

recognise them, might, in the case of shipwrecked mariners, be of great value in sustaining life for a considerable time.

Among the rarer forms of Algæ that occur on our coast the following may be mentioned as worthy of notice:—

Ulothrix collabens, a small green Alga, found occurring at intervals on the inner shores of Miscou and Shippegan. This is a beautiful species, with tufted slender filaments of dark green, and does not occur on our southern shores, and but rarely in New England.

Odonthalia dentata, though found at various points on the Gulf of St. Lawrence, and on the southern shores of Nova Scotia and New Brunswick, has not yet been detected on the New England coast. It is a very attractive species, of a deep red color, and occurs on rocks and stones in deep water.

Polysiphonia fibrillosa, found on the north side of the Island of Miscou in considerable abundance, has hitherto been detected only at one place north of Cape Cod, referred to by Dr. Harvey in the "Nereis." It is one of the most beautiful species of Polysiphonia, and growing abundantly in tufts in shallow water, is a delicate and attractive form. Another species that is collected for its beauty, although not a rare species, is *Callithamnion Pylasiei*, which I detected at Grand Manan, although I have not observed it at any point east of that station. Its occurrence, as well as that of forms common on the New England coast, may be expected on further investigation.

LIST OF THE MARINE ALGÆ OF THE MARITIME PROVINCES, WITH NOTES.

By G. U. HAY and A. H. MACKAY.

Order I.—CRYPTOPHYCEÆ.

1. CLATHROCYSTIS ROSEO-PERSICINA, *Cohn*. On mud in brackish pond, Pictou harbour, *MacKay*; on decaying Algæ along shore of Gulf of St. Lawrence, *Hay*.
2. OSCILLARIA SUITORULOSA, *Bréb*. On floating balls of Polysiphonia, Pictou harbour *MacKay*.
3. LYNGBYA MAJUSCULA, *Harv*. Pictou harbour, *MacKay*.
4. L. ÆSTUARII, *Lieb*. In brackish pond, Pictou harbour, *MacKay*.

Order II.—ZOOSPOREÆ.

5. ULVA LACTUCA, (*Linn.*) *Le Jolis*. Pictou harbour, *MacKay*.
 - (a). Var. RIGIDA, (*Ag.*) *Le Jolis* and
 - (b). Var. LACTUCA, *Le Jolis*, are common in tide pools along the southern coast of New Brunswick, *Hay*.
 - (c). Var. LATISSIMA, *Le Jolis*. Richibucto River, *Fowler*. Common in brackish waters along the whole coast of New Brunswick, *Hay*.