

served, but it displays the centre filled with numerous parallel openings, the sections of longitudinal tubes, which are surrounded by a broad zone of spongy tissue.

Among the chalk flints the collector will find numerous specimens, whose forms depend on the enclosed sponges, and other related *Amorphozoa*. Some are of a large size, and of a globular or spherical shape; others are irregularly branched, the surface presenting the usual white calcareo-siliceous coating of the flint nodules, and feeling rough to the touch; and, wherever an opening or fracture appears, indications of the porous texture will be discovered. This class of fossils is at present so imperfectly investigated, that names can be assigned but to few of the common examples, and these would afford no guide to the collector, without the aid of numerous figures, which our space will not permit.* Porifera of the same genera, if not species, as those above described, exist also in some of the secondary strata below the chalk.

CHOANITES.—Form various, generally spherical, funnel-shaped, or globular, with a central opening in the upper part; the original substance carney, or gelatinous, and capable of imbibition and contraction: base fixed.

* Several kinds are represented in the Geology of Sussex, Tab. XV.