

7. *U. clathrata*, Ag. On *Zostera marina*, Pictou, *MacKay*; Miscou Island, *Hay*.
8. *U. Hopkirkii*, (McCalla) Harv. Pictou harbour, *MacKay*.
9. *Ulothrix collabens*, (Ag.) Thur.? Grand Manan, *Hay*.
10. *Chaetomorpha melagonium*, (Web. & Mohr.) Kutz. Halifax harbour, *MacKay*.
11. *C. Picquotlana*, (Mont.) Kutz. Halifax, *Harvey* in *N. B. Am.*
12. *Rhizoclonium tortuosum*, Kutz. Halifax, *Harvey* in *N. B. Am.*; Shippegan Island, *Hay*.
13. *Cladophora arcta*, (Dillw). P. E. Island, *Dr. Jeans*; Halifax, *Harvey*; Grand Manan and Frye's Island, *Hay*.
14. *C. lanosa*, (Roth) Kutz, Var. *uncialis*, Thuret. P. E. Island, *Jeans*. Halifax, *Harvey*.
15. *C. rupestris*, (Linn.) Kutz. Shippegan Island, *Hay*.
16. *C. refracta* (Roth) Areschoug. Frye's Island, *Hay*.
17. *C. glaucescens*, (Griff.) Harv. Halifax, *Harvey*; North Miscou, *Hay*.
18. *C. flexuosa*, (Griff.) Harv. Miscou Island, *Hay*.
19. *C. gracilis*, (Griff.) Kutz. Frye's Island, *Hay*.
20. *Phyllitis fascia*, Kutz. Halifax, *Harvey*.
21. *Scytosiphon lomentarius*, Ag. Halifax, *MacKay*; Frye's Island, Caraquet, Grand Manan, *Hay*.
22. *Punctaria latifolia*, Grev. Halifax, *Harvey*. Var. *zosteræ*, Le Jolis. Mouth of Pictou harbour, *MacKay*; Halifax, *Harvey*.
23. *P. plantaginea*, (Roth) Grev. P. E. Island, *Jeans*.
24. *Desmarestia aculeata*, Lam.x. Pictou, *MacKay*; Kouchibouguac Bay, *Fowler*.
25. *D. viridis*, Lam.x., Halifax, *Harvey* Frye's Island, Grand Manan, Miscou, *Hay*.
26. *Dictyosiphon faniculaceus*, Grev. Pictou, *MacKay*. This species has been found growing as regular branches from a stem formed of the filiform frond of *Chordaria flagelliformis*, at Pictou. in such a manner that the whole appeared to be but one plant. The conundrum was—how can the microscopic section of the branch show the structure of *Dictyosiphon*, while that of the stem shows with equal distinctness the structure of *Chordaria*? Further examination, of course, demonstrated the character of the interesting union. Frye's Island, Grand Manan, Miscou, *Hay*; Kouchibouguac Bay, *Fowler*.
27. *Ectocarpus tomentosus*, (Huds.) Lyngb. P. E. Island, *Jeans*.
28. *E. confervoides*, (Roth) Le Jolis. P. E. Island, *Jeans*. Var. *siliculosus*, Kjellman. Pictou, *MacKay*; Frye's Island, Caraquet, Miscou, *Hay*.
29. *E. littoralis*, Lyngb. Pictou, *MacKay*; Grand Manan, Miscou Shippegan, *Hay*.