

# NORTHWEST ATLANTIC FISHERIES ORGANIZATION



Scientific Council Studies  
Number 6

Miscellaneous Selected Papers

Dartmouth, Canada  
1983



# NORTHWEST ATLANTIC FISHERIES ORGANIZATION



Scientific Council Studies  
Number 6

Miscellaneous Selected Papers

Dartmouth, Canada  
December 1983



## Foreword

In accordance with the mandate of the Scientific Council of NAFO to disseminate information of topical interest to the scientific community, the papers in this issue of *Studies* were nominated for publication by the Standing Committee on Publications from the research documents presented at meetings of the Council.

Apart from the *Journal of Northwest Atlantic Fishery Science* which contains peer-reviewed primary papers and notes on original research, the scope of *NAFO Scientific Council Studies* includes the publication of papers of topical interest and importance to the current and future activities of the Scientific Council, including contributions to special meetings and symposia, operational manuals for fisheries research, etc. The five previous issues of *NAFO Scientific Council Studies* are noted on the last page in this volume.

9 December 1983

V. M. Hodder, Editor  
Northwest Atlantic Fisheries Organization  
Bedford Institute of Oceanography  
P. O. Box 638  
Dartmouth, Nova Scotia  
Canada B2Y 3Y9



## Contents

NI, I-Hsun, and W. D. McKONE. Distribution and Concentration of Redfishes in Newfoundland and Labrador Waters .....	7
GRIMM, Stefan K. Changes in Time and Location of Herring, <i>Clupea harengus</i> L., Spawning Relative to Bottom Temperature in the Georges Bank and Nantucket Shoals Areas, 1971-77 .....	15
ALBIKOVSKAYA, L. K. Feeding Characteristics of Wolffishes in the Labrador-Newfoundland Region .....	35
TRITES, R. W. Physical Oceanographic Features and Processes Relevant to <i>Illex illecebrosus</i> Spawning in the Western North Atlantic and Subsequent Larval Distribution .....	39
TEMPLEMAN, Wilfred. Stock Discrimination in Marine Fishes .....	57
SINDERMANN, Carl J. Parasites as Natural Tags for Marine Fish: a Review .....	63
DICKIE, L. M. Genetic Structure of Mussel Populations in Eastern Canadian Waters .....	73
FRÉCHETTE, J., and D. G. PARSONS. Report of Shrimp Ageing Workshop Held at Ste. Foy, Quebec, in May and at Dartmouth, Nova Scotia, in November 1981 .....	79
NOTICES. Special Scientific Council Sessions .....	101

