

THE GEOMETRID GENUS RACHEOSPILA.

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Our species of this genus are badly arranged in our list. The synonymy is due to Hulst's observations on the collections of the British Museum and other foreign collections, published by him in *Entomological News*, VI, 71, 1895. His examination must have been very hasty, for he has obviously confused several good species under the synonymy of *lixaria*. According to his arrangement (see Bull. 52, U. S. N. M., p. 300) we have five species: *lixaria*, Guenée, with five synonyms; *jaspidiaria*, Hulst; *Hollandaria*, Hulst; *viridipurpurea*, Hulst, and *saltusaria*, Hulst. Of *lixaria*, Guenée, only *rubrolineata*, Packard, appears to be a true synonym; *inclusaria*, Walker, represents a distinct form with larger dark discal dots and strongly-developed red line in the fringe, to which *extremaria*, Walker, may be cited as a synonym if we desire to retain the name, proposed as it was for specimens without locality; *congruata*, Walker, is evidently a synonym of *sitellaria*, Guenée (Spec. Gen., IX, 374, 1857), a species quite distinct from *lixaria*, to which also belongs *Synchlora Hulstiana*, Dyar, described as a variety of *S. Louisa*, Hulst; finally, *cupidenaria*, Grote, is a good species, afterward redescribed as *Synchlora Louisa* by Hulst. The three following species, *jaspidiaria*, *Hollandaria* and *viridipurpurea* are all varieties of one species, which is the same as *Geometra centrifugaria*, Herrich-Schäffer, and *protractaria*, Herrich-Schäffer (Corr.-Blatt. Zool.-Min. Verein Regensburg, 1870, 182), a Cuban species. The last species, *saltusaria*, Hulst, is the same as *Eucrostis niveociliaria*, Herrich-Schäffer, also from Cuba.

Our green Geometridæ are more widely distributed in regard to their specific forms than many other groups, and all our Southern Florida species come from Cuba. I would arrange our species of *Racheospila* as follows:

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| 1. <i>lixaria</i> , Guenée.
<i>rubrolineata</i> , Packard. | 4. <i>cupidenaria</i> , Grote.
<i>Louisa</i> , Hulst. |
| 2. <i>inclusaria</i> , Walker.
<i>extremaria</i> , Walker (?) | 5. <i>centrifugaria</i> , Herr.-Sch.
<i>protractaria</i> , Herr.-Sch.
<i>Hollandaria</i> , Hulst.
<i>jaspidiaria</i> , Hulst.
<i>viridipurpurea</i> , Hulst. |
| 3. <i>sitellaria</i> , Guenée.
<i>congruata</i> , Walker.
<i>indeclaria</i> , Walker.
<i>Hulstiana</i> , Dyar. | 6. <i>niveociliaria</i> , Herr.-Sch.
<i>saltusaria</i> , Hulst. |