

FIGS. 10-23. *Ceramium rubrum* (Huds.) C. Ag.

FIG. 10. Germinating carospore 2 days after sowing. $\times 633$.

FIGS. 11-17. Plantlets from 3 to 8 days old; in *figs. 15, 16* only the basal cells and primary rhizoids are shown. $\times 400$.

FIG. 18. Plantlet found growing on Polyisiphonia. $\times 400$.

FIGS. 19, 20. Plantlets 9 days old. $\times 400$.

FIG. 21. Plantlet growing on Polysiphonia. $\times 400$.

FIG. 22. Plantlet 5 days old, showing early branching of the primary rhizoid. $\times 400$.

FIG. 23. Holdfast of a rather young plant. $\times 213$.

FIGS. 24-28. *Ceramium strictum* (Harv).

FIG. 24. Carospore 36 hours after it was sown. $\times 400$.

FIG. 25. Plantlet 3 days old. $\times 233$.

FIGS. 26, 27. Plantlets about 7 days old. $\times 400$.

FIG. 28. Primary root-cell and disk of mature plant. $\times 400$.

FIGS. 29-32. *Callithamnion Borreri* Ag., plantlets from 2 to 6 days old. $\times 213$.

FIG. 33. *C. Borreri*, plantlet showing basal cell and rudimentary disk, 6 days old. $\times 213$.

FIG. 34. *C. Borreri*, primary disk of plantlet 9 days old. $\times 333$.

FIG. 35. *C. Baileyi* Harv., mature holdfast, in optical section. $\times 213$.

FIGS. 36, 37. *C. Borreri*, base of plantlets 6 days old, each showing primary disk. $\times 400$.

FIG. 38. *C. Borreri*, plantlet 6 days old. $\times 213$.

FIG. 39. *C. Baileyi*, a portion of a mature holdfast. $\times 100$.

FIG. 40. *Spermothamnion Turneri* Aresch., branch with clasping disk. $\times 213$.

FIG. 41. *S. Turneri*, plantlet 6 days old; nine cells of the filament are not represented. $\times 213$.

FIGS. 42, 43. *S. Turneri*, mature holdfast. $\times 213$.