

are found with the beak only half the length of that of the adult males and females. This fact made me think at first that I had found the female of *E. ellioti*; but I was mistaken. An *Epimachus* seems to be found at Waigiou, and will probably be *E. ellioti*; but I was not able to return there as I had intended. *Epimachus maximus* and *Astrapia gularis* are only found on the highest and most difficult peaks of Mount Arfak, nearly always above 6000 feet elevation. Specimens in dark plumage are common enough; but those which have attained perfect plumage are rare, perhaps because they take some years to acquire it. Both of them live on the fruits of certain Pandanaceæ, and especially on those of the *Freycinetia*, which are epiphytous on the trunks of trees. The irides of the large *Epimachus* are dark brick-red."

The descriptions are taken from Mr. Bowdler Sharpe's 'Catalogue of Birds.'

*Adult male.* Above velvety black, with metallic feathers of coppery green on the head, middle of the back, and rump; lores and feathers on the side of the head metallic like the crown; entire under surface of body velvety black, with a purplish brown gloss on the sides of the body; on each side of the breast springs a tuft of sickle-shaped plumes in the shape of a fan, velvety black, tipped with a broad band of steel-blue, before which is a narrow subterminal band of purplish blue; flank-feathers long and drooping, the outer ones broadly tipped with metallic bronzy-green, before which is a double subterminal band of velvety black and purplish blue; wings velvety black, with a gloss of steel-blue; tail-feathers black, all but the three outermost feathers washed with steel-blue, the two centre ones entirely of this colour; bill and legs black.

Total length 26 inches, culmen 2·85, wing 7·2, tail 16·7.

*Female.* Upper part of head brownish red; rest of upper parts olive-brown, becoming slightly rufous on the rump and upper tail-coverts; secondaries reddish brown, edged with rufous; primaries dark brown, edge of outer web rufous; cheeks, throat, and upper part of breast brownish black; underparts white, narrowly barred with black; tail light brown, with a rufous tinge; bill long and slender, much curved, and, with the feet and tarsi, jet-black.

The figures in the Plate, which represent a male of about two thirds the natural size, and a male and a female very much reduced, are taken from a superb pair of skins in my own collection.