

NOTES ON FOSSILS.

A few of the species observed are new, and concerning others new facts were brought out in the examinations made. The more important of these points are referred to below.

Chaetetes or *Stenopora* and *Cladopora*.—Two branching corals referable to these genera are very abundant in the East River beds, and the former also occurs plentifully at Arisaig. The former is a coral of the family *Chaetetidae*, very closely resembling *S. fibrosa*, but the specimens are not in such a condition as to permit a close comparison. The latter is found only in the state of casts, and is a large-celled species resembling *C. fibrosa* of Hall.

Stricklandinia Billingsiana, n. s.

This is a large shell, 6 centims. in breadth and 4 in length, with a pointed beak and the sides spreading at an angle of about 120° to the broadly rounded lateral corners, which are united by a nearly straight margin. The surface presents unequal lines of growth, and in the middle of the dorsal valve is a low flat ridge with a slight furrow in the centre. The ventral valve has a corresponding flat sulcus. This shell is closely allied to *L. Davidsoni*, Billings, from the Upper Silurian of Gaspé, but is much broader in form.

Strophomeua Gilpini, n. s.

Shell, when full grown, nearly an inch in diameter; length and breadth nearly equal; hinge line equal to breadth; valves little elevated; hinge area narrow. Surface marked with numerous fine radiating elevated lines, between which others are introduced as they diverge from the beak. When the surface is well preserved microscopic concentric striae are seen to cross the radiating lines, and when the outer surface is removed the structure of the shell appears punctate. Muscular impressions oval, elongate and narrow. This shell is very abundant near the Sutherland River ore-bed. It appears to differ from any described American species, but in general form and the style of the muscular impressions resembles *S. ornatella* of Salter from the Upper Ludlow of Britain, though it has finer and sharper superficial sculpture.