

2. *Grantia*, Fleming<sup>1</sup> (sensu mutato).

Syconidæ with articulated tubar skeleton, with radial tubes which have lost every trace of individuality, owing to the formation of a cortex, which is quite independent, however thin, its skeleton consisting mainly of triradiate spicules.

I include in this genus the following species:—

<i>Grantia strobilus</i> , H.		<i>Grantia perforata</i> , H.
<i>cupula</i> , H.		<i>compressa</i> , F.
<i>lævigata</i> , H.		<i>tuberosa</i> , n. sp.

3. *Ute*, O. Schmidt<sup>2</sup> (sensu mutato).

Syconidæ, the skeleton of whose strongly developed cortex consists principally of large acerate spicules, lying in several layers parallel to the outer surface.

There are at present only two forms which belong to this genus:—

<i>Ute glabra</i> , S.		<i>Ute argentea</i> , n. sp.
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The main character distinguishing these two species is found in the properties of the tubar skeleton; in one case it is articulated, in the other non-articulated. This character is used by me with reference to the genera *Grantia* and *Amphoriscus* as a generic distinction, and of course it is possible that *Ute argentea* stands to the genus *Amphoriscus* in the same relation as *Ute glabra* to the genus *Grantia*; but so long as the embryology of *Ute argentea* is not known, there being no intermediate stages to decide the question, both the species must be united in one special genus since their main character so sharply differentiates them from all other Syconidæ.

4. *Heteropegma*,<sup>3</sup> n. gen.

Syconidæ with articulated tubar skeleton, the skeleton of whose strongly developed cortex, consisting of triradiate and quadriradiate spicules, is quite different from that of the parenchyma with respect to their size.

The tubar skeleton of this genus being articulated, it cannot be denied that the differences dividing *Heteropegma* from *Grantia* are quantitative rather than qualitative in nature. Yet the distinctions are great enough, and I am still more inclined to regard

<sup>1</sup> Hist. of Brit. Anim., p. 524, 1824.

<sup>2</sup> Spong. d. adriat. Meeres, Suppl. 1, p. 23, 1864.

<sup>3</sup> From ἕτερος—different, and πῆγμα—framework, skeleton.