

female has the markings of a male, something never seen in *Asterias* unless in bi-formed examples, of which for aught I know this may be one. If it is not, a good species is wandering without name. The male is described as characterized by a single row of seven spots on secondaries, the usual (i. e. in *Asterias*) eighth spot at end of cell being absent. Now males of this type are common enough. I have repeatedly raised them at Coalburgh from eggs of the normal *Asterias*, and have them from many localities, even to Costa Rica. But I have never seen such wings attached to a female body.

I have lately received from Mr. F. H. Godman two males from Costa Rica, marked *Asteroides*, one of which answers Reakirt's description very closely. It has the discal band of primaries obsolete, represented only by little clusters of yellow scales, and extending across the wing. On secondaries this band is partly present, there being a small spot on costa, and spots in the four posterior interspaces; but of these last the one in upper median is almost gone. The clusters of blue are small and round, and the tails are shorter than *Asterias* perceptibly. On the under side the spots of discal row are distinct on both wings and as in *Asterias*; also they are fulvous. This is in agreement with Reakirt's type. In *Asterias* female there is often an imperfect row of yellow spots on secondaries, varying in fact from a complete row of distinct but small spots, to nil, except that the costal spot is always present. Therefore, when looking at the male I have described, Reakirt's general comparison to female *Asterias* seems natural. It is in respect of the discal band only, for he calls attention to the smallness of the blue clusters, which is a characteristic of *Asterias* ♂, while in ♀ they are always very large.

The other male from Costa Rica has the discal band on primaries absolutely wanting—not even a scale being there—on both surfaces; the marginal spots of both wings are very small. On secondaries the discal band is represented by a minute cluster of yellow scales on costa and in three posterior interspaces. On the under side this row is complete, but of smaller spots than I ever have seen in *Asterias*, and they are fulvous. The tails are not shorter than in *Asterias*. This absence of the discal band on both sides of primaries is so remarkable that this example may be of a distinct species, especially as there are other points of difference from *Asterias*. But the one I have first described is apparently Reakirt's *Asteroides*, and there is no evidence that it is a variety of *Asterias*. Till such evidence is produced it should be regarded as a good species.