

BIOLOGY

Marine Fungi of Iceland: A Preliminary Account of Ascomycetes*

By

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The mycological portion of the total biological research effort of the Surtsey project has emphasized a survey of the marine mycoflora on the mainland of Iceland itself as a necessary prerequisite to ecological studies on Surtsey.

ASCOMYCETE FLORA

The present list of marine ascomycetes represents collections made from 1965. All species found represent new records. The chief collecting sites have been on the southwestern coasts (the Reykjanes Peninsula) and on Heimaey, the largest island of the southern Vestmannaeyjar chain. Since distributional data are constantly being added as new collections are made, there is no effort, in this report, to include precise site information or implications thereof.

1. *Amphisphaeria maritima* Linder. Twenty collections. 2. *Ceriosporopsis halima* Linder. Forty-two collections. 3. *Corollospora comata* (Kohlm.) Kohlmeyer. Six collections. 4. *Corollospora maritima* Werdermann. Three collections. 5. *Haloguignardia* sp. A single collection on driftwood from the bay at Hafnarfjordur. 6. *Halosphaeria appendiculata* Linder. A single collection on driftwood from Grindavik. 7. *Halosphaeria circumvestita* Kohlmeyer. 8. *Halosphaeria mediosetigera* Cribb & Cribb. Three collections. 9. *Halosphaeria torquata* Kohlmeyer. A single collection on driftwood from Sandgerdi. 10. *Halosphaeria tubulifera* Kohlmeyer. Common on driftwood along rocky shores. 11. *Lentescospora*

submarina Linder. A single collection from Grindavik. 12. *Leptosphaeria albopunctata* (Westendorp) Saccardo. One collection from Hafnarfjordur. 13. *Leptosphaeria discors* (Saccardo & Ellis) Saccardo & Ellis. Common on driftwood. 14. *Leptosphaeria orae-maris* Linder. Three collections. 15. *Lignincola laevis* Höhnik. Eleven collections. 16. *Lulworthia medusa* (Ell. & Ev.) Cribb & Cribb. Seven collections. 17. *Marinospora calyptrata* (Caval.) Cavaliere. A single collection of this fungus has been found from Keflavik. 18. *Pleospora* sp. A single, unidentifiable species from rocky shores in the vicinity of Reykjavik. 19. *Remispora hamata* (Höhnik) Kohlmeyer. Four large collections. 20. *Remispora maritima* Linder. Two collections on driftwood. 21. *Remispora ornata* Johnson & Cavaliere. A single collection from waters near Reykjavik. 22. *Remispora pilleata* Kohlmeyer. Three collections. 23. *Sphaerulina orae-maris* Linder. Two collections. 24. *Sphaerulina pedicellata* Johnson. Two collections. 25. *Zignoella enormis* Patouillard & Hariot. Two collections.

SUMMARY AND ACKNOWLEDGEMENTS

This paper reports, for the first time, 25 species of marine pyrenomycetes from Icelandic waters.

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