

the number of spurs in the same species (*Acidalia rusticata*), a second instance of a varying species (see below *Pamphila Alcides*).

Of no more value in a systematic relation are the spines (*dornborsten*) of the tibiae, so far as I can judge from the limited number of species that I have examined. The genus *Pamphila* affords ample evidence of this; *Pyrgus*, also, attests to its truth, for its only spined species, *cribrellum*, no one would ever think of separating, because of this peculiarity, from *tessellum*, etc.

The spines the most generally occur on the middle tibiae, where they are always the most strongly developed; occasionally they are only present here. Then follow, both in frequency of occurrence and in their development, the posterior tibiae; and lastly the anterior tibiae. Often the spines of both these legs are so slight, or so covered up by hair and scales, that one has great difficulty in recognizing them, and their actual presence seems a matter of doubt. The manifold differences which are presented in the form of the club of the antennae are of value for systematic purposes; but, unfortunately, these differences are not often sharply defined and are difficult to express clearly in words. And there are not wanting species deviating from their generic association only in these points, that is to say, aberrant forms (such as *Pyrgus Poggei*), which could not be separated without an unnatural disruption of genera.

The palpi, particularly in the form and direction of their apical joint, afford some useful generic characters, while they offer, also, negative indications similar to those taken from the form of the knob of the antennae. Some other valuable systematic peculiarities are developed only in the male sex, while the female has in general remained a step behind. Their use as generic characters, therefore, cannot be recommended in this, as in other difficult groups, nor can they be wholly dispensed with. To these belong the costal fold and the discoidal stigma of the fore wings, the hair-pencil of the hind tibiae, the appendages of the hind breast,* and the abdominal fossa (*bauchgrube*).

The costal fold affords in the European species, in which it is present, only unimportant differences. It begins near the base of the anterior margin and terminates on or near its middle. The portion of the anterior margin, which it here covers, is not clothed with scales, but with a peculiar

* [*Hinterbreast* := *Metasternum* (Burmeister), *postpectus* (Kirby).—L.]