

Marine Biology of Polar Regions and Effects of Stress on Marine Organisms

Edited by

J. S. Gray and M. E. Christiansen



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PREFACE

The 18th European Marine Biology Symposium was held at the University of Oslo between August 14th and 20th 1983 by invitation of the Department of Marine Biology & Limnology and the Zoological Museum of the University of Oslo, and the Norwegian Institute of Water Research (NIVA). The Symposium was attended by about 180 delegates from 17 countries. We extend our gratitude to all who contributed to the success of the Symposium, particularly the staff of the institutes involved. We also gratefully acknowledge financial support from The Norwegian Marine Pollution Research and Monitoring Programme (FOH), the Norwegian Research Council for Science and the Humanities, the Ministry of Cultural and Scientific Affairs, BP Norge A/S, Aanderaa Instruments, Det norske Veritas, Simrad Industries, Norsk Hydro A/S and the University of Oslo.

The symbol for this symposium was selected in honour of two outstanding Norwegian biologists: Michael Sars (1805-1869) and Georg Ossian Sars (1837-1927) who both made a great contribution to marine biology.

The European Marine Biology Symposium has built up a solid reputation over its 18 year history as one of the foremost fora for presentation and discussion of marine biological research. By tradition, the host institutes decide themes which cover the interest of the host institutes or host countries. This year was no exception, and the two themes "Marine biology of polar regions" and "Effects of stress on marine organisms" reflect both Norwegian traditions and current interest. The former topic builds on Fridtjof Nansen's and Roald Amundsen's pioneering work in the polar regions and reflects current European interest in both the Antarctic and Arctic. Similarly, with the discovery of oil off the Norwegian coast, interest in effects of oil on marine life in Norway is great. Again, there is a common European interest in effects of environmental stresses on marine life. In all fifty-two papers were given at the Symposium and the majority are included in this volume.

We are grateful for help and assistance from a number of referees who reviewed the papers. Ingegerd Svensson undertook all the secretarial work associated with the symposium and editing of this volume and we thank her for this enormous task.

John S. Gray

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CONTENTS

List of contributors	ix
List of participants	xv
Preface	xix

Marine Biology of Polar Regions

On the biology of polar seas, particularly the Southern Ocean G. Hempel	3
A model of phytoplankton in the marginal sea-ice zone of the Barents Sea D. Slagstad	35
The influence of ice and hydrographic conditions on the development of phytoplankton in the Barents Sea F. Rey and H. Loeng	49
Utilization of phytoplankton by copepods in Antarctic waters during spring S.B. Schnack, V. Smetacek, B. v. Bodungen and P. Stegmann	65
Ecological investigations of the zooplankton community of Balsfjorden, Northern Norway: Growth, and quantification of condition, in relation to overwintering and food supply in <u>Metridia longa</u> , <u>Calanus finmarchicus</u> , <u>Thysanoessa inermis</u> and <u>Thysanoessa raschi</u> C.C.E. Hopkins, K.S. Tande, S. Grønvik, J.R. Sargent and T. Schweder	83
Sea-ice algal communities in the Weddell Sea: Species composition in ice and plankton assemblages D.L. Garrison and K.R. Buck	103
Observations on the ecophysiology of a planktonic crustacean, <u>Drepanopus pectinatus</u> (Copepoda, Calanoida, Pseudocalanidae), from southern islands S. Razouls	123
Gonad maturation and possible life cycle strategies in <u>Calanus finmarchicus</u> and <u>Calanus glacialis</u> in the northwestern part of the Barents Sea K.S. Tande, A. Hassel and D. Slagstad	141
Metabolic adaptations of Antarctic mesozooplanktonic systems to the phytoplankton standing crop in late austral summer J.-P.R. Bergeron, A.-M. Alayse-Danet and C. Razouls	157

Benthic research in Antarctica: Past, present and future G.B. Picken	167
An investigation of the interactions between the nemertine, <u>Malacobdella grossa</u> , and its bivalve host, <u>Arctica islandica</u> J.H. Sundet and M. Jobling	185
The soft bottom fauna in van Mijenfjord and Raudfjord, Svalbard B. Gulliksen, B. Holte and K.-J. Jakola	199
Balance experiments with Arctic zooplankton R.J. Conover and G.F. Cota	217
The reproductive biology of the polar hippolytid shrimp <u>Chorismus antarcticus</u> at South Georgia A. Clarke	237
Comparative study of respiration in a north temperate and sub-Antarctic population of <u>Thelepus setosus</u> (Annelida: Polychaeta) J.C. Duchêne	247
Morphology of olfactory epithelium of pink salmon, <u>Oncorhynchus gorbuscha</u> , and changes following exposure to benzene: A scanning electron microscopy study M.M. Babcock	259
'Digestion rate' methods for the estimation of daily ration of cephalopods M. Jobling	269
Is sperm really so cheap? O. Vahl and J.H. Sundet	281
Analyses of starvation-stress on respiration rates, and body weight and composition in the deep-water prawn <u>Pandalus</u> <u>borealis</u> from Balsfjorden, Northern Norway, measured during mid-summer in a laboratory experiment J.V. Seiring and C.C.E. Hopkins	287
Genetic variability and geographic differentiation in some benthic invertebrates from the Kerguelen region B. Battaglia, P.M. Bisol, G. Fava, E. Rodinò and V. Varotto	299
Ecological investigations on the zooplankton community of Balsfjorden, Northern Norway: Physiological adaptations in <u>Metridia longa</u> (Copepoda) to the overwintering period U. Båmstedt, K.S. Tande and H. Nicolajsen	313

Effects of stress on marine organisms

Responses to environmental stress: Tolerance, resistance
and adaptation

B.L. Bayne 331

Zoobenthos survival during severe winters on high and low
tidal flats in the Dutch Wadden Sea

J.J. Beukema 351

Response of a planktonic brackish water community to
single and combined additions of ammonium and phosphate
in a factorial mesocosm experiment

T. Tamminen, S. Kaitala, K. Kivi and J. Kuparinen 363

Increased swimming activity of the sand goby,
Pomatoschistus minutus, exposed to low concentrations
of water soluble fraction of North Sea crude oil

L.-O. Reiersen and J.A. Berge 379

The distribution of fish in the Oslofjord and its possible
relationship to pollution

R.D.M. Nash 389

Effect of hyposmotic stress on sodium regulation in
the shrimp *Palaemon elegans*

C. Lucu 401

The effects of hypoxia on blood regulation of *Carcinus maenas*
in hypotonic media

I. Johnson and R.F. Uglow 411

Subtidal macrobenthos of Narragansett Bay. Field and
mesocosm studies of the effects of eutrophication
and organic input on benthic populations

J.F. Grassle, J.P. Grassle, L.S. Brown-Leger,
R.F. Petrecca and N.J. Copley 421

The effect of oxygen depletion on the galatheid crab
Munida quadrispina in Saanich Inlet, British Columbia

B.J. Burd and R.O. Brinkhurst 435

Response of *Prorocentrum minimum* (Dinophyceae) to different
spectral qualities and irradiances: growth and photo-
synthesis

B.W. Meeson and M.A. Faust 445

Influence of salinity on larval development of the spider
crab, *Hyas araneus*, reared in the laboratory

K. Anger 463

The effects of pollutants on marine zooplankton populations:
sublethal physiological indices of population stress

J.M. Capuzzo 475

Uptake, distribution, and elimination of selected PCB components of Clophen A40 in juvenile sole (<u>Solea solea</u>) and effects on growth J.P. Boon	493
On the correlation between acute and sublethal stress in mud crab larvae, <u>Rhithropanopeus harrisi</u> : The example of triorganotin compounds R.B. Laughlin Jr., W. French and H.E. Guard	513
Physiological and biochemical effects of the polycyclic aromatic hydrocarbon benz(α)anthracene on the deposit feeding polychaete <u>Nereis virens</u> A.E. McElroy	527
Relationship between multiple locus heterozygosity and fitness in the gastropods <u>Thais haemastoma</u> and <u>Thais lamellosa</u> D.W. Garton and W.B. Stickle Jr.	545
The effects of fluctuating and abrupt changes in salinity on the performance of <u>Mytilus edulis</u> J. Widdows	555
Experiments on nutritional stress on the larvae of the mussel <u>Mytilus edulis</u> M. Sprung	567
The effects of load and stress induced by cadmium on the growth of a yeast A.R.D. Stebbing and M.D. Brinsley	577
Population dynamics of the ragworm <u>Nereis diversicolor</u> in the Dollard (Ems estuary) under changing conditions of stress by organic pollution K. Essink, H.L. Kleef, W. Visser and P. Tydeman	585
Effects of environmental factor gradients on scope for growth in several species of carnivorous marine invertebrates W.B. Stickle	601
Genetic changes associated with a bottleneck in an over-harvested population of <u>Glycera dibranchiata</u> (Polychaeta) R.L. Vadas and G. Bristow	617
Subject index	631
List of European marine biology symposia	637

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Marine Biology of Polar Regions