartletti* Annecke & Mynhardt
Coccidae: *Saissetia oleae* (Annecke & Mynhardt, 1972; NCI)
- bicolor* Annecke & Mynhardt
Diaspididae: undetermined Diaspididae (Annecke & Mynhardt, 1981)
- brochus* Annecke & Mynhardt
Coccidae: *Cissococcus fulleri* (Annecke & Mynhardt, 1981)
- capensis* Annecke & Mynhardt
Coccidae: *Cerostegia rufa* (Annecke & Mynhardt, 1971)
Ceroplastes sp. (Annecke & Mynhardt, 1971)
Gascardia tachardiaformis (Annecke & Mynhardt, 1971)
- cerinus* Compere
Coccidae: *Lichtensia carissae* (Compere, 1940b)
Lichtensia chilianthi (Annecke & Mynhardt, 1981)
Lichtensia near *chilianthi* (Annecke & Mynhardt, 1981)
Lichtensia sp. (Annecke & Mynhardt, 1981)
Macropulvinaria jacksoni (Annecke & Mynhardt, 1981)
- Macropulvinaria* sp. (Annecke & Mynhardt, 1981)
? *Pulvinaria* sp. (Annecke & Mynhardt, 1981)
- chionaspidi* (Risbec)
Diaspididae: *Umbaspis regularis* (Risbec, 1951, under *Aenasioidea*)
- citer* Annecke & Mynhardt
Coccidae: *Lichtensia* sp. (NCI)
Saissetia sp. (NCI)
- citricola* Annecke & Mynhardt
Coccidae: *Coccus africanus* (NCI)
Pulvinaria aethiopica (Annecke & Mynhardt, 1971)
Saissetia sp. (Annecke & Mynhardt, 1971)
- citrinus* Compere
Coccidae: *Saissetia oleae* (Compere, 1957; Annecke & Mynhardt, 1981)
- confusus* Compere
Coccidae: *Ceroplastes* sp. (NCI)
- decorus* Annecke & Mynhardt
Coccidae: *Ceroplastes* sp. (Annecke & Mynhardt, 1972)
- decussatus* Annecke & Prinsloo
Coccidae: *Pulvinaria iceryi* (Annecke & Prinsloo, 1977a; Williams, 1980)
- distentus* Annecke & Mynhardt
Coccidae: *Ctenochiton arborescens* (Annecke & Mynhardt, 1981)
- doratus* Annecke & Mynhardt
Coccidae: *Saissetia* sp. (Annecke & Mynhardt, 1981)
- eurhinus* Annecke & Mynhardt
Diaspididae: *Aspidiotus nerii* (Annecke & Mynhardt, 1981)
- eurycarus* Annecke & Mynhardt
Kerridae: *Tachardina* sp. (Annecke & Mynhardt, 1972)
- ferinus* Annecke & Mynhardt
Coccidae: *Ceroplastes elytopappi* (Annecke & Mynhardt, 1972)
Gascardia ? *tachardiaformis* (Annecke & Mynhardt, 1972)
- ferrierei* Compere
Coccidae: *Ceroplastes* sp. (Compere, 1940b)
Gascardia destructor (Annecke & Insley, 1971b)
Gascardia sp. (NCI)
- funicularis* Annecke
Coccidae: *Pulvinariella mesembryanthemi* (Annecke, 1965; NCI)
Pulvinariella sp. (Annecke & Mynhardt, 1971; NCI)
- fuscicornis* Compere
Coccidae: *Inglisia* sp. (Compere, 1928)
- galbus* Annecke
Coccidae: *Ceroplastes* sp. (Annecke & Mynhardt, 1981)

- Coccus hesperidum* (Annecke, 1964a; Annecke & Mynhardt, 1981)
Macropulvinaria jacksoni (Annecke & Mynhardt, 1981)
Protapulvinaria pyriformis (Annecke & Mynhardt, 1981)
Saissetia coffeae (Annecke, 1964a)
Saissetia sp. (Annecke & Mynhardt, 1981)
- gilvus* Compere
Coccidae: *Saissetia oleae* (Compere, 1957; Annecke & Mynhardt, 1981)
- graminis* Annecke & Mynhardt
Diaspididae: Undetermined Diaspididae (Annecke & Mynhardt, 1981)
- helvolus* Compere
Coccidae: *Ceroplastes* sp. (Annecke, 1964a; Annecke & Mynhardt, 1981)
Coccus aethiopicus (Annecke, 1964a; Annecke & Mynhardt, 1981)
Coccus hesperidum (Annecke, 1963a; 1964a; Annecke & Mynhardt, 1981)
Marsipococcus proteae (Annecke, 1964a; Annecke & Mynhardt, 1981)
Parasaissetia litorea (Annecke & Mynhardt, 1981)
Parasaissetia ? *nigra* (Annecke, 1964a)
Parasaissetia sp. (Annecke & Mynhardt, 1981)
Pulvinaria aethiopica (Annecke & Mynhardt, 1981)
Pulvinaria sp. (Annecke & Mynhardt, 1981)
Pulviniella mesembryanthemi (Annecke & Mynhardt, 1981)
Saissetia coffeae (Annecke, 1964a; Annecke & Mynhardt, 1981)
Saissetia nigrella (Annecke & Mynhardt, 1981)
Saissetia oleae (Annecke & Mynhardt, 1981)
Saissetia ? *oleae* (Compere, 1926, under *Aphycus*)
Saissetia somereni (Annecke & Mynhardt, 1981)
Saissetia sp. (Annecke & Mynhardt, 1981)
- hemilecanii* Compere
Asterolecaniidae: *Asterolecanium stentae* (NCI)
Asterolecanium sp. (Compere, 1940b)
Cerococcidae: *Cerococcus* sp. (NCI)
Coccidae: *Hemilecanium* sp. (Compere, 1940b)
Lecaniodiaspididae: *Lecaniodiaspis brabei* (NCI)
- heynsi* Annecke & Mynhardt
Asterolecaniidae: *Asterolecanium* sp. (Annecke & Mynhardt, 1971)
Kerridae: *Tachardina* sp. (Annecke & Mynhardt, 1971)
- insleyae* Annecke & Mynhardt
Asterolecaniidae: *Asterolecanium* sp. (Annecke & Mynhardt, 1971)
- insularis* Annecke & Mynhardt
Coccidae: *Pulvinaria iceryi* (Annecke & Mynhardt, 1981)
- inviscus* Compere
Coccidae: *Saissetia oleae* (Compere, 1940b; NCI)
Saissetia sp. (NCI)
- latifrons* Annecke & Mynhardt
Coccidae: *Marsipococcus proteae* (Annecke & Mynhardt, 1971)
Marsipococcus sp. (NCI)
Saissetia sp. (Annecke & Mynhardt, 1971)
- lepellei* Compere
Coccidae: *Coccus subhemisphaericus* (Compere, 1940b)
- limuruensis* Compere
Coccidae: *Ceroplastes* sp. (Compere, 1940b)
- lineascapus* Compere
Coccidae: *Ceroplastes* sp. (Compere, 1940b; Annecke & Mynhardt, 1971)
Waxiella mimosae (Annecke & Mynhardt, 1971)
- lounsburyi* (Howard)
Coccidae: *Saissetia oleae* (Howard, 1898, under *Aphycus*; Compere, 1931b; NCI)
Saissetia sp. (NCI)
Waxiella mimosae (Risbec, 1951)
- natalensis* Compere
Coccidae: *Saissetia* ? *oleae* (Smith & Compere, 1928)
Saissetia sp. (Annecke & Mynhardt, 1971)
- neseri* Annecke & Mynhardt
Coccidae: *Parasaissetia* sp. (NCI)
Saissetia nigrella (Annecke & Mynhardt, 1979; NCI)
Saissetia somereni (NCI)
Saissetia sp. (NCI)
- nigripectus* Annecke & Mynhardt
Diaspididae: *Aspidiotus* sp. (Annecke & Mynhardt, 1981)
Dynaspidiotus *andersoni* (Annecke & Mynhardt, 1981)
- nigritulus* Annecke & Mynhardt
Coccidae: ? *Lichtensia* sp. (Annecke & Mynhardt, 1981)
- obtusus* Compere
Coccidae: *Saissetia coffeae* (NCI)
Saissetia somereni (NCI)
Saissetia sp. (Compere, 1940b)
- oreius* Annecke & Mynhardt
Kerridae: *Tachardina actinella* (Annecke & Mynhardt, 1972)
Tachardina sp. (Annecke & Mynhardt, 1972)
- praevidens* (Silvestri)
Coccidae: *Lichtensia chrysophyllae* (Silvestri, 1915a, under *Aphycus*)
- prinslooi* Annecke & Mynhardt
Coccidae: *Coccus* sp. (Annecke & Mynhardt, 1981)
- proteae* Annecke & Mynhardt
Coccidae: *Marsipococcus proteae* (Annecke

- & Mynhardt, 1971)
- saissetiae* Annecke & Mynhardt
Coccidae: *Saissetia* ? *oleae* (Annecke & Mynhardt, 1981)
- scitulus* Annecke & Mynhardt
Diaspididae: *Aulacaspis tegalensis* (Annecke & Mynhardt, 1981)
- sigillatus* Annecke & Mynhardt
Diaspididae: *Diaspis subregularis* (Annecke & Mynhardt, 1981)
- solatus* Annecke & Mynhardt
Coccidae: *Ceroplastes* sp. (Annecke & Mynhardt, 1971)
Gascardia destructor (Annecke & Mynhardt, 1971)
Gascardia rustica (Annecke & Mynhardt, 1971)
- stanleyi* Compere
Coccidae: *Coccus hesperidum* (Compere, 1940b; Annecke, 1963b; 1964a; Annecke & Mynhardt, 1979)
Coccus subhemisphaericus (Compere, 1940b)
Gascardia brevicauda (Annecke, 1964a)
Lichtensia chilianthi (Annecke & Mynhardt, 1979)
Parasaissetia nigra (Compere, 1940b; Annecke & Mynhardt, 1972)
Parasaissetia sp. (Annecke & Mynhardt, 1979)
Protospulvinaria pyriformis (Annecke, 1964a; Annecke & Mynhardt, 1972)
Pulvinariella mesembryanthemi (Annecke & Mynhardt, 1972)
Saissetia coffeae (Annecke & Mynhardt, 1972)
Saissetia nigrella (Annecke & Mynhardt, 1972)
Saissetia oleae (Compere, 1940b; Annecke & Mynhardt, 1979)
Saissetia somereni (Annecke, 1964; Annecke & Mynhardt, 1979)
Saissetia sp. (Annecke & Mynhardt, 1972; 1979)
- stramineus* Compere
Coccidae: *Pulvinariella mesembryanthemi* (Compere, 1940b; Annecke & Mynhardt, 1981)
Saissetia oleae (Compere, 1940b)
Diaspididae: *Dentachionaspis margaritae* (Compere, 1940b)
- swirskii* Annecke & Mynhardt
Coccidae: *Saissetia* ? *coffeae* (Annecke & Mynhardt, 1979)
Saissetia somereni (Annecke & Mynhardt, 1979)
- sylvaticus* Annecke & Mynhardt
Coccidae: *Ceroplastes berliniae* (Annecke & Mynhardt, 1972)
- tachardinae* Annecke & Mynhardt
Kerridae: *Tachardina actinella* (Annecke & Mynhardt, 1972)
Tachardina minor (Annecke & Mynhardt, 1972)
- Tachardina* sp. (Annecke & Mynhardt, 1972)
- truncatus* Compere
Coccidae: *Macropulvinaria jacksoni* (Compere, 1940b)
- ustulatus* Annecke & Mynhardt
Diaspididae: *Clavaspis pituranthi* (Annecke & Mynhardt, 1981)
Undetermined Diaspididae (Annecke & Mynhardt, 1981)
- utibilis* Annecke & Mynhardt
Coccidae: *Gascardia* ? *brevicauda* (Annecke & Mynhardt, 1971)
- vanderplanki* Annecke & Mynhardt
Coccidae: *Gascardia destructor* (Annecke & Mynhardt, 1972)
- xanthulus* Annecke & Mynhardt
Diaspididae: Undetermined species (Annecke & Mynhardt, 1981)
- Undetermined species (all species listed below represent NCI records)
- Coccidae: *Ceronema africanum*
Ceroplastes elytropappi
Ceroplastes sp.
Cerostegia rufa
Cissococcus fulleri
Coccus annecke
Coccus hesperidum
Coccus longulus
Ctenochiton sp.
Lagosinia strachani
Marsipococcus proteae
Messinea plana
Parasaissetia litorea
Parasaissetia nigra
Pulvinaria rhoicina
Saissetia ? *chimanimanae*
Saissetia coffeae
Saissetia sp.
Waxiella mimosae
Diaspididae: *Aonidia rhusae*
Aspidiotus nerii
Clavaspis pectinata
Duplacionaspis natalensis
Entaspidiotus lounsburyi
Ledaspis distincta
Nelaspis exalbida
Rolaspis lounsburyi
Rolaspis spiculata
Selanaspis articulatus
Kerridae: *Tachardina albida*
Tachardina digitata
Tachardina sp.
Lecaniodiaspididae: *Lecaniodiaspis* ? *erica*
Lecaniodiaspis sp.
- Genus **MICROTERYS THOMSON**
- Hosts: Hemiptera, Coccidae
- annecke* Prinsloo
Lichtensia sp. (Prinsloo, 1975)

Parasaissetia litorea (Prinsloo, 1975; 1981a; NCI)
Saissetia sp. (Prinsloo, 1975)

bizanensis Compere
Ceronema sp. (Prinsloo, 1975)
Parasaissetia nigra (Compere, 1939; Prinsloo, 1975; NCI)

ceroplastis Prinsloo
Ceroplastes sp. (Prinsloo, 1975)
Gascardia destructor (Prinsloo, 1975)

flavus (Howard)
Coccus hesperidum (Annecke, 1964a; NCI)
Gascardia sp. (NCI)

haroldi Prinsloo & Rosen
Messinea plana (Prinsloo & Rosen, 1975)

kenyaensis Compere
Ceroplastes sp. (Prinsloo, 1975)
Coccus hesperidum (Prinsloo, 1975)
Saissetia oleae (Prinsloo, 1975)
Saissetia sp. (Prinsloo, 1975)

nicholsoni Compere
Coccus hesperidum (Compere, 1939)
Gascardia destructor (Prinsloo, 1975)
Parasaissetia nigra (Annecke, 1964a; Prinsloo, 1975; NCI)
Saissetia oleae (Compere, 1939)
Saissetia somereni (Prinsloo, 1975)
Saissetia sp. (Prinsloo, 1975)

Genus **NEOCLADIA** PERKINS

Hosts: Hemiptera, Cicadellidae (nymphs)

tibialis Annecke
Batrachomorpha capeneri (Annecke, 1965)

Genus **NEOCOCCIDENCYRTUS** COMPERE

Hosts: Hemiptera, Diaspididae

poutiersi (Mercet)
Furchadiaspis zamiae (NCI)
pudaspidis (Annecke)
Pudaspis newsteadi (Annecke, 1963a, under *Microterys*)

Genus **NEODISCODES** COMPERE

Hosts: Hemiptera, Pseudococcidae

abengouroui (Risbec)
Planococcoides njalensis (Risbec, 1951, under *Coccophoctonus*; Kerrich, 1967)
comperei Kerrich
Allococcus quaesitus (Kerrich, 1967)
Pseudococcus sp. (Kerrich, 1967)
martinii Compere
Planococcoides njalensis (Strickland, 1951; Risbec, 1955b; Kerrich, 1967)
Planococcus citri (Compere, 1931d; Kerrich,

1967)

Pseudococcus sp. (Compere, 1939; Kerrich, 1953)

Undetermined species
Allococcus trichiliae (NCI)
Allococcus sp. (NCI)
Oxyacanthus chrysocomae (NCI)

Genus **NEODUSMETIA** KERRICH

Hosts: Hemiptera, Pseudococcidae

sangwani (Subba Rao)
Antonina graminis (Greathead, 1971; Prinsloo & Mynhardt, 1981b)

Genus **OOBIUS** TRJAPITZIN

Hosts: Coleoptera, Buprestidae (eggs);
Diptera, Asilidae (eggs)

abditus Annecke
Buprestidae: *Agrilus gloriosulus* (Annecke, 1967b)

funestus Annecke
Buprestidae: *Agrilus gloriosulus* (Annecke, 1967b)

striatus Annecke
Asilidae: *Hyperechia marshalli* (Annecke, 1967b)

Genus **OOENCYRTUS** ASHMEAD

Hosts: Coleoptera, Coccinellidae (eggs); Hemiptera, Alydidae, Coreidae and Pentatomidae (eggs);
Lepidoptera, Notodontidae, Papilionidae, Pieridae and Saturniidae (eggs)

creona (Risbec)
Pentatomidae: Undetermined species (Risbec, 1951, under *Litomastix*)
Pieridae: *Belenois creona* (Risbec, 1951, under *Litomastix*)

demodoci (Risbec)
Papilionidae: *Papilio demodocus* (Risbec, 1951, under *Aenasioidea*)

epilachnae Annecke
Coccinellidae: *Solanophila dregei* (Annecke, 1965)

epulus Annecke
Coccinellidae: *Epilachna eckloni* (Annecke, 1965)
Epilachna similis (NCI)

kuwanae (Howard)
Coreidae: *Anoplocnemis curvipes* (Matteson, 1981)
Clavigralla tomentosicollis (Matteson, 1981)

lamborni Waterston
Pieridae: *Belenois creona* (Waterston, 1916)

patriciae Subba Rao
Alydidae: *Mirperus jaculus* (Matteson, 1981)

Riptortus dentipes (Matteson, 1981)
Coreidae: Anoplocnemis curvipes (Matteson, 1981)
Clavigralla elongata (Matteson, 1981)

Clavigralla tomentosicollis (Matteson, 1981)

senegalensis (Risbec)

Coreidae: undetermined species (Risbec, 1951, under *Aphycomorpha*)

Notodontidae: Psalisodes artifasciata (Risbec, 1951, under *Aphycomorpha*)

Undetermined species

Fulgoridae: undetermined species (NCI)

Papilionidae: Papilio demodocus (NCI)

Saturniidae: Cirina forda (NCI)

Genus **PARACERAPTOCEKUS** GIRAULT

Hosts: Hemiptera, Coccidae

africanus Girault

Ceroplastes rubens (Annecke, 1967a)

Ceroplastes sp. (Girault, 1920)

Waxiella mimosae (Annecke, 1967a)

aquilus Annecke

Gascardia destructor (Annecke, 1967a)

austrinus Annecke

Ceroplastes sp. (Annecke, 1967a)

calidus Annecke

Ceroplastes sp. (NCI)

Gascardia destructor (NCI)

Gascardia sinoiae (Annecke, 1967a)

clivus Annecke

Gascardia tachardiaformis (Annecke, 1967a)

fuscus Annecke

Gascardia bipartita (Annecke, 1967a)

nyasicus (Compere)

Ceroplastes sp. (Annecke, 1967a; NCI)

Gascardia destructor (Annecke, 1967a; NCI)

paralis Annecke

Gascardia rustica (Annecke, 1967a; NCI)

Lichtensia sp. (NCI)

pattersoni (Waterston)

Ceroplastes personatus (Waterston, 1917b, under *Eusemion*)

sepis Annecke

Ceroplastes sp. (Annecke, 1967a)

taylori Annecke

Ceroplastes elytropappi (NCI)

Gascardia rustica (Annecke, 1967a)

Genus **PARALITOMASTIX** MERCET

Hosts: Lepidoptera, Pyralidae and Tortricidae (polyembryonic in larvae)

varicornis (Nees)

Pyralidae: Sylepta derogata (Risbec, 1951, under *Paralitomastix sylleptae*)

Tortricidae: Polychrosis incultana (NCI)

Genus **PARAPHAENODISCUS** GIRAULT

Hosts: Hemiptera, Coccidae

munroi Prinsloo

Pulvinaria iceryi (Prinsloo, 1976; NCI)

niger Prinsloo

Pulvinaria prob. iceryi (Prinsloo & Annecke, 1978)

paralis Prinsloo & Mynhardt

Undetermined Coccidae (Prinsloo & Mynhardt, 1982)

pavoniae Risbec

Pulvinaria iceryi (Annecke, 1965, under *Microterys judithae*; Prinsloo, 1976)

Pulvinaria sp. (Prinsloo, 1976)

pedanus Prinsloo & Mynhardt

Undetermined Coccidae (Prinsloo & Mynhardt, 1982)

Genus **PARECHTHRODRYINUS** GIRAULT

Hosts: Hemiptera, Coccidae

orarius (Annecke & Mynhardt)

Idiosaissetia peringueyi (Annecke & Mynhardt, 1973, under *Protyndarichus*)

prolatus (Prinsloo & Annecke)

Ceroplastes elytropappi (Prinsloo & Annecke, 1978, under *Protyndarichus*)

Genus **PAURIDIA** TIMBERLAKE

Hosts: Hemiptera, Pseudococcidae

peregrina Timberlake

Allococcus quaesitus (NCI)

Planococcus citri (Searle, 1964)

Planococcus ficus (NCI)

Planococcus kenyae (Greathead, 1971)

Genus **PRIONOMASTIX** MAYR

Hosts: Hemiptera, Membracidae

africanus Annecke

Undetermined Membracidae (Annecke, 1962b)

capeneri Annecke

Beaufortiana viridis (Annecke, 1962b)

Leprechaunus cristatus (Annecke, 1962b)

siccarius Annecke

Gongroneura fasciata (Annecke, 1962b)

Undetermined species

Dukeobelus simplex (NCI)

Genus **PROCHILONEURUS** SILVESTRI

Hosts: Hyperparasitic in Coccidae, Eriococcidae and Pseudococcidae

(Hemiptera); primary hosts include
Encyrtidae (Hymenoptera)

aegyptiacus (Mercet)

All records below published under
Achrysopephagus aegyptiacus
Coccidae: *Coccus hesperidum* (Compere,
1938)
Encyrtidae: *Leptomastix bifasciata* (Donald,
1956)
Pseudococcidae: *Ferrisia virgata* (Risbec,
1951; Donald, 1956)
Octococcus africanus (NCI)
? *Pedrococcus* sp. (Annecke, 1964a)
Planococcoides njalensis (Donald, 1956)
Planococcus citri (Compere, 1938; Risbec,
1951; Donald, 1956)
Pseudococcus sp. (Compere, 1938)

bolivari Mercet

Pseudococcidae: *Phenacoccus manihoti* (NCI)
Pseudococcidae: *Planococcus citri* (Derron,
1977, under *Neoprochiloneurus*; NCI)

laticapus (Compere)

Pseudococcidae: undetermined species
(Compere, 1938, under *Cheiloneurus*)

pulchellus Silvestri

Encyrtidae: *Anagrus* sp. (Fabres & Matile-
Ferrero, 1980)
Eriococcidae: *Eriococcus stenoclini* (Risbec,
1952)
Pseudococcidae: *Coccidohystrix* sp. (NCI)
Octococcus sp. (NCI)
Oxyacanthus chrysocomae (NCI)
Paracoccus sp. (NCI)
Pseudococcus sp. (Silvestri, 1915b)

Undetermined species

Coccidae: *Ceroplastes* sp. (NCI)
Pseudococcidae: *Coccidohystrix* sp. (NCI)
Erium sp. (NCI)
Octococcus pentziae (NCI)
Paracoccus burnerae (NCI)
Planococcus citri (NCI)

Genus **PROLEUROCERUS** FERRIÈRE

Hosts: Arachnida (eggs)

zululandiae (Compere & Zinna)

Undetermined spider (Compere & Zinna,
1955, under *Arachnosinis*)

Genus **PSEUDAPHYCUS** CLAUSEN

Hosts: Hemiptera, Pseudococcidae

ferrisiana Bennett

Ferrisia virgata (Bennett, 1955)

perdignus Compere & Zinna

Planococcus citri (Compere & Zinna, 1955)

Undetermined species

Pseudococcus obscurus (NCI)

Genus **PSYLLAEPHAGUS** ASHMEAD

Hosts: Hemiptera, Psyllidae (nymphs)

albicus Prinsloo

Agonoscena sp. (Prinsloo, 1981b)

argutus Prinsloo

Agonoscena crotolariae (Prinsloo, 1981b)
Agonoscena sp. (Prinsloo, 1981b)

arytainae Prinsloo

Arytaina mopanei (Prinsloo, 1981b)

bicolor Prinsloo

Undetermined Psyllidae (Prinsloo, 1981b)

callainus Prinsloo

Trichohermes insleyae (Prinsloo, 1981b)
Undetermined Psyllidae (Prinsloo, 1981b)

capeneri Prinsloo

Pseudophacopteron pretoriensis (Prinsloo,
1981b)
Pseudophacopteron sp. (Prinsloo, 1981b)

chianganus Prinsloo

Psylla sp. (Prinsloo, 1981b)
Undetermined Psyllidae (Prinsloo, 1981b)

cincticus Prinsloo

Diaphorina tenebrosa (Prinsloo, 1981b)
Diaphorina sp. (Prinsloo, 1981b)

dispar Prinsloo

Undetermined Psyllidae (Prinsloo, 1981b)

harrisoni (Robinson)

Diaphorina sp. (Robinson, 1960, under
Coccidoxenus)

lucaris Prinsloo

Undetermined Psyllidae (Prinsloo, 1981b)

oleae Prinsloo

Euphyllura longiciliata (Prinsloo, 1981b)

ornatus Prinsloo

Diaphorina albomaculata (Prinsloo, 1981b)
Diaphorina carissae (Prinsloo, 1981b)
Diaphorina natalensis (Prinsloo, 1981b)
Diaphorina solani (Prinsloo, 1981b)
Diaphorina sp. (Prinsloo, 1981b)

parvus Prinsloo

Paurocephala sp. (Prinsloo, 1981b)

phytolymae Ferrière

Phytolyma lata (Ferrière, 1931; Risbec, 1953,
under *Prionomitus ledouxi*)

pulvinatus (Waterston)

Trioza erytrae (Annecke & Cilliers, 1963;
McDaniel & Moran, 1972; Prinsloo,
1981; NCI)

rhusae Prinsloo

Undetermined Psyllidae (Prinsloo, 1981b)

secus Prinsloo

Undetermined Psyllidae (Prinsloo, 1981b)

vastus Prinsloo

Diaphorina sp. (Prinsloo, 1981b)

Undetermined Psyllidae (Prinsloo, 1981b)

viridis Prinsloo

Diaphorina loranthi (Prinsloo, 1981b)
Diaphorina ? punctulata (Prinsloo, 1981b)
Diaphorina sp. (Prinsloo, 1981b)

Genus **PSYLLECHTHRUS** GHESQUIÈRE

Hosts: Hemiptera, Tettigometridae (nymphs)

oophagus Ghesquière

Hilda patruelis (Ghesquière, 1968; NCI)

Genus **RUANDELLA** RISBEC

Hosts: Hemiptera, Coccidae and Kerridae

capensis Subba Rao

Coccidae: Ceroplastes sp. (Annecke, 1971,
under *Machiencyrtus secus*)
Saissetia sp. (NCI)

stigmosa (Annecke)

Coccidae: Lichtensia sp. (Annecke, 1971,
under *Machiencyrtus*)
Saissetia oleae (NCI)
Saissetia sp. (NCI)

tertia (Annecke)

Kerridae: Tachardina gripha (Annecke, 1971,
under *Machiencyrtus*)
Tachardina sp. (NCI)

testacea Risbec

Coccidae: Ceroplastes sp. (NCI)

Genus **SILVESTRIA** TRJAPITZIN

Hosts: hyperparasitic in Coccidae
(Hemiptera); primary hosts include
Encyrtidae and Pteromalidae
(Hymenoptera)

ceroplastae (Risbec)

Coccidae: Ceroplastes sp. (Risbec, 1954, under
Apterencyrtus)

minor (Silvestri)

Coccidae: Ceroplastes elytopappi (NCI)
Ceroplastes sp. (NCI)
Coccus hesperidum (Annecke, 1964a)
Marsipococcus proteae (Annecke, 1964a)
Parasaissetia nigra (Annecke, 1964a)
Pulvinaria iceryi (Williams, 1980)
Saissetia oleae (Silvestri, 1915a, under
Bothriothorax; Girault, 1916, under
Baeoanusia; Compere, 1931c, under
Baeoanusia; Annecke, 1964a, under
Baeoanusia; NCI)
Encyrtidae: Metaphycus decussatus (Williams,
1980)

oleae (Silvestri)

Coccidae: Gascardia brevicauda (Crowe, 1962,
under *Baeoanusia*; NCI)

Macropulvinaria sp. (NCI)

Parasaissetia nigra (Compere, 1931c, under
Baeoanusia; NCI)

Saissetia oleae (Silvestria, 1915a, under
Bothriothorax; Compere, 1931c, under
Baeoanusia)

Saissetia somereni (NCI)

Pteromalidae: Scutellista cyanea (Compere,
1931c)

Genus **STEMMATOSTERES** TIMBERLAKE

Hosts: Hemiptera, Pseudococcidae

primus Prinsloo & Mynhardt

Antonina graminis (Prinsloo & Mynhardt,
1981b)

Genus **SYRPHOPHAGUS** ASHMEAD

Hosts: Diptera, Syrphidae (puparia)

nigrocyanus Ashmead

? Ischiodon aegyptius (Annecke, 1969)

Genus **TACHARDIAPHAGUS** ASHMEAD

Hosts: Hemiptera, Kerridae

absonus Prinsloo

Tachardina actinella (Prinsloo, 1977)
Tachardina sp. (Prinsloo, 1977)

communis Prinsloo

Tachardina actinella (Prinsloo, 1977)
Tachardina affluens (Prinsloo, 1977)
Tachardina africana (Prinsloo, 1977)
Tachardina albida (Prinsloo, 1977)
Tachardina sp. (Prinsloo, 1977)

gracilis Prinsloo

Tachardina sp. (Prinsloo, 1977)

similis Prinsloo

Tachardina sp. (Prinsloo, 1977)

Genus **TACHINAEPHAGUS** ASHMEAD

Hosts: Diptera, Calliphoridae, Muscidae and
Sarcophagidae (puparia)

stomoxicida Subba Rao

Muscidae: Stomoxys niger (Subba Rao, 1978;
NCI)

zealandicus Ashmead

Calliphoridae: Chrysomya chloropyga
(Prinsloo, 1979a)
Lucilia sericata (Prinsloo, 1979a)
Muscidae: Stomoxys calcitrans (Williams,
1980)
Sarcophagidae: Sarcophaga cruentata
(Prinsloo, 1979a)

Genus **TETRACNEMOIDEA** HOWARD

Hosts: Hemiptera, Pseudococcidae

coffeicola (Kerrich)

Planococcus citri (Kerrich, 1967, under *Hungariella*)

Planococcus kenyae (Kerrich, 1967, under *Hungariella*)

Pseudococcus sp. (Kerrich, 1967, under *Hungariella*)

peregrina (Compere)

Undetermined Pseudococcidae (Kerrich, 1967, under *Hungariella*)

Undetermined species

Pseudococcus longispinus (NCI)

Genus **TIMBERLAKIA** HOWARD

Hosts: Hemiptera, Pseudococcidae

gilva Prinsloo

Nipaecoccus vastator (Prinsloo, 1982b)

Paracoccus burnerae (Prinsloo, 1982b)

Planococcus citri (Prinsloo, 1982b)

signata Prinsloo

Nipaecoccus vastator (Prinsloo, 1982b)

Paracoccus burnerae (Prinsloo, 1982b)

Undetermined species

Saccharicoccus sacchari (NCI)

Genus **TRECHNITES** THOMSON

Hosts: Hemiptera, Psyllidae (nymphs)

angolensis Prinsloo

Undetermined Psyllidae (Prinsloo, 1981b)

manaliensis Hayat, Alam & Agarwal

Euphyllura longiciliata (Prinsloo, 1981b)

versicolor Prinsloo

Ciriactremum capense (Prinsloo, 1981b)

Genus **TROPIDOPHRYNE** COMPERE

Hosts: Hemiptera, Pseudococcidae

africana Compere

Dysmicoccus brevipes (Donald, 1956)

Planococcoides njalensis (Risbec, 1955b)

Planococcus citri (Compere, 1931d)

comperei Prinsloo & Annecke

Erium sp. (Prinsloo & Annecke, 1978)

melvillei Compere

Dysmicoccus brevipes (Donald, 1956)

Planococcoides njalensis (Donald, 1956)

Pseudococcus sp. (Compere, 1939)

Saccharicoccus sacchari (Prinsloo & Annecke, 1978)

natalensis Compere

Planococcus citri (Compere, 1939)

Genus **XYLENCYRTUS** ANNECKE

Hosts: Hymenoptera, Anthophoridae

mumifex Annecke

Allodapula melanopus (Annecke, 1968)

tridens Annecke

Allodape exoloma (Annecke, 1968)

Allodape mucronata (Annecke, 1968)

Allodape panurgoides (Annecke, 1968)

Allodape rufogastra (Annecke, 1968)

Allodape sp. (Annecke, 1968)

Braunsapis leptozonia (Annecke, 1968)

Genus **XYPHIGASTER** RISBEC

Hosts: Diptera, Cecidomyiidae

pseudococci Risbec

Coccodiplosis citri (Fabres & Matile-Ferrero, 1980)

Coccodiplosis coffeae (Prinsloo, 1979)

Genus **YASUMATSUIOLA** TRJAPITZIN

Hosts: Hemiptera, Pseudococcidae

rubella (Annecke)

Oxyacanthus chrysocomae (Annecke, 1974, under *Gyranusa*)

Oxyacanthus sp. (Annecke, 1974, under *Gyranusa*)

Genus **ZAOMMA** ASHMEAD

Hosts: Hemiptera, Diaspididae

carinae Prinsloo

Africaspis sp. (Prinsloo, 1979b)

Dentachionaspis sp. (Prinsloo, 1979b)

Diaspis hererina (Prinsloo, 1979b)

Tecaspis ? visci (Prinsloo, 1979b)

cestus Prinsloo

Africaspis chionaspiformis (Prinsloo, 1979b)

Diaspis echinocacti (Prinsloo, 1979b)

Moraspsis euphorbiae (Prinsloo, 1979b)

Nelaspsis exalbida (Prinsloo, 1979b)

Tecaspis sp. (Prinsloo, 1979b)

sitis Prinsloo

Namaquea simplex (Prinsloo, 1979b)

vix Prinsloo

Undetermined Diaspididae (Prinsloo, 1979b)

xhosa Prinsloo

Undetermined Diaspididae (Prinsloo, 1979b)

Genus **ZETETICONTUS** SILVESTRI

Hosts: Coleoptera, Nitidulidae (larvae)

abilis Silvestri

Carpophilus sp. (Silvestri, 1915b)

utilis Noyes

Carpophilus hemipterus (Noyes, 1982)

Urophorus humeralis (Noyes, 1982)

PART II HOSTS

Species marked with an asterisk are known or probable hyperparasitoids

CLASS ARACHNIDA

ORDER ACARINA

Family IXODIDAE

Amblyomma tholloni Neumann
Hunterellus hookeri

Hyalomma marginatum rufipes Koch
Hunterellus theileri

Hyalomma truncatum Koch
Hunterellus theileri

Hyalomma sp.
Hunterellus hookeri

Rhipicephalus appendiculatus Neumann
Hunterellus hookeri

Rhipicephalus evertsi Neumann
Hunterellus hookeri

Rhipicephalus oculatus Neumann
Hunterellus hookeri
Hunterellus theileri

Rhipicephalus sanguineus (Latrielle)
Hunterellus hookeri

ORDER ARANEAE

Family NEPHILIDAE

Nephila inaurata madagascarensis (Vinson)
Amira durantae

Eggs of undetermined spider
Amira durantae
Proleurocerus zululandiae

CLASS INSECTA

ORDER COLEOPTERA

Family APIONIDAE

Cylas puncticollis Boheman
*Cheiloneurus cyanonotus

Family BUPRESTIDAE

Agrilus gloriosulus Peringuey
Oobius abditus
Oobius funestus

Family CHRYSOMELIDAE

Undetermined species
Chrysomelechthrus descampsi

Family COCCINELLIDAE

Chilocorus cacti Linnaeus
*Cheiloneurus cyanonotus

Chilocorus distigma Klug
*Cheiloneurus cyanonotus

Chilocorus nigritus Fabricius
*Cheiloneurus cyanonotus

Cheilomenes propingua Mulsant
Homalotylus flaminus

Cydonia vicina Mulsant
*Cheiloneurus cyanonotus

Epilachna eckloni Mulsant
Ooencyrtus epulus

Epilachna similis (Thunberg)
Ooencyrtus epulus

Exochomus concavus Fürch
Homalotylus africanus
Homalotylus flaminus

Exochomus flavipes (Thunberg)
*Cheiloneurus cyanonotus

Exochomus flaviventris Mader
*Cheiloneurus cyanonotus
Homalotylus flaminus

Exochomus sp.
Homalotylus sp.

Henosepilachna bifasciata (Fabricius)
Homalotylus flaminus

Hyperaspis senegalensis Mulsant
Homalotylus flaminus

Hyperaspis sp.
Homalotylus africanus

Lioadalia flavomaculata (De Geer)
Homalotylus flaminus

Lindorus lophanthae Blaisdell
Homalotylus africanus

Nephus vetustus Pascoe
Homalotylus vicinus

Platynaspis sp.
Homalotylus flaminus

Scymnus moreletii Mulsant
Homalotylus sp.

Scymnus ornatulus Mulsant
Homalotylus sp.

Scymnus sp.
Homalotylus flaminus

Solanophila dregei (Mulsant)
Ooencyrtus epilachnae

Undetermined Coccinellidae
*Cheiloneurus orbitalis

Family DISCOLOMBIDAE

Notiophygus piger John
Homalotyloidea africana

Family NITIDULIDAE

Carpophilus hemipterus Linnaeus
Zeteticontus utilis

Carpophilus sp.
Zeteticontus abilis

Urophorus humeralis (Fabricius)
Zeteticontus utilis

ORDER DIPTERA

Family ANTHOMYIIDAE

Delia dispar (Bezzi)
Exoristobia dipterae

Family ASILIDAE

Hyperechia marshalli Austen
Oobius striatus

Family CALLIPHORIDAE

Chrysomya chloropyga (Wiedemann)
Tachinaephagus zealandicus

Lucilia sericata (Meigen)
Tachinaephagus zealandicus

Family CECIDOMYIIDAE

Coccodiplosis citri Barnes
Xyphigaster pseudococci

Coccodiplosis coffeae (Barnes)
Xyphigaster pseudococci

Family DROSOPHILIDAE

Cacoxenus perspicax (Knab)
Cerchysius ugandensis

Family MUSCIDAE

Atherigona pulla (Wiedemann)
Exoristobia dipterae

Atherigona sp.
Exoristobia dipterae

Stomoxys calcitrans (Linnaeus)
Tachinaephagus zealandicus

Stomoxys niger Macquart
Tachinaephagus stomoxicida

Family SARCOPHAGIDAE

Sarcophaga cruentata Meigen
Tachinaephagus zealandicus

Family SYRPHIDAE

Ischiodon sp.
*Cheiloneurus cyanonotus

? *Ischiodon aegyptius* (Wiedemann)
Syrphophagus nigrocyaneus

Microdon sp.
Exoristobia ugandensis

Undetermined Syrphidae
*Cheiloneurus cyanonotus

Family TACHINIDAE

Undetermined Tachinidae
Exoristobia dipterae

ORDER HEMIPTERA

Family ACLERDIDAE

Aclerda namibensis Ben-Dov
Mayridia arida

Rhodesaclerda sp.
Allencyrtus monomorphus

Family ALYDIDAE

Mirperus jaculus (Thunberg)
Ooencyrtus patriciae

Riptortus dentipes (Fabricius)
Ooencyrtus patriciae

Family APHIDIDAE

Aphis gossypii Glover
*Aphidencyrtus africanus

Lipaphis erysimi (Kaltenbach)
*Aphidencyrtus africanus

Melanaphis sacchari (Zehntner)
*Aphidencyrtus africanus

Myzus persicae (Sulzer)
*Aphidencyrtus africanus

Paoliella harteni Ilharco
*Aphidencyrtus africanus
*Aphidencyrtus sp.

Schizaphis graminum (Rondani)
*Aphidencyrtus africanus

Toxoptera aurantii (Fonscolombe)
*Aphidencyrtus africanus

Undetermined Aphididae
*Aphidencyrtus africanus

Family ASTEROLECANIIDAE

Asterolecanium stentae Brain
Metaphycus hemilecanii

Asterolecanium variolosum (Ratzeburg)
Habrolepis dalmanni

Asterolecanium sp.
Metaphycus hemilecanii
Metaphycus heynsi
Metaphycus insleyae

Family CERCOPIDAE

Ptyelus flavescens Fabricius
Carabunia gigantea

Family CEROCOCCIDAE

Cerococcus sp.
Metaphycus hemilecanii

Family CICADELLIDAE

Batrachomorpha capeneri Linnavuori
Neocladia tibialis

Family COCCIDAE

Ceronema africanum Macfie
Metaphycus sp.

Ceronema sp.
Diversinervus scutatus
Microterys bizanensis

Ceroplastes berliniae Hall
Metaphycus sylvaticus

Ceroplastes elytropappi Brain
Bothriophryne purperascens
Cerapterocerus mirabilis
Metaphycus aquilus
Metaphycus ferinus
Metaphycus sp.
Paraceraptrocerus taylori
Parechthrodryinus prolatus
*Silvestria minor

Ceroplastes personatus Newstead
Paraceraptrocerus pattersoni

Ceroplastes rubens Maskell
Paraceraptrocerus africanus

Ceroplastes sp.
Aloencyrtus saissetiae
Aloencyrtus umbrinus
Aloencyrtus sp.
Anasemion inutile
Bothriophryne ceroplastae
Bothriophryne dispar
Bothriophryne fuscicornis
Bothriophryne purpurascens
Bothriophryne velata
*Cerapterocerus mirabilis
*Cheiloneurus cyanotus
Diversinervus elegans
Diversinervus sp.
Encyrtus sp.
Metaphycus africanus
Metaphycus agrestis
Metaphycus alberti
Metaphycus aquilus

Metaphycus capensis
Metaphycus confusus
Metaphycus decorus
Metaphycus ferrierei
Metaphycus galbus
Metaphycus helvolus
Metaphycus limuruensis
Metaphycus lineascapus
Metaphycus solatus
Metaphycus stanleyi
Metaphycus sp.
Microterys ceroplastis
Microterys kenyaensis
Paraceraptrocerus africanus
Paraceraptrocerus austrinus
Paraceraptrocerus calidus
Paraceraptrocerus nyasicus
Paraceraptrocerus sepis
*Prochiloneurus sp.
Ruandella capensis
Ruandella testacea
*Silvestria ceroplastae
*Silvestria minor

? *Ceroplastes* sp.
Metaphycus albiventris

Cerostegia rufa (De Lotto)
Metaphycus capensis
Metaphycus sp.

† *Cissococcus fulleri* Cockerell
Metaphycus amblydentis
Metaphycus brochus
Metaphycus sp.

Coccus aethiopicus De Lotto
Metaphycus africanus
Metaphycus helvolus

Coccus africanus (Newstead)
Metaphycus citricola

Coccus anneckei De Lotto
Encyrtus sp.
Metaphycus sp.

Coccus ? ehretiae (Brain)
Aloencyrtus vitripennis

Coccus hesperidum Linnaeus
*Cerapterocerus mirabilis
*Cheiloneurus cyanotus
*Cheiloneurus sp.
Diversinervus elegans
Diversinervus sp.
Encyrtus lecaniorum
Encyrtus sp.
Metaphycus alberti
Metaphycus galbus
Metaphycus helvolus
Metaphycus stanleyi
Metaphycus sp.
Microterys flavus
Microterys kenyaensis
Microterys nicholsoni

†According to Ben-Dov (personal communication), the family status of this species is uncertain

- **Prochilonerus aegyptiacus*
**Silvestria minor*
- Coccus longulus* (Douglas)
Aloencyrtus nativus
Anicetus communis
Encyrtus sp.
Metaphycus sp.
- Coccus subhemisphaericus* (Newstead)
Aloencyrtus distinguendus
Metaphycus lepelleyi
Metaphycus stanleyi
- Coccus viridis* (Green)
Diversinervus silvestrii
- Coccus* sp.
Aloencyrtus saissetiae
Metaphycus prinslooii
- Cryptinglisia elytropappi* (Brain)
Metaphycus aquilus
- Cryptinglisia lounsburyi* Cockerell
Aloencyrtus saissetiae
- Ctenochiton arborescens* Laing
Metaphycus distentus
- Ctenochiton* sp.
Diversinervus sp.
Metaphycus sp.
- Gascardia bipartita* (Newstead)
Paraceraptocherus fuscus
- Gascardia brevicauda* (Hall)
Aloencyrtus umbrinus
Anasemion inutile
Anicetus communis
Anicetus parvus
**Cheiloneurus obscurus*
Diversinervus elegans
Metaphycus stanleyi
**Silvestria oleae*
- Gascardia ? brevicauda* (Hall)
Aloencyrtus angustifrons
Anasemion inutile
Bothriophryne fuscicornis
Metaphycus utibilis
- Gascardia ? deceptrix* De Lotto
Metaphycus aquilus
- Gascardia destructor* (Newstead)
Aloencyrtus ingens
Aloencyrtus ugandensis
Aloencyrtus umbrinus
Aloencyrtus sp.
Anasemion inutile
Anicetus communis
Anicetus parvus
Bothriophryne ceroplastae
Bothriophryne fuscicornis
Bothriophryne purpurascens
Diversinervus elegans
Encyrtus aquilus
Metaphycus ferrierei
Metaphycus solatus
Metaphycus vanderplanki
- Microterys ceroplastis*
Microterys nicholsoni
Paraceraptocherus aquilus
Paraceraptocherus calidus
Paraceraptocherus nyasicus
- Gascardia ? longicauda* (Brain)
Aloencyrtus facetus
Bothriophryne fuscicornis
- Gascardia madagascariensis* Targioni Tozzetti
Encyrtus tananarivensis
Lombitsikala coccidivora
- Gascardia quadrilineata* (Newstead)
Anicetus parvus
Bothriophryne ceroplastae
- Gascardia rustica* (De Lotto)
Anasemion inutile
Bothriophryne purpurascens
**Cerapterocherus mirabilis*
Metaphycus solatus
Paraceraptocherus paralis
Paraceraptocherus taylori
- Gascardia sinoiae* (Hall)
Anasemion inutile
Anicetus communis
Paraceraptocherus calidus
- Gascardia tachardiaformis* (Brain)
Anasemion inutile
Encyrtus melas
Metaphycus capensis
Paraceraptocherus clivus
- Gascardia ? tachardiaformis* (Brain)
Metaphycus ferinus
- Gascardia* sp.
Bothriophryne ceroplastae
Diversinervus sp.
Encyrtus aquilus
Encyrtus melas
Metaphycus ferrierei
Microterys flavus
- Hemilecanium* sp.
Encyrtus sp.
Metaphycus hemilecanii
- Idiosaissetia peringueyi* Brain
Metaphycus aquilus
Parechthrodryinus orarius
- Inglisia conchiformis* Newstead
Aloencyrtus claripennis
- Inglisia* sp.
Metaphycus fuscicornis
- Lagosinia strachani* (Cockerell)
Metaphycus sp.
- Lecanium* sp.
Aloencyrtus distinguendus
- Lichtensia carissae* (Brain)
Metaphycus cerinus
- Lichtensia chilianthi* (Brain)
Metaphycus cerinus

- Metaphycus stanleyi*
- Lichtensia near chilianthi* (Brain)
Metaphycus cerinus
- Lichtensia chrysophyllae* (Silvestri)
Metaphycus praevidens
- Lichtensia gemina* (De Lotto)
Encyrtus sp.
- Lichtensia sp.*
Encyrtus sp.
Metaphycus cerinus
Metaphycus citer
Microterys aneckei
Paraceraptocherus paralis
Ruandella stigmosa
- ? *Lichtensia sp.*
Metaphycus nigrifolius
- Macropulvinaria jacksoni* (Newstead)
 **Cheiloneurus afer*
Metaphycus cerinus
Metaphycus galbus
Metaphycus truncatus
- Macropulvinaria sp.*
Bothriophryne velata
Metaphycus cerinus
 **Silvestria oleae*
- Marsipococcus proteae* (Brain)
Diversinervus elegans
Metaphycus helvolus
Metaphycus latifrons
Metaphycus proteae
Metaphycus sp.
 **Silvestria minor*
- Marsipococcus sp.*
Metaphycus aquilus
Metaphycus latifrons
 **Silvestria oleae*
- Messinea plana* De Lotto
Metaphycus sp.
Microterys haroldi
- Parasaissetia litorea* De Lotto
Anicetus communis
Encyrtus sp.
Metaphycus helvolus
Metaphycus sp.
Microterys aneckei
- Parasaissetia nigra* (Nietner)
Aloencyrtus saissetiae
Anicetus abyssinicus
 **Cheiloneurus cyanonotus*
Metaphycus africanus
Metaphycus stanleyi
Metaphycus sp.
Microterys bizanensis
Microterys nicholsoni
 **Silvestria minor*
 **Silvestria oleae*
- Parasaissetia ? nigra* (Nietner)
Metaphycus helvolus
- Parasaissetia sp.*
Metaphycus helvolus
Metaphycus neseri
Metaphycus stanleyi
- ? *Parasaissetia sp.*
Metaphycus neseri
- Protopulvinaria pyriformis* (Cockerell)
 **Cheiloneurus cyanonotus*
Metaphycus galbus
Metaphycus stanleyi
- Pulvinaria aethiopica* (De Lotto)
Metaphycus citricola
Metaphycus helvolus
- Pulvinaria elongata* Newstead
Encyrtus sacchari
- Pulvinaria iceryi* (Signoret)
Anicetus graminosus
 **Cheiloneurus cyanonotus*
 **Cheiloneurus sp.*
Encyrtus sacchari
Metaphycus decussatus
Metaphycus insularis
Paraphaenodiscus munroi
Paraphaenodiscus pavoniae
 **Silvestria minor*
- Pulvinaria prob. iceryi* (Signoret)
Paraphaenodiscus niger
- Pulvinaria psidii* Maskell
Argutencyrtus luteolus
- Pulvinaria rhoicina* De Lotto
Metaphycus sp.
- Pulvinaria sp.*
Diversinervus desantisi
Encyrtus decorus
Encyrtus sacchari
Metaphycus helvolus
Paraphaenodiscus pavoniae
- ? *Pulvinaria sp.*
Metaphycus africanus
Metaphycus cerinus
- Pulvinariella mesembryanthemi* (Vallot)
 **Cheiloneurus cyanonotus*
Encyrtus saliens
Metaphycus funicularis
Metaphycus helvolus
Metaphycus stanleyi
Metaphycus stramineus
- Pulvinariella sp.*
 **Cheiloneurus sp.*
Encyrtus saliens
Metaphycus funicularis
- Saissetia coffeae* (Walker)
Aloencyrtus diaphorocerus
Metaphycus galbus
Metaphycus helvolus
Metaphycus obtusus
Metaphycus stanleyi
Metaphycus sp.

Saissetia ? coffeae (Walker)
 Aethognathus cavilabris
 Metaphycus swirskii

Saissetia ? chimanimanae Hodgson
 Aloencyrtus saissetiae
 Metaphycus sp.

Saissetia ? jocunda De Lotto
 Aloencyrtus saissetiae
 Anicetus anneckeii

Saissetia nigrella King
 Metaphycus helvolus
 Metaphycus neseri
 Metaphycus stanleyi

Saissetia oleae (Olivier)
 Aloencyrtus niloticus
 Aloencyrtus saissetiae
 Aloencyrtus utilis
 Anicetus anneckeii
 *Cheiloneurus cyanonotus
 *Cheiloneurus obscurus
 *Cheiloneurus orbitalis
 Diversinervus elegans
 Diversinervus masakaensis
 Diversinervus smithi
 Diversinervus sp.
 Encyrtus fuliginosus
 Encyrtus sp.
 Metaphycus africanus
 Metaphycus bartletti
 Metaphycus citrinus
 Metaphycus gilvus
 Metaphycus helvolus
 Metaphycus invisus
 Metaphycus lounsburyi
 Metaphycus stanleyi
 Metaphycus stramineus
 Microterys kenyaensis
 Microterys nicholsoni
 Ruandella stigmosa
 *Silvestria minor
 *Silvestria oleae

Saissetia ? oleae (Olivier)
 Aethognathus cavilabris
 Aloencyrtus saissetiae
 Anicetus anneckeii
 Metaphycus helvolus
 Metaphycus natalensis
 Metaphycus saissetiae

Saissetia opulenta De Lotto
 Aloencyrtus dellotoi

Saissetia persimilis (Newstead)
 Aloencyrtus saissetiae

Saissetia somereni (Newstead)
 Aloencyrtus obscuratus
 Aloencyrtus saissetiae
 Metaphycus helvolus
 Metaphycus neseri
 Metaphycus obtusus
 Metaphycus stanleyi
 Metaphycus swirskii
 Microterys nicholsoni
 *Silvestria oleae

Saissetia sp.
 Aethognathus cavilabris
 Anicetus anneckeii
 *Cheiloneurus carinatus
 *Cheiloneurus cyanonotus
 *Cheiloneurus sp.
 Encyrtus fuliginosus
 Encyrtus sp.
 Metaphycus citer
 Metaphycus citricola
 Metaphycus doratus
 Metaphycus galbus
 Metaphycus helvolus
 Metaphycus invisus
 Metaphycus latifrons
 Metaphycus lounsburyi
 Metaphycus natalensis
 Metaphycus neseri
 Metaphycus obtusus
 Metaphycus stanleyi
 Microterys anneckeii
 Microterys kenyaensis
 Microterys nicholsoni
 Ruandella capensis
 Ruandella stigmosa

Udinia sp.
 Encyrtus sp.

Waxiella mimosae (Signoret)
 Aloencyrtus coelops
 Aloencyrtus ingens
 Anasemion inutile
 Anicetus communis
 Bothriophryne acaciae
 Bothriophryne fuscicornis
 *Cheiloneurus angustifrons
 Encyrtus bedfordi
 Encyrtus sp.
 Metaphycus amicus
 Metaphycus lineascapus
 Metaphycus lounsburyi
 Metaphycus sp.
 Paraceraptrocercus africanus

Undetermined Coccidae
 Paraphaenodiscus paralis
 Paraphaenodiscus pedanus

Family COREIDAE

Anoplocnemis curvipes (Fabricius)
 Ooencyrtus kuwanae
 Ooencyrtus patriciae

Clavigralla elongata Signoret
 Ooencyrtus patriciae

Clavigralla tomentosicollis Stal
 Ooencyrtus kuwanae
 Ooencyrtus patriciae

Undetermined Coreidae
 Ooencyrtus senegalensis

Family DELPHACIDAE

Dicranotropis muii Kirkaldy
 *Cheiloneurus gonatopidis

Perkinsiella saccharicida Kirkaldy
**Cheiloneurus gonatopidis*

Family DIASPIDIDAE

Africaspis aviavyi Mamet
Adelencyrtus ficusae

Africaspis chionaspiformis (Newstead)
Adelencyrtus inglisiae
Anthemus africanus
Habrolepis obscura
Zaomma cestus

Africaspis terminaliae Munting
Adelencyrtus inglisiae

Africaspis sp.
Zaomma carinae

Aonidia rhusae Brain
Metaphycus sp.

Aonidiella aurantii (Maskell)
Comperiella bifasciata
Habrolepis rouxi

Aonidiella orientalis (Newstead)
Habrolepis obscura

Aspidiotus atomarius (Hall)
Habrolepis sp.

Aspidiotus capensis Newstead
Habrolepis algoensis

Aspidiotus elaeidis Marchal
Habrolepis oppugnati

Aspidiotus nerii Bouché
Adelencyrtus inglisiae
Adelencyrtus sp.
Metaphycus eurhinus
Metaphycus nigripectus
Metaphycus sp.

Aspidiotus sp.
Adelencyrtus inglisiae
Adelencyrtus sp.
Metaphycus nigripectus

? *Asymmetraspis* sp.
Arrhenophagoidea neseri

Aulacaspis madiunensis (Zehntner)
Adelencyrtus sp.

Aulacaspis tegalensis (Zehntner)
Adelencyrtus moderatus
Arrhenophagus chionaspidis
Metaphycus scitulus

Balaspis faurei Hall
Adelencyrtus inglisiae

Chionaspis minor Maskell
Habrolepis apicalis

Chionaspis sp.
Habrolepis aspidioti
Habrolepis obscura

Chrysomphalus aonidum (Linnaeus)
Adelencyrtus ficusae

Comperiella bifasciata

Habrolepis aspidioti
Habrolepis rouxi

Clavaspis pectinata (Lindinger)
Adelencyrtus sp.
Metaphycus sp.

Clavaspis pituranthi Williams
Adelencyrtus inglisiae
Comperiella ponticula
Metaphycus ustulatus

Clavaspis sp. Williams
Adelencyrtus inglisiae

Dentachionaspis margaritae (Brain)
Adelencyrtus sp.
Habrolepis sp.
Metaphycus aspidiotinorum
Metaphycus stramineus

Dentachionaspis sp.
Zaomma carinae

Diaspis bromeliae (Kerner)
Coccidencyrtus sp.

Diaspis echinocacti (Bouché)
Adelencyrtus inglisiae
Zaomma cestus

Diaspis hererina Munting
Zaomma carinae

Diaspis subregularis Hall
Metaphycus sigillatus

Diclavaspis ehrethiae (Brain)
Habrolepis sp.

Duplachionaspis eritreana Williams
Anthemus sp.

Duplachionaspis natalensis (Maskell)
Metaphycus sp.

Duplachionaspis sansevieriae Williams
Adelencyrtus odonaspidis

Duplachionaspis sp.
Metaphycus asparagi

Duplaspidotus pavettae (Balachowsky)
Habrolepis guineensis

Duplaspidotus andersoni Balachowsky
Metaphycus nigripectus

Entaspidotus lounsburyi (Marlatt)
Metaphycus aspidiotinorum
Metaphycus sp.

Frogatiella penicillata (Green)
Caenohomalopoda shikokuensis

Fulaspis monoloba Munting
Habrolepis sp.

Furchadiaspis zamiae (Morgan)
Neococcidencyrtus poutiersi

Ledaspis distincta (Leonardi)
Adelencyrtus sp.

Anthemus sp.
Habrolepis obscura

Metaphycus sp.
Lepidosaphes beckii (Newman)
 Habrolepis sp.
Lindingaspis greeni (Brain & Kelly)
 Habrolepis setigera
Lindingaspis rossi (Maskell)
 Habrolepis obscura
Melanaspis corticosa (Brain)
 Habrolepis obscura
Melanaspis pedina Munting
 Habrolepis sp.
Melanaspis phenax (Cockerell)
 Habrolepis occidua
Moraspis euphorbiae (Brain)
 Adelencyrtus inglisiae
 Zaomma cestus
Namaquea simplex Munting
 Habrolepis namibensis
 Zaomma sitis
Nelaspis exalbida (Cockerell)
 Anthemus sp.
 Metaphycus sp.
 Zaomma cestus
Neoselanaspidus silvaticus (Lindiger)
 Habrolepis sp.
Odonaspis sp.
 Adelencyrtus sp.
Parlatoria ziziphi (Lucas)
 Arrhenophagus chionaspidis
Pinnaspis strachani (Cooley)
 Arrhenophagus chionaspidis
Pseudotargionia damara Munting
 Habrolepis occidua
Pseudotargionia glandulosa (Newstead)
 Habrolepis occidua
Pudaspis newsteadi (Leonardi)
 Habrolepis aspidioti
 Neococcidencyrthus pudaspidis
Quadraspidotus perniciosus (Comstock)
 Adelencyrtus inglisiae
 Habrolepis aspidioti
 Habrolepis obscura
Rolaspis chaetachmae (Brain)
 Arrhenophagoidea chaetacmae
Rolaspis lounsburyi (Cooley)
 Arrhenophagoidea rolaspidis
 Metaphycus sp.
Rolaspis spiculata (Hall)
 Arrhenophagoidea rolaspidis
 Metaphycus sp.
Rolaspis whitehilli (Hall)
 Adelencyrtus sp.
Rolaspis sp.
 Arrhenophagoidea rolaspidis
 Adelencyrtus sp.

Scleromytilus lithothrix Munting
 Adelencyrtus sp.
Selanaspidus articulatus (Morgan)
 Adelencyrtus ficusae
 Metaphycus sp.
Selanaspidus celastri (Maskell)
 Habrolepis aspidioti
Selanaspidus pertusus (Brain)
 Habrolepis aspidioti
Selanaspidus spinosus Laing
 Coccidencyrthus sp.
Selanaspidus sp.
 Metaphycus aloinus
Separaspis capensis (Walker)
 Adelencyrtus sp.
 Habrolepis obscura
 Metaphycus aloinus
Separaspis proteae (Brain)
 Habrolepis sp.
Spinaspidotus fissidens (Lindinger)
 Habrolepis sp.
Tecaspis visci (Brain)
 Habrolepis aspidioti
Tecaspis ? visci (Brain)
 Zaomma carinae
Tecaspis sp.
 Zaomma cestus
Umbaspis regularis (Newstead)
 Habrolepis diaspidi
 Metaphycus chionaspidi
Versiculaspis sp.
 Arrhenophagoidea sierra
 Undetermined Diaspididae
 Adelencyrtus antennatus
 Metaphycus bicolor
 Metaphycus graminis
 Metaphycus ustulatus
 Metaphycus xanthulus
 Zaomma vix
 Zaomma xhosa

Family ERIOCOCCIDAE

Eriococcus coccineus Cockerell
 Discodes discors
Eriococcus stenoclini Mamet
 *Prochiloneurus pulchellus
 ? *Eriococcus* sp.
 Discodes discors

Family FULGORIDAE

Undetermined species
 Ooencyrtus sp.

Family **KERRIDAE (= LACCIFERIDAE)**

Tachardina actinella (Cockerell & King)

Adencyrtus pictus
Metaphycus oreius
Metaphycus tachardinae
Tachardiaephagus absonus
Tachardiaephagus communis

Tachardina affluens Brain

Adencyrtus afer
Adencyrtus callainus
Adencyrtus pictus
Laccacida lacunata
Tachardiaephagus communis

Tachardina ? affluens Brain

Coccopilatus judithae

Tachardina africana Hall

Adencyrtus afer
Adencyrtus callainus
Laccacida lacunata
Tachardiaephagus communis

Tachardina albida Cockerell

Adencyrtus pictus
Metaphycus africanus
Metaphycus sp.
Tachardiaephagus communis

Tachardina digitata Munting

Metaphycus sp.

Tachardina gripa Munting

Adencyrtus afer
Ruandella tertia

Tachardina minor (Brain)

Adencyrtus callainus
Adencyrtus pictus
Metaphycus tachardinae

Tachardina sp.

Adencyrtus afer
Adencyrtus pictus
Erencyrtus afer
Erencyrtus contrarius
Erencyrtus fuscus
Erencyrtus notialis
Laccacida lacunata
Metaphycus aquilus
Metaphycus eurycarus
Metaphycus heynsi
Metaphycus oreius
Metaphycus tachardinae
Metaphycus sp.
Ruandella tertia
Tachardiaephagus absonus
Tachardiaephagus communis
Tachardiaephagus gracilis
Tachardiaephagus similis

Family **LECANIODIASPIDIDAE**

Lecaniodiaspis brabei Brain

Metaphycus hemilecanii

Lecaniodiaspis ? erica Hodgson

Metaphycus sp.

Lecaniodiaspis tarsalis Newstead

Mayrencyrtus armillatus

Lecaniodiaspis sp.

Metaphycus sp.

Family **MEMBRACIDAE**

Beaufortiana viridis (Capener)

Prionomastix capeneri

Dukeobelus simplex (Walker)

Prionomastix sp.

Gongroneura fasciata (Buckton)

Prionomastix sicarius

Leprechaunus cristatus Capener

Prionomastix capeneri

Undetermined Membracidae

Prionomastix africanus

Family **PENTATOMIDAE**

Undetermined species

Ooencyrtus creona

Family **PSEUDOCOCCIDAE**

Allococcus quaesitus (Brain)

Anagyrus sp.

*Cheiloneurus carinatus

Gyranusoidea citrina

Neodiscodes comperei

Pauridia peregrina

Allococcus ? quaesitus (Brain)

Aphycus sp.

Allococcus trichiliae (Brain)

Anagyrus sp.

Clausenia sp.

Neodiscodes sp.

Allococcus sp.

Anagyrus sp.

Aphycus sp.

Gyranusoidea klugei

Neodiscodes sp.

? *Allococcus* sp.

Gyranusoidea litura

Antonina graminis (Maskell)

Neodusmetia sangwani

Stemmatosteres primus

Antonina sp.

Apoleptomastix aneckei

Coccidohystrix insolita (Green)

Gyranusoidea signata

Coccidohystrix sp.

Anagyrus sp.

Gyranusoidea austrina

Gyranusoidea signata

*Prochiloneurus pulchellus

*Prochiloneurus sp.

Distichlicoccus sp.

Alloцерellus sp.

- Gyranusoidea austrina
Diversicrus longulum De Lotto
 Allocerellus venustus
Dysmicoccus brevipes (Cockerell)
 Tropicophryne africana
 Tropicophryne melvillei
Erium sp.
 Anagyrus sp.
 Aphycus sp.
 Clausenia sp.
 *Prochiloneurus sp.
 Tropicophryne comperei
Ferrisia virgata (Cockerell)
 Aenasius advena
 Anagyrus subproximus
 Anagyrus sp.
 Blepyrus insularis
 Gyranusoidea citrina
 Leptomastidea abnormis
 Leptomastix bifasciata
 Leptomastix longipennis
 *Prochiloneurus aegyptiacus
 Pseudaphycus ferrisianae
Lenania sp.
 Gyranusoidea dilatata
Nipaeococcus graminis (Cockerell)
 Anagyrus sp.
 Leptomastix nigrocoxalis
Nipaeococcus vastator (Maskell)
 Alamella kerrichi
 Anagyrus sp.
 *Cheiloneurus carinatus
 Gyranusoidea munda
 Leptomastix sp.
 *Prochiloneurus comperei
 Timberlaxia gilva
 Timberlaxia signata
Octococcus africanus (Brain)
 *Prochiloneurus aegyptiacus
Octococcus ? *minor* De Lotto
 Leptomastix sp.
Octococcus pentziae Hall
 Clausenia sp.
 Leptomastix sp.
 *Prochiloneurus sp.
Octococcus sp.
 Allocerellus sp.
 Anagyrus sp.
 Aphycus sp.
 Clausenia sobrina
 Gyranusoidea dilatata
 Leptomastidea sp.
 Leptomastix sp.
 *Prochiloneurus pulchellus
 ? *Octococcus* sp.
 Gyranusoidea dilatata
Oxyacanthus chrysocoma (Brain)
 Allococcus vittatus
 Insleyia crassa
 Neodiscodes sp.
- *Prochiloneurus pulchellus
 Yasumatsuiola rubella
Oxyacanthus sp.
 Yasumatsuiola rubella
Paracoccus burnerae (Brain)
 Alamella kerrichi
 Anagyrus sp.
 Clausenia comperei
 Gyranusoidea munda
 Leptomastix nigra
 *Prochiloneurus sp.
 Timberlaxia gilva
 Timberlaxia signata
 ? *Paracoccus burnerae* (Brain)
 Gyranusoidea litura
Paracoccus sp.
 *Prochiloneurus pulchellus
 Gyranusoidea citrina
Pedrococcus sp.
 Anagyrus sp.
 ? *Pedrococcus* sp.
 Aphycus comperei
 *Prochiloneurus aegyptiacus
Peliococcus sp.
 Anagyrus sp.
Phenacoccus madeirensis Green
 Leptomastix bifasciata
Phenacoccus manihoti Matile-Ferrero
 Anagyrus sp.
 Prochiloneurus bolivari
Phenacoccus stelli (Brain)
 Leptomastidea sp.
Phenacoccus sp.
 Anagyrus sp.
Planococcoides njalensis (Laing)
 Anagyrus beneficians
 Anagyrus kivuensis
 Anagyrus pullus
 *Cheiloneurus carinatus
 Clausenia confusor
 Clausenia guineensis
 Leptomastidea abnormis
 Leptomastix bifasciata
 Leptomastix dactylopii
 Leptomastix longipennis
 Neodiscodes abengouroui
 Neodiscodes martinii
 *Prochiloneurus aegyptiacus
 Tropicophryne africana
 Tropicophryne melvillei
Planococcus citri (Risso)
 Anagyrus abyssinicus
 Anagyrus beneficians
 Anagyrus pseudococci
 Anagyrus sp.
 *Cheiloneurus carinatus
 *Cheiloneurus cyanonotus
 Clausenia confusor
 Clausenia guineensis

- Leptomastidea abnormis
 Leptomastix bifasciata
 Leptomastix dactylopii
 Leptomastix longipennis
 Neodiscodes martinii
 Pauridia peregrina
 *Prochiloneurus aegyptiacus
 *Prochiloneurus bolivari
 *Prochiloneurus sp.
 Pseudapycus perdignus
 Tetracnemoidea coffeicola
 Timberlakia gilva
 Tropicophryne africana
 Tropicophryne natalensis
- Planococcus ? citri* (Risso)
 Leptomastix abyssinica
- Planococcus ficus* (Signoret)
 Anagyrus sp.
 Aphycus sp.
 Chrysoplatycerus splendens
 Leptomastidea abnormis
 Leptomastix dactylopii
 Pauridia peregrina
- Planococcus kenyae* (Le Pelley)
 Anagyrus beneficians
 Anagyrus bugandaensis
 Clausenia guineensis
 Gyranusoidea citrina
 Leptomastidea jeanneli
 Leptomastix bifasciata
 Pauridia peregrina
 Tetracnemoidea coffeicola
- Planococcus lamabokensis* Balachowsky & Ferrero
 Anagyrus sp.
 Leptomastix dactylopii
- Planococcus* sp.
 Leptomastix sp.
 Clausenia guineensis
- Pseudococcus bingervillensis* Magnin
 Anagyrus amoenus
 Anagyrus bugandaensis
- Pseudococcus concavocerarii* James
 Clausenia corrugata
 Leptomastix bifasciata
- Pseudococcus hargraevesi* Laing
 Leptomastix bifasciata
- Pseudococcus longispinus* (Targioni Tozzetti)
 Gyranusoidea litura
 Leptomastix sp.
 Tetracnemoidea sp.
- Pseudococcus obscurus* Essig
 Aphycus sp.
 Chrysoplatycerus splendens
- Pseudococcus ocidius* De Lotto
 Leptomastix sp.
- Pseudococcus* sp.
 Anagyrus abyssinicus
 Anagyrus amoenus
 Anagyrus aurantifrons
 Anagyrus bambeyi
- Anagyrus kivuensis
 Anagyrus niger
 Anagyrus nigrescens
 Anagyrus pullus
 Anagyrus subproximus
 Anagyrus sp.
 *Cheiloneurus carinatus
 *Cheiloneurus cyanonotus
 Clausenia sp.
 Leptomastidea jeanneli
 Leptomastix bifasciata
 Leptomastix flava
 Leptomastix hibiscusae
 Leptomastix longipennis
 Leptomastix nigra
 Leptomastix nigrocoxalis
 Leptomastix pauliani
 Leptomastix superba
 Leptomastix sp.
 Neodiscodes comperei
 Neodiscodes martinii
 *Prochiloneurus aegyptiacus
 *Prochiloneurus comperei
 *Prochiloneurus pulchellus
 Tetracnemoidea coffeicola
 Tropicophryne melvillei
- Saccharicoccus sacchari* (Cockerell)
 Anagyrus saccharicola
 Timberlakia sp.
 Tropicophryne melvillei
- Sphaerococcus africanus* Brain
 Aphycus sp.
 Gyranusoidea dilatata
- Sphaerococcus durus* De Lotto
 Allocerellus orestes
 Aphycus sp.
- Spilococcus* sp.
 Anagyrus sp.
 Aphycus sp.
 Leptomastix sp.
 Pauridia peregrina
- ? *Spinococcus* sp.
 Gyranusoidea signata
- Trionymus insularis* James
 Anagyrus sp.
- Vryburgia* sp.
 Aphycus sp.
 Clausenia concinna
- Undetermined Pseudococcidae
 Allocerellus bizonatus
 Allocerellus venustus
 Allocerellus vittatus
 Allocerellus zonatus
 Anagyrus saccharicola
 Apoleptomastix spoliata
 Clausenia capensis
 Doliphoceras siccus
 Gyranusoidea separata
 Metaphaenodiscus capensis
 *Prochiloneurus laticapus
 Tetracnemoidea peregrina

Family PSYLLIDAE

- Agonoscena crotolariae* (Petty)
Psyllaephagus argutus
- Agonoscena* sp.
Psyllaephagus albicrus
Psyllaephagus argutus
- Arytaina mopanei* Petty
Psyllaephagus arytainae
- Ciriacremum capense* Enderlein
Trechnites versicolor
- Diaphorina albomaculata* Capener
Psyllaephagus ornatus
- Diaphorina carissae* (Petty)
Psyllaephagus ornatus
- Diaphorina citri* Kuwayama
Diaphorencyrtus sp.
- Diaphorina loranthe* Capener
Psyllaephagus viridis
- Diaphorina natalensis* (Petty)
Psyllaephagus ornatus
- Diaphorina ? punctulata* (Petty)
Psyllaephagus viridis
- Diaphorina solani* Capener
Psyllaephagus ornatus
- Diaphorina tenebrosa* Capener
Psyllaephagus cincticus
- Diaphorina* sp.
Psyllaephagus cincticus
Psyllaephagus harrisoni
Psyllaephagus ornatus
Psyllaephagus vastus
Psyllaephagus viridis
- Euphalerus marginalis* Capener
 **Aphidencyrtus similis*
- Euphyllura longiciliata* Silvestri
Psyllaephagus oleae
Trechnites manaliensis
- Paurocephala* sp.
Psyllaephagus parvus
- Phytolyma lata* Scott
Psyllaephagus phytolymae
- Pseudophacopteron pretoriensis* Capener
Psyllaephagus capeneri
- Pseudophacopteron* sp.
Psyllaephagus capeneri
- Psylla* sp.
Psyllaephagus chianganus
- Trichohermes insleyae* Capener
Psyllaephagus callainus
- Trioza erythrae* (Del Guercio)
 **Aphidencyrtus cassatus*
 **Cheiloneurus cyanonotus*
Psyllaephagus pulvinatus

- Undetermined Psyllidae
Psyllaephagus bicolor
Psyllaephagus callainus
Psyllaephagus chianganus
Psyllaephagus dispar
Psyllaephagus lucaris
Psyllaephagus rhusae
Psyllaephagus vastus
Trechnites angolensis

Family STICTOCOCCIDAE

- Stictococcus gowdeyi* Newstead
Aethognathus unicolor
- Stictococcus multispinosus* Newstead
Aethognathus afer
Aethognathus bicolor
Aethognathus cavilabris
Aethognathus unicolor
- Stictococcus* sp.
Aethognathus cavilabris

Family TETTIGOMETRIDAE

- Hilda patruelis* Stal
Psyllechthrus oophagus

ORDER HYMENOPTERA

Family ANTHOPHORIDAE

- Allodape exoloma* Strand
Xylencyrtus tridens
- Allodape mucronata* Smith
Xylencyrtus tridens
- Allodape panurgoides* Smith
Xylencyrtus tridens
- Allodape rufogastra* Lepeletier & Serville
Xylencyrtus tridens
- Allodape* sp.
Xylencyrtus tridens
- Allodapula melanopus* (Cameron)
Xylencyrtus mumifex
- Braunsapis leptozonia* (Vachal)
Xylencyrtus tridens
- Ceratina* sp.
 **Cheiloneurus leptulus*
- Xylocopa caffra* (Linnaeus)
Coelopencyrtus callainus
Coelopencyrtus taylori
- Xylocopa flavicollis* (De Geer)
Coelopencyrtus callainus
- Xylocopa flavorufa* (De Geer)
Coelopencyrtus callainus
Coelopencyrtus taylori
Coelopencyrtus watmoughi
- Xylocopa inconstans* Smith
Coelopencyrtus callainus

Xylocopa scioensis Gribodo
Coelopencyrtus cyprius
Xylocopa watmoughi Eardley
Coelopencyrtus sp.

Family COLLETIDAE

Hylaeus heraldicus (Smith)
Coelopencyrtus nothylaei
Hylaeus sp.
Coelopencyrtus nothylaei

Family DRYINIDAE

Paradrynus afer Olmi
Helegonatopus saotomensis
*Cheiloneurus sp.
Pseudogonatopoides mauritianus Williams
*Cheiloneurus gonatopidis
Undetermined Dryinidae
Helegonatopus saotomensis

Family ENCYRTIDAE

Anagyrsus sp.
*Cheiloneurus carinatus
Homalotylus flaminius (Dalman)
*Cheiloneurus cyanonotus
Homalotylus sp.
*Cheiloneurus carinatus
*Cheiloneurus orbitalis
Leptomastix bifasciata Compere
*Cheiloneurus carinatus
*Cheiloneurus aegyptiacus
Leptomastix dactylopii Howard
*Cheiloneurus carinatus
Metaphycus decussatus Annecke & Prinsloo
*Silvestria minor
Neodiscodes martinii Compere
*Cheiloneurus carinatus
Psyllaephagus pulvinatus (Waterston)
*Aphidencyrtus cassatus

Family EULOPHIDAE

Tetrastichus dryi Waterston
*Aphidencyrtus cassatus

Family PTEROMALIDAE

Scutellista cyanea Motschulsky
*Silvestria oleae

ORDER LEPIDOPTERA

Family GELECHIIDAE

Dicranucha serialis Meyrick
Litomastix sp.
Pthorimaea operculella (Zeller)
Copidosoma koehleri

Family LYCAENIDAE

Deodorix antalus (Hopffer)
Hesperencyrtus lycoencephila

Family NOCTUIDAE

Chrysodeixis acuta (Walker)
Litomastix sp.
Ctenoplusia limbirena (Guenée)
Litomastix sp.
Heliothis armigera (Hübner)
Litomastix sp.
Phytometra sp.
Litomastix phytometrae
Plusia sp.
Litomastix phytometrae
Litomastix sp.
Undetermined Noctuidae
Litomastix dellatrei

Family NOTODONTIDAE

Psalisodes artifasciata Hampson
Ooencyrtus senegalensis

Family PAPILIONIDAE

Papilio demodocus Esper
Ooencyrtus demodoci
Ooencyrtus sp.

Family PIERIDAE

Belenois creona Cramer
Ooencyrtus creona
Ooencyrtus lamborni

Family PYRALIDAE

Sylepta derogata (Fabricius)
Paralitomastix varicornis

Family SATURNIIDAE

Cirina forda (Westwood)
Ooencyrtus sp.

Family TORTRICIDAE

Polychrosis incultana (Walker)
Paralitomastix varicornis
Undetermined Lepidoptera
Hesperencyrtus lycoenephila

ORDER NEUROPTERA

Family CHRYSOPIDAE

Chrysopa sp.
Isodromus timberlakei
Undetermined Chrysopidae
Isodromus timberlakei

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