

A CATALOGUE  
OF THE  
COCCIDAE OF SOUTH AMERICA

— BY —

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In 1894 I published a list of the Coccidæ of the neotropical Region, numbering altogether 117 species. Of these, only 36 were known from the continent of South America though several others had been reported from the "continental island" of Trinidad. Today, mainly owing to the researches of Mr. Hempel, we know 136 species from Brasil alone, but our knowledg of the Coccidæ of other Suth American countries has scarcely adranced since 1894.

Subfamily MONOPHLEBINÆ.

*Icerya*, Sign.

- I. brasiliensis*, Hemp. Brazil.
- I. schrottkyi*, Hemp. Brazil.
- I. montserratensis*, R. & H. Trinidad.

*Palæococcus*, Ckll.

This includes *Crypticerya*, Ckll.

- P. rosæ* (R. & H.) Trinidad.
- P. hempeli* (Ckll.) Brazil.
- P. brasiliensis* (Walker). Buenos Ayres.

*Monophlebus*, Leach.

- M. uhleri* (Sign.) Ecuador.

*Stigmacoccus*, Hemp.

- S. asper*, Hemp. Brazil.

Subfamiy ORTHESIINÆ.

*Orthezia*, Bosc.

- O. insignis*, Dougl. Brasil. Trinidad.
- O. prælonga*, Dougl. Brasil. Trinidad.
- O. ultima*, Ckll. Argentine Republic.
- O. galapagoensis*, Kuwana. Galapago Is.

## Subfamily MARGARODINÆ.

*Margarodes*, Guild.

*M. vitium*, Giard. Chile. Also reported from the Argentine Republic.

## Subfamily COCCINÆ.

*Asterolecanium*, Targ.

*A. viridulum*, Ckll. Argentine Republic.

*A. pustulans* (Ckll.) Brasil Galapagos Is. Demerara.

*A. bambusæ* Boisd. Brazil. Trinidad.

*A. miliaris*, Boid. Brazil. Trinidad.

*A. urichi*, Ckll. Trinidad.

*A. epidendri* (Bonché) Trinidad.

*A. aureum*, Boisd. Trinidad.

*Lecaniodiaspis*, Targ.

*L. rugosus*, Hemp. Brazil.

*L. dendrobii* (Dougl.) Demerara. Mr. E. E. Green has recently published some new information about this species, in Ent. Mo. Mag., Dec. 1901.

*Solenophora*. Mask.

*S. tuberculus* (Hemp.) Brazil.

*S. baccharidis* (Hemp.) Brazil.

*Eriococcus*, Targ.

*E. brasiliensis*, Ckll. Brazil.

*E. perplexus*, Hemp. Brazil.

*Dactylopius*, Costa.

This is the *Coccus* of Signoret.

*D. coccus*, Costa. Brazil.

*Carpochloroides*, Ckll.

*C. viridis*, Ckll. Brazil.

*Capulinia*. Sign.

*C. jaboticabæ*, V. Ihr. Brazil.

*C. crateriformans*, Hemp. Brazil.

*Phenacoccus*, Ckll.

*P. spiniferus*, Hemp. Brazil.

*Ceroputo*, Sulc.

*C. barberi*, (Ckll.) Trinidad.

*Erium*, Crawf.

*E. armatum* (Hemp.) Brazil.

*Pseudococcus*, Westw.

This is the *Dactylopius* of authors.

- P. nipæ*, (Mask.) Trinidad. Demerara.  
*P. citri*, (Risso.) Trinidad. Brazil.  
*P. sacchari*, (Ckll.) Trinidad.  
*P. virgatus farinosus*, (Ckll.) Trinidad.  
*P. grandis*, (Hemp.) Brazil.  
*P. setosus*, (Hemp.) Brazil.  
*P. secretus*, (Hemp.) Brazil.  
*P. subterraneus*, (Hemp.) Argentine Republic, on roots of grape vine.  
*P. magnolicida*, (V. Ihr.) Brazil. The 8-jointed antennæ resemble those of *P. ephedræ* (Coq.)  
*P. longispinus*. (Targ.) Chile. This is the *Dactylopius adonidum* of authors.

*Chætococcus*, Mask.

- C. bambusæ*, (Mask.) Brazil.

*Cryptokermes*, Hemp.

- C. brasiliensis*, Hemp. Brazil.

*Apiococcus*, Hemp.

- A. gregarius*, Hemp. Brazil.  
*A. singularis*, Hemp. Brasil.  
*A. asperatus*, Hemp. Brazil.  
*A. globosus*, Hemp. Brazil.

*Tectococcus*, Hemp.

- T. ovatus*, Hemp. Brazil.

## Subfamily TACHARDIINÆ.

*Tacchardia*, Blanch.

- T. cydoniæ*, Hemp. Brazil.  
*T. rubra*, Hemp. Brazil.  
*T. parva*, Hemp. Brazil.  
*T. rosæ*, Hemp. Brazil.  
*T. ingæ*, Hemp. Brazil.  
*T. lacca* (Kerr.) Reported from Demerara, but perhaps in error

## Subfamily LECANIINÆ.

*Protopulvinaria*, Ckll.

- P. pyriformis*, (Ckll.) Trinidad.

*Tectopulvinaria*, Hemp.

- T. albata*, Hemp. Brazil.

*Pulvinella*, Hemp.*P. pulchella*, Hemp. Brazil.*Lichtensia*, Sign.*L. simillima* Ckll. Argentine Republic.*L. argentata*, Hemp. Brazil.*Alichtensia*. Ckll.*A. attenuata* (Hemp.) Brazil. Described under *Lichtensia*.*Ewallia*, Hemp.*E. rugosa*, Hemp. Brazil.*Pulvinaria*, Targ.*P. convexa* (Hemp) Brazil. Described under *Protopulvinaria*.*P. ficus*, Hemp. Brazil.*P. eugeniæ*, Hemp. Brazil.*P. depressa*, Hemp. Brazil.*P. grandis* Hemp. Brazil.*P. simulans*, Ckll. Trinidad.*P. brassicæ*, Ckll. (probably = *P. floccifera*, Westw.) Trinidad.*Platinglisia*, Ckll.*P. noucki*, Ckll. Brazil.*Vinsonia*, Sign.*V. stellifera* (Westw.) Brazil. Trinidad. Demerara.*Ceroplastes*, Gray.*C. chilensis*, Gray. Mr. E. E. Green thinks this is probably *C. ceriferus*, Anders., and the locality, Chile, is perhaps uncertain.*C. psidii*, Chav. Brazil.*C. janeirensis*, Gray. Brazil.*C. faimairii*, Targ. Montevideo, Brazil.*C. cassiæ*, Chav. Brazil.*C. iheringi*, Ckll. Brazil.*C. amazonicus*, Hemp. Brazil.*C. grandis*, Hemp. Brazil.*C. novaesi*, Hemp. Brazil.*C. novaesi mendozæ*, Ckll. Argentine Republic.*C. communis*, Hemp. Brazil.*C. confluens*, Ckll. & Tinsley. Brazil.*C. floridensis*, Comst. Brazil.*C. variegatus*, Hemp. Brazil.*C. speciosus*, Hemp. Brazil.*C. lucidus*, Hemp. Brazil.*C. purpureus*, Hemp. Brazil.*C. formosus*, Hemp. Brazil.*C. rarus*, Hemp. Brazil.

*Ceroplastes*, Gray. (continued)

- C. cultus*, Hemp. Brazil.  
*C. cuneatus*, Hemp, Brazil.  
*C. formicarius*, Hemp. Brazil.  
*C. rotundus*, Hemp. Brazil.  
*C. albolineatus*, Ckll. Brazil.  
*C. simplex*, Hemp, Brazil.  
*C. campinensis*, Hemp. Brazil.  
*C. bicolor*, Hemp. Brazil.  
*C. brumeri*, T & W. Ckll. Paraguay.  
*C. scutiger*, Ckll. Argentine Republic.  
*C. bernardensis*, Ckll. Paraguay.

*Akermes*, Ckll.

- A. bruneri*, Ckll. Paraguay.  
*A. verrucosus*, (Signoret). Montevideo.  
*A. monilis*, (Ckll.) Brazil.

*Inglisia*, Maskell.

- I. vitrea*, Ckll. Trinidad.

*Neolecanium*, Parrot.

- N. urichi* (Ckll.) Trinidad. Brazil.  
*N. preconuxum* (Ckll.) Brazil.  
*N. silveirai* (Hemp.) Brazil.

*Mallococcus*, Maskell.

- M. lanigerus* (Hemp.) Brazil. The generic reference is somewhat uncertain.

*Stictolecanium*, Ckll.

- S. ornatum* (Hemp.) Brazil.

*Eulecanium*, Ckll.

- E. eugeniæ* (Hemp.) Brazil.

*Mesolecanium*, Ckll.

- M. mayteni*. (Hemp.) Brazil.  
*M. obscurum* (Hemp.) Brazil.  
*M. baccharides* (Ckll.) Brazil.  
*M. pseudosemen* (Ckll.) Brazil.

*Paralecanium*, Ckll.

- P. marianum*, Ckll. Brazil.

*Eucalymnatus*, Ckll.

- E. gracilis* (Hemp.) Brazil.  
*E. brunfelsiæ* (Hemp.) Brazil.

*Calymnatus*, Costa.

- C. nanus* (Ckll.) Trinidad.  
*C. mangiferae*, (Green) Trinidad.  
*C. heperidum* (L) Trinidad. Brazil. Chile.  
*C. hesperidum pacificum*, Kuwana. Galapagos Is.  
*C. vidis* (Green) Brazil.  
*C. inci-us*, King. South America, on nutmeg, near to *C. mangiferae*; marginal bristles fimbriate, antennæ 8 jointed.

*Saissetia*, Deplanches.

- S. discoides* (Hemp.) Brazil.  
*S. dura* (Hemp.) Brazil.  
*S. granulosa* (Hemp.) Brazil.  
*S. reticulata* (Ckll) Brazil.  
*S. zanthoxylum*, (Hemp. Brazil.  
*S. hemisphaerica* (Targ.) Brazil. Trinidad. Galapagos Is. Demerara.  
*S. soleae* (Bern.) Brazil. Trinidad. Demerara. Chile.  
*S. depressa* (Targ.) Brazil. Trinidad.  
*S. nigra begonice* (Douglas). Demerara.

*Lecanium*, Auctorum.

The following species have not yet been assigned to any of the genera segregated from *Lecanium*.

- L. jaboticabae*, Hemp, Brazil. This and the next may belong to *Mesolecanium*.  
*L. campomanesiae*, Hemp. Brazil.  
*L. infrequens*, Hemp. Brazil. Apparently a *Saissetia*.  
*E. rhizophorae*, Ckll. Brazil. A peculiar species, perhaps to be regarded as the type of a new genus.  
*L. erythrinae*, V. Ihering. Brazil. This can hardly be identified from the brief description published.  
*L. isolens*, King. Brazil, on *Philodendron*. Oval. about 4 mm. long, with 8-jointed antennæ. Stigmatal incisions with very numerous spines.

## Subfamily DIASPINÆ.

*Aspidiotus*, Bonché.

- A. cyanophylli*, Signoret. Brazil.  
*A. hartii*, Ckll. Trinidad.  
*A. hartii luntii*, Ckll. Trinidad.  
*A. destructor*, Sign. Demerara. Trinidad.  
*A. bififormis*, Ckll. Trinidad.  
*A. latastei*, Ckll. Chile.  
*A. hederæ*, Vallot. Chile. This includes *A. nerii*.

*Morganella*, Ckll.*M. maskelli*, (Ckll.) Brazil.*M. longispina* (Morgan). Demerara.*Selenaspidus*, Ckll.*S. articulatus* (Morgan). Brazil. Trinidad.*Pseudaonidia*, Ckll.*P. trilobitiformis* (Green). Brazil.*Odonaspis*, Leonardi.*O. janeirensis* (Hemp.) Brazil.*Hemiberlesia*, Ckll.*H. rapax* (Comst.) Brazil.*H. lataniae* (Signoret) Brasil. Galapagos Is.*H. palmae* (Morg. & Ckll.) Trinidad.*H. diffinis* (Newst.) Demerara.*Diaspidiotus*, Berl. & Leon.*D. perniciosus* (Comst.) The San José Scale. Said to occur in Chile.*Chrysomphalus*, Ashmead.*C. aonidum* (L.) Brazil.*C. scutiformis* (Ckll.) Brazil.*C. paulistus* (Hemp.) Brazil. Allied to *C. smilacis*, especially in having only two long fusiform processes on each side of hind end. However, *smilacis* has not the circumgenital glands.*C. smilacis*, (Comst.) Galapagos Is.*C. dictyospermis* (Morg.) Brazil. Trinidad. Demerara.*C. dictyospermi arecae* (Newst.) Demerara.*C. dictyospermi pinnuliferus* (Mask.) Demerara.*Pseudischnaspis*, Hempel.*P. linearis*, Hemp. Brazil.*Aonidia*, Targ.*A. lauri* (Bonché) Brazil. Chile.*Gymnaspis*, Newstead.*G. aechmeae*, Newst. Brazil.*Tiorinia*, Targ.*T. fioriniae* (Targ.) Brazil.*Ischnaspis*, Douglas.*I. longirostris* (Sign.) Brazil. Trinidad. Demerara.

*Pinnaspis*, Ckll.

*P. pandani* (Comst.) Brazil, collected by Dr. Goeldi at Rio de Janeiro, on *Areca*. Trinidad.

*P. pandani alba*, (Ckll.) Trinidad.

*Hemichinaspis*, Ckll.

*H. aspidistræ*, (Sing.) Brazil.

*H. aspidistræ bresiliensis* (Sign.) Brazil. Trinidad.

*H. minor* (mask.) Brazil. Trinidad.

*Chionoepis*, Sign.

*C. citri*, Comst. Brazil (Rio de Janeiro, coll. Moreira), Trinidad. Demerara.

*Parlatoria*, Signoret.

*P. pergandei*, Comst. Brazil.

*Pseudoparlatoria*, Ckll.

*P. parlatorioides* (Comst.) Brazil.

*P. noacki*, Ckll. Brazil.

*Mytilaspis*, Signoret.

*M. ulmi* (L.) Buenos Ayres.

*M. beckii* (Newman). Brazil. Trinidad.

*M. perlonga*, Ckll. Brazil.

*M. argentata*, Ckll. Brazil.

*M. bambusicola*. Ckll. Brazil.

*Aulacaspis*, Ckll.

*A. pentagona* (Targ.) Brazil. Trinidad.

*A. rosæ* (Bonché) Demerara.

*Diaspis*, Costa.

*D. boisduvalii*, Sign. Brazil, Trinidad. Demerara.

*D. boisduvalii maculataii* (Ckll.) Brazil.

*D. australis*. Hemp. Brazil. Allied to *D. townsendi*. Ckll.

*D. calyptroides cacti* (Comst.) Brazil.

*D. calyptroides opunticola* (Newst.) Demerara.

*D. chilensis*, Ckll. Chile.

*D. cattleyæ* (Ckll.) Demerara.

*Diaspidistis*, Hempel.

This genus seems to differ from *Pseudoparlatoria* only in the male *D. multilobis*, Hemp. Brazil.

*Howardia*, Berl. & Leon.

*H. biclavis* (Comst.) Trinidad.

