

The *bulbus pharyngeus* and the mandibles resemble those of *Phylliroë*. I examined the radula in two individuals, and found it to consist of fifteen to sixteen series of teeth. Further back there were only five fully-developed series, but two other imperfectly developed series were present. The total number of series thus amounted to twenty-two and twenty-three in the two specimens. The number of teeth in the series was 6-1-6; their form has been already described by me.

The *salivary glands*, with the rest of the digestive tract and its hepatic sacs, were quite as in *Phylliroë*. The *renal chamber* (fig. 4, *e.e*) long and somewhat irregularly contracted; the *renal syrinx* (fig. 4, *d*) resembles that of *Phylliroë*, and is about 0.2 mm. in length; the *ureter* (fig. 4, *f*) as in *Phylliroë*. Two *hermaphrodite glands* are present, and closely resemble in form and colour those of *Phylliroë atlantica*, as does also the *penis*. There is no spermatheca.

## 2. *Acura lanceolata*, Bergh.

*Phylliroë lanceolata*, Bergh, Malacolog. Untersuch., *loc. cit.*, p. 241, Taf. xxxi. fig. 5.

To this species is probably to be referred an *Acura* captured in the West Pacific, on the surface, March 27, 1875. The specimen was preserved on a slide. It measured nearly 13 mm. in length, and 3 mm. in height. The form of the body agrees closely with the figure given by Semper. As far as could be made out, a renal sac was present, and there appeared to be two hermaphrodite glands, as also mentioned by Semper; the hepatic cæca were quite as in the former species.<sup>1</sup>

## Family ÆOLIDIADÆ.

Of this large Family only a few forms were captured during the expedition.

### *Fiona*, Alder and Hancock.

*Fiona*, Alder and Hancock,—Forbes and Hanley, British Mollusca, vol. iii., 1853, p. x.

„ Alder and Hancock, Monog. Brit. Nudibr. Moll., part 7, 1855, p. 52, pl. xxxviii. *a*.

„ Bergh, Beitr. zur Kenntn. d. Æolidiaden I., Verhandl. d. k. k. zool.-bot. Gesellsch. Wien, xxiii., 1873, pp. 605-610;—V., *loc. cit.*, xxvii., 1877, pp. 823, 824.

„ Bergh, On the Nudibr. Gastr. Moll. of the North Pacific Ocean (*in* Dall, Scientific Results of the Exploration of Alaska, vol. i., art. v.) part 1, 1879, pp. 85 (141)-88 (144).

*Hymenæolis*, A. Costa, Annuario del Museo zool. di Napoli, III., 1866, pp. 64-80,—IV., 1867, p. 28.

Corpus elongatum, gracile; rhinophoria et tentacula subsimilia, simplicia. Papillæ (dorsales) cuti firmissime affixæ, elongatæ, ob membranam branchialem quasi alatæ; bursa cnidophora nulla. Anus dorsalis dextrorsum situs; aperturæ genitales discretæ, geminæ.

<sup>1</sup> Semper only found three cæca—the antero-inferior being absent. This must be merely an individual abnormality. In a specimen of *Phylliroë atlantica* which I examined, the antero-superior cæcum was reduced to a mere rudiment (Bergh, *loc. cit.*, Taf. xxix. fig. 7f.).