

Owing to the corrosion of the umbo the measurements of the length of the valves are not absolutely accurate, and as most of the specimens are curled the total length of the body is only approximate.

From this table it will be seen that the ratios of the length to the breadth of the valves is the same in *Acanthopleura granulata*, A. and B., but the valves are relatively shorter in *Acanthopleura* sp., C.

It appears that the valves are relatively very slightly longer in *Acanthopleura spiniger* than in *Acanthopleura granulata* (A. and B.), but the ratio in *Acanthopleura incana* is as nearly as possible the same.

#### *Analysis of Under Surface of Valves.*

*Anterior valve.*—*Acanthopleura granulata*, A. and B., 13 slits; teeth long, the central as a rule green in colour; the lateral usually brownish; eaves short; colour pale slate or pearly gray, dark brown jugum. *Acanthopleura* sp., C., 12 slits; teeth short, all green in colour; eaves long; colour pale greenish gray, dark brown jugum but smaller than in former. *Acanthopleura spiniger*, 10 slits; teeth long, dusky colour; colour pale dusky brown. *Acanthopleura incana*, A., 11 slits; teeth short; eaves short; colour uniform very dark brown; B. 10 slits, darker colour; C. similar, but with pale teeth.

*Intermediate valves.*—*Acanthopleura granulata*, A. and B., colour greyish; jugum dark brown; sutural laminæ pale, more or less splashed with brown; posterior border of anterior laminæ deeply grooved. *Acanthopleura* sp., C., colour pale sea-green; jugum dark brown; sutural laminæ of uniform colour, with their posterior border very slightly striated; the jugal insertion-plates are narrower than in the former. *Acanthopleura spiniger*, colour uniform greyish brown; jugum darker brown; anterior laminæ paler brown; posterior border of sutural laminæ coarsely grooved. *Acanthopleura incana*, colour uniform very dark brown to black; anterior laminæ same colour; posterior border of sutural laminæ slightly grooved. In C. the sutural laminæ become lighter anteriorly, the rim being nearly white.

*Posterior valve.*—*Acanthopleura granulata*, A. and B., 10 to 12 slits; teeth long, all green, or anterior tinged with brown; eaves short; colour white; jugum brown. *Acanthopleura* sp., C., 11 to 12 slits; teeth short, green, set more obliquely than the former, and with considerable symmetry with the median line, eaves long. The eaves are so long that when the valve is placed on a smooth surface and viewed on a level with the eye, the teeth are entirely hidden, whereas they are seen to nearly their whole extent in the former species; colour white and pale green; jugum small brown spot. *Acanthopleura spiniger*, 7 or 8 slits; teeth long, greenish; eaves short; colour, posterior border and jugum brown, between them a greenish band. *Acanthopleura incana*, teeth entirely absent; colour and