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and NAFO Scientific Council Studies, 1987-93**

by

NAFO Secretariat

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Introduction

In its consideration of the indexing of the Scientific Council's meeting documents and published papers at the June 1984 Meeting (NAFO, 1984), the Standing Committee on Publications (STACPUB) agreed to proceed with the publication of a 5-year index which would include all meeting documents to the end of 1984 (NAFO, 1985). At that time, it was decided not to proceed with publication of a 5-year index of published papers in the *Journal of Northwest Atlantic Fishery Science* and *NAFO Scientific Council Studies*, because the volume of material was too low. However, it was agreed that a provisional index of these papers would be useful as a Summary Document, with consideration to be given to a formal publication of an index when the volume of material were greater. The first such document was NAFO SCS Doc. 87/07 which contained all issues of the *Journal of Northwest Atlantic Fishery Science* (Vol. 1-7(1) inclusive) and *NAFO Scientific Council Studies* (No. 1-10 inclusive) to the end of 1986.

This provisional index contains the lists of contents of the *Journal of Northwest Atlantic Fishery Science* Vol. 7 (2) to Vol. 14 inclusive, which were issued between December 1988 and February 1993, and the contents of *NAFO Scientific Council Studies* No. 11-17 inclusive, which were issued between March 1987 and February 1993.

Subject and Author Indexes

Compilation of the subject and author indexes have generally followed the guidelines that were used in preparing the Index and List of Titles for Research and Summary Documents. This volume is divided into three sections: 1) List of Titles, 2) Subject Index and 3) Author Index. The List of Titles presented by volume lists the authors, the full title and the first page number of the paper in that volume. In the next two sections, subjects and authors are listed alphabetically, respectively. Each paper is identified by a letter (J for journal and S for Studies), followed by the volume number, a colon, and the first page number of the paper. This is followed in parenthesis by a shortened version of the title or a short expression which indicates the object of the reference paper. In the preparation of the Subject Index, key words were selected from the titles and abstracts. The subjects basically focus on species, geographic area and specific biological, environmental aspects and methodology. Species names are listed by common names and geographic areas are broad, although some specific areas are given where possible. In the Author Index, all authors and co-authors are listed. Some users of this index may find the map useful in locating some place names and also the NAFO Divisions and Subareas which are frequently mentioned in the text.

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 17: 3 (intro to sequential population analysis)

Atlantic halibut (*Hippoglossus hippoglossus*)

- J 8: 25 (tagging and recapture of A. halibut)
 S 11: 75 (fishing grounds of longliners off SW NS)

Atlantic herring (*Clupea harengus*)

- J 8: 33 (movement of herring off US coast)
 12: 27 (tagging mortality of lab held herring)
 13: 63 (morphological characteristics of otoliths)
 14: 135 (fluctuations in herring stocks)
- S 11: 53 (characteristics of herring spawning)
 83 (report of Session on recruitment)
 91 (knowledge of recruitment for herring)
 16: 21 (recruitment variability of three fishes)
 49 (predicting year-class strength)

Atlantic mackerel (*Scomber scombrus*)

- J 9: 115 (growth of Atlantic mackerel stock)
 12: 35 (fecundity of Atlantic mackerel)
 13: 63 (morphological characteristics of otoliths)

Atlantic redfish (*Sebastes marinus*)

- J 13: 63 (morphological characteristics of otoliths)

Atlantic redfishes (*Sebastes* spp.)

- J 9: 141 (distribution of redfish on Grand Bank)
 11: 43 (vertical distribution of larval redfish)
 14: 145 (observations on non-maturing redfish)
- S 11: 7 (ichthyoplankton on Flemish Cap)
 43 (species composition of trawl catches)
 83 (report of Session on recruitment)
 109 (research on recruitment of cod & redfish)
 16: 25 (redfish simulation study)

Atlantic wolffish (*Anarhichas lupus*)

- J 13: 53 (information on Atlantic wolffish)
 S 12: 13 (wolffishes in West Greenland waters)

[B]

Baffin Island

- J 7: 155 (thorny skate population characteristics)
 S 11: 43 (species composition of trawl catches)
 14: 51 (G halibut & roundnose grenadier, 1968-86)

Barents Sea

- J 9: 103 (temperature on population parameters)
 133 (depth influence on abundance of groundfish)

- S 15: 35 (growth of G halibut in the NE Atlantic)
 16: 49 (predicting year-class strength)

Bay of Fundy

- J 8: 43 (distribution of scallop in Bay of Fundy)
 11: 29 (size frequency of lobsters)
- S 11: 71 (temperature & salinity near Bay of Fundy)

Biological characteristics

- J 7: 89 (thorny skate from the NW Atlantic)
 99 (biological aspects of lanternfish)
 155 (thorny skate population characteristics)
 9: 13 (biological status of pollock)
 103 (temperature on population parameters)
 123 (growth of northern shrimp from NW Atl.)
 10: 1 (fishing areas in the NW Atlantic)
 11: 11 (biology & population of sand lance)
 29 (size frequency of lobsters)
 12: 15 (biological aspects of witch flounder)
 63 (reproductive system in cephalopods)
 14: 13 (groundfish assemblages on the Grand Bank)
 129 (commercial fish in Div. 3NO)
 145 (observations on non-maturing redfish)
- S 11: 109 (research on recruitment of cod & redfish)
 12: 37 (biology & distribution of lanternfishes)
 13: 41 (biology of G. halibut at West Greenland)
 53 (common grenadier in trawl surveys, 1967-83)
 59 (roughhead grenadier investigation, 1967-83)
 14: 39 (cod recruitment vs physical environment)
 16: 39 (fish discarding in the G. of St Lawrence)
 57 (effects of growth on estimation of $F_{0.1}$)
 79 (advice & management of fish at Greenland)
 165 (uncertainties in fish stock management)
 171 (stock rebuilding over time)

Biomass

- J 14: 59 (fish biomass & yield on Grand B., 1960-87)
 129 (commercial fish in Div. 3NO)
 137 (influence of temperature on some stocks)
- S 16: 13 (cod - capelin interactions)
 123 (uncertainty in assessment & surveys)
 171 (stock rebuilding over time)

Butterfish (*Peprilus triacanthus*)

- J 12: 49 (interaction between squid & butterfish)

By-catches

- J 12: 49 (interaction between squid & butterfish)

[C]

Capelin (*Mallotus villosus*)

- J 9: 103 (temperature on population parameters)
- S 16: 13 (cod - capelin interactions)

- S 16: 49 (predicting year-class strength)
 79 (advice & management of fish at Greenland)

Cephalopods

- J 12: 63 (reproductive system in cephalopods)

Cohort analysis

- S 17: 3 (intro to sequential population analysis)

Common grenadier (*Nezumia bairdi*)

- S 13: 53 (common grenadier in trawl surveys, 1967-83)

Continental Shelf/Slope

- J 8: 5 (physical processes at the Shelf edge)
 25 (tagging and recapture of A. halibut)
 67 (review of marine fish communities)
 9: 97 (water intrusion to Great South Channel)
- S 11: 43 (species composition of trawl catches)
 13: 53 (common grenadier in trawl surveys, 1967-83)
 59 (roughhead grenadier investigation, 1967-83)
 14: 29 (thermohaline observations off W Greenl.)
 51 (G halibut & roundnose grenadier, 1968-86)

Conversion factors

- S 13: 7 (conversion factors for cod)

Currents (water circulation)

- J 8: 5 (physical processes at the Shelf edge)
 9: 81 (environmental conditions off W. Greenland)
 97 (water intrusion to Great South Channel)
- S 11: 7 (ichthyoplankton on Flemish Cap)
 12: 43 (review of environmental conditions, 1986)
 71 (water masses, currents & ice, Denmark St.)
 13: 27 (review of environmental conditions, 1987)
 41 (biology of G. halibut at West Greenland)
 14: 7 (review of environmental conditions, 1988)
 15: 7 (review of environmental conditions, 1989)
 19 (warming effect on fisheries in N Atl.)
 25 (predictability of temp. at W Greenl.)
 31 (salinity & temperature at W Greenland)

[D]

Davis Strait

- J 9: 81 (environmental conditions off W. Greenland)

J 9: 123 (growth of northern shrimp from NW Atl.)

S 12: 7 (G. halibut in West Greenland waters)
13: 41 (biology of G. halibut at West Greenland)

Denmark Strait

J 12: 7 (meristic characters in G. halibut)

S 12: 71 (water masses, currents & ice, Denmark Str.)

Discards

S 16: 39 (fish discarding in the G. of St Lawrence)
79 (advice & management of fish at Greenland)
95 (cod stock abundance in G. of St Lawrence)

Distribution

J 7: 107 (juvenile sand lance off east USA)
117 (survey design for scallops, Georges B.)
145 (reproductive biology of haddock)
8: 43 (distribution of scallop in Bay of Fundy)
9: 141 (distribution of redfish on Grand Bank)
10: 1 (fishing areas in the NW Atlantic)
11: 43 (vertical distribution of larval redfish)
59 (megafaunal assemblages off eastern USA)
12: 15 (biological aspects of witch flounder)
13: 15 (distribution and recruitment of cod)
53 (information on Atlantic wolffish)
14: 13 (groundfish assemblages on the Grand Bank)
29 (demersal fish assemblages off east US)

S 11: 37 (size-at-age of cod off W. Greenland)
43 (species composition of trawl catches)
53 (characteristics of herring spawning)
63 (target strength of pelagics by acoustics)
83 (report of Session on recruitment)
91 (knowledge of recruitment for herring)
12: 7 (G. halibut in West Greenland waters)
13 (wolffishes in West Greenland waters)
21 (gillnet surveys for cod in German waters)
37 (biology & distribution of lanternfishes)
13: 41 (biology of G. halibut at West Greenland)
53 (common grenadier in trawl surveys, 1967-83)
59 (roughhead grenadier investigation, 1967-83)
14: 51 (G halibut & roundnose grenadier, 1968-86)
16: 21 (recruitment variability of three fishes)
79 (advice & management of fish at Greenland)
123 (uncertainty in assessment & surveys)
137 (managing transboundary flatfish stocks)
171 (stock rebuilding over time)

[E]

Early life history

J 13: 83 (reproduction & early life of sea scallops)

S 16: 49 (predicting year-class strength)

East Greenland

J 8: 25 (tagging and recapture of A. halibut)

S 15: 31 (salinity & temperature at W Greenland)
16: 79 (advice & management of fish at Greenland)

East Coast of Canada

J 7: 89 (thorny skate from the NW Atlantic)
131 (meat recovery from scallops offshore)
8: 15 (catchability of major groundfish)
25 (tagging and recapture of A. halibut)
9: 5 (sand lances of eastern Newfoundland)
37 (growth of pollock on Atlantic coast)
45 (vertebral numbers in cod of Nfld.)
12: 7 (meristic characters in G. halibut)
35 (fecundity of Atlantic mackerel)
14: 29 (demersal fish assemblages off east US)
115 (lobster landing trends, 1947-88)
129 (commercial fish in Div. 3NO)
137 (influence of temperature on some stocks)
145 (observations on non-maturing redfish)

S 11: 75 (fishing grounds of longliners off SW NS)
12: 27 (area closures in management of haddock)
57 (water temperature off Nfld & Labrador)
16: 25 (redfish simulation study)
59 (consistency of groundfish assessments)
103 (assessment of A. plaice in Div. 3LNO)
111 (stock size and catch of cod off Nfld.)

East Coast of USA

J 7: 107 (juvenile sand lance off east USA)
8: 33 (movement of herring off US coast)
9: 13 (biological status of pollock)
97 (water intrusion to Great South Channel)
115 (growth of Atlantic mackerel stock)
11: 11 (biology & population of sand lance)
59 (megafaunal assemblages off eastern USA)
12: 35 (fecundity of Atlantic mackerel)
49 (interaction between squid & butterfish)
13: 77 (mating aggregation of spider crab)

J 14: 29 (demersal fish assemblages off east US)
115 (lobster landing trends, 1947-88)

S 12: 27 (area closures in management of haddock)
16: 57 (effects of growth on estimation of $F_{0.1}$)
59 (consistency of groundfish assessments)

Eastern Newfoundland

J 9: 5 (sand lances of eastern Newfoundland)
45 (vertebral numbers in cod of Nfld.)
13: 7 (feeding of juvenile cod in east Nfld)

Eggs

J 11: 29 (size frequency of lobsters)
12: 63 (reproductive system in cephalopods)
13: 83 (reproduction & early life of sea scallops)
14: 107 (Greenland halibut in the NW Atl., 1969-88)

S 11: 7 (ichthyoplankton on Flemish Cap)
83 (report of Session on recruitment)
16: 49 (predicting year-class strength)

Environment

J 8: 5 (physical processes at the Shelf edge)
9: 81 (environmental conditions off W. Greenland)
97 (water intrusion to Great South Channel)
14: 115 (lobster landing trends, 1947-88)

S 11: 23 (review of environmental conditions, 1985)
37 (size-at-age of cod off W. Greenland)
43 (species composition of trawl catches)
71 (temperature & salinity near Bay of Fundy)
91 (knowledge of recruitment for herring)
12: 43 (review of environmental conditions, 1986)
57 (water temperature off Nfld & Labrador)
71 (water masses, currents & ice, Denmark St.)
13: 27 (review of environmental conditions, 1987)
14: 7 (review of environmental conditions, 1988)
39 (cod recruitment vs physical environment)
51 (G halibut & roundnose grenadier, 1968-86)
15: 7 (review of environmental conditions, 1989)
19 (warming effect on fisheries in N Atl.)

[F]

Fecundity

J 12: 15 (biological aspects of witch flounder)
35 (fecundity of Atlantic mackerel)
14: 107 (Greenland halibut in the NW Atl., 1969-88)

S 15: 43 (fecundity of yellowtail flo. on Grand B.)

Feeding

J 7: 99 (biological aspects of lanternfish)
8: 55 (survival of pre-recruit fishes)
9: 103 (temperature on population parameters)
13: 7 (feeding of juvenile cod in east Nfld)
53 (information on Atlantic wolffish)
14: 87 (diet of silver hake on Scotian Shelf)
S 11: 109 (research on recruitment of cod & redfish)
12: 37 (biology & distribution of lanternfishes)
13: 53 (common grenadier in trawl surveys, 1967-83)
15: 53 (silver hake on the Scotian Shelf, 1985)

Fish communities

J 8: 67 (review of marine fish communities)
9: 73 (species composition in bottom trawl)
11: 59 (megafaunal assemblages off eastern USA)
14: 13 (groundfish assemblages on the Grand Bank)
29 (demersal fish assemblages off east US)
87 (diet of silver hake on Scotian Shelf)

S 11: 43 (species composition of trawl catches)
16: 13 (cod - capelin interactions)

Fishing areas

J 10: 1 (fishing areas in the NW Atlantic)

Flemish Cap

J 7: 99 (biological aspects of lanternfish)
S 11: 7 (ichthyoplankton on Flemish Cap)
83 (report of Session on recruitment)
109 (research on recruitment of cod & redfish)
12: 37 (biology & distribution of lanternfishes)

Fylla Bank

S 15: 25 (predictability of temp. at W Greenl.)

[G]

Gear

J 9: 53 (groundfish data in stock assessments)
73 (species composition in bottom trawl)
133 (depth influence on abundance of groundfish)
11: 29 (size frequency of lobsters)
51 (improving groundfish survey estimates)

- S 11: 43 (species composition of trawl catches)
 63 (target strength of pelagics by acoustics)
 75 (fishing grounds of longliners off SW NS)
 12: 13 (wolffishes in West Greenland waters)
 21 (gillnet surveys for cod in German waters)
 13: 53 (common grenadier in trawl surveys, 1967-83)

Georges Bank

- J 7: 107 (juvenile sand lance off east USA)
 117 (survey design for scallops, Georges B.)
 145 (reproductive biology of haddock)
 9: 13 (biological status of pollock)
 97 (water intrusion to Great South Channel)
 12: 15 (biological aspects of witch flounder)
 13: 25 (assessment & management of Georges B cod)
 53 (information on Atlantic wolffish)
 83 (reproduction & early life of sea scallops)
 14: 59 (fish biomass & yield on Grand B., 1960-87)
 S 11: 83 (report of Session on recruitment)
 91 (knowledge of recruitment for herring)
 16: 21 (recruitment variability of three fishes)
 171 (stock rebuilding over time)

Glacier lanternfish (*Bentosema glaciale*)

- S 12: 37 (biology & distribution of lanternfishes)

Grand Bank

- J 7: 99 (biological aspects of lanternfish)
 9: 141 (distribution of redfish on Grand Bank)
 14: 13 (groundfish assemblages on the Grand Bank)
 47 (cod & flounder catches on Grand B., 1971-89)
 S 11: 109 (research on recruitment of cod & redfish)
 12: 37 (biology & distribution of lanternfishes)
 43 (review of environmental conditions, 1986)
 15: 43 (fecundity of yellowtail flo. on Grand B.)
 16: 137 (managing transboundary flatfish stocks)

Greenland halibut (*Reinhardtius hippoglossoides*)

- J 12: 7 (meristic characters in G. halibut)
 14: 107 (Greenland halibut in the NW Atl., 1969-88)
 S 11: 43 (species composition of trawl catches)
 12: 7 (G. halibut in West Greenland waters)
 13: 41 (biology of G. halibut at West Greenland)
 14: 51 (G halibut & roundnose grenadier, 1968-86)
 15: 35 (growth of G halibut in the NE Atlantic)
 16: 49 (predicting year-class strength)

Greenland waters

- J 14: 137 (influence of temperature on some stocks)
 S 16: 79 (advice & management of fish at Greenland)

Groundfish

- J 8: 15 (catchability of major groundfish)
 9: 53 (groundfish data in stock assessments)
 11: 51 (improving groundfish survey estimates)
 14: 13 (groundfish assemblages on the Grand Bank)
 S 16: 59 (consistency of groundfish assessments)
 133 (harvesting strategies in a modeled fishery)

Growth

- J 8: 15 (catchability of major groundfish)
 9: 37 (growth of pollock on Atlantic coast)
 115 (growth of Atlantic mackerel stock)
 123 (growth of northern shrimp from NW Atl.)
 11: 11 (biology & population of sand lance)
 12: 15 (biological aspects of witch flounder)
 41 (growth & sexual maturity of sand lance)
 13: 53 (information on Atlantic wolffish)
 S 15: 35 (growth of G halibut in the NE Atlantic)
 16: 57 (effects of growth on estimation of $F_{0.1}$)

Gulf of Maine

- J 9: 13 (biological status of pollock)
 11: 11 (biology & population of sand lance)
 43 (vertical distribution of larval redfish)
 12: 15 (biological aspects of witch flounder)
 13: 53 (information on Atlantic wolffish)
 14: 115 (lobster landing trends, 1947-88)
 S 11: 75 (fishing grounds of longliners off SW NS)
 91 (knowledge of recruitment for herring)
 12: 43 (review of environmental conditions, 1986)
 14: 21 (temperature in the Gulf of Maine)
 16: 21 (recruitment variability of three fishes)

Gulf of St. Lawrence

- J 7: 155 (thorny skate population characteristics)
 11: 39 (recoveries of cod & plaice tags)
 43 (vertical distribution of larval redfish)
 12: 41 (growth & sexual maturity of sand lance)
 14: 115 (lobster landing trends, 1947-88)
 135 (fluctuations in herring stocks)

- S 11: 53 (characteristics of herring spawning)
 12: 43 (review of environmental conditions, 1986)
 13: 27 (review of environmental conditions, 1987)
 16: 39 (fish discarding in the G. of St Lawrence)
 95 (cod stock abundance in G. of St Lawrence)

[H]

Haddock (*Melanogrammus aeglefinus*)

- J 7: 145 (reproductive biology of haddock)
 9: 103 (temperature on population parameters)
 10: 1 (fishing areas in the NW Atlantic)
 13: 63 (morphological characteristics of otoliths)
- S 11: 75 (fishing grounds of longliners off SW NS)
 12: 27 (area closures in management of haddock)
 16: 21 (recruitment variability of three fishes)
 59 (consistency of groundfish assessments)
 171 (stock rebuilding over time)

[I]

Iceland

- J 7: 155 (thorny skate population characteristics)
 9: 53 (groundfish data in stock assessments)
- S 12: 7 (*G. halibut* in West Greenland waters)
 14: 7 (review of environmental conditions, 1988)
 15: 35 (growth of *G. halibut* in the NE Atlantic)
 16: 79 (advice & management of fish at Greenland)

[J]

Juveniles

- J 13: 7 (feeding of juvenile cod in east Nfld)

[L]

Labrador

- J 7: 155 (thorny skate population characteristics)
 14: 145 (observations on non-maturing redfish)

- S 14: 51 (*G. halibut* & roundnose grenadier, 1968-86)

Lanternfish (*Notoscopelus kroyeri*)

- J 7: 99 (biological aspects of lanternfish)

Larvae

- J 7: 107 (juvenile sand lance off east USA)
 123 (age estimation of scallop larvae)
 8: 43 (distribution of scallop in Bay of Fundy)
 9: 97 (water intrusion to Great South Channel)
 11: 43 (vertical distribution of larval redfish)
 12: 63 (reproductive system in cephalopods)
- S 11: 7 (ichthyoplankton on Flemish Cap)
 83 (report of Session on recruitment)
 91 (knowledge of recruitment for herring)
 109 (research on recruitment of cod & redfish)
 12: 37 (biology & distribution of lanternfishes)
 13: 41 (biology of *G. halibut* at West Greenland)

Laurec/Shepherd

- S 16: 153 (more efficient TAC policies)
 17: 3 (intro to sequential population analysis)

Life history

- J 9: 5 (sand lances of eastern Newfoundland)

Long-finned squid (*Loligo pealei*)

- J 12: 49 (interaction between squid & butterfish)

[M]

Management

- J 7: 117 (survey design for scallops, Georges B.)
 131 (meat recovery from scallops offshore)
 137 (precision of survey estimates of cod)
 8: 15 (catchability of major groundfish)
 9: 13 (biological status of pollock)
 10: 1 (fishing areas in the NW Atlantic)
 12: 49 (interaction between squid & butterfish)
 13: 25 (assessment & management of Georges B cod)
 14: 13 (groundfish assemblages on the Grand Bank)
- S 12: 27 (area closures in management of haddock)
 16: 25 (redfish simulation study)
 39 (fish discarding in the G. of St Lawrence)
 57 (effects of growth on estimation of $F_{0.1}$)
 59 (consistency of groundfish assessments)

- S 16: 79 (advice & management of fish at Greenland)
 95 (cod stock abundance in G. of St Lawrence)
 103 (assessment of A. plaice in Div. 3LNO)
 111 (stock size and catch of cod off Nfld.)
 129 (North Sea cod stock forecasts)
 133 (harvesting strategies in a modeled fishery)
 137 (managing transboundary flatfish stocks)
 143 (risk analysis in fishery management)
 149 (estimation of assessments by use of models)
 153 (more efficient TAC policies)
 165 (uncertainties in fish stock management)
 171 (stock rebuilding over time)
 17: 3 (intro to sequential population analysis)

Maturity

- J 7: 89 (thorny skate from the NW Atlantic)
 99 (biological aspects of lanternfish)
 145 (reproductive biology of haddock)
 155 (thorny skate population characteristics)
 9: 13 (biological status of pollock)
 11: 11 (biology & population of sand lance)
 29 (size frequency of lobsters)
 12: 15 (biological aspects of witch flounder)
 41 (growth & sexual maturity of sand lance)
 63 (reproductive system in cephalopods)
 14: 145 (observations on non-maturing redfish)
 S 11: 109 (research on recruitment of cod & redfish)
 12: 37 (biology & distribution of lanternfishes)
 13: 41 (biology of G. halibut at West Greenland)
 15: 43 (fecundity of yellowtail flo. on Grand B.)

Migration

- J 7: 155 (thorny skate population characteristics)
 8: 25 (tagging and recapture of A. halibut)
 33 (movement of herring off US coast)
 9: 37 (growth of pollock on Atlantic coast)
 45 (vertebral numbers in cod of Nfld.)
 141 (distribution of redfish on Grand Bank)
 S 11: 37 (size-at-age of cod off W. Greenland)
 91 (knowledge of recruitment for herring)
 12: 13 (wolffishes in West Greenland waters)
 13: 41 (biology of G. halibut at West Greenland)
 14: 45 (tagging of cod off W Greenland, 1946-64)
 15: 53 (silver hake on the Scotian Shelf, 1985)
 16: 79 (advice & management of fish at Greenland)

Morphometrics

- J 7: 89 (thorny skate from the NW Atlantic)
 123 (age estimation of scallop larvae)
 131 (meat recovery from scallops offshore)
 155 (thorny skate population characteristics)

- J 9: 5 (sand lances of eastern Newfoundland)
 13 (biological status of pollock)
 45 (vertebral numbers in cod of Nfld.)
 53 (groundfish data in stock assessments)
 123 (growth of northern shrimp from NW Atl.)
 11: 7 (length of roughhead grenadier)
 29 (size frequency of lobsters)
 12: 7 (meristic characters in G. halibut)
 41 (growth & sexual maturity of sand lance)
 13: 53 (information on Atlantic wolffish)
 63 (morphological characteristics of otoliths)
 77 (mating aggregation of spider crab)
 S 11: 37 (size-at-age of cod off W. Greenland)
 15: 35 (growth of G halibut in the NE Atlantic)
 16: 13 (cod - capelin interactions)
 49 (predicting year-class strength)
 57 (effects of growth on estimation of $F_{0.1}$)

[N]

North Sea

- S 16: 129 (North Sea cod stock forecasts)

Northeast Atlantic

- S 12: 21 (gillnet surveys for cod in German waters)
 15: 35 (growth of G halibut in the NE Atlantic)
 16: 129 (North Sea cod stock forecasts)
 153 (more efficient TAC policies)

Northern shrimp (*Pandalus borealis*)

- J 9: 123 (growth of northern shrimp from NW Atl.)
 S 12: 7 (G. halibut in West Greenland waters)
 71 (water masses, currents & ice, Denmark St.)
 16: 79 (advice & management of fish at Greenland)

Norwegian Sea

- S 11: 63 (target strength of pelagics by acoustics)
 16: 49 (predicting year-class strength)

[O]

Oceanography

- J 8: 5 (physical processes at the Shelf edge)
 9: 81 (environmental conditions off W. Greenland)
 97 (water intrusion to Great South Channel)

J 9: 103 (temperature on population parameters)

- S 11: 23 (review of environmental conditions, 1985)
 12: 43 (review of environmental conditions, 1986)
 57 (water temperature off Nfld & Labrador)
 13: 27 (review of environmental conditions, 1987)
 14: 7 (review of environmental conditions, 1988)
 39 (cod recruitment vs physical environment)
 51 (G-halibut & roundnose grenadier, 1968-86)
 15: 7 (review of environmental conditions, 1989)
 19 (warming effect on fisheries in N Atl.)
 25 (predictability of temp. at W Greenl.)
 31 (salinity & temperature at W Greenland)

Overviews

- J 8: 67 (review of marine fish communities)
 13: 25 (assessment & management of Georges B cod)
 14: 115 (lobster landing trends, 1947-88)
 S 11: 23 (review of environmental conditions, 1985)
 12: 43 (review of environmental conditions, 1986)
 71 (water masses, currents & ice, Denmark St.)
 13: 27 (review of environmental conditions, 1987)
 41 (biology of G. halibut at West Greenland)
 14: 7 (review of environmental conditions, 1988)
 15: 7 (review of environmental conditions, 1989)

[P]

Pelagic fishes

S 11: 63 (target strength of pelagics by acoustics)

Plankton

- J 9: 37 (growth of pollock on Atlantic coast)
 S 11: 7 (ichthyoplankton on Flemish Cap)
 12: 37 (biology & distribution of lanternfishes)
 15: 53 (silver hake on the Scotian Shelf, 1985)

Pollock (*Pollachius virens*)

- J 9: 13 (biological status of pollock)
 J 9: 37 (growth of pollock on Atlantic coast)
 13: 63 (morphological characteristics of otoliths)

Population

- J 9: 103 (temperature on population parameters)
 11: 11 (biology & population of sand lance)
 S 14: 45 (tagging of cod off W Greenland, 1946-64)

[R]

Recruitment

- J 8: 55 (survival of pre-recruit fishes)
 13: 15 (distribution and recruitment of cod)
 14: 103 (variability of silver hake on Scotian Shelf)
 S 11: 83 (report of Session on recruitment)
 91 (knowledge of recruitment for herring)
 109 (research on recruitment of cod & redfish)
 14: 39 (cod recruitment vs physical environment)
 16: 21 (recruitment variability of three fishes)
 25 (redfish simulation study)

Reproduction

- J 7: 99 (biological aspects of lanternfish)
 123 (age estimation of scallop larvae)
 145 (reproductive biology of haddock)
 11: 11 (biology & population of sand lance)
 13: 77 (mating aggregation of spider crab)
 83 (reproduction & early life of sea scallops)
 S 11: 53 (characteristics of herring spawning)
 83 (report of Session on recruitment)
 12: 27 (area closures in management of haddock)
 15: 43 (fecundity of yellowtail flo. on Grand B.)
 16: 49 (predicting year-class strength)

Roughhead grenadier (*Macrourus berglax*)

S 13: 59 (roughhead grenadier investigation, 1967-83)

Roundnose grenadier (*Coryphaenoides rupestris*)

- J 11: 7 (length of roughhead grenadier)
 S 11: 43 (species composition of trawl catches)
 14: 51 (G halibut & roundnose grenadier, 1968-86)

[S]

Salinity

- J 9: 81 (environmental conditions off W. Greenland)
 97 (water intrusion to Great South Channel)
 S 11: 23 (review of environmental conditions, 1985)
 71 (temperature & salinity near Bay of Fundy)
 12: 43 (review of environmental conditions, 1986)
 13: 27 (review of environmental conditions, 1987)
 14: 7 (review of environmental conditions, 1988)
 29 (thermohaline observations off W Greenl.)

- S 14: 39 (cod recruitment vs physical environment)
 15: 7 (review of environmental conditions, 1989)
 31 (salinity & temperature at W Greenland)

Sand lances (*Ammodytes* spp.)

- J 7: 107 (juvenile sand lance off east USA)
 9: 5 (sand lances of eastern Newfoundland)
 11: 11 (biology & population of sand lance)
 12: 41 (growth & sexual maturity of sand lance)
- S 16: 79 (advice & management of fish at Greenland)

Scotian Shelf

- J 7: 137 (precision of survey estimates of cod)
 9: 13 (biological status of pollock)
 73 (species composition in bottom trawl)
 11: 51 (improving groundfish survey estimates)
 13: 15 (distribution and recruitment of cod)
 14: 87 (diet of silver hake on Scotian Shelf)
 103 (variability of silver hake on Scotian Shelf)
 115 (lobster landing trends, 1947-88)

- S 15: 53 (silver hake on the Scotian Shelf, 1985)
 16: 133 (harvesting strategies in a modeled fishery)

Sea scallop (*Placopecten magellanicus*)

- J 7: 117 (survey design for scallops, Georges B.)
 123 (age estimation of scallop larvae)
 131 (meat recovery from scallops offshore)
 8: 43 (distribution of scallop in Bay of Fundy)
 13: 83 (reproduction & early life of sea scallops)

Selectivity

- S 12: 21 (gillnet surveys for cod in German waters)

Sequential population analysis

- S 16: 103 (assessment of *A. plaice* in Div. 3LNO)
 17: 3 (intro to sequential population analysis)

Sexual maturity

- J 7: 155 (thorny skate population characteristics)

Silver hake (*Merluccius bilinearis*)

- J 13: 63 (morphological characteristics of otoliths)
 14: 87 (diet of silver hake on Scotian Shelf)
 103 (variability of silver hake on Scotian Shelf)
- S 15: 53 (silver hake on the Scotian Shelf, 1985)

Spawning

- J 7: 99 (biological aspects of lanternfish)
 145 (reproductive biology of haddock)
- J 9: 5 (sand lances of eastern Newfoundland)
 103 (temperature on population parameters)
- S 11: 7 (ichthyoplankton on Flemish Cap)
 53 (characteristics of herring spawning)
 83 (report of Session on recruitment)
 91 (knowledge of recruitment for herring)
 109 (research on recruitment of cod & redfish)
- 12: 7 (*G. halibut* in West Greenland waters)
 37 (biology & distribution of lanternfishes)
- 13: 41 (biology of *G. halibut* at West Greenland)
 15: 43 (fecundity of yellowtail flo. on Grand B.)
 16: 49 (predicting year-class strength)
 137 (managing transboundary flatfish stocks)
 171 (stock rebuilding over time)

Spider crab (*Libinia emarginata*)

- J 13: 77 (mating aggregation of spider crab)

Spotted wolffish (*Anarhichas minor*)

- S 12: 13 (wolffishes in West Greenland waters)

Surveys method

- J 7: 107 (juvenile sand lance off east USA)
 117 (survey design for scallops, Georges B.)
 137 (precision of survey estimates of cod)
- 8: 15 (catchability of major groundfish)
 9: 53 (groundfish data in stock assessments)
 73 (species composition in bottom trawl)
 133 (depth influence on abundance of groundfish)
- 11: 11 (biology & population of sand lance)
 43 (vertical distribution of larval redfish)
 51 (improving groundfish survey estimates)
- 13: 15 (distribution and recruitment of cod)
 53 (information on Atlantic wolffish)
 83 (reproduction & early life of sea scallops)
- S 11: 37 (size-at-age of cod off W. Greenland)
 63 (target strength of pelagics by acoustics)
 75 (fishing grounds of longliners off SW NS)
- 12: 7 (*G. halibut* in West Greenland waters)
 13 (wolffishes in West Greenland waters)
 21 (gillnet surveys for cod in German waters)
- 13: 53 (common grenadier in trawl surveys, 1967-83)
 16: 39 (fish discarding in the G. of St Lawrence)
 103 (assessment of *A. plaice* in Div. 3LNO)
 123 (uncertainty in assessment & surveys)

[T]

Tagging

- J 8: 25 (tagging and recapture of A. halibut)
 33 (movement of herring off US coast)
 9: 13 (biological status of pollock)
 37 (growth of pollock on Atlantic coast)
 11: 39 (recoveries of cod & plaice tags)
 12: 13 (wolfishes in West Greenland waters)
 27 (tagging mortality of lab held herring)
 13: 41 (biology of G. halibut at West Greenland)
 14: 45 (tagging of cod off W Greenland, 1946-64)

Temperature

- J 7: 145 (reproductive biology of haddock)
 8: 43 (distribution of scallop in Bay of Fundy)
 55 (survival of pre-recruit fishes)
 9: 81 (environmental conditions off W. Greenland)
 103 (temperature on population parameters)
 123 (growth of northern shrimp from NW Atl.)
 141 (distribution of redfish on Grand Bank)
 11: 59 (megafaunal assemblages off eastern USA)
 14: 103 (variability of silver hake on Scotian Shelf)
 107 (Greenland halibut in the NW Atl., 1969-88)
 137 (influence of temperature on some stocks)
- S 11: 23 (review of environmental conditions, 1985)
 43 (species composition of trawl catches)
 53 (characteristics of herring spawning)
 71 (temperature & salinity near Bay of Fundy)
 12: 37 (biology & distribution of lanternfishes)
 43 (review of environmental conditions, 1986)
 57 (water temperature off Nfld & Labrador)
 13: 27 (review of environmental conditions, 1987)
 53 (common grenadier in trawl surveys, 1967-83)
 59 (roughhead grenadier investigation, 1967-83)
 14: 7 (review of environmental conditions, 1988)
 21 (temperature in the Gulf of Maine)
 29 (thermohaline observations off W Greenl.)
 39 (cod recruitment vs physical environment)
 51 (G halibut & roundnose grenadier, 1968-86)
 15: 7 (review of environmental conditions, 1989)
 19 (warming effect on fisheries in N Atl.)
 25 (predictability of temp. at W Greenl.)
 31 (salinity & temperature at W Greenland)
 53 (silver hake on the Scotian Shelf, 1985)

Thorny skate (*Raja radiata*)

- J 7: 89 (thorny skate from the NW Atlantic)
 155 (thorny skate population characteristics)

[V]

Virtual Population Analysis

- S 17: 3 (intro to sequential population analysis)

[W]

West Greenland

- J 7: 155 (thorny skate population characteristics)
 8: 25 (tagging and recapture of A. halibut)
 9: 81 (environmental conditions off W. Greenland)
 12: 7 (meristic characters in G. halibut)
- S 11: 37 (size-at-age of cod off W. Greenland)
 12: 7 (G. halibut in West Greenland waters)
 13 (wolfishes in West Greenland waters)
 13: 41 (biology of G. halibut at West Greenland)
 14: 29 (thermohaline observations off W Greenl.)
 39 (cod recruitment vs physical environment)
 45 (tagging of cod off W Greenland, 1946-64)
 15: 25 (predictability of temp. at W Greenl.)
 31 (salinity & temperature at W Greenland)
 16: 79 (advice & management of fish at Greenland)

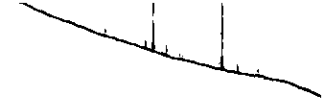
Witch flounder (*Glyptocephalus cynoglossus*)

- J 12: 15 (biological aspects of witch flounder)

[Y]

Yellowtail flounder (*Limanda ferruginea*)

- J 14: 47 (cod & flounder catches on Grand B., 1971-89)
- S 15: 43 (fecundity of yellowtail flo. on Grand B.)
 16: 137 (managing transboundary flatfish stocks)



[A]

AKENHEAD, S. A. (Canada)

S 12: 57 (water temperature off Nfld & Labrador)

ALBIKOVSKAYA, L. K. (Russia)

S 12: 37 (biology & distribution of lanternfishes)

ALDONOV, V. K. (Russia)

S 11: 7 (ichthyoplankton on Flemish Cap)

ANDERSON, J. T. (Canada)

J 8: 55 (survival of pre-recruit fishes)

ARKHIPKIN, A. I. (Russia)

J 12: 63 (reproductive system in cephalopods)

ASTAFJEVA, A. V. (Russia)

S 11: 7 (ichthyoplankton on Flemish Cap)

ATKINSON, D. B. (Canada)

J 9: 141 (distribution of redfish on Grand Bank)

11: 7 (length of roughhead grenadier)

S 16: 25 (redfish simulation study)

AUSTER, P. J. (USA)

J 8: 67 (review of marine fish communities)

11: 59 (megafaunal assemblages off eastern USA)

13: 77 (mating aggregation of spider crab)

[B]

BAIDALINOV, A. P. (Russia)

J 14: 137 (influence of temperature on some stocks)

BAIRD, J. W. (Canada)

S 16: 111 (stock size and catch of cod off Nfld.)

121 (uncertainty in ADAPT using simulation)

BECK, B. (Canada)

J 9: 37 (growth of pollock on Atlantic coast)

BISHOP, C. A. (Canada)

S 16: 111 (stock size and catch of cod off Nfld.)

121 (uncertainty in ADAPT using simulation)

BOJE, J. (Denmark)

J 12: 7 (meristic characters in G. halibut)

S 12: 7 (G. halibut in West Greenland waters)

13: 41 (biology of G. halibut at West Greenland)

BOWERING, W. R. (Canada)

S 16: 103 (assessment of A. plaice in Div. 3LNO)

137 (managing transboundary flatfish stocks)

BRAULT, S. (USA)

S 16: 171 (stock rebuilding over time)

BRETHES, J. C. (Canada)

J 12: 41 (growth & sexual maturity of sand lance)

BRODIE, W. B. (Canada)

J 14: 47 (cod & flounder catches on Grand B., 1971-89)

S 16: 103 (assessment of A. plaice in Div. 3LNO)

137 (managing transboundary flatfish stocks)

BUCH, E. (Denmark)

J 9: 81 (environmental conditions off W. Greenland)

S 15: 25 (predictability of temp. at W Greenl.)

BURNETT, J. (USA)

J 12: 15 (biological aspects of witch flounder)

BUSCH, D. A. (USA)

J 9: 97 (water intrusion to Great South Channel)

[C]

CAMPBELL, A. (Canada)

J 11: 29 (size frequency of lobsters)

CHRISTENSEN, S. (Denmark)

S 14: 45 (tagging of cod off W Greenland, 1946-64)

CHUMAKOV, A. K. (Russia)

J 14: 107 (Greenland halibut in the NW Atl., 1969-88)

S 11: 7 (ichthyoplankton on Flemish Cap)
14: 51 (G halibut & roundnose grenadier, 1968-86)CLARK, S. H. (USA)J 9: 13 (biological status of pollock)
12: 15 (biological aspects of witch flounder)CLAY, D. (Canada)

J 9: 37 (growth of pollock on Atlantic coast)

COOK, R. M. (United Kingdom)S 16: 129 (North Sea cod stock forecasts)
17: 3 (intro to sequential population analysis)COOPER, R. A. (USA)

J 11: 59 (megafaunal assemblages off eastern USA)

COUTURIER, C. (Canada)

J 7: 123 (age estimation of scallop larvae)

CREASER, E. P. (Canada)

J 8: 33 (movement of herring off US coast)

[D]

DEGOURSEY, R. E. (USA)

J 13: 77 (mating aggregation of spider crab)

DESROSIERS, G. (Canada)

J 12: 41 (growth & sexual maturity of sand lance)

DRINKWATER, K. F. (Canada)S 11: 23 (review of environmental conditions, 1985)
71 (temperature & salinity near Bay of Fundy)
12: 43 (review of environmental conditions, 1986)S 13: 27 (review of environmental conditions, 1987)
14: 7 (review of environmental conditions, 1988)
15: 7 (review of environmental conditions, 1989)

[E]

ENGÅS, A. (Norway)

J 9: 133 (depth influence on abundance of groundfish)

ERMOLCHEV, V. A. (Russia)

S 11: 63 (target strength of pelagics by acoustics)

[F]

FAHRIG, L. (Canada)S 16: 13 (cod - capelin interactions)
25 (redfish simulation study)FILIN, A. A. (Russia)

J 7: 99 (biological aspects of lanternfish)

FOGARTY, M. J. (USA)

J 14: 59 (fish biomass & yield on Grand B., 1960-87)

FOWLER, G. M. (Canada)J 11: 39 (recoveries of cod & plaice tags)
12: 27 (tagging mortality of lab held herring)FRANCIS, R. I. C. C. (New Zealand)

S 16: 143 (risk analysis in fishery management)

FRECHET, A. A. (Canada)

S 16: 95 (cod stock abundance in G. of St Lawrence)

FRYER, R. J. (United Kingdom)

S 16: 129 (North Sea cod stock forecasts)

[G]

GABRIEL, W. (USA)

J 14: 29 (demersal fish assemblages off east US)

GASCON, D. (Canada)

S 16: 59 (consistency of groundfish assessments)

GAVARIS, S. (Canada)

J 7: 137 (precision of survey estimates of cod)

S 16: 59 (consistency of groundfish assessments)

GODØ, O. R. (Norway)

J 8: 25 (tagging and recapture of A. halibut)

9: 133 (depth influence on abundance of groundfish)

GOMES, M. C. (Canada)

J 14: 13 (groundfish assemblages on the Grand Bank)

GRISWOLD, C. A. (USA)

J 12: 35 (fecundity of Atlantic mackerel)

GROSSLEIN, M. D. (USA)

S 11: 83 (report of Session on recruitment)

91 (knowledge of recruitment for herring)

[H]

HAEDRICH, R. L. (Canada)

J 14: 13 (groundfish assemblages on the Grand Bank)

HALLIDAY, R. G. (Canada)

J 10: 1 (fishing areas in the NW Atlantic)

S 11: 75 (fishing grounds of longliners off SW NS)

12: 27 (area closures in management of haddock)

HANSEN, H. H. (Denmark)

S 11: 37 (size-at-age of cod off W. Greenland)

HAUG, T. (Norway)

J 8: 25 (tagging and recapture of A. halibut)

HOENIG, J. M. (Canada)

S 16: 121 (uncertainty in ADAPT using simulation)

HORSTED, Sv. Aa. (Denmark)

S 16: 79 (advice & management of fish at Greenland)

HOVGÅRD, H. (Denmark)

S 12: 21 (gillnet surveys for cod in German waters)

14: 45 (tagging of cod off W Greenland, 1946-64)

HUNT, J. J. (Canada)

J 13: 63 (morphological characteristics of otoliths)

HURLEY, G. V. (Canada)

J 7: 123 (age estimation of scallop larvae)

HURLEY, P. C. F. (Canada)

J 9: 37 (growth of pollock on Atlantic coast)

[I]

IDOINE, J. S. (USA)

J 14: 79 (multispecies size composition)

[J]

JONES, C. D. (USA)S 16: 57 (effects of growth on estimation of $F_{0.1}$)JONSSON, E. (Iceland)

J 9: 53 (groundfish data in stock assessments)

[K]

KEATS, D. W. (South Africa)

J 13: 7 (feeding of juvenile cod in east Nfld)

KENCHINGTON, T. J. (Canada)

J 11: 43 (vertical distribution of larval redfish)

KIZNER, Z. I. (Russia)

S 16: 123 (uncertainty in assessment & surveys)

S 16: 149 (estimation of assessments by use of models)

KOELLER, P. A. (Canada)

J 11: 51 (improving groundfish survey estimates)

KUNZLIK, P. A. (United Kingdom)

S 16: 129 (North Sea cod stock forecasts)

[L]

LA ROSA, S. C. (USA)

J 11: 59 (megafaunal assemblages off eastern USA)

LANGE, A. M. (USA)

J 12: 49 (interaction between squid & butterfish)

LARRAÑETA, M. G. (Spain)

J 14: 129 (commercial fish in Div. 3NO)

LASSEN, H. (Denmark)

S 16: 165 (uncertainties in fish stock management)

LAUREC, A. (France)

S 16: 153 (more efficient TAC policies)

LAZIER, J. (Canada)

S 12: 57 (water temperature off Nfld & Labrador)

LIBBY, D. A. (USA)

J 8: 33 (movement of herring off US coast)

LILLY, G. R. (Canada)

S 11: 83 (report of Session on recruitment)
109 (research on recruitment of cod & redfish)

LODER, J. (Canada)

S 12: 57 (water temperature off Nfld & Labrador)

LOENG, H. (Norway)

J 9: 103 (temperature on population parameters)

LOUGH, R. G. (USA)

J 7: 107 (juvenile sand lance off east USA)

[M]

MAHON, R. (Canada)

J 9: 73 (species composition in bottom trawl)

MALATESTA, R. J. (USA)

J 11: 59 (megafaunal assemblages off eastern USA)

MAYO, R. K. (USA)

J 9: 13 (biological status of pollock)
14: 59 (fish biomass & yield on Grand B., 1960-87)

MAZHIRINA, G. P. (Russia)

J 7: 99 (biological aspects of lanternfish)

McGARVEY, R. (Canada)

J 13: 83 (reproduction & early life of sea scallops)

McGLADE, J. M. (Canada)

J 9: 13 (biological status of pollock)

McLAREN, I. A. (Canada)

J 13: 83 (reproduction & early life of sea scallops)

MERCER, V. L. (Canada)

J 9: 123 (growth of northern shrimp from NW Atl.)

MESSIEH, S. N. (Canada)

J 14: 135 (fluctuations in herring stocks)

S 11: 53 (characteristics of herring spawning)

MESSTORFF, J. (Republic of Germany)

S 12: 13 (wolffishes in West Greenland waters)
14: 39 (cod recruitment vs physical environment)

MILLAR, R. B. (Canada)

S 16: 13 (cod - capelin interactions)

MOHN, R. K. (Canada)

- J 7: 117 (survey design for scallops, Georges B.)
 S 16: 133 (harvesting strategies in a modeled fishery)
 17: 3 (intro to sequential population analysis)

MOUNTAIN, D. G. (USA)

- J 9: 97 (water intrusion to Great South Channel)

MURAWSKI, S. A. (USA)

- J 14: 79 (multispecies size composition)

MURPHY, E. F. (Canada)

- S 16: 111 (stock size and catch of cod off Nfld.)

MYERS, R. A. (Canada)

- S 16: 21 (recruitment variability of three fishes)

[N]

NAIDU, K. S. (Canada)

- J 7: 131 (meat recovery from scallops offshore)

NAZAROVA, G. I. (Russia)

- S 15: 53 (silver hake on the Scotian Shelf, 1985)

NELSON, G. A. (USA)

- J 11: 11 (biology & population of sand lance)
 13: 53 (information on Atlantic wolffish)

NIZOTSEV, G. P. (Russia)

- S 15: 35 (growth of G halibut in the NE Atlantic)

[O]

O'BOYLE, R. (Canada)

- S 16: 59 (consistency of groundfish assessments)

OVERHOLTZ, W. J. (USA)

- J 7: 145 (reproductive biology of haddock)
 9: 115 (growth of Atlantic mackerel stock)

[P]

PALSSON, O. K. (Iceland)

- J 9: 53 (groundfish data in stock assessments)

PARSONS, D. G. (Canada)

- J 9: 123 (growth of northern shrimp from NW Atl.)

PASTUSZAK, M. (Poland)

- J 9: 97 (water intrusion to Great South Channel)

PAZ, J. (Spain)

- J 14: 129 (commercial fish in Div. 3NO)

PELLETIER, D. (France)

- S 16: 153 (more efficient TAC policies)

PENNEY, L. W. (Canada)

- S 13: 7 (conversion factors for cod)

PETERS, G. R. (Canada)

- S 13: 7 (conversion factors for cod)

PETRIE, B. (Canada)

- S 12: 57 (water temperature off Nfld & Labrador)

PEZZACK, D. S. (Canada)

- J 14: 115 (lobster landing trends, 1947-88)

PINHORN, A. T. (Canada)

- J 8: 15 (catchability of major groundfish)
 10: 1 (fishing areas in the NW Atlantic)

POTTER, D. C. (USA)

- J 7: 107 (juvenile sand lance off east USA)

PRAGER, M. H. (USA)

- S 16: 57 (effects of growth on estimation of $F_{0.1}$)

[R]

RESTREPO, V. R. (USA)

- S 16: 121 (uncertainty in ADAPT using simulation)

RICE, J. C. (Canada)

J 14: 13 (groundfish assemblages on the Grand Bank)

RIGET, F. (Denmark)

J 12: 7 (meristic characters in G. halibut)

S 12: 7 (G. halibut in West Greenland waters)

13 (wolffishes in West Greenland waters)

13: 41 (biology of G. halibut at West Greenland)

RIVARD, D. (Canada)

S 16: 59 (consistency of groundfish assessments)

ROBERT, G. (Canada)

J 7: 117 (survey design for scallops, Georges B.)

ROBICHAUD, D. A. (Canada)

J 11: 29 (size frequency of lobsters)

RODDICK, D. L. (Canada)

J 7: 117 (survey design for scallops, Georges B.)

ROSENBERG, A. A. (USA)

S 16: 171 (stock rebuilding over time)

ROSS, M. R. (USA)

J 11: 11 (biology & population of sand lance)

12: 15 (biological aspects of witch flounder)

13: 53 (information on Atlantic wolffish)

[S]

SAINT-PIERRE, R. (Canada)

J 12: 41 (growth & sexual maturity of sand lance)

SANDSTRÖM, H. (Canada)

J 8: 5 (physical processes at the Shelf edge)

SAVVATIMSKY, P. I. (Russia)

S 11: 43 (species composition of trawl catches)

13: 53 (common grenadier in trawl surveys, 1967-83)

59 (roughhead grenadier investigation, 1967-83)

14: 51 (G halibut & roundnose grenadier, 1968-86)

SCHOPKA, S. A. (Iceland)

J 9: 53 (groundfish data in stock assessments)

SERCHUK, F. M. (USA)

J 13: 25 (assessment & management of Georges B cod)

83 (reproduction & early life of sea scallops)

14: 59 (fish biomass & yield on Grand B., 1960-87)

SEREBRYAKOV, V. P. (Russia)

J 14: 107 (Greenland halibut in the NW Atl., 1969-88)

S 11: 7 (ichthyoplankton on Flemish Cap)

S 16: 49 (predicting year-class strength)

SHELTON, P. A. (Canada)

S 16: 13 (cod - capelin interactions)

SHEPHERD, J. (United Kingdom)

S 16: 7 (report of the Special Session)

SHERSTYUKOV, A. I. (Russia)

S 15: 53 (silver hake on the Scotian Shelf, 1985)

SIGAEV, I. K. (Russia)

J 14: 103 (variability of silver hake on Scotian Shelf)

SILVERMAN, M. J. (USA)

J 12: 35 (fecundity of Atlantic mackerel)

SIMONSEN, V. (Denmark)

J 12: 7 (meristic characters in G. halibut)

SINCLAIR, A. F. (Canada)

J 12: 27 (tagging mortality of lab held herring)

13: 15 (distribution and recruitment of cod)

S 11: 75 (fishing grounds of longliners off SW NS)

16: 59 (consistency of groundfish assessments)

SINCLAIR, M. M. (Canada)

J 8: 43 (distribution of scallop in Bay of Fundy)

SMITH, P. C. (Canada)

J 8: 5 (physical processes at the Shelf edge)

SMITH, R. W. (USA)

J 9: 73 (species composition in bottom trawl)

SMITH, S. J. (Canada)

J 7: 137 (precision of survey estimates of cod)

STEELE, D. H. (Canada)

J 13: 7 (feeding of juvenile cod in east Nfld)

STEFFANSSON, G. (Iceland)

J 9: 53 (groundfish data in stock assessments)

STEIN, M. (Republic of Germany)

J 9: 81 (environmental conditions off W. Greenland)

S 12: 71 (water masses, currents & ice, Denmark St.)

14: 29 (thermohaline observations off W Greenl.)

39 (cod recruitment vs physical environment)

15: 19 (warming effect on fisheries in N Atl.)

25 (predictability of temp. at W Greenl.)

31 (salinity & temperature at W Greenland)

STEINARSSON, B. Æ (Iceland)

J 9: 53 (groundfish data in stock assessments)

STEWART, L. L. (USA)

J 11: 59 (megafaunal assemblages off eastern USA)

STOBO, W. T. (Canada)

J 9: 37 (growth of pollock on Atlantic coast)

11: 39 (recoveries of cod & plaice tags)

12: 27 (tagging mortality of lab held herring)

STROWBRIDGE, L. A. (Canada)

S 13: 7 (conversion factors for cod)

[T]

TALLMAN, R. (Canada)

S 16: 39 (fish discarding in the G. of St Lawrence)

TEMPLEMAN, W. (Canada)

J 7: 89 (thorny skate from the NW Atlantic)

J 7: 155 (thorny skate population characteristics)

9: 45 (vertebral numbers in cod of Nfld.)

TEVS, I. I. (Russia)

J 14: 107 (Greenland halibut in the NW Atl., 1969-88)

TREMBLAY, M. J. (Canada)

J 7: 123 (age estimation of scallop larvae)

8: 43 (distribution of scallop in Bay of Fundy)

TRITES, R. W. (Canada)

S 11: 23 (review of environmental conditions, 1985)

12: 43 (review of environmental conditions, 1986)

13: 27 (review of environmental conditions, 1987)

14: 7 (review of environmental conditions, 1988)

15: 7 (review of environmental conditions, 1989)

TROYANOVSKY, F. M. (Russia)

J 14: 145 (observations on non-maturing redfish)

TRUE, E. D. (USA)

S 14: 21 (temperature in the Gulf of Maine)

[V]

VEITCH, P. J. (Canada)

J 9: 123 (growth of northern shrimp from NW Atl.)

[W]

WALDRON, D. E. (Canada)

J 14: 87 (diet of silver hake on Scotian Shelf)

WALSH, S. J. (Canada)

S 16: 137 (managing transboundary flatfish stocks)

WARING, G. T. (USA)

J 12: 49 (interaction between squid & butterfish)

WEGNER, G. (Republic of Germany)

S 14: 29 (thermohaline observations off W Greenl.)

WIGLEY, S. E. (USA)

[Z]

J 13: 25 (assessment & management of Georges B cod)

ZAMARRO, J. (Spain)

WIITALA, S. A. (USA)

S 15: 43 (fecundity of yellowtail flo. on Grand B.)

S 14: 21 (temperature in the Gulf of Maine)

WINTERS, G. H. (Canada)

J 9: 5 (sand lances of eastern Newfoundland)