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Studies on the
**Morphology and Systematics of
Scale Insects - No. 13**

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BLACKSBURG, VIRGINIA

**AN ANNOTATED LIST OF GENERIC NAMES
OF THE SCALE INSECTS
(HOMOPTERA: COCCOIDEA)**

THIRD SUPPLEMENT

Compiled by

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**Agricultural Experiment Station Bulletin No. 86-2
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061
1986**



**James R. Nichols, Dean and Director
College of Agriculture and Life Sciences
Virginia Agricultural Experiment Station
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061**

The Virginia Agricultural and Mechanical College came into being in 1872 upon acceptance by the Commonwealth of the provisions of the Morrill Act of 1862 "to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life." Research and investigations were first authorized at Virginia's land-grant college when the Virginia Agricultural Experiment Station was established by the Virginia General Assembly in 1886.

The Virginia Agricultural Experiment Station received its first allotment upon passage of the Hatch Act by the United States Congress in 1887. Other related Acts followed, and all were consolidated in 1955 under the Amended Hatch Act which states "It shall be the object and duty of the State agricultural experiment stations . . . to conduct original and other researches, investigations and experiments bearing directly on and contributing to the establishment and maintenance of a permanent and effective agricultural industry of the United States, including the researches basic to the problems of agriculture and its broadest aspects and such investigations as have for their purpose the development and improvement of the rural home and rural life and the maximum contributions by agriculture to the welfare of the consumer . . ."

In 1962, Congress passed the McIntire-Stennis Cooperative Forestry Research Act to encourage and assist the states in carrying on a program of forestry research, including reforestation, land management, watershed management, rangeland management, wildlife habitat improvement, outdoor recreation, harvesting and marketing of forest products, and "such other studies as may be necessary to obtain the fullest and most effective use of forest resources."

In 1966, the Virginia General Assembly "established within the Virginia Polytechnic Institute a division to be known as the Research Division . . . which shall encompass the now existing Virginia Agricultural Experiment Station . . ."

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MANUSCRIPTS FOR THIS SERIES of bulletins are published as they become available from this university's Coccidology Laboratory in the Department of Entomology. The publisher of these bulletins is the Virginia Agricultural Experiment Station, Virginia Polytechnic Institute and State University.

Only unpublished findings of original research dealing with the morphology, systematics, and biology of scale insects are published. Before publication, as a rule, each manuscript is reviewed by scientists familiar with the subject matter. Reviewers are named under Acknowledgments in each bulletin.

Throughout the world, scale insects are among the most important pests of agricultural, silvicultural, ornamental, and greenhouse plantings. More than 6,000 species are known; and adequate descriptions, illustrations, and keys that could enable specialists to make identification before attempting control are lacking even for the more common species. It is difficult to detect scale insects on plants because they are extremely small and often hidden. Therefore, this series of bulletins was initiated to expand our knowledge of scale insects.

COMPOSITION AND PRESSWORK BY
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
BLACKSBURG, VIRGINIA

AN ANNOTATED LIST OF GENERIC NAMES OF THE SCALE INSECTS
(HOMOPTERA: COCCOIDEA)

THIRD SUPPLEMENT

Compiled by MICHAEL KOSZTARAB, *Virginia Polytechnic Institute and State University, Blacksburg, VA 24061, USA*; YAIR BEN-DOV, *Department of Entomology, Agricultural Research Organization, Bet Dagan, 50 200, Israel*; and MATILDA P. KOSZTARAB.

When Morrison and Morrison (1966) published "An annotated list of generic names of scale insects (Homoptera: Coccoidea)" they introduced a valuable reference book which proved useful to workers in systematics of the group. Subsequent issues of the first (Russell, 1970) and second (Kosztarab and Russell, 1974) supplements are obvious indications of the need among coccidologists for a continuation in publishing such compilations.

This third supplement lists 106 names. These were described between December 31, 1972, the cutoff date of the second supplement, and December 31, 1985, with one exception, *Oregmopyga*.

The format is similar to that of the earlier publications. The entries are arranged alphabetically, each presenting the reference to the original description and the type-species. A brief discussion for each genus is presented with its assignment to higher categories in the Coccoidea. Relationships to other genera are given as indicated by the describers, or in case of lack of such indication, by the compilers of this publication.

The list of references includes all the post-1972 publications cited in this Supplement. The coding to earlier publications is taken from: Morrison and Renk (1957), Morrison and Morrison (1965) and Russell et al. (1974).

To facilitate easy retrieval of the new generic names, an index is provided, listing these by families. Nomina nuda, junior homonyms, and published replacement names, or nomina nova, are included in this compilation, while corrections on genera, taxonomic reassignments, junior, subjective and objective synonyms, also the Opinions 1192, 1203, 1247, and 1303 of the International Commission on Zoological Nomenclature published between January 1, 1973, and December 31, 1985, are included in an Appendix.

Our thanks are extended to coccidologists who provided needed articles for this compilation, and also to the U.S. Department of Agriculture, Systematic Entomology Laboratory, for our free access to their excellent coccidology literature files, and for providing funds to the first author for cataloging and indexing Coccoidea literature, greatly facilitating this compilation. Finally, the authors wish to express their appreciation to Ms. Mary H. Rhoades for her technical assistance with the preparation of the final manuscript, and Ms. Mary C. Holliman for editing this publication.

ABDITICOCCUS Lambdin and Kosztarab, 1975:316.

TYPE-SPECIES: *Amorphococcus acaciae* Brain, 1918, by original designation and monotypy.

The authors assigned this genus to the Asterolecaniidae, and noted affinities to *Amorphococcus* Green, *Asterolecanium* Targioni Tozzetti, *Hsuia* Ferris, and *Polea* Green.

ACALYPTOCOCCUS Lambdin and Kosztarab, 1977:245.

TYPE-SPECIES: *Acalyptococcus eugeniae* Lambdin and Kosztarab, 1977, by original designation and monotypy.

The authors described this genus in the Eriococcidae, closely related to *Scutare* Brittin.

ACINICOCCUS Williams, 1985a:40.

TYPE-SPECIES: *Aciniccoccus triodiae* Williams, 1985, by original designation.

The author placed this genus in the Pseudococcidae, noting its resemblance in some features to *Erioides* Green and *Porococcus* Cockerell.

ALEUCASPIS Takagi, 1977a:5.

TYPE-SPECIES: *Aleucaspis salla* Takagi, 1977a, by original designation and monotypy.

The author assigned this genus to the Diaspididae, noting that it is a pupillarial form of the Parlatorini in general features being very similar to *Leucaspis* Targioni Tozzetti.

ALLOKERMES Bullington and Kosztarab, 1985:28.

TYPE-SPECIES: *Kermes galliformis* Riley, 1881, by original designation.

The authors proposed this genus for the inclusion of 11 North American species (two new) placed earlier in *Kermes* Boitard.

APODASTOCOCCUS Williams, 1985a:46.

TYPE-SPECIES: *Apodastococcus onar* Williams, 1985a, by original designation.

This genus was placed in the Pseudococcidae, closely related to *Chorizococcus* McKenzie and to *Spilococcus* Ferris.

ASTELIACOCCUS Williams, 1985a:51.

TYPE-SPECIES: *Asteliacoccus margaretae* Williams, 1985a, by original designation and monotypy.

The author established this genus in the Pseudococcidae, with indications to its affinity to *Balanococcus* Williams, *Kiritshenkella* Borchsenius, and *Trionymus* Berg.

AUSTRALICOCCUS Williams, 1985a:53.

TYPE-SPECIES: *Dactylopius grevilleae* Fuller, 1899, by original designation.

The author introduced this genus in the Pseudococcidae, and indicated its similarity to *Amonostherium* Morrison and Morrison, *Naiacoccus* Green, *Nipaecoccus* Sulc, *Pseudoripersia* Cockerell, and *Trabutina* Marchal. He also transferred *Dactylopius hibertiae* Maskell to this genus.

AUSTRALIPUTO Williams, 1985a:60.

TYPE-SPECIES: *Pseudococcus casuarinae* Maskell, 1893b, by original designation.

The genus was assigned to the Pseudococcidae as belonging to the family-group name Putoidae and accommodates two Australian species which differ from the *Puto*-group of genera. A new species, *A. eucalypti* Williams, was also included in this genus.

AVIDOVASPIS Gerson and Davidson, 1974:159.

TYPE-SPECIES: *Avidovaspis phoenicis* Gerson and Davidson, 1974, by original designation and monotypy.

The authors established this genus in the Melanaspidina, Aspidiotini of the Diaspididae, related to *Greenoidea* MacGillivray.

AVRICUS De Lotto, 1975:61.

TYPE-SPECIES: *Ceroplastodes psychotriae* De Lotto, 1956b, by original designation.

The author assigned this genus to the Coccidae, and indicated that additional five African species of *Ctenochiton* Maskell should be also referred to it.

BIRENDRACOCCLUS Ali, 1975:279.

TYPE-SPECIES: *Dactylopius saccharifolii* Green, 1908a, by original designation and monotypy.

This genus was established by the author in the Pseudococcidae, close to *Ceroputo* Sulc and *Phenacoccus* Cockerell.

BONINOCOCCUS Kawai, 1973:316.

TYPE-SPECIES: *Boninococcus miscanthi* Kawai, 1973, by original designation and monotypy.

The author described this genus in the Pseudococcidae, and noted that its relations to other genera are not clear.

BROOKESIELLA Lambdin and Kosztarab, 1974:409.

TYPE-SPECIES: *Brookesiella tubers* Lambdin and Kosztarab, 1974, by original designation and monotypy.

The authors described this genus in the Lecanodiaspididae, and noted its close relation to *Psoralecoccus* Borchsenius, and some affinities with *Anomalococcus* Green and *Pterococcus* Howell and Kosztarab.

CALLITRICOCCUS Williams, 1985a:65.

TYPE-SPECIES: *Callitricoccus probolus* Williams, 1985a, by original designation and monotypy.

Established in the Pseudococcidae for an Australian species, with indication of certain similarities to *Dysmicoccus* Ferris.

CAPITISETELLA Hambleton, 1977a:40.

TYPE-SPECIES: *Pseudorhizoecus migrans* Green, 1933, by original designation and monotypy.

The author described this genus in the Pseudococcidae, very close to the rhizoecine genera *Brevicoccus* Hambleton and *Pseudorhizoecus* Green.

CELATICOCCUS Lambdin and Kosztarab, 1976a:56.

TYPE-SPECIES: *Sphaerococcus cantentulatus* Froggatt, 1921b, by original designation and monotypy.

The authors established this genus in the Lecanodiaspididae, and noted that it is related to *Brookesiella* Lambdin and Kosztarab and to *Gallinococcus* Lambdin and Kosztarab.

CHAETOTRIONYMUS Williams, 1985a:71.

TYPE-SPECIES: *Chaetotrionymus pachylus* Williams, 1985a, by original designation.

The describer placed this genus in the Pseudococcidae, noting its close affinity to *Trionymus* Berg. A second new species, *C. murnpeowiensis* Williams, was also included in this genus.

(CHAMBERLINIA) see at KERRIA (CHAMBERLINIA)

CHILECOCCUS Miller and Gonzalez, 1975:132.

TYPE-SPECIES: *Chilecoccus browni* Miller and Gonzales, 1975, by original designation.

The authors established this unusual genus in the Eriococcidae, also assigned a second new species, *C. spinosus* Miller and Gonzales, to it.

CHUASPIS Tao and Wong, 1982:123.

TYPE-SPECIES: *Tsukushiaspis neolinaris* Takahashi, 1930, by original designation.

The authors described this genus in the Diaspididae very close to *Kuwanaspis* MacGillivray, and also included in it a new species, *C. shuichuensis* Tao and Wong.

CONULICOCOCUS Williams, 1985a:86.

TYPE-SPECIES: *Conulicoccus beardleyi* Williams, 1985a by original designation.

The author described this genus in the Pseudococcidae, for the inclusion of three new species. He indicated its placement among the genera of mealybugs, e. g. *Callulacoccus* Beardsley, that are turbinate in shape or with a tapering abdomen.

COORONGIA Williams, 1985a:92.

TYPE-SPECIES: *Coorongia gahniae* Williams, 1985, by original designation and monotypy.

The genus was described in the Pseudococcidae,, together with notes on resemblance and differences from the grass-infesting genera, *Balanococcus* Williams, *Saccharicoccus* Ferris, and *Syrmococcus* Ferris.

CRESCOCCUS Wang, 1982:87.

TYPE-SPECIES: *Crescoccus candidus* Wang, 1982, by original designation and monotypy.

The author described this genus in the Lecanodiaspididae.

CYPERICOCCUS Williams, 1985a:103.

TYPE-SPECIES: *Cypericoccus multipori* Williams, 1985, by original designation and monotypy.

Described in the Pseudococcidae with indication to apparent affinities with the *Sphaerococcus-Antonina* group.

DAWA Williams, 1985a:105.

TYPE-SPECIES: *Dawa karrinyupae* Williams, 1985a, by original designation and monotypy.

The author established this genus in the *Phenacoccus* group of genera of the Pseudococcidae, and noted its affinity to some genera related to *Peliococcus* Borchsenius.

DUCTOFRONTASPIS Young and Hu, 1981:209, 212.

TYPE-SPECIES: *Ductofrontaspis huangyanensis* Young and Hu, 1981, by original designation.

The genus, comprising of three species, was assigned by the authors to the Diaspididae, close to *Paralepidosaphes* Borchsenius.

ETIENNEA Matile-Ferrero, 1984:100.

TYPE-SPECIES: *Etiennaea villiersi* Matile-Ferrero, 1984, by original designation and monotypy.

This genus was described by the author in the Coccidae, with indication to its affinity with *Anopulvinaria* Fonseca and *Hemilecanium* Newstead.

EUCALYPTOCOCCUS Williams, 1985a:154.

TYPE-SPECIES: *Puto gisleni* Ossiannilsson, 1954, by original designation.

The author described this genus in the Pseudococcidae for three Australian species which resemble species of *Puto* in the general appearance of the cerarii, but it is more closely related to *Dysmicoccus* Ferris.

EXALLOCOCCUS Miller and Gonzalez, 1975:148.

TYPE-SPECIES: *Exallococcus laureliae* Miller and Gonzalez, 1975, by original designation and monotypy.

The authors placed this genus to the Eriococcidae, noting that it is an extremely unusual member in the family.

FELIXIELLA Almeida, 1973:5.

TYPE-SPECIES: *Felixiella infulenensis* Almeida, 1973, by original designation and monotypy.

This genus was assigned by the describer to Aspidiotini-Aonidina of the Diaspididae, with indicated relations to *Doriopus* Brimblecombe and *Hybridaspis* Green.

FERREROASPIS Kozar, 1983:92.

TYPE-SPECIES: *Acanthomytilus hungaricus* Vinis, 1981, by original designation and monotypy.

The describer placed this genus in the Diaspididae, close to *Acanthomytilus* Borchsenius and to *Nilotaspis* Ferris.

FLORACOCCUS Beardsley, 1974:325.

TYPE-SPECIES: *Sphaerococcus elevans* Maskell, 1895b, by original designation and monotypy.

The author assigned this genus to the Eriococcidae, to include a gall-forming coccoid species and indicated a relationship with *Cryptococcus* Douglas (Cryptococcidae).

GALLINOCOCCUS Lambdin and Kosztarab, 1973:54.

TYPE-SPECIES: *Gallinococcus ferrisi* Lambdin and Kosztarab, 1973, by original designation and monotypy.

The authors established this genus in the Lecanodiaspididae, for a gall-forming species. Its affinity was noted with the Eucalypti-group of species of *Lecanodiaspis* Targioni Tozzetti.

GEODIASPIS Tippins and Howell, 1973:399.

TYPE-SPECIES: *Geodiaspis arundinariae* Tippins and Howell, 1973, by original designation and monotypy.

The authors placed this genus in Diaspidini of the Diaspididae, close to *Pseudaulacaspis* MacGillivray.

GLYCYCNYZA Danzig, 1974:290.

TYPE-SPECIES: *Glycycnyza turangicola* Danzig, 1974, by original designation and monotypy.

The author described this genus in the Pseudococcidae for a peculiar mealybug adapted to arid habitat.

GOMEZMENORICOCCUS Kozar and Walter, 1985:68.

TYPE-SPECIES: *Balachowskya hispanica* Gomez-Menor, 1956, by original designation and monotypy.

The authors proposed this as a replacement name for *Balachowskya* Gomez-Menor 1956, preoccupied by *Balachowskya* Peyerimhoff, 1928, in the Coleoptera. Gomez-Menor (1956) placed the genus close to *Rhodania* Goux in the Pseudococcidae.

GRAMMOCOCCUS Miller and Lambdin, 1978:240.

TYPE-SPECIES: *Grammococcus adetocorymbus* Miller and Lambdin, 1978, by original designation and monotypy.

The authors assigned this genus to the Asterolecaniidae, and noted its relation to *Polea* Green. They also included in it a second new species, *G. corymbus* Miller and Lambdin.

GREGOPORIA Danzig, 1979:46.

TYPE-SPECIES: *Gregoporia distincta* Danzig, 1979, by original designation and monotypy.

The author placed this genus in the Eriococcidae, noting its similarity to *Greenisca* Borchsenius.

GYNANDRASPIS Balachowsky and Matile-Ferrero, 1980:69.

TYPE-SPECIES: *Gynandraspis gabonensis* Balachowsky and Matile-Ferrero, 1980, by original designation and monotypy.

The authors placed this genus to the Diaspidini in the Diaspididae, with indicated affinities to *Marchalaspis* MacGillivray and to *Triraphaspis* Balachowsky.

HADROCOCCUS Williams, 1985a:168.

TYPE-SPECIES: *Hadrococcus pultenaeae* Williams, 1985a, by original designation.

This genus was erected in the Pseudococcidae for two new Australian species having a reduced anal ring.

HADZIBEJLIASPIS Koteja, 1978:317.

TYPE-SPECIES: *Exaeretopus stipae* Hadzibejli, 1960, by original designation and monotypy.

The author placed this genus in the Eriopeltini of the Coccidae, and noted some affinities with *Exaeretopus* Newstead, *Lecanopsis* Targioni Tozzetti, and *Luzulaspis* Cockerell.

HOCKIANA Richard, 1976:661.

TYPE-SPECIES: *Hockiana insolitus* Richard, 1976, by original designation.

The describer introduced this as a third genus in the Stictococcidae, close to *Parastictococcus* Richard, and included a second new species, *H. hirsutus* Richard, in it.

ICELOCOCCUS Miller and Gonzalez, 1975:152.

TYPE-SPECIES: *Icelococcus nothofagi* Miller and Gonzalez, 1975, by original designation and monotypy.

The authors referred this genus to the Eriococcidae and noted its similarity to *Madarococcus* Hoy and *Phloeococcus* Hoy.

ITYOCOCCUS Williams, 1985a:178.

TYPE-SPECIES: To be designated by Williams in 1986.

The author introduced the genus in the Pseudococcidae for the inclusion of three new Australian species, with a turbinate shape and characterized in having the dorsum of the anal lobe segment almost completely sclerotized.

KAWECKIA Koteja and Zak-Ogaza, 1981:502.

TYPE-SPECIES: *Eriococcus glyceriae* Green, 1921, by original designation.

The authors placed this genus in the Eriococcidae with affinities to the New World *Ovaticoccus* group as understood by Miller and McKenzie (1967). They assigned five species to the genus.

KENMOREA Williams, 1985a:185.

Type-species: *Kenmorea laxmanniae* Williams, 1985, by original designation and monotypy.

A peculiar genus established in the Pseudococcidae, with indicated relationship to *Australicoccus* Williams and *Hypogeococcus* Rau, but distinguished in having tapering antennae and wide lanceolate setae on the posterior abdominal segment.

KERMICOIDES Tang, 1977:24.

TYPE-SPECIES: *Kermicoides minimus* Tang, 1977, by original designation and monotypy.

The author described this genus in the Pseudococcidae. Apparently it belongs to the legless mealybug group close to *Antonina* Signoret.

KERRIA (CHAMBERLINIA) Varshney, 1984:365.

TYPE-SPECIES: *Tachardia greeni* Chamberlin, 1923, by original designation.

The author described this as a subgenus of *Kerria* Targioni Tozzetti in the Tachardiidae (Kerriidae), and included in it four species known from South East Asia and Australia. *Chamberlinia*, as a genus-group name, was already introduced by Machado in 1951, for Myriapoda. Therefore it is here considered a junior homonym, and Varshney has been asked to provide a replacement name.

KUWANIELLA Tang, 1984b:123.

TYPE-SPECIES: presumed to be *Kuwaniella zizyphi* Tang, 1984 (a nomen nudum).

The author placed this genus, a nomen nudum, in the Margarodidae.

LONGICOCCUS Danzig, 1975a:49.

TYPE-SPECIES: *Mirococcus clarus* Borchsenius, 1949, by original designation.

The author indicated the relation of this genus in the Pseudococcidae, with *Mirococcus* Borchsenius, and referred to it five additional species and a new one, *L. cerariiferus* Danzig.

LONGICOCCUS Tang, 1977 (non: Danzig, 1975a):26.

TYPE-SPECIES: *Longicoccus elongatus* Tang, 1977, by original designation and monotypy.

The author established this genus in the Pseudococcidae. This generic name is preoccupied by *Longicoccus* Danzig, 1975, in the Pseudococcidae. A replacement name was already proposed. See it under *Tangicoccus* Kozar and Walter.

MAACOCCUS Tao and Wong, *In* Tao et al, 1983:71.

TYPE-SPECIES: *Lecanium bicruciatum* Green, 1904d, by original designation.

The authors described this genus in the Coccidae, indicating its close affinity to *Coccus* Linnaeus. Tao (personal communication) restricted authorship of the five new genera in this article to Tao and Wong, indicating such for one of the new genera, but not for the other four.

MADANGIACOCCUS Williams, 1985a:201.

TYPE-SPECIES: *Madangiacoccus araucariae* Williams, 1985a, by original designation and monotypy.

Established in the blue-green colored group of genera in the Pseudococcidae, close to *Australicoccus* Williams and *Nipaecoccus* Sulc, and distinguished from other genera by the body shape and distributional pattern of the dorsal setae and trilocular pores.

MAMETIA Matile-Ferrero, 1978:44.

TYPE-SPECIES: *Mametia louisieae* Matile-Ferrero, 1978, by original designation.

The author described this genus in the Coccidae, very close to *Ceronema* Maskell, *Filippia* Targioni Tozzetti, *Lichtensia* Signoret, and *Stotzia* Marchal.

MARGARODESIA Foldi, 1981:331.

TYPE-SPECIES: *Margarodesia desmieri* Foldi, 1981, by original designation and monotypy.

The author placed this genus in the Margarodidae, close to *Eumargarodes* Jakubski and *Porphyrophora* Brandt.

MEGAPULVINARIA Young, 1982:162.

TYPE-SPECIES: *Pulvinaria maxima* Green, 1904a, by original designation and monotypy.

The author introduced this genus in the Pulvinariini of the Coccidae.

MELANOCOCCUS Williams, 1985a:203.

TYPE-SPECIES: *Dactylopius albizziae* Maskell, 1892, by original designation.

The author introduced this genus in the Pseudococcidae for a natural group of 11 Australian species all known from *Acacia*. He indicated its relationship to *Epicoccus* Cockerell and *Mutabilicoccus* Williams.

MESEMBRYNA De Lotto, 1979:245.

TYPE-SPECIES: *Mesembryna fasciata* De Lotto, 1979, by original designation.

The author described this genus in the Coccidae and pointed to similarities with *Pulvinariella* Borchsenius in morphological features and in host plant specificity.

METAPULVINARIA Nakahara and Gill, 1985:36-37.

TYPE-SPECIES: *Lichtensia lycii* Cockerell, 1895, by original designation and monotypy.

The authors placed this genus in the Coccidae close to *Philephedra* Cockerell in the Pulvinariini.

MOYSTONIA Williams, 1985a:226.

TYPE-SPECIES: *Moystonia nevoissi* Williams, 1985a, by original designation and monotypy.

It was placed in the group of the blue-green colored genera of the Pseudococcidae, and is distinguished mainly in possessing a round circulus and numerous conical setae on dorsum.

NANMUASPIS Tang, 1977:148.

TYPE-SPECIES: *Nanmuaspis phoebia* Tang, 1977, by original designation and monotypy.

The author described this genus in the Diaspididae, close to *Dentaspis* MacGillivray. Tang (1981) redescribed the type species, and transferred it to *Megacanthaspis* Takagi, 1961. Takagi (1981) also considered *Nanmuaspis* as a junior subjective synonym of *Megacanthaspis*, and besides *N. phoebia* he included four other species in the latter genus.

NANOKERMES Bullington and Kosztarab, 1985:87.

TYPE-SPECIES: *Kermes pubescens* Bogue, 1898, by original designation.

The authors proposed this new genus for the inclusion of leaf-infesting Kermesidae, and included three species in it.

NARAYANASPIS Takagi, 1985:20.

TYPE-SPECIES: *Narayanaspis eugeniae* Takagi, 1985, by original designation and monotypy.

This genus is included in the Diaspididae close to *Chionaspis* Signoret.

NEOQUERNASPIS Howell and Takagi, 1981:487.

TYPE-SPECIES: *Quernaspis nepalensis* Takagi, 1977b by original designation.

The authors placed this genus with three East Asian species in Chionaspidini of the Diaspididae, and noted morphological similarities with *Quernaspis* Ferris.

NEOSAISETIA Tao and Wong, *In* Tao et al., 1983:79.

TYPE-SPECIES: *Neosaissetia tropicalis* Tao and Wong, 1983, by original designation and monotypy.

The authors indicated relationship to *Parasaissetia* Takahashi, *Saissetia* Deplanche, and to *Taiwansaissetia* Tao and Wong in the Coccidae.

NESTICOCCUS Tang, 1977:28.

TYPE-SPECIES: *Nesticoccus sinensis* Tang, 1977, by original designation and monotypy.

The describer assigned this genus to the Pseudococcidae close to *Paludicoccus* Ferris. Apparently it belongs to the legless mealybugs, Sphaerococcini.

OCEANASPIDIOTUS Takagi, 1984:16.

TYPE-SPECIES: *Octaspidiotus araucariae* Adachi and Fullaway, 1953, by original designation.

The author assigned this genus to Aspidiotini of the Diaspididae, and noted its affinity to *Octaspidiotus* MacGillivray.

OREGMOPYGA Hoy, 1963:179.

TYPE-SPECIES: *Eriococcus neglectus* Cockerell, 1895, by original designation.

The author proposed *Oregmopyga* as a new name for *Onceropyga* Ferris, 1955, which was preoccupied by *Onceropyga* Turner, 1906, in the Lepidoptera.

PALAEOMYTILUS Borchsenius, 1978:110.

TYPE-SPECIES: *Palaeomytilus daphniphylli* Borchsenius, 1978, by original designation and monotypy.

The author described this genus with two species close to *Parainsulaspis* Borchsenius and *Paralepidosaphes* Borchsenius in the Diaspididae.

PARACUPIDASPIS Howell and Tippins, 1981:419.

TYPE-SPECIES: *Paracupidaspis wilkeyi* Howell and Tippins, 1981, by original designation and monotypy.

The authors placed this genus in Diaspidini of the Diaspididae, close to *Cupidaspis* MacGillivray.

PARADISCOCOCCUS Williams, 1985a:253.

TYPE-SPECIES: *Paradiscococcus hudsoni* Williams, 1985a, by original designation and monotypy.

The author described this genus in the Pseudococcidae, noting its affinity to *Discococcus* Ferris and *Prorsococcus* Williams.

PARAFERRISIA Williams and de Boer, 1973:238.

TYPE-SPECIES: *Trionymus podocarpi* Brittin, 1938, by original designation and monotypy.

The authors described this genus in the Pseudococcidae, close to *Ferrisia* Fullaway.

PARAKERMES Fonseca, 1973:247.

TYPE-SPECIES: *Parakermes brasiliensis* Fonseca, 1973. It is here assumed to be the intended type-species, and not *Akermes andersoni* Newstead, the second species transferred to this genus, but without description, in the 1973 article.

The genus was established in the Coccidae with indicated affinities to *Akermes* Cockerell, *Cribrolecanium* Green, and *Hemilecanium* Newstead.

PARAMONOSTHERIUM Williams, 1985a:255.

TYPE-SPECIES: *Paramonostherium richardsi* Williams, 1985a, by original designation and monotypy.

The genus was described in the Pseudococcidae, with indications that it resembles *Amonostherium* Morrison and Morrison and *Australicoccus* Williams.

PERIDIOCOCCUS Williams, 1985a:259.

TYPE-SPECIES: *Sphaerococcus stypheliae* Maskell, 1895b, by original designation.

The genus was described in the Pseudococcidae, related to the genera of legless mealybugs, Sphaerococcini, with pore plates at the site of the hind coxae.

PHASPIS Ben-Dov, 1974b:317.

TYPE-SPECIES: *Phaspis lobulata* Ben-Dov, 1974b, by original designation and monotypy.

The describer placed this genus in Melanaspidina, Aspidiotini of the Diaspididae.

PLOTOCOCCUS Miller and Denno, 1977:146.

TYPE-SPECIES: *Plotococcus eugeniae* Miller and Denno, 1977, by original designation and monotypy.

The authors assigned this genus to the Pseudococcidae, with indicated resemblance in unique constellation of biological and morphological features to *Leptococcus* Reyne and *Macrocepicooccus* Morrison.

POASPIS Koteja, 1978:320.

TYPE-SPECIES: *Luzulaspis jahandiezi* Balachowsky, 1932c, by original designation.

The author established this genus for several grass-infesting species originally assigned to *Luzulaspis* Cockerell, in the Eriopeltini of the Coccidae. He noted for *Poaspis* an intermediate position between *Luzulaspis* Cockerell and *Exaeretopus* Newstead.

PODOPARALECANIUM Tao and Wong, *In* Tao and Wong, 1983:100.

TYPE-SPECIES: *Paralecanium machili* Takahashi, 1933, by original designation and monotypy.

The authors placed this genus in the Coccidae close to *Paralecanium* Cockerell.

POECILOCOCCUS Brookes, 1981:127.

TYPE-SPECIES: *Poecilococcus longilobus* Brookes, 1981, by original designation and monotypy.

The genus was included in the Pseudococcidae with affinities to *Eurycoccus* Ferris and *Trionymus* Berg.

PRORSOCOCCUS Williams, 1985a:275.

TYPE-SPECIES: *Prorsococcus acanthodus* Williams, 1985a, by original designation and monotypy.

The author described this genus in the Pseudococcidae for an Australian species possessing several striking characters, notably the simple anal ring and the thornlike, posteriorly and laterally directed setae on the venter.

PTEROCOCCUS Howell and Kosztarab, 1973:1358.

TYPE-SPECIES: *Lecanodiaspis duriana* Takahashi, 1952, by original designation and monotypy.

The authors placed this genus in the Lecanodiaspididae, and noted that it has some similarities to *Anomalococcus* Green, *Lecanodiaspis* Targioni Tozzetti, and *Psoraleococcus* Borchsenius.

SACCHARIPULVINARIA Tao and Wong, *In* Tao et al, 1983:85.

TYPE-SPECIES: *Coccus iceryi* Signoret, 1868, by original designation.

The authors described this genus very close to *Pulvinaria* Targioni Tozzetti in the Coccidae, and proposed the transfer of *Pulvinaria longisqua* De Lotto and *P. sacchari* De Lotto to it. They designated *Coccus iceryi* Signoret, 1868, as type-species, but from further discussion it is evident that they refer to *Lecanium iceryi* Signoret, 1869:95 which--so adequately elucidated under *Pulvinaria iceryi* (Signoret) by Mamet (1958)--is the senior valid name for this species, whereas the former is a nomen nudum. Therefore, in our opinion, the type-species for this genus is *Lecanium iceryi* Signoret, 1869:95.

SACCHAROLECANIUM Williams, 1980:435.

TYPE-SPECIES: *Lecanium krugeri* Zehntner, 1897, by original designation and monotypy.

The author assigned this genus in the Coccidae to the tribe Paralecaniini, closely related to *Marsipococcus* Cockerell and Bueker, *Platylecanium* Cockerell and Robinson, and *Neoplatylecanium* Takahashi.

SAROCOCCUS Williams and de Boer, 1973:244.

TYPE-SPECIES: *Ripersia fagi* Maskell, 1891, by original designation and monotypy.

The authors assigned this genus to the Planococcini of the Pseudococcidae close to *Ferrisicoccus* Ezzat and McConnell.

SELENASPIDOPSIS Nakahara, 1984:935.

TYPE-SPECIES: *Selenaspidopsis browni* Nakahara, 1984, by original designation.

The author described this genus in the Diaspididae, as a member of the *Selenaspis* complex of genera belonging to the Aspidiotini.

SHANSIASPIS Tang, 1981:49, 54.

TYPE-SPECIES: *Shansiaspis sinensis* Tang, 1981, by original designation and monotypy.

The author established this genus in the Diaspididae, close to the *Chionaspis* group of genera.

SINOQUERNASPIS Takagi and Tang, 1982:100.

TYPE-SPECIES: *Sinoquernaspis gracilis* Takagi and Tang, 1982, by original designation and monotypy.

The authors introduced this genus in the *Quernaspis* group of the Diaspididae, close to *Neoquernaspis* Howell and Takagi and *Quernaspis* Ferris.

SONSAUCOCCUS: Young, 1980:188.

TYPE-SPECIES: *Matsucoccus sinensis* Chen, 1937, by original designation and monotypy.

The author assigned this genus to the Margarodidae and gave characters for separation from *Matsucoccus* Cockerell.

STIBOCOCCUS Miller and Gonzalez, 1975:154.

TYPE-SPECIES: *Stibococcus cerinus* Miller and Gonzalez, 1975, by original designation and monotypy.

The authors established this genus in the Eriococcidae.

STICTACANTHUS Lambdin and Kosztarab, 1973:84.

TYPE-SPECIES: *Lecanodiaspis azadirachtae* Green, 1909a, by original designation and monotypy.

The authors described this genus in the Lecanodiaspididae, with close affinities to the *Quercus* group of *Lecanodiaspis* Targioni Tozzetti.

STROMBOCOCCUS Williams, 1985a:362.

TYPE-SPECIES: *Strombococcus melaleucaae* Williams, 1985a, by original designation and monotypy.

The describer indicated that this genus belongs to the group of blue-green colored genera in the Pseudococcidae, close to *Hypogeococcus* Rao and *Ventrispina* Williams.

SUPERTURMASPIS Chen, 1983:85, 97, 173.

TYPE-SPECIES: *Chionaspis schizosoma* Takagi, 1970, by original designation.

The author placed this genus in the Diaspididae and also included in it *Chionaspis uenoi* Takagi, 1970.

SYMONICOCCUS Koteja and Brookes, 1981:378.

TYPE-SPECIES: *Symonicoccus stipae* Koteja and Brookes, 1981, by original designation.

The authors established this genus in the Coccidae, for six grass-infesting species from Australia. Though noted to resemble *Luzulaspis* Cockerell, the genus was not related to any of the other Eriopeltini.

TAIWANSAISSETIA Tao and Wong, *In* Tao et al., 1983:76.

TYPE-SPECIES: *Lecanium formicarii* Green, 1896, by original designation.

The authors described this genus in the Coccidae close to *Neosaissetia* Tao and Wong, also to *Saissetia* Deplanche.

TAKAGIA Tang, 1984a:107.

TYPE-SPECIES: *Takagia sishanensis* Tang, 1984, by original designation and monotypy.

The author assigned this genus to the subtribe Pseudaonidina of Aspidiotini in the Diaspididae, with indicated resemblance to the Australian genera *Dichosoma* Brimblecombe, *Mimeraspis* Brimblecombe, and *Neomorgania* MacGillivray.

TANGICOCCUS Kozar and Walter, 1985:73.

TYPE-SPECIES: *Longicoccus elongatus* Tang, 1977, by original designation and monotypy.

This name was proposed to honor Professor F. T. Tang, and to provide replacement of the junior homonym *Longicoccus* Tang, 1977. Tang (1977) placed this genus close to *Chaetococcus* Maskell in the Pseudococcidae.

TASMANICOCCUS Williams, 1985a:364.

TYPE-SPECIES: *Tasmanicoccus petrensis* Williams, 1985a, by original designation and monotypy.

The genus was introduced in the Pseudococcidae, for an Australian species, and indications were given to similarity with *Eurycoccus* Ferris, *Trionymus* Berg, and *Villosicoccus* Williams.

TEGMELANASPIS Chen, 1983:28, 29, 92, 118.

TYPE-SPECIES: *Tegmelanaspis mediforma* Chen, 1983, by original designation and monotypy.

The author placed this genus in the Diaspididae and indicated resemblance to *Unaspis* MacGillivray.

TRIJUBA De Lotto, 1975:62.

TYPE-SPECIES: *Saissetia oculata* Brain, 1920a, by original designation and monotypy.

The author placed this genus in the Coccidae.

TRISCHNASPIS Ben-Dov, 1974a:29.

TYPE-SPECIES: *Ischnaspis bipindensis* Lindinger, 1909, by original designation and monotypy.

The author placed this genus close to *Ischnaspis* Douglas in the Diaspididae.

VENTRISPINA Williams, 1985a:377.

TYPE-SPECIES: *Ventrispina lathetica* Williams, 1985, by original designation.

The author described this genus in the group of blue-green colored genera of the Pseudococcidae, included in it three Australian species all known from high elevations in leaf litter.

VILLOSICOCCUS Williams, 1985a:383.

TYPE-SPECIES: *Villosicoccus eucalypti* Williams, 1985a, by original designation.

The genus was erected in the Pseudococcidae for two Australian species all feeding on *Eucalyptus*. Affinities were indicated with *Chaetotrionymus* Williams, but distinguished by the thick claw-like legs.

VIRGULICOCCUS Lambdin and Kosztarab, 1973:90.

TYPE-SPECIES: *Birchippia americana* Leonardi, 1911, by original designation and monotypy.

The authors established this genus in the Lecanodiaspididae, and noted the extremely pronounced morphological differences between this and the related genera.

WARICOCCUS Brookes and Koteja, 1982:183.

TYPE-SPECIES: *Waricoccus parvisetosus* Brookes and Koteja, 1982, by original designation and monotypy.

The authors placed this genus in the Coccidae with affinities to *Symonicoccus* Koteja and Brookes.

YUDNAPINNA Williams, 1985a:390.

TYPE-SPECIES: *Yudnapinna radicalis* Williams, 1985a, by original designation and monotypy.

The author described this genus in the Pseudococcidae, pointing to its similarity with *Australicoccus* Williams and *Ventrispina* Williams.

LIST OF GENERIC NAMES BY FAMILIES PROPOSED AFTER 1972
 [Except *Oregmopyga* proposed in 1963, and *Kerria*
 (*Chamberlinia*) a subgeneric name]

ASTEROLECANIIDAE

- ABDITICOCCUS Lambdin and
 Kosztarab, 1975
 GRAMMOCOCCUS Miller and
 Lambdin, 1978

COCCIDAE

- AVRICUS De Lotto, 1975
 ETIENNEA Matile-Ferrero, 1984
 HADZIBEJLIASPIS Koteja, 1978
 MAACOCCUS Tao and Wong, 1983
 MAMETIA Matile-Ferrero, 1978
 MEGAPULVINARIA Young, 1982
 MESEMBRYNA De Lotto, 1979
 METAPULVINARIA Nakahara
 and Gill, 1985
 NEOSAISETIA Tao and Wong, 1983
 PARAKERMES Fonseca, 1973
 POASPIS Koteja, 1978
 PODOPARALECANIUM Tao and
 Wong, 1983
 SACCHARIPULVINARIA Tao and
 Wong, 1983
 SACCHAROLECANIUM Williams, 1980
 SYMONICOCCUS Koteja and
 Brookes, 1981
 TAIWANSAISETIA Tao and
 Wong, 1983
 TRIJUBA De Lotto, 1975

DIASPIDIDAE

- ALEUCASPIS Takagi, 1977a
 AVIDOVASPIS Gerson and
 Davidson, 1974
 CHUASPIS Tao and Wong, 1982
 DUCTOFRONTASPIS Young and
 Hu, 1981
 FELIXIELLA Almeida, 1973
 FERREROASPIS Kozar, 1983
 GEODIASPIS Tippins and
 Howell, 1973
 GYNANDRASPIIS Balachowsky and
 Matile-Ferrero, 1980
 NANMUASPIS Tang, 1977

DIASPIDIDAE (cont.)

- NARAYANASPIS Takagi, 1985
 NEOQUERNASPIS Howell and
 Takagi, 1981
 OCEANASPIDIOTUS Takagi, 1984
 PALAEOMYTILUS Borchsenius, 1978
 PARACUPIDASPIS Howell and
 Tippins, 1981
 PHASPIS Ben-Dov, 1974b
 SELENASPIDOPSIS Nakahara, 1984
 SHANSIASPIS Tang, 1981
 SINOQUERNASPIS Takagi and
 Tang, 1982
 SUPERTURMASPIS Chen, 1983
 TAKAGIA Tang, 1984a
 TEGMELANASPIS Chen, 1983
 TRISCHNASPIS Ben-Dov, 1974a
 WARICOCCUS Brookes and
 Koteja, 1982

ERIOCOCCIDAE

- ACALYPTOCOCCUS Lambdin and
 Kosztarab, 1977
 CHILECOCCUS Miller and
 Gonzalez, 1975
 EXALLOCOCCUS Miller and
 Gonzalez, 1975
 FLORACOCCUS Beardsley, 1974
 GREGOPORIA Danzig, 1979
 ICELOCOCCUS Miller and
 Gonzalez, 1975
 KAWECKIA Koteja and Zak-Ogaza,
 1981
 OREGMOPYGA Hoy, 1963 (A new
 name)
 STIBOCOCCUS Miller and
 Gonzalez, 1975

KERMESIDAE

- ALLOKERMES Bullington and
 Kosztarab, 1985
 NANOKERMES Bullington and
 Kosztarab, 1985

LECANODIASPIDIDAE

- BROOKESIELLA Lambdin and Kosztarab, 1974
CELATICOCCUS Lambdin and Kosztarab, 1976a
CRESCOCCUS Wang, 1982
GALINOCOCCUS Lambdin and Kosztarab, 1973
PTEROCOCCUS Howell and Kosztarab, 1973
STICTACANTHUS Lambdin and Kosztarab, 1973
VIRGULICOCCUS Lambdin and Kosztarab, 1973

MARGARODIDAE

- KUWANIELLA Tang, 1984b
MARGARODESIA Foldi, 1981
SONSAUCCOCCUS Young, 1980

PSEUDOCOCCIDAE

- ACINICOCCUS Williams, 1985a
APODASTOCOCCUS Williams, 1985a
ASTELIACOCCUS Williams, 1985a
AUSTRALICOCCUS Williams, 1985a
AUSTRALIPUTO Williams, 1985a
BIRENDRACOCCUS Ali, 1975
BONINOCOCCUS Kawai, 1973
CALLITRICOCCUS Williams, 1985a
CAPITISETELLA Hambleton, 1977
CHAETOTRIONYMUS Williams, 1985a
CONULICOCCUS Williams, 1985a
COORONGIA Williams, 1985a
CYPERICOCCUS Williams, 1985a
DAWA Williams, 1985a
EUCALYPTOCOCCUS Williams, 1985a
GLYCYCNYZA Danzig, 1974
GOMEZMENORICOCCUS Kozar and Walter, 1985 (A new name)

PSEUDOCOCCIDAE (cont.)

- HADROCOCCUS Williams, 1985a
ITYOCOCCUS Williams, 1985a
KENMOREA Williams, 1985a
KERMICOIDES Tang, 1977
LONGICOCCUS Danzig, 1975
LONGICOCCUS Tang, 1977 (A homonym)
MADANGIACOCCUS Williams, 1985a
MELANOCOCCUS Williams, 1985a
MOYSTONIA Williams, 1985a
NESTICOCCUS Tang, 1977
PARADISCOCOCCUS Williams, 1985a
PARAFERRISIA Williams and de Boer, 1973
PARAMONOSTHERIUM Williams, 1985a
PERIDIOCOCCUS Williams, 1985a
PLOTOCOCCUS Miller and Denno, 1977
POECILOCOCCUS Brookes, 1981
PRORSOCOCCUS Williams, 1985a
SAROCOCCUS Williams and de Boer, 1973
STROMBOCOCCUS Williams, 1985a
TANGICOCCUS Kozar and Walter, 1985 (A new name)
TASMANICOCCUS Williams, 1985a
VENTRISPINA Williams, 1985a
VILLOSICOCCUS Williams, 1985a
YUDNAPINNA Williams, 1985a

STICTOCOCCIDAE

- HOCKIANA Richard, 1976

TACHARDIIDAE

- KERRIA (CHAMBERLINIA)
Varshney, 1984 (A sub-generic homonym)

APPENDIX

In this appendix we attempt to bring users up-to-date on the taxonomic status of some old genera. The 40 entries include corrections to entries in the previous Lists, objective and subjective synonyms, taxonomic reassignments, and Opinions 1192, 1203, 1247 and 1303 of the International Commission on Zoological Nomenclature published between January 1, 1973, and December 30, 1985. Proposals published on nomenclatural changes are not included.

ACANTHOCOCCUS Signoret, 1875.

This genus and its type species, by monotypy, *Acanthococcus aceris* Signoret, 1875, were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1203 of the International Commission on Zoological Nomenclature (1982).

ANOPHOCOCCUS Balachowsky, 1954a.

A subjective junior synonym of *Acanthococcus* Signoret, according to Danzig (1980:205).

ARCHASPIS Bodenheimer, 1943.

This genus was transferred from the Conchaspidae to the Diaspididae, and regarded (Ben-Dov, 1980) as a subjective synonym of *Quadraspidotus* MacGillivray.

COCCUS Linnaeus, 1758.

This genus and its type species, by designation under the plenary powers, *Coccus hesperidum* Linnaeus, 1758, were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1303 of the International Commission on Zoological Nomenclature (1985).

CUPIDASIS MacGillivray, 1921.

It was restored as a valid genus by Howell and Tippins (1977:898).

DACTYLOPIUS Costa (November, 1829).

This genus and its type species, by designation under the plenary powers, *Dactylopius coccus* Costa (November, 1828), were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1247 of the International Commission on Zoological Nomenclature (1983).

DIAPROSTECI Costa, 1828.

It was suppressed under the plenary powers, and placed on the Official Index of Rejected and Invalid Generic Names in Zoology in Opinion 1247 of the International Commission on Zoological Nomenclature (1983).

ERIOCOCCUS Targioni Tozzetti, 1868.

This genus and its type species, by designation under the plenary powers, *Coccus buxi* Fonscolombe 1834, were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1203 of the International Commission on Zoological Nomenclature (1982).

EULECANIUM Cockerell, 1893.

This genus and its type species, by designation under the plenary powers, *Coccus tiliae* Linnaeus, 1758, were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1303 of the International Commission on Zoological Nomenclature (1985).

EUPULVINARIA Borchsenius, 1953.

It was regarded a subgenus in *Pulvinaria* Targioni Tozzetti by Danzig (1980:260) who, besides the type species, included two additional species in it.

FERRISICOCCUS Ezzat and McConnell, 1956.

A junior subjective synonym of *Dysmicoccus*, Ferris 1950, according to Danzig (1980:169).

FUSILASPIS MacGillivray 1921.

A subjective synonym of *Pseudaulacaspis* MacGillivray (1921:305) according to Deitz and Tocker (1980:41).

GREENISCA Borchsenius, 1948.

Considered a junior subjective synonym of *Eriococcus* Targioni Tozzetti, 1868, by Williams (1985b:356).

GREENOIDEA MacGillivray, 1921.

Gerson and Davidson (1974:156) resurrected this genus, which was considered a junior subjective synonym of *Melanaspis* Cockerell, 1897, by Ferris (1940d), Balachowsky (1951) and others.

JAPASPIDIOTUS Takagi and Kawai, 1966.

Takagi (1967:55) showed that this genus (Type-species: *Japaspidotus cedricola* Takagi and Kawai, 1966) is an objective synonym of *Unaspidotus* MacGillivray, 1921 (Type-species: *Aspidiotus corticispini* Lindinger, 1909) because of synonymy of type-species.

KAICOCCUS Takahashi, 1958.

A junior subjective synonym of *Dysmicoccus* Ferris, 1950, according to Danzig (1980:169).

KAWECKIA Koteja and Zak-Ogaza 1981.

It was reduced to a junior subjective synonym of *Eriococcus* Targioni Tozzetti, 1868, by Williams (1985b:356)

KILIFIA De Lotto, 1965.

This genus and its type species by original designation, *Lecanium acuminatum* Signoret, 1873, as defined by reference to the neotype confirmed under the plenary powers, were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1192 of the International Commission on Zoological Nomenclature (1981).

LECANIUM Burmeister, 1885.

Nakahara (1981:283) noted that it is an objective junior synonym of *Coccus* Linnaeus, 1758, as introduced by Fernald (1903:167), and reassigned 14 Nearctic *Lecanium* species in four other genera. This genus was also suppressed as a junior objective synonym of *Coccus* Linnaeus, 1758, and placed on the Official Index of Rejected and Invalid Generic Names in Zoology in Opinion 1303 of the International Commission on Zoological Nomenclature (1985).

LEOCOCCUS Kanda, 1959.

It was regarded a junior synonym of *Puto* Signoret, 1876, by Danzig (1980:112) and treated as such by Kawai (1980:96).

METASPIDIOTUS Takagi, 1957.

A junior subjective synonym of *Octaspidiotus* MacGillivray, 1921, according to Takagi (1984:3).

NEORHIZOECUS Hambleton, 1946.

It was regarded a junior subjective synonym of *Rhizoecus* Kunckel D'Herculais, 1878 by Hambleton (1977b:367).

OBTUASPIS Ben-Dov, 1974c:28

A lapsus for *Obtusaspis* MacGillivray.

PARALECANOPSIS Bodenheimer, 1951.

Ben-Dov (1980:263) regarded this genus a subjective synonym of *Lecanopsis* Targioni Tozzetti, 1868.

PARAPUDASPIS Borchsenius, 1964.

The designation of the type species for this genus is corrected here to *Parapudaspis zygophylli* Borchsenius 1964, by original designation and monotypy. This is to replace the two lines of misprinted text for type-species in the second supplement (Kosztarab and Russell, 1974:16).

PARASTICTOCOCCUS Richard, 1971.

It was originally proposed as a subgenus, which was raised to generic status by Richard (1976:657), and two new species were assigned to it in addition to the six species already included.

PARTHENOLECANIUM Sulc, 1908

This genus and its type species, by designation under the plenary powers, *Lecanium corni* Bouche, 1844, were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1303 of the International Commission on Zoological Nomenclature (1985).

PHENACASPIS Cooley and Cockerell, 1899.

Takagi and Kawai (1967:31) considered this a junior subjective synonym of *Chionaspis* Signoret, 1869.

PHYSOCOCCUS Hadzibejli, 1958.

Kozar and Vinis (1980:97) confirmed that it is a junior objective synonym of *Ritsemia* Lichtenstein, 1879, because of synonymy of type-species, as suggested by Morrison and Morrison (1966:155).

PROSOPOPHORA Douglas, 1902.

Howell and Kosztarab (1972:3, 94) regarded it a junior subjective synonym of *Lecanodiaspis* Targioni Tozzetti, 1869, whereas Borchsenius (1960d:223) resurrected it to valid generic status.

PSEUDOCOCCUS Westwood, 1840.

This genus and its type species, by designation under the plenary powers, *Dactylopius longispinus* Targioni Tozzetti, 1867, were placed on the Official Lists of Generic and Specific Names in Zoology in Opinion 1247 of the International Commission on Zoological Nomenclature (1983).

PSEUDOPSYLLA Froggatt, 1921.

Beardsley (1982:33) regarded this genus a junior objective synonym of *Lachnodius* Maskell 1896.

PULVINARIA (PULVINARIA) Targioni Tozzetti, 1866.

A nominal subgeneric status was established for it by Danzig (1980:263), who included six species in *Pulvinaria (Pulvinaria)*.

RADICOCCUS Hambleton, 1946.

This genus was regarded a junior subjective synonym of *Rhizoecus* Kunckel d'Herculeis, 1878, by DeLotto (1964:381), while McKenzie (1967:368) and Rust et al. (1985:36) retained it as a valid genus.

RHIZOCOCCUS Signoret, 1875.

Danzig (1975b:62) regarded this genus a junior subjective synonym of *Acanthococcus* Signoret, 1875:675, while other authors (Koteja 1984; Kosztarab and Kozar, 1986 in print) recognized it as a valid genus.

RIPERSIELLA Tinsley, 1899.

Its junior subjective synonym status to *Rhizoecus* Kunckel d'Herculeis, 1878, was reconfirmed by Hambleton (1974:147). Ferris (1953a:426) and Williams (1962:41) had already treated it as such.

SINAIDIASPIS Bodenheimer, 1951.

It was regarded a junior subjective synonym of *Rungaspis* Balachowsky, 1949, by Ben-Dov (1980:265).

SOLENOCCUS Cockerell, 1899.

It was considered a junior subjective synonym of *Solenophora* Maskell, 1890, by Lambdin and Kosztarab (1976b:34).

SOLENOPHORA Maskell, 1890.

Lambdin and Kosztarab (1976b:34) reinstated this old genus and transferred it from *Asterolecaniidae* to the family Cerococcidae.

VERSICULASPIS MacGillivray, 1921.

It was treated as a junior subjective synonym of *Augulaspis* MacGillivray, 1921, by Matile-Ferrero (1974:647).

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BULLETINS ON SCALE INSECTS FROM
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 - III. D'Ascoli, A., and M. Kosztarab. Morphological studies on the three nymphal instars of *Conchaspis lata* Hempel. (Homoptera: Coccoidea: Conchaspidae). p. 39-51.
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74. Williams, M. L., and M. Kosztarab. 1972. Morphology and systematics of the Coccidae of Virginia, with notes on their biology (Homoptera: Coccoidea). p. 1-215.

83. Studies on the Morphology and Systematics of Scale Insects No. 5--Lambdin, P. L., and M. Kosztarab. 1973. A revision of the seven genera related to *Lecanodiaspis* (Homoptera: Coccoidea: Lecanodiaspididae). p. 1-110.
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- III. Lambdin, P. L., and M. Kosztarab. A morphological study on the adult female and two nymphal stages of *Malloccoccus sinensis* (Maskell) with notes on its systematic position (Homoptera: Coccoidea: Coccidae). p. 53-67.
92. Studies on the Morphology and Systematics of Scale Insects No. 7--Willoughby, P. A., and M. Kosztarab. 1974. Morphological and biological studies on two species of *Chionaspis* (Homoptera: Coccoidea: Diaspididae). p. 1-84.
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- II. Lambdin, P. L., and M. Kosztarab. The genus *Solenophora* and its type species (Homoptera: Coccoidea: Cerococcidae). p. 33-41.
- III. Lambdin, P. L., J. O. Howell and M. Kosztarab. Morphology and systematics of two species in the Quercus group of the genus *Lecanodiaspis* (Homoptera: Coccoidea: Lecanodiaspididae). p. 43-54.
- IV. Lambdin, P. L., and M. Kosztarab. Morphology and systematics of *Celaticoccus cantentulatus* (Froggatt): A gall-forming scale insect from Australia (Homoptera: Coccoidea: Lecanodiaspididae). p. 55-61.
127. Studies on the Morphology and Systematics of Scale Insects No. 9. 1977. Includes the Proceedings of the Symposium: Recent Advances in the Study of Scale Insects, the XV International Congress of Entomology, Washington, D.C. USA, August 19-27, 1976.
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- II. Kosztarab, M. The Current State of Coccoid Systematics. p. 1-4.

- III. Rosen, D. and P. DeBach. Use of Scale-Insect Parasites in Coccoidea Systematics. p. 5-21.
 - IV. Tremblay, E. Advances in Endosymbiont Studies in Coccoidea. p. 23-33.
 - V. Robison, W. G., Jr. Ultrastructure of Coccoidea Sperm. p. 35-50.
 - VI. Banks, H. J. Pigments of the Coccoidea--Current Knowledge and Chemotaxonomic Implications. p. 51-67.
 - VII. Nur, U. Electrophoretic Comparison of Enzymes of Sexual and Parthenogenetic Mealybugs (Homoptera: Coccoidea; Pseudococcidae). p. 69-84.
 - VIII. Williams, M. Scale Insects of the Galapagos Islands. p. 85-98.
 - IX. Miller, D. R. Summary. p. 99-102.
128. Studies of the Morphology and Systematics of Scale Insects No. 10--Lambdin, P. L., and M. Kosztarab. 1977. Morphology and systematics of the adult females of the genus *Cerococcus* (Homoptera: Coccoidea: Cerococcidae). p. 1-252.
146. Studies on the Morphology and Systematics of Scale Insects No. 11--Hamon, A. B., and M. Kosztarab. 1979. Morphology and systematics of the first instars of the genus *Cerococcus* (Homoptera: Coccoidea: Cerococcidae). p. 1-122.

Virginia Agricultural Experiment Station (VAES) Bulletin No.

- 85-11. Studies on the Morphology and Systematics of Scale Insects No. 12 (Contribution No. 1 to a National Biological Survey). 1985.
- I. Bullington, S. W., and M. Kosztarab. Revision of the family Kermesidae (Homoptera) in the Nearctic Region based on adult and third instar females. p. 1-118.
 - II. Baer, R., and M. Kosztarab. A morphological and systematic study of the first and second instars of the family Kermesidae in the Nearctic Region (Homoptera: Coccoidea). p. 119-257.
- 86-2. Studies on the Morphology and Systematics of Scale Insects No. 13--Kosztarab, M., Y. Ben-Dov and M. P. Kosztarab. An annotated list of generic names of the scale insects (Homoptera: Coccoidea) Third Supplement. p. 1-38.

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