REPORT ON SOME COCCIDAE FROM ZANZIBAR, COLLECTED BY DR. W. M. ADERS.

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The collection contains no novelties or species of special interest. The enumeration of them will, however, contribute to a knowledge of the local fauna of the country, of the distribution of the several species, and of the plants that they affect.

Icerya seychellarum, Westw.

"On *Citrus limonii*." (I.B.E., No. 55.)

Asterolecanium bambusae, Bdv.

"On stems of large bamboo." (I.B.E., No. 49.)

Pseudococcus citri, Risso.

"On immature cotton bolls, under sepals. Zanzibar Town." (I.B.E., No. 58.)

Pseudococcus crotonis, Green.

Food-plant not mentioned. (I.B.E., No. 66.)

These examples are not quite typical, but the differences are not sufficient to justify their description as a new species, without more ample material for study.

Pseudococcus perniciosus, Newst.

"On Shu-Shu"—a Cucurbitaceous plant. (I.B.E., No. 51.)

Pseudococcus virgatus, Ckll.

"On cotton (*Gossypium*)," and "on *Clitoria*," both at Zanzibar Town. (I.B.E., No. 54.)

Lecanium hesperidum, L.

"On indigenous fern: Chaké-Chaké, Pemba Is." (I.B.E., No. 64.) Every single individual has been parasitized.

Lecanium viride, Green.

"On coffee leaves and young terminal shoots: Mbweni, Zanzibar." (I.B.E., No. 61.)

Pulvinaria antigoni, Green.

"On stem of chilies: Zanzibar Town," and "on leaf of *Luffa acutangula*: Indian Prison garden." (I.B.E., Nos. 70 and 71.)

Both of these gatherings were very heavily parasitized, a condition which I have observed to be the case with material of the same species from Mauritius.

P. antigoni is well characterized by the rather loose series of long, curved, acutely pointed marginal hairs. My original description of the species does not sufficiently emphasize this character. Amongst the pointed hairs may be found an occasional one that is slightly frayed at the extremity. All the marginal hairs are much longer and stronger than in *P. psidii*, to which it was compared.

Ceroplastes floridensis, Comst.

A single example "on avocado pear: Zanzibar Town." (I.B.E., No. 62.)

Ceronema ? africana, Macfie.

"On Leguminous climber." (I.B.E., No. 56.)

Not in good condition for exact determination. The fragments show dermal pores and marginal spines similar to those of the type. The limbs and antennae are missing. The male puparia have a large turret-shaped pad of wax on the median dorsal area which is not noted by Macfie.

Aspidiotus cyanophylli, Sign.

"On husk of coconut : Koani, Zanzibar." (I.B.E., No. 68.)

Aspidiotus destructor, Sign.

"On husk of coconut : Koani, Zanzibar." (I.B.E., No. 68, part.)

Aspidiotus dictyospermi, Morgan.

"On stem of seedling mango : Marahubi, Zanzibar." (I.B.E., No. 73.)

Aspidiotus ficus, Ashm.

"On rose stalks." (I.B.E., No. 52.)

Aspidiotus lataniae, Sign.

"On husk of coconut : Koani, Zanzibar." (I.B.E., No. 68, part.)

Aspidiotus trilobitiformis, Green.

"On pomelo (*Citrus decumana*) leaves : Chaké-Chaké, Pemba Island," (I.B.E., No. 63). Described as a "very severe infestation." Also "on *Ficus elastica* : Prison Island," (I.B.E., No. 65); and "on young Citrus trees : Marahubi, Zanzibar," (I.B.E., No. 72.)

Diaspis pentagona, Targ.

"On *Hibiscus sabdarifa* and papaw fruits : Mazazini, Zanzibar." (I.B.E., No. 76.)

Hemichionaspis minor, Mask.

"On husk of coconut : Koani." (I.B.E., No. 68, part.)

Hemichionaspis sp., near *rhododendri*, Green.

"On sisal hemp : Prison Island, Zanzibar." (I.B.E., No. 59.) The characters of the pygidium come nearest to *rhododendri*, but there are differences which, if constant, would justify a new name. Further material would be required for exact determination.

Ischnaspis longirostris, Sign.

"On coffee : Mbweni, Zanzibar." (I.B.E., No. 60.)

Lepidosaphes citricola, Packard.

"On orange rind : Zanzibar Town," (I.B.E., No. 69); and "On young orange tree." (I.B.E., No. 74.)