in accordance with a fancied similarity, but by no meams in conserguence of a eareful comparison. Ancl, if some of these appellations are still used hey mokern moulogists, it is hardly heramse they acknowledge a real resemblance between them, but rather to aroid useless imovations. The time has come, howerer, when surh apprehensions should no louger prevent us fiom a critioal compurisom, and if the result should show essential difierenees between all the parts which bear names otherwise in use to designate characteristic parts of other amimals, then the dreal of a large inerease of terhical terms ought to be superseeled by the hope that the changes may be for the real alvantage of stience.

Let us take a general surver of the emions :mimal to which this chapter is deroterl. Seen lloating in the water it exhibits: a lage circular disk, of a substance not unlike jelly, thick in the centre, and sublenly thiming out towards the edge, which presents sereral indentations. The centre of that disk is of a dark purplishbrown eolor, while the edge is much lighter, alnust white and tramsparent. This disk is constantly heaving and falling, at reqular intervals; the margin is expecially uetive, so much so, that, at times, it is stretehed on a bevel with the whole surfice of the disk, which, in sueh at comlition, is almost llat, while, at other times, it is so fully arehed that it assumes the appeatance of a hemisphere. These motions recall so strongly those of an umbrellit, alternately opened and shut, that writers, who have deseribed similar animals, have geareally ealled this grelatinous disk the umbrella. ${ }^{1}$ From the lower surtiee of this disk hang. conspienously, there kinds of appendages. Near the margin there are eight hunches of long tentacles, moving in every direetion, sometimes extending to an enormous length, sometimes shortened to a mere coil of entangled threals, constantly rising and balling. stretehing now in one direction and then in another, but generally speating slantingly in a direction opposite to that of the onwarl movement of the amimal. These streamers may be compared to floating tresses of hair, encireling organs which are farther inward upon the lower surfite of the disk. Or these organs, there are also eight bunches. which alternate with the eight bunches of tentacles. but they are of two kink; four are clegant sacks; alomed, as it were, with wating rufles projecting in late clusters, which are altemately pressed forward and withotawn, and might also be compared to bunches of grapues, bey turns intlated and collapsed. These four bunches

[^0]would the longer be appropriate. I need only remind the realer of the globular form of Pleurobrachias, or of the eylindrical lorm of Inlyia, or of the winged Bolina, or of the polygonal form of many compounl Siphonophoris, and. perhaps still more. of the club-shaped IIydroids, and of the young Diseophore.


[^0]:    1 'The name of mubrella, for the gelatinous disk of all Discophorous Medusar, is so characteristic, that I would unhesitatingly hase retained it to dosignate that part of the boily of an Acalephi, were there not many members of the class in which it ussumes forms so entirely diflerent from the Ilat, bell-shaped outhee it exhihits here, that the simile

