

the ground during the night so as to lose no time. The Orphan Bank, which is situated nearly opposite the entrance to the Bay des Chaleurs, is a stony patch, as are most of the fishing banks, many of which are not mapped out in the charts.

The masses of rock are often of large size, and consist chiefly of a reddish sandstone (perforated by *Savicava* and *Zirphæa crispata*) associated with a few scattered pieces of Laurentian gneiss, &c. Soft-bodied organisms are peculiarly plentiful on this bank. The most characteristic of these are *Alcyonium rubiforme* Ehr., small varieties of *Metridium marginatum*; *Ascidioopsis complanatus*, of unusual size and abundance; various other Tunicates; and quantities of common Ophiurids and Asterids. †*Metopaglyptis glaucialis* Böeck was occasionally met with between the inner and outer tunic of *Ascidioopsis*. The stones are often covered with encrusting sponges, of two or three species: *Grantia ciliata* was frequent, and with it there occurred another calcareous sponge which Prof. Verrill has identified as the *Ascoritis fragilis* of Hæckel. Hydrozoa and Polyzoa are exceedingly abundant on this bank; the former seem to be mostly common northern forms. Among the latter, *Myrionozoum subgracile* D'Orb.; *Celleporaria incrassata* Lam.; *Cellepora scabra* Fab.; *Escharea cervicornis*? Pallas; *Caberea Ellisii*; and other species, were fine and frequent. Two fine specimens of *Porella laevis* (Fleming) were dredged at this locality. **Boltenia ciliata* Möller; **Molgula pannosa* V.; *Cynthia pyriformis* (Rathke); and *C. monoceros* Möll., occurred sparingly among the other Tunicates.

Among the Echinoderms are *Pteraster militaris*, *Asterias Greenlandicus*, and *Psolus phantapus*. The rarest of the Orphan Bank Mollusca are *Amicula Emersonii* (Couth.), fine and frequent; *Mamma immaculata* (Totten); *Trophon craticulatus* (O. Fab.); *Buccinum tenue* Gray; *Neptunea Spitzbergensis* (Reeve); *Tritonofusus Kroyeri* Möll.; *Astiris Holbollii* Beck; and a few *Astarte lactea* of Brod. and Sowerby. Crustacea are peculiarly plentiful on this bank, particularly the two species of *Hyas*; *Eupagurus*; *Pandalus annulicornis*; *Crangon boreas*; *Nectocrangon* lar (fine); *Hippolyte spina*; †*H. Phippsii*; and †*H. pusiola*.

The Amphipods are represented by *Acanthozone cuspidata* (Lep.); *Tritopsis aculeatus* (Lep.); and *Eusirus cuspidatus*. The Isopods by *Idotea marmorata* Packard, and by a *Bopyrus* which was found burrowing under the carapace of the common *Pandalus*. A small species of *Nymphon* was also dredged here.

At the end of the third day a stiff breeze from the southwest sprung up, accompanied with rain, and in consequence of this we made for Miscou Island for shelter. As soon as the gale moderated we proceeded to the Bradelle Bank, and on our way made one cast of the dredge between it and Miscou. In this haul, specimens of †*Hippolyte macilenta*; †*Pseudommona*, nov. sp.;