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INTERNATIONAL MARINE MYCOLOGY SYMPOSIUM (3RD), 9-15 SEPTEMBER 1--ETC(U)
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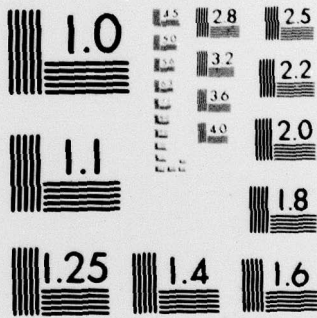
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⁹ FINAL REPORT. 1 Sep 78 - 31 Dec 79,

⁶ ~~Final~~ International Marine Mycology Symposium (3rd).
by 9-15 September 1979.

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University of North Carolina at Chapel Hill

Institute of Marine Sciences,

Morehead City, N. C. 28557

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a. Summary

The Third International Marine Mycology Symposium was held at the University of North Carolina, Institute of Marine Sciences, September 9-15, 1979. Co-sponsor was the National Science Foundation. Sixty participants from 11 countries presented 48 papers and 10 posters. Abstracts of 29 papers have appeared in Botanica Marina 12(6): 403-412, 1979. Topics included ecology, taxonomy, and ultrastructure of higher and lower marine fungi, and their role in the degradation of natural substrates and pollutants. This grant has partly covered travel expenses of seven foreign participants (1-Australia; 2-Federal Republic of Germany; 3-Great Britain; 1-Sweden).

b. Technical Reports

A Progress Report was submitted to the Office of Naval Research on February 19, 1979.

c. Bibliography

The Proceedings of the Symposium will appear in issues Nos. 2-5, 1980 of Botanica Marina. The following papers will be published in the Proceedings by recipients of travel support from O.N.R.:

1. Bahnweg, G. Phospholipid and steroid requirements of Haliphthoros milfordensis, a parasite of marine crustaceans and Phytophthora epistomium, a facultative parasite of marine fungi.
2. Bahnweg, G. and Bland, C. E. Comparative physiology and nutrition of Lagenidium callinectes and Haliphthorus milfordensis, fungal parasites of marine crustaceans.
3. Bremer, G. B. and Moss, S. T. Ectoplasmic net production and motility in Labyrinthula.

4. Gaertner, A. and Raghu Kumar, S. Ecological aspects in lower marine fungi. Investigations from 1975 to 1978 in the North Sea in an area of 60 miles square.
5. Jones, E.B.G. and Moss, S. T. An evaluation of the taxonomy of the Halosphaeriaceae.
6. Leightley, L. E. Wood decay activities of marine fungi.
7. Pugh, G.J.F. and Beeftink, W. Fungi in salt marshes and empoldered soils in Holland, and in inland saline soils in Britain.
8. Fries, N. Chemical factors affecting ascospore germination and mycelium development in Mycosphaerella ascophylli Cotton

d. Major Accomplishments

The Symposium provided a stimulating forum for marine mycologists of the world to present and discuss the most recent results of their research. The Proceedings will be published in spring of 1980, i.e. about half a year after the closing of the Symposium.

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