

the sphagnum being occupied by them. Nearly all those examined contained two or more queens, sex pupæ in cocoons, larvæ and naked ♂ pupæ, but in only one was a ♂ seen. Every nest was inhabited by the Coccid *Pseudococcus sphagni* Green, discovered by me, new to science, in 1914. They occurred loose in the galleries, and on roots of grass running through the nests, and the *picea* ♂ ♂ at once endeavoured to carry them into safety, when the nests were disturbed. The Coccid *Newsteadia floccosa* also occurred in several nests, but pupæ (♂ and ♀) of the fly *Platyphora lubbocki* were found in nearly every one. These pupæ were loose in the galleries and among the bits of cut grass and sphagnum of which the nests were mostly built.

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### A striking new species of *Catagramma* from French Guiana.

By W. J. KAYE, F.E.S.

*Catagramma polypygas*, n.sp.

♂. Forewing with the narrow base and broad apical area dark brownish black. Outer margin narrowly black at vein 2, and becoming slightly wider at tornus. A very broad flame-red discal patch extends to costal margin and to inner margin but scarcely reaching tornus. Along median vein there is a slight extension inwards towards base. Outer margin slightly excised in middle. Hindwing deep violet blue, shading off into the velvety black ground colour at apex. Outer margin strongly toothed at the extremities of the veins. Underside of forewing as above except for a short yellowish costal stripe from base; an ochre yellow curved stripe before apex followed by a short blue curved line at a short distance beyond. Cilia white at tip, black to vein 4 and alternately black and white to tornus. Underside of hindwing with markings as in *hydaspes*. Ground colour ochreous, a broad curved black stripe just inside inner margin. A large elliptical black central area containing four blue spots with white centres. From the upper edge of the black elliptical patch there runs a black curved line, edged externally with blue, merging with outer margin at tornus.

♀. With more rounded wings and outer margin of forewing rounded and slightly scalloped. Red area very large. Hindwing black, with a fragment of a blue subterminal line on outer margin just before tornus.

Exp. ♂ 46 mm., ♀ 48 mm.

Habitat, French Guiana, Lower Maroni River. 2 ♂ ♂ and 1 ♀. Types in coll. Joicey.

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### Seasonal Polymorphism and Races of some European Grypocera and Rhopalocera.

By ROGER VERITY, M.D.

The following is an extract of a more extensive paper, in which I have compared the seasonal and geographical variation of the species occurring in Tuscany, with those of other Italian and European regions. The present difficulties as regards printing will probably make it impossible to publish it for some time; moreover, most of its contents will chiefly interest Italian readers; I have consequently drawn out





Kaye, William James. 1919. "A striking new species of Catagramma from french Guiana." *The entomologist's record and journal of variation* 31, 26–26.

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