



Plate IV

Fig. 1. One of many cases of various associations of zooids of *Epistylis* on the host surface: a basal platelet common to two stalks, each with a small colony of zooids, evidently a result of a division just after the attachment of the mother individual. A third zooid with a separate terminal platelet joins them at left. Note the bacteria within the fibrillar layer (L). Within the ectoplasm of the host cells, the fine cytoplasmic fibrils seem to form a distinct zone. Scale designates 1 μ ; $\times 16,000$.

Fig. 2. Cross section of scopula of an attached *A. piscicola*. In addition to a bacterium situated as in Fig. 1, there are several in the cytoplasm above the scopula. Scale equals 1 μ ; $\times 11,000$.