

Contributions to be presented at the Statutory Meeting.

Contents

		<u>Page</u>
Gen	General Assembly Reports and Papers of General Interest	1
Del	Delegates Meetings	3
Fi	Finance Committee	4
ACFM	Advisory Committee on Fishery Management	4
ACMP	Advisory Committee on Marine Pollution..	4
Pub	Publications Committee	5
A	Consultative Committee	5
B	Fish Capture Committee	6
C	Hydrography Committee	9
D	Statistics Committee	13
E	Marine Environmental Quality Committee..	14
F	Mariculture Committee	21
G	Demersal Fish Committee	25
H	Pelagic Fish Committee	34
J	Baltic Fish Committee	42
K	Shellfish Committee	45
L	Biological Oceanography Committee	49
M	Anadromous and Catadromous Fish Committee	54
N	Marine Mammals Committee	58

-o-o-o-

Documents are coded for different Committees in accordance with their terms of reference and instructions given by the governing bodies from time to time.

In some cases a paper is coded to one Committee and reference is made to one or more other Committees. The intention is to ensure that members of both (all) Committees receive copies in advance. The Chairmen concerned will agree as to the presentation in the Committees. Presentation of the same material in more than one Committee should be avoided.



Gen - GENERAL ASSEMBLY REPORTS AND PAPERS OF GENERAL INTEREST

- Gen:1 "Observers' reports from collaborating organisations".
- Gen:2 "Activities of the International Council for the Exploration of the Sea 1980/81".
- Gen:3 M Byrne and
Poster P E Pullen
(Symp.) "Gulf Stream surface current measurements from integrated altimeter and thermal IR satellite data".
- Gen:4 S A Patin
Poster
(Symp.) "The experience of the use of data from remote sensing of the ocean for fisheries".
- Gen:5 Compiled by
ICES
Hydrographer "Catalogue of regularly issued marine environmental data products for the ICES area. 1981 issue".
- Gen:6 E M Maturi
Poster and J J Gurka
(Symp.) "Relationship between sea fog patterns and sea surface temperatures as shown by satellite imagery".
- Gen:7 R Wiesnet
Poster and S Staggs
(Symp.) "NOAA/AVHRR sea ice monitoring off the Greenland coast".
- Gen:8 E P McClain
Poster
(Symp.) "Split-window and triple-window sea surface temperature determination from satellite measurements".
- Gen:9 R L Bernstein
Poster
(Symp.) "Sea surface temperature mapping using the NOAA-series AVHRR sensor".
- Gen:10 A E Strong
Poster
(Symp.) "Improvements in satellite-derived monthly mean sea surface temperatures".
- Gen:11 P Geerders
Poster
(Symp.) "Data aspects of remote sensing of the ocean".
- Gen:12 ICES
Hydrographer "Mailing list for planned oceanographic cruise programmes".
- Gen:13 D Georgopolous
Poster and L Wald
(Symp.) "Remote sensing in the Aegan Sea".
- Gen:14 L Wald,
Poster J M Monget and
(Symp.) M Albuissou "Mediterranean hydrocarbons pollution from LANDSAT".

Gen - ctd.

- Gen:15 J Citeau "A short review of an oceanographic
Poster (Symp.) and F Domaine use of METEOSAT data at ORSTOM Remote
Sensing Service".
- Gen:16 J Citeau, "Remote sensing of the upwelling season
Poster (Symp.) B Piton and in the eastern tropical Atlantic Ocean".
B Voituriez
- Gen:17 J L Shuhy "Monitoring sea surface circulation on
Poster (Symp.) the Grand Banks with satellite-tracked
drifters".
- Gen:18 "Advance Release of Tables 1-5 and K of
Bulletin Statistique, Vol.65, 1980".
- Gen:19 R M Hayes "Surface drift in the Gulf Stream from
Poster (Symp.) a small, undrogued, air-deployed
satellite-tracked lagrangian drifter".
- Gen:20 O B Brown and "Evolution of sea surface temperature
Poster (Symp.) R H Evans patterns in the Somali Basin during
the summer monsoon: 1976-81".
- Gen:21 Withdrawn.
- Gen:22 K Hoydal "Review of assessments undertaken by
ICES' Working Groups in 1981".
- Gen:23 "Elections of Committee Chairmen at the
69th Statutory Meeting". (E+F)
- Gen:24 "Notes on recommendations and reports".
(E+F)
- Gen:25 M Roffer "Application of remote sensing to
Poster (Symp.) et al. Bluefin Tuna fisheries".
- Gen:26 R M Laurs "Roles of satellite observations in
Poster (Symp.) and R Lasker marine fisheries research".
- Gen:27 F I Gonzalez "SEASAT wind and wave observations of
Poster (Symp.) et al. Northeast Pacific hurricane IVA, 13
August 1978".
- Gen:28 R A Arnone "Bathymetric and hydrographic coastal
Poster (Symp.) feature recognition using LANDSAT and
CZCS imagery".
- Gen:29 G G Hayward "A high altitude wide angle underwater
Poster (Symp.) imaging system utilizing TV and
electronic flash illustrations".
- Gen:30 ICES "Analysis of replies to the 1980
Hydrographer questionnaire on the ICES Service
Hydrographie".

Del - DELEGATES PAPERS

- Del:1* "Audited accounts for 1979/80 with balance sheet as per 31/10 1980".
- Del:2* "Preliminary report on the administration 1980/81".
- Del:3* "Administrative reports of area- and subject Committees".
- Del:4* "Estimated accounts for the financial year 1980/81".
- Del:5* "Budget for the financial year 1981/82". (E+F)
- Del:6* "Forecast budget for the financial year 1982/83". (E+F)
- Del:7* "Advisory procedures regarding introductions and transfers of marine organisms".
- Del:8* "The cost of coordinating intercalibration exercises".
- Del:9* "Elections to be undertaken by the Council at the 69th Statutory Meeting". (E+F)
- Del:10* "Arrangements regarding requests for extra meetings of subsidiary bodies".

* For Delegates only.

(E+F) = in English and French.

B - FISH CAPTURE COMMITTEE

- B:1 Administrative Report.
- B:2 Withdrawn.
- B:3 J B Suomala Jr. "An acoustic fish-density estimation
Ref. Demersal and Pelagic and its precision".
Fish Cttees
- B:4 J B Suomala Jr. "Spherical reference targets for hydro-
Ref. Demersal and Pelagic and J M Crossen acoustic equipment calibration".
Fish Cttees
- B:5 G Thorsteinsson "The effect of net slack in the side-
Ref. Shellfish Cttee panels of shrimp trawls on the size
distribution of the catch".
- B:6 J M Alonso- "Data on selectivity for Nephrops
Ref. Shellfish Cttee Allende norvegicus on bottom trawl fishery
of Galicia (NW of Spain)".
- B:7 S E Shevtsov "Selectivity of the bottom trawl cod
ends with 100 and 110 mm mesh size
used for the Baltic cod fishery".
- B:8 K Lange and "Full scale trials with wind propulsion
P Schenzle on a small fishing vessel".
- B:9 "Second report of the Planning Group
for the Symposium on Fisheries
Acoustics, Nantes, 27-29 May 1981".
- B:10 G Thorsteinsson "A review of the Icelandic herring
drift-net fisheries".
- B:11 R P Briggs "Preliminary observations on the effect
Ref. Shellfish Cttee of a codend cover or lifter bag on
catch composition in the Northern
Ireland Nephrops fishery".
- B:12 A Aglen, "Target strength measurements and
O Hagström and C-value determinations of live
N Håkansson Skagerrak herring and cod".
- B:13 H Bohl "Selection of cod by bottom trawl cod
Ref. Baltic Fish Cttee ends in the central Baltic (German
experiments 1979 and 1980)".
- B:14 G Freytag "Recent German low-energy experiment".

Fish Capture Cttee (ctd)

- | | | |
|---|--|--|
| B:15 | B Hansen,
H f Jakupstovu
and B Thomsen | "A new Faroese research vessel". |
| B:16 | P J G Carrothers | "Common misinterpretations in fishing gear hydrodynamics". |
| B:17
Ref. Biol.
Oceanography
Cttee | J Dalen and
Å Kristensen | "Measurements of target strength and spatial orientation of <u>Euphausiids</u> (Krill)". |
| B:18
Poster | Ø Løvik and
Å Kristensen | "Acoustic classification of marine organisms". |
| B:19 | R De Clerck,
G Vanden
Broucke,
R Ponteyne
and N Cloet | "Further results of selectivity experiments with beam trawls". |
| B:20 | K G Foote,
H P Knudsen,
G Vestnes,
R Brede and
R L Nielsen | "Improved calibration of hydroacoustic equipment with copper spheres". |
| B:21
Ref. Pelagic
Fish Cttee | K G Foote | "Acoustic investigation of fish behaviour apropos avoidance reaction". |
| B:22 | K Olsen | "The significance of fish behaviour in the evaluation of hydroacoustic survey data". |
| B:23 | | "Report of the Working Group on Reactions of Fish to Fishing Operations". |
| B:24 | | Withdrawn. |
| B:25 | | Withdrawn. |
| B:26 | J I Edwards and
F Armstrong | "Measurement of the target strength of live herring and mackerel". |
| B:27 | D N MacLennan | "The target strength of cod at 38 kHz as a function of fish length". |
| B:28 | P A M Stewart | "Report on the trial year of the fish capture research data index scheme". |
| B:29 | P A M Stewart
and E S Strange | "Seine-netting in the United Kingdom". |

C - HYDROGRAPHY COMMITTEE

- | | | | |
|--|------------|--|---|
| C:1 | P Geerders | "Report on intersessional meeting of the IOC/IODE Task Team on Exchange and Archival of Air- and Spaceborne Remotely Sensed Oceanographic Data". | |
| Ref. MEQC | C:2 | "Third Report of the Marine Chemistry Chemistry Working Group, Nantes, 16-19 February 1981". | |
| | C:3 | J Smed | "Report of the Third Session of the IODE Group of Experts on Responsible National Oceanographic Data Centres". |
| | C:4 | J Smed | "Report on the Third Session of the Group of Experts on the MEDI Referral System". |
| | C:5 | W Zenk | "Overflow events in the southern South Atlantic". |
| | C:6 | G A Becker | "The North Sea heat budget". |
| Ref. Biol. Oceanography Cttee | C:7 | M Pastuszak, W R Wright and D Patanjo | "One year of nutrient distribution in the Georges Bank region in relation to hydrography, 1975-76". |
| Ref. MEQC | C:8 | G Kullenberg | "On the distribution of suspended matter between Norway and Spitsbergen". |
| Ref. MEQC and Biol. Oceanography Cttee | C:9 | | "Report of the meeting of the ICES Study Group on the Flushing Times of the North Sea on 27 and 28 February 1981 at the Fisheries Laboratory, Lowestoft". |
| Poster | C:10 | T Gytte | "A modular family of miniature instruments for simple acquisition and in field processing of oceanographic data". |
| | C:11 | K R Thompson | "Monthly changes of coastal sea level and the circulation of the North Atlantic". |
| | C:12 | A H Taylor | "A spectral analysis of long-term changes in surface temperature and surface salinity in the North-East Atlantic Ocean". |
| | C:13 | R R Dickson, W J Gould, P A Gurbutt and P D Killworth | "A seasonal signal in ocean currents to abyssal depths". |
| | C:14 | | Withdrawn. |

Hydrography Cttee (ctd)

- | | | |
|---|--|---|
| C:15 | Neads Group | "Deep water measurement in the eastern Atlantic (a) mean flow (b) eddy structure". |
| C:16 | W J Gould | "A front southwest of the Azores". |
| C:17 | ICES
Hydrographer | "Activities of the ICES Service Hydrographique during 1980/81". |
| C:18
Ref. MEQC | F Koroleff | "Direct spectrophotometric determination of dissolved aluminium in seawater by pyrocatechol violet". |
| C:19 | J Blindheim,
H Loeng and
R Sætre | "Long-term temperature trends in Norwegian coastal waters". |
| C:20 | S H Fonselius | "Some preliminary studies on patchiness in surface water". |
| C:21 | W Jenkins | "On the climate of a subtropical ocean gyre: decade time scale variations in water mass renewal in the Sargasso Sea". |
| C:22
Poster | P L Richardson
and T K McKee | "Free drifting buoy measurements in the North Atlantic". |
| C:23 | T Keffer | "Observations of potential vorticity using current meters". |
| C:24
Poster | B Bradford and
C Beardsley | "Long-term observations of currents on the southern flank of Georges Bank". |
| C:25
Poster | J Launiainen
and J Koljonen | "Variations of temperature and salinity at Finnish fixed observation stations in the Baltic Sea". |
| C:26 | ICES
Hydrographer | "Provisional programme of work for ICES Service Hydrographique 1981/82". |
| C:27 and
C:27 Annex | ICES
Hydrographer | "ICES catalogue of computer programmes in physical and chemical oceanography. 1981 issue". |
| C:28 | E Buch | "On the West Greenland Current". |
| C:29
Poster | M S McCartney
and L D Talley | "Variability of convectively formed water masses in the North Atlantic Ocean". |
| C:30
Ref. Biol.
Oceanography
Cttee | R W Houghton
and J Marra | "Physical and biological structure of exchange at a shelf break thermohaline front". |

Hydrography Cttee (ctd)

- C:31 M J Howarth "An intercomparison of AMF VACMs and Aanderaa RCM4s in a tidally dominated continental shelf sea".
- C:32 W E Hanson "US Coast Guard - NOAA current-measuring HF doppler radar: present capabilities, technique, and maritime applications in the mid-1980s".
Poster
- C:33 H U Lass, "Investigations of water exchange processes in the Darss Sill region".
R Schwabe,
W Matthäus and
E Francke
- C:34 Withdrawn.
- C:35 Withdrawn.
- C:36 J Smed "Introduction to the hydrography section of Annales Biologiques, Vol. 37 (for 1980)".
- C:37 J Smed "Report on the JSC/CCCO Meeting on Time Series of Ocean Measurements".
- C:38 J Smed "Synthesis of replies to the 1980 questionnaire on the ICES Service Hydrographique".
- C:39 J Smed "Report on the Second Session of the Committee on Climatic Changes and the Ocean".
- C:40 J Smed "Report on the 10th Session of the IOC Working Committee on International Oceanographic Data Exchange".
- C:41 C Maillard "Mean circulation in the North East Atlantic from historical data".
- C:42 "Report of the Working Group on Oceanic Hydrography".

Hydrography Cttee (ctd)

Reference Papers to the Hydrography Committee

E:17 MEQC	G Kullenberg	"Coastal zone exchange - proposal for an ICES Symposium".
E:34 MEQC		"Report of the First Meeting of the Working Group on Marine Sediments in relation to Pollution, Copenhagen, 1-3 June 1981".
G:82 Demersal Fish Cttee	B Lundgren	"A theoretical basis for accurate weighing at sea . A 'Dana' project".
H:39 Pelagic Fish Cttee	J Smed	"Temperature and salinity of the North Sea during the International Young Fish Survey 1981".
H:73 Pelagic Fish Cttee		"Report on joint Soviet-Icelandic investigations on hydrobiological conditions in the Norwegian Sea and Icelandic waters in May-June 1981".
L:24 Biol.Oceanogr. Cttee	R Schlitz and E Cohen	"A nitrogen budget for the Gulf of Maine and Georges Bank".
L:46 Biol.Oceanogr. Cttee		"Report of the Working Group on the Methodology of Primary Production, including Guidelines for the measurement of primary production in the ICES area".

D - STATISTICS COMMITTEE

D:1		Administrative Report.
D:2	D Pauly	"Stock assessment packages for programmable calculators and micro-computers: two examples, with a discussion of their potential usefulness in developing countries".
D:3	Ref. Fish Capture and Mariculture Cttees	"Report of the Statistics Committee Liaison Working Group, Copenhagen, 25-27 May 1981".
D:4	J F Caddy	"New initiatives in preparation of stock assessment program packages for fisheries".
D:5	J F Caddy	"Estimating natural mortality for species with divergent growth rates by sex".
D:6	V J Pigoga, R C Hanumara and S B Saila	"Estimation in models of growth-time relationships".
D:7	J A Pope and I Angus	"Analysing mixtures of normal populations".
D:8	J A Pope and A M Shanks	"Statistical software for non-statisticians".
D:9	P Lewy	"Optimum sampling concerning catch composition in the Danish North Sea industrial fishery".
D:10	H Lassen and P Lewy	"Some problems in SOP corrections".
D:11	W Panhorst	"Magnetic tape characteristics acceptable to ICES for fishery statistics and assessment purposes".
D:12	ICES Statistician	"Progress Report".
D:13	Ref. Mariculture Cttee	"Proposed Notes on the completion of Form STATLANT AQ".
<u>Reference Paper to the Statistics Committee</u>		
G:13	Demersal Fish Cttee	J G Pope "Practical guidelines for the precision of assessment data".

E - MARINE ENVIRONMENTAL QUALITY COMMITTEE

- E:1 Administrative Report with an Addendum.
- E:2 I Duedall, J Parker and P Woodhead "Coal combustion by-products - new material for artificial reef construction".
- E:3 F W Steimle Jr. "Trophic relationships of artificial reef fishes".
- E:4 H von Westernhagen et al. "Bioaccumulating substances and reproductive success in Baltic flounder, Platichthys flesus".
- E:5 S J de Groot "Bibliography of literature dealing with the effects of marine sand and gravel extraction on fisheries".
- E:6 "Report of the ICES/SCOR Working Group on the Study of Pollution of the Baltic, Copenhagen 2-3 March 1981".
- E:7 E Gould "Field stress in the scallop, Placopecten magellanicus".
Ref. Shellfish Cttee
- E:8 M A Dawson "Seasonal variations in hematology of the windowpane flounder, Scophthalmus aquosus, at three stations in Long Island Sound, USA".
- E:9 A Calabrese et al. "Effects of long-term exposure to silver and copper on growth, bioaccumulation and histopathology in the blue mussel (Mytilus edulis)".
- E:10 J T Graikoski "Bacteriological aspects of ocean dumping research".
- E:11 R B Gagosian and R A Duce "Input of petroleum hydrocarbons to the ocean via atmospheric transport".
- E:12 Withdrawn.
- E:13 Withdrawn.
- E:14 C R Allchin and J E Portmann "Results of a brief survey for HCB and HCBd in fish and shellfish from an area off the coast of England and Wales adjacent to a major site of manufacture".
- E:15 M J Waldo "Analysis of phthalate esters in environmental samples by gas chromatography and mass spectrometry".

MEQC (ctd)

- E:16 R J Law and R A A Blackman "Hydrocarbons in water and sediments from oil-producing areas of the North Sea".
- E:17 G Kullenberg "Coastal zone exchange - proposal for an ICES Symposium".
Ref. Hydrography
and Biol.Oceanogr.
Cttees
- E:18 S Koepf, E D Santoro, R Zimmer and J Nadeau "Selected metal concentrations in Mytilus edulis transplanted in and around a dredge material disposal site in the New York Bight".
- E:19 J B Pearce "Review of archiving and storage techniques used in maintaining biological tissues and other environment samples for future contaminant analyses".
- E:20 J G Parker "The granulometry of Belfast Lough sediments".
- E:21 J O'Connor "Studies on fates and effects of pollutants in the New York Bight".
- E:22 J A Calder "Concepts of assimilative capacity for waste disposal management".
- E:23 R A A Blackman and R J Law "The oil content of discharged drill-cuttings and its availability to benthos".
- E:24 R Elmgren, S Hansson, U Larsson and B Sundelin "The 'Thesis' oil spill: acute and long-term impact on the benthic ecosystem".
Ref. Biol.
Oceanography
Cttee
- E:25 B H Reynolds, C A Barczcz, D K Phelps and J Heltshe "Mussel watch - Correlation of histopathology and chemical bioaccumulation in mussels (Mytilus edulis and M. californianus) and oysters (Crassostrea virginica)".
- E:26 H Möller "Fish diseases in German and Danish coastal waters in summer 1980".
- E:27 H Möller "Field guide for the diagnosis of fish diseases and important fish parasites in the North Sea and Baltic Sea".
Poster
- E:28 J W Lavelle "Dispersion of particulates discharged during deep-sea mining".

MEQC (ctd)

- E:29 T Melvasalo and J Pawlak "Assessing the effects of marine pollution: experience from the Baltic Sea".
- E:30 F A Cross "Planned biomonitoring program by WESTPAC Task Team on Marine Pollution Research and Monitoring, using commercially exploited shellfish as determinants".
- E:31 A Mearns "Fate and effects of contaminants in marine ecosystems of the U.S. west coast with emphasis on Puget Sound, Washington".
- E:32 J P Thomas and J E O'Reilly "Effects of sewage sludge dumping on the consumption of oxygen in the water column at the New York Bight apex disposal site during a sludge tracking and acoustical experiment, 11-16 July 1976".
- E:33 "Report of the Working Group on Marine Pollution Baseline and Monitoring Studies in the North Atlantic, including the Report on the ad hoc Statistical Group to Advise on Trend Monitoring as an Appendix.
- E:34 Ref. Hydrography and Biol.Oceanogr. Cttees "Report of the First Meeting of the Working Group on Marine Sediments in relation to Pollution, Copenhagen, 1-3 June 1981".
- E:35 J Gentile "The effects of chronic mercury exposure on the survival, reproduction, and population dynamics of Mysidopsis bahea".
- E:36 J E Nadeau, D E Ruhlin, K Wisniewski and M G Creaser "Flux of copper, lead, zinc and mercury into Raritan Bay, New Jersey".
- E:37 Ref. Marine Mammals Cttee E Helle "Reproductive trends and occurrence of organochlorines and heavy metals in the Baltic seal populations".
- E:38 J B Frithsen "The bioconcentration of metals by benthic organisms in a marine microcosm".
- E:39 L Despres-Patanjo and R A Murchelano "Results of an initial survey to evaluate fish health in the western North Atlantic".

MBQC (ctd)

- E:40 R A Khan,
J Kiceniuk,
M Dawe and
U Williams "Long-term effects of crude oil on Atlantic cod".
- E:41 P Lassus et
J Devineau "Utilisation de cultures d'algues unicellulaires marines en écotoxicologie".
- E:42 D C Moore "Studies of environmental effects of sewage sludge dumping off the Firth of Forth".
- E:43 A Eleftheriou,
D C Moore,
D Basford and
M R Robertson "Experimental studies on the effects of sewage sludge on a benthic community".
- E:44 L C Massie
et al. "The levels of hydrocarbons in water and sediments in selected areas of the North Sea, and the assessment of their biological effect".
- E:45 H A Saltzmann "An investigation of the rates of biodegradation of aromatic hydrocarbons in marine sediments and the application of this approach to a survey of three North Sea oil-fields".
- E:46 J E Bodammer "The cytopathological effect of copper on the olfactory organs of larval fish (Pseudopleuronectes americanus and Melanogrammus aeglefinus)".
- E:47 D P Scott,
J F Uthe and
C L Chou "Further considerations of time trend determinations of contaminant levels in Canadian cod".
- E:48 J F Uthe,
C L Chou and
D P Scott "The state of art of environmental contaminant trend monitoring using resident biota populations".
- E:49 J F Uthe,
C J Musial
and K Palmork "A report on an intercomparison study of the determination of chlorinated biphenyl (PCB) isomers in fish oil".
- E:50 H C Freeman,
J F Uthe,
G B Sangalang
and E T Garside "Contaminant/liver histopathology in Canadian Atlantic cod (Gadus morhua)".
- E:51 H C Freeman,
G B Sangalang,
G Burns and
M McMenemy "The in vitro effects of dietary di-(2-ethylhexyl) phthalate (DEHP) on the Atlantic cod (Gadus morhua)".

MEQC (ctd)

- E:52 S Tilseth,
T S Solberg and
K Westrheim "Sublethal effects of the water-soluble fraction of Ekofisk crude oil on the early larval stages of cod (Gadus morhua L.)".
- E:53 J P Gouygou
et P Michel "Trois ans après l'"Amoco Cadiz": identification des hydrocarbures persistants".
- E:54 P Michel "Mesure globale des hydrocarbures aromatiques dans les produits marins par HPLC".
- E:55 M Friha
et G Conan "Impact à long terme des pollutions par hydrocarbures de l' "Amoco Cadiz" sur la mortalité des plies (Pleuronectes platessa) dans l'estuaire de l'Aber Benoit".
- E:56 R v.d. Berg,
J M P Buntsma-
Hamers and
B L Verboom "Biodegradability in the marine environment. 1. The chemostat as a model system for the aquatic environment".
- E:57 J F Payne
and L L Fancey "Mixed function oxidase enzyme induction as a biological monitor and indicator in aquatic toxicology: further studies".
- E:58 M Heral
et al. "Composition en éléments azotés minéraux et organiques de l'eau du bassin conchylicole de Marennes-Oléron".
- E:59 Y Desaunay "Le rôle de la recherche halieutique dans le cadre de la nouvelle réglementation française sur les extractions de granulats".
- E:60 P Tulkki,
L Niemistö and
J Koljonen "An attempt to develop a complete nutrient balance for the Gulf of Bothnia (Baltic Sea)".
Ref. Biol.
Océanography
Cttee
- E:61 L Brüggmann,
M Möhnke and
K H Rohde "Preliminary results on the distribution of some pollutants in the Baltic 1980".
- E:62 "Rapport du Groupe de Travail
'Pathologie et Maladies des
Organismes Marins', Oxford, Maryland,
Etats-Unis, 22-25 avril 1981"
(E+F).
Ref. Mariculture
Cttee
- E:63 A Jensen
and H Lassen "Trend monitoring of contaminants sampling design considerations".

Reference Papers to the Marine Environmental Quality Committee

- | | | |
|---------------------------------|---|---|
| C:2
Hydrography
Cttee | | "Third Report of the Marine Chemistry Working Group, Nantes, 16-19 February 1981". |
| C:8
Hydrography
Cttee | G Kullenberg | "On the distribution of suspended matter between Norway and Spitsbergen". |
| C:9
Hydrography
Cttee | | "Report of the meeting of the ICES Study Group on the Flushing Times of the North Sea on 27 and 28 February 1981 at the Fisheries Laboratory, Lowestoft". |
| C:18
Hydrography
Cttee | F Koroleff | "Direct spectrophotometric determination of dissolved aluminium in seawater by pyrocatechol violet". |
| L:2
Biol.Oceanogr.
Cttee | P Jeffries
and R Lambert | "Environmental gradients on a coastal megalopolis. I: biochemical correlates of spatial heterogeneity in zooplankton communities". |
| L:16
Biol.Oceanogr.
Cttee | J E O'Reilly
and D A Busch | "Preliminary estimates of an annual phytoplankton primary production for the north-western Atlantic Shelf, (Middle Atlantic Bight, Georges Bank, Gulf of Maine)". |
| L:17
Biol.Oceanogr.
Cttee | J E O'Reilly,
C Evans-Zetlin
and J P Thomas | "The relationship between surface and average water column concentrations of chlorophyll <u>a</u> in northwestern Atlantic Shelf water". |
| L:34
Biol.Oceanogr.
Cttee | M F Li | "A continuous cell line from cardiac tissue of a sturgeon (<u>Acipenser oxyrhynchus</u>)". |
| L:46
Biol.Oceanogr.
Cttee | | "Report of the Working Group on the Methodology of Primary Production, including Guidelines for the measurement of primary production in the ICES area". |
| N:8
Marine Mammals
Cttee | Cl. Alzieu
et R Duguay | "Nouvelles données sur la contamination des Cétacés par les organochlorés". |
| N:9
Marine Mammals
Cttee | R Wagemann
and D C G Muir | "Assessment of heavy metals and organochlorine concentrations in marine mammals of northern waters". |

MEQC (ctd)

Reference papers

N:10
Marine Mammals
Cttee

A Bergman,
M Olsson and
L Reutergårdh

"Lowered reproduction rate in seal population and PCB. A discussion of comparability of results and a presentation of some data from research on the Baltic seals".

F - MARICULTURE COMMITTEE

- F:1 Administrative Report.
- F:2 "Publications of interest to the Mariculture Committee, 1980", with Addendum 1.
- F:3 H Koops,
K Tiews,
J Gropp and
H Schwalb-
Bühlung "Further results on the replacement of fish meal by other protein feed stuffs in pellet feeds for rainbow trout (Salmo gairdneri)".
- F:4 H Schwalb-
Bühlung,
J Gropp,
H Koops and
K Tiews "On the protein-energy interrelationship in pellet feeds for rainbow trout (Salmo gairdneri)".
- F:5 "Report of the Working Group on Genetics, Copenhagen, 12-14 May 1981".
- F:6 K Tiews,
M Manthey
and H Koops "The carry-over of fluoride from krill meal pellets into rainbow trout (Salmo gairdneri)".
- F:7 H Ackefors "The planning of aquaculture as a new branch of business in Sweden".
- F:8 B G Ivanov "Decapod crustaceans from the North Pacific as a source of introduction into the Atlantic Ocean".
- Ref. Shellfish
Cttee
- F:9 I N Grinyuk
Ref. Anacat.
Cttee et al. "Length, weight and fecundity of pink salmon spawning migrants in the rivers of the Kola Peninsula".
- F:10 B R Howell,
P J Bromley
and T C Adkins "The food value of Artemia for larval turbot, Scophthalmus maximus; effects on survival, growth and acceptance of a compound feed".
- F:11 V Oiestad and
Ref. Demersal
Fish Cttee P G Kvenseth "Gadus morhua in an inlet".
- F:12 B Lubieniecki
and M Zawadzki "Some notes on mortality of rainbow trout Salmo gairdneri (Richardson) kept in net pens in Puck Bay, southern Baltic Sea".
- F:13 I Huse and
P A Jensen "Present status of an intensive cod larvae rearing experiment at Austevoll".

Mariculture Cttee (ctd)

- F:14 I Huse "An attempt to start feed cod larvae with artificial diets".
- F:15 H Rosenthal "Experiences with closed culture systems on a commercial scale".
- F:16 H Rosenthal, P-D Hansen and H Bergmann "Accumulation of trace contaminants in fishes raised in recirculation systems".
- F:17 J T Carlton "Caveat indigenae: the unintentional introduction of exotic species with target species in mariculture operations, and the potential ecological impact on the adjacent environment".
- F:18 J H Ryther "Commercial mariculture in the United States with emphasis on the north-eastern region".
- F:19 H H Webber "Aquabusiness".
- F:20 S M Gallagher and R Mann "Larval bivalve condition index based on lipid content visualized with lipid specific stains".
- Ref.Shellfish Cttee
- F:21 F G Whoriskey, R J Naiman and W L Montgomery "Experimental sea ranching of brook trout, Salvelinus fontinalis".
- F:22 G C Sasaki "Microencapsulated feeds for larval fish: a preliminary study".
- F:23 J H Rittenburg "A mechanism for food transport in the midgut gland of the lobster, Homarus americanus".
- F:24 C D Taylor and H W Jannasch "Chemosynthetic sulfur bacteria as a potential food source in mariculture".
- F:25 E W Rhodes, J C Widman and P Boyd "Experimental evaluation of nursery and grow-out methods for the Bay Scallop, Argopecten irradians".
- F:26 H Hidu "European oysters in Maine - A new American culture fishery".
- Ref.Shellfish Cttee
- F:27 J Lindbergh, R E Noble and K Blackburn "First returns of Pacific salmon in Chile".
- Ref. Anacat. Cttee
- F:28 S K Allen Jr. and J G Stanley "Polyploidy and gynogenesis in the culture of fish and shellfish".

Mariculture Cttee (ctd)

F:29 Ref. Anacat. Cttee	S G Rideout	"Restoration of Atlantic salmon to the Connecticut river basin 1967-81"
F:30	D A Erdahl, E F Graham and D C McNaught	"The role of Cryogenics for preservation of Gametes in aquaculture".
F:31	B J Allee	"Development of an age zero Coho salmon broodstock program".
F:32	C Brown	"Bacterial diseases in bivalve larval cultures and their control".
F:33	S S Stiles	"Recent progress on directed breeding experiments with Long Island Sound oysters".
F:34	H L Kincaid	"Effect of inbreeding on field performance of rainbow trout (<u>Salmo gairdneri</u>)".
F:35	R O Smitherman and R A Dunham	"Selective breeding of Channel catfish for improvement of growth".
F:36		Withdrawn.
F:37	A E Ellis	"A field trial of a method to induce auto-immune castration in <u>Salmo salar</u> ".
F:38	Compiled by: R L Saunders	"Canadian genetics studies relevant to aquaculture".
F:39 Ref. Anacat. Cttee	G Nøvdal, R Lerøy and D Møller	"Sources of variations in weight and length of Atlantic salmon".
F:40	M Jensvoll	"Use of derrick scales for weighing live fish".
F:41 Poster	Y Zanette, R Peyre et M Héral	"Prégrossissement et élevage de palourdes japonaises sous filet".
F:42	R Robert et E His	"Action de l'acétate de tributyle-étain sur les oeufs et les larves D de deux mollusques d'intérêt commercial: <u>Crassostrea gigas</u> (Thunberg) et <u>Mytilus galloprovincialis</u> (Lmk)".
F:43	E His and R Robert	"Effect of copper chloride on the eggs and D larvae of <u>Crassostrea gigas</u> (Thunberg). Preliminary results".

Mariculture Cttee (ctd)

- | | | |
|-------------------------------|---|--|
| F:44 | D Latrouite
et S Claude | "Observations sur le cycle complet
d'élevage de palourdes et de clams
en surélévation". |
| F:45 | Y Pichot et
P Pichot | "Etude électrophorétique des
protéines du muscle adducteur de
l'huître japonaise <u>Crassostrea</u>
<u>gigas</u> (Thunberg)". |
| F:46
Ref. Anacat.
Cttee | | "Report of the Working Group on
Introductions and Transfers of
Marine Organisms, Sète, France,
5-8 May 1981". |
| F:47
Poster | E Egidius,
K Andersen,
E Clausen
and J Raa | "Bath-vaccination against vibriosis". |

Reference Papers to the Mariculture Committee

- | | | |
|-----------------------------|--|---|
| D:3
Statistics
Cttee | | "Report of the Statistics Committee
Liaison Working Group, Copenhagen,
25-27 May 1981". |
| D:13
Statistics
Cttee | | "Proposed Notes on the Completion of
Form STATLANT AQ". |
| E:62
MEQC | | "Rapport du Groupe de Travail
'Pathologie et Maladies des Organismes
marins', Oxford, Maryland, Etats-
Unis, 22-25 avril 1981" (E+F) |

G - DEMERSAL FISH COMMITTEE

- G:1 Administrative Report.
- G:2 "Report of the Arctic Fisheries Working Group, Copenhagen, 1-5 October 1980".
- G:3 "Report of the North Sea Roundfish Working Group - Special Meeting in Data Base Problems, Aberdeen, 11-17 February 1981".
- G:4
Ref. Pelagic and
Baltic Fish
Cttees "Report of the AGFM Study Group on Standard ICES Assessment Computer Programs (ICES headquarters, Copenhagen, 24-27 February 1981)".
- G:5
Ref. Pelagic
Fish Cttee "Report of the ad hoc Working Group on the Use of Effort Data in Assessments, Copenhagen, 2-6 March 1981".
- G:6 "Report of the Working Group on Cod Stocks off East Greenland, Copenhagen, 3-10 March 1981".
- G:7 "Report of the Working Group on Redfish and Greenland Halibut in Region 1, Copenhagen, 11-19 March 1981".
- G:8 "Report of the Working Group on North Sea Roundfish, Copenhagen, 24 March - 2 April 1981".
- G:9 "Report of the Saithe (Coalfish) Working Group, Copenhagen, 22-28 April 1981".
- G:10 "Report of the Irish Sea and Bristol Channel Working Group, Copenhagen, 31 March - 9 April 1981".
- G:11 "Report of the Working Group on Assessment of Hake Stocks, Copenhagen, 30 April - 7 May 1981".
- G:12
Ref. Pelagic
Fish Cttee "Report of the Working Group on Division IIIa Stocks, Copenhagen, 18-24 March 1981".
- G:13 J G Pope
Ref. Statistics
and Pelagic Fish
Cttees "Practical guidelines for the precision of assessment data".

Demersal Fish Cttee (ctd)

- | | | |
|------------------------------------|--|--|
| G:14
Ref. Pelagic
Fish Cttee | J G Pope and
L Woolner | "A simple investigation into the effects of predation on recruitment to some North Sea fish stocks". |
| G:15
Ref. Pelagic
Fish Cttee | Yang Jiming | "An estimate of the fish biomass in the North Sea". |
| G:16
Ref. Pelagic
Fish Cttee | Yang Jiming | "The dominant fish fauna in the North Sea and its determination". |
| G:17
Ref. Pelagic
Fish Cttee | Yang Jiming | "Trophic levels of North Sea fish". |
| G:18 | R Chevalier
et R Guichet | "Etude d'un indice de recrutement du merlu dans le golfe de Gascogne. Influence sur la précision de la variation de la longueur du trait". |
| G:19 | M G Larraneta | "Relationship between the parameters of the generation curves". |
| G:20 | I P Golubiatnikova | "The assessment of total and natural mortality of North Sea saithe stock". |
| G:21 | Z P Baranova | "Assessment of relative abundance of the Barents Sea haddock at the age of 3-5 complete years". |
| G:22 | I Ya. Ponomarenko
and N A Yaragina | "Relation between mature and immature specimens among cod of different ages and sizes in 1978-80". |
| G:23 | M A Sonina | "The ratio of mature and immature haddock <u>Melanogrammus aeglefinus</u> (L.) in the Barents and Norwegian Seas". |
| G:24 | I V Borkin and
V N Shleinik | "Results of investigations of the Barents Sea polar cod in 1977-80". |
| G:25
Ref. Pelagic
Fish Cttee | O K Pálsson | "On the food of demersal fish species in Icelandic waters". |
| G:26 | P Pereda,
I Olaso and
R González | "Studies on the feeding of the southern stock hake (<u>Merluccius merluccius</u> L.): first results". |
| G:27 | R González,
I Olaso and
P Pereda | "First results of the studies about the feeding of the fish species accompanying the southern stock hake". |

Demersal Fish Cttee (ctd)

- | | | |
|------------------------------------|---|--|
| G:28 | R G Houghton | "A mixed fishery assessment of the otter and beam trawl fisheries for flatfish in the North Sea". |
| G:29
Ref. Pelagic
Fish Cttee | K Brander | "On the application of models incorporating predation in the Irish Sea". |
| G:30 | J Lleonart and
E Macpherson | "Cannibalism in <u>Merluccius capensis</u> : the impact in the fishery". |
| G:31 | E Cárdenas and
A Fernández | "Length/girth and length/weight relationships of hake in Divisions VIIIc and IXa". |
| G:32 | R De Clerck | "Some notes on the seasonal growth of soles in the North Sea, Celtic Sea and Irish Sea". |
| G:33 | A Laurec et
A Maucorps | "Discrétisation de la croissance pondérale et rendement par recrue". |
| G:34
Ref. Fish
Capture Cttee | F Cohin et
A Laurec | "Note sur le calcul analytique de l'impact d'un changement de maillage". |
| G:35 | T Jakobsen | "Preliminary results of saithe tagging experiments on the Norwegian coast 1975-77". |
| G:36 | T Jakobsen | "Assessments of the Northeast Arctic and North Sea stocks of saithe taking into account migration". |
| G:37 | N Pérez and
F L Pereiro | "First data on sexual maturation and sex ratio of hake (<u>Merluccius merluccius</u> L.) from ICES Divisions VIIIc and IXa". |
| G:38 | S Iglesias
and L Dery | "Age and growth studies of hake (<u>Merluccius merluccius</u> L.) from ICES Divisions VIIIc and IXa". |
| G:39 | I-hsun Ni | "Application of factor analysis in redfish morphological studies". |
| G:40 | R A Khan,
M Dawe,
R Bowering
and R K Misra | "Blood protozoa as an aid for separating stocks of Greenland halibut (<u>Reinhardtius hippoglossoides</u> (Walbaum)) in the northwestern Atlantic". |

Demersal Fish Cttee (ctd)

G:41 Ref. Pelagic and Baltic Fish Cttees	S Hansson	"Competition as a factor regulating the geographical distribution of fish species in a Baltic archipelago - a simulation analysis".
G:42 Ref. Pelagic Fish Cttee	T D Iles	"Cod-herring interaction in the southern Gulf of St Lawrence. The application of a new stock/recruitment hypothesis".
G:43 Ref. Pelagic Fish Cttee	K Waiwood	"The predatory impact of cod in the southern Gulf of St Lawrence ecosystem - a preliminary account".
G:44	R Jones and J H A Martin	"The relationship between demersal fish landings and bottom temperature".
G:45	D W Armstrong	"Further development of a semi-automatic fish measuring board".
G:46	N Daan, J R G Hislop and W Parnell	"Results of the International O-Group Gadoid Survey in the North Sea in 1981".
G:47	A S Jermyn and A P Robb	"Review of the cod, haddock and whiting discarded in the North Sea by Scottish fishing vessels for the period 1975-80".
G:48	R M Cook	"A method for improving VPA based on short time series data".
G:49	A H McVicar	"An assessment of <u>Ichthyophonus</u> disease as a component of natural mortality in plaice populations in Scottish waters".
G:50	R W Langton	"Diet overlap of some Northwest Atlantic finfish".
G:51	L J Buckley	"Some effects of temperature on growth and biochemical composition of larval winter flounder (<u>Pseudopleuronectes americanus</u>)".
G:52	W G Smith, P Berrien, D G McMillan and A Wells	"The distribution, abundance and production of Atlantic cod and haddock larvae off northeastern United States in 1978-79 and 1979-80".

Demersal Fish Cttee (ctd)

G:64	A C Burd	"North Sea cod recruitment".
G:65	P Berrien	"Yellowtail flounder, <u>Limanda ferrugenia</u> ; estimates of egg abundance and population size during spring 1977 in Gulf of Maine, Georges Bank, Southern New England and Middle Atlantic Bight waters".
G:66 Ref. Pelagic Fish Cttee	E Cohen <u>et al.</u>	"Stomach contents studies in relation to multi-species fisheries analysis and modelling for the Northwest Atlantic".
G:67 Ref. Pelagic Fish Cttee	T L Morris Jr.	"Mouth structure relative to food habits for seven Northwest Atlantic Pleuronectiform fish species".
G:68 Ref. Pelagic Fish Cttee	E Cohen and M Grosslein	"Food consumption in five species of fish on the Georges Bank".
G:69 Ref. Pelagic Fish Cttee	M Pennington	"Estimating the average food consumption by fish in the field".
G:70 Ref. Pelagic Fish and Biol. Oceanogr.Cttees	M Pennington and P Berrien	"Measuring the effect of the variability of egg densities over space and time on egg abundance estimates".
G:71	N Daan and C J Kuitert	"Report on the catches of cod, haddock, whiting and Norway pout during the ICES Young Herring Survey 1981".
G:72 Ref. Pelagic Fish Cttee	N Daan	"Progress report on the North Sea Stomach Sampling Project 1981".
G:73	N Daan	"Feeding of North Sea cod in roundfish area 6 in 1980 - preliminary results".
G:74	B Westeiijn	"Feeding of North Sea turbot and brill".
G:75	A Guillou, J Labastie et Ph. Decamps	"Estimation du niveau d'exploitation du stock de soles du golfe de Gascogne".
G:76	L-O Reiersen	"The biology of common flatfishes; a selected bibliography".

Demersal Fish Cttee (ctd)

- | | | |
|--|--|---|
| G:77
Ref. Biol.
Oceanogr.Cttee | P Solemdal
and S Sundby | "Vertical distribution of pelagic fish eggs in relation to species, spawning behaviour and wind conditions". |
| G:78 | | "Preliminary Report of the International O-Group Fish Survey in the Barents Sea and Adjacent Waters in August-September 1981". |
| G:79 | B Beillois,
J L Durand,
M Giret et
B Liorzou | "Marquages de soles sur les côtes françaises de la Manche et de la Mer du Nord". |
| G:80 | A Saville | "Comments by ACFM on the North Sea Roundfish Working Group Report 1981". |
| G:81 | H Flintegaard | "An estimate of the food consumption of whiting (<u>Merlangius merlangus</u>)". |
| G:82
Ref. Hydrography
and Pelagic Fish
Cttees | B Lundgren | "A theoretical basis for accurate weighing at sea. A "Dana" project". |
| G:83 | | Withdrawn. |
| G:84 | S H Coombs,
D Harding,
J H Nichols
and C A Fosh | "The vertical distribution and buoyancy of eggs of plaice (<u>Pleuronectes platessa</u> L.) in the southern North Sea". |
| G:85 | B Mesnil | "Indices d'abondance des principaux stocks de Gadidés au nord de 48°N. Captures et efforts effectifs des navires hauturiers français de 1976 à 1980". |
| G:86
Ref. Pelagic
Fish Cttee | R Chevalier
et B Mesnil | "Considérations sur les indices de mortalité par pêche". |
| G:87 | | Withdrawn. |
| G:88 | V Nikolaev | "Cod stocks in 1980 - Introduction to Annales Biologiques, Vol.37 (for 1980)". |

Demersal Fish Cttee (ctd)

G:89	W Panhorst and M Zarecki	"Further comments on the report of the ACFM Study Group on Standard ICES Assessment Computer Programs. FAD Input Forms".
G:90 Ref. Pelagic Fish Cttee		"Report on the 0-Group Survey in Faroese Waters, 1981".

Reference Papers to the Demersal Fish Committee

B:3 Fish Capture Cttee	J B Suomala Jr.	"An acoustic fish-density estimation and its precision".
B:4 Fish Capture Cttee	J B Suomala Jr. and J M Crossen	"Spherical reference targets for hydroacoustic equipment calibration".
F:11 Mariculture Cttee	V Öiestad and P G Kvenseth	"Large-scale rearing of cod fry (<u>Gadus morhua</u>) in an inlet".
H:10 Pelagic Fish Cttee		"Report of the Joint Meeting of the International Young Herring Survey Working Group and the International Gadoid Survey Working Group, IJmuiden, 12-14 May 1981".
H:37 Pelagic Fish Cttee	A Laurec et A Maucorps	"Note sur l'utilisation des règles de décision en gestion des stocks".
H:48 Pelagic Fish Cttee	T D Iles	"A comparison of two stock/recruitment hypotheses as applied to North Sea herring and southern Gulf of St Lawrence cod".
H:68		Withdrawn.
H:73 Pelagic Fish Cttee		"Report on joint Soviet-Icelandic investigations on hydrobiological conditions in the Norwegian Sea and Icelandic waters in May-June 1981".

Demersal Fish Cttee (ctd)

Reference Papers

J:27
Baltic Fish
Cttee

O Bagge

"The yearly consumption of cod in the Baltic and the Kattegat as estimated from stomach contents".

K:35
Shellfish Cttee

A Charuau
et Y Morizur

"Description et activités des flotilles françaises opérant en Mer d'Irlande et en Mer Celtique".

K:36
Shellfish Cttee

Y Morizur
et A Charuau

"Conséquences des récents changements de maillage sur les rendements de la flotille langoustinière lorientaise en Mer Celtique".

H - PELAGIC FISH COMMITTEE

- H:1 Administrative Report.
- H:2 E de Cárdenas, "L'anchois, Engraulis encrasicolus
J L Cort, (L.), de la mer Cantabrique et du
J A Pereiro and golfe de Gascogne. Nouvelles
O Cendrero données biologiques".
- H:3 "Report of the Working Group on
Herring Larval Surveys South of
62°N, Copenhagen, 3 to 6 March
1981".
- H:4 "Bibliography of papers published
by members of the Pelagic Fish
Committee in 1980 relevant to the
interests of that Committee".
- H:5 "Report of the Planning Group on
ICES-coordinated Herring and Sprat
Acoustic Surveys".
- H:6 M Giedz "Report of Polish investigations on
blue whiting from the northeast
Atlantic area in 1980".
- H:7 "Report of the Mackerel Working
Group, Copenhagen, 7-14 April
1981".
- H:8 "Report of the Herring Assessment
Working Group for the Area South of
62°N, ICES headquarters, 27 April
to 5 May 1981".
- H:9 Compiled by the "Manual for the International Young
ICES Young Herring Fish Surveys in the North Sea,
Survey and Gadoid Skagerrak and Kattegat".
Survey Working Groups
- H:10 "Report of the Joint Meeting of the
Ref. Demersal International Young Herring Survey
Fish Cttee Working Group and the International
Gadoid Survey Working Group,
IJmuiden, 12-14 May 1981".
- H:11 "Report of the Atlanto-Scandian
Herring and Capelin Working Group,
Part I".
- H:12 "Blue Whiting Assessment Working
Group Report, Copenhagen, 6-12
May 1981".

Pelagic Fish Cttee (ctd)

- H:13 S J Lockwood
et al. "The Western mackerel spawning stock estimate for 1980".
- H:14 P O Johnson "Report on echo-integrator surveys for sprat undertaken in the North Sea during the 1980-81 winter season".
- H:15 B M Thompson,
S P Milligan
and J H Nichols "The development rates of sprat (Sprattus sprattus L.) eggs over a range of temperatures".
- H:16 S A Iversen "Spawning and trends in spawning stock size of the North Sea mackerel during the period 1973-80".
- H:17 A Corten and
J Kuitert "Report on the International Young Fish Survey 1981: herring data".
- H:18
Withdrawn.
- H:19 A Corten and
G van de Kamp "Observations on herring larvae caught by Isaacs-Kidd midwater trawl during the International Young Fish Surveys in the North Sea, Skagerrak and Kattegat, 1977-81".
- H:20 A B Karasov
et al. "Some data on infestation of blue whiting by the nematode Anisakis sp. larvae in the Northeast Atlantic".
- H:21 V S Bakanev,
N A Isaev and
V N Shleinik "The Soviet blue whiting investigations in April-May 1980".
- H:22 V K Zilanov "To the problem of selecting area for the survey of blue whiting stock belonging to the Hebrides-Norway population".
- H:23 V K Zilanov "Morphometric characteristics of blue whiting, Micromesistius poutassou (Risso), of the North Atlantic in comparison with morphometric characteristics of Micromesistius australis (Norman) of the South Atlantic".
- H:24 Yu. Volynkin "A study of blue whiting haematology".
- H:25 E M Karasiova "Some results of studying of rate of growth of larval North Sea herring".
- H:26 L D Panasenko "Diurnal rhythms and rations of capelin feeding in the Barents Sea".

Pelagic Fish Cttee (ctd)

- H:27 N V Plekhanova and M S Soboleva "Feeding features of blue whiting of the Norwegian Sea offshore waters in 1979 and 1980".
- H:28 R Rosenberg and Ref. Baltic L E Palmén Fish Cttee "Herring stock composition in the Skagerrak-Kattegat with reference to the North Sea and adjacent waters".
- H:29 F Alvarez and C Porteiro "Growth studies of Sardina pilchardus (Walb.) in Galician waters (N.W. Spain)".
- H:30 Ref. Baltic Fish Cttee "Final report on the Joint Danish-Swedish Acoustic Survey in the Skagerrak-Kattegat, 25 August - 12 September 1980".
- H:31 H Gjøsæter and V Öiestad "Growth patterns in otoliths as an indication of daily growth variations of larval herring (Clupea harengus) from an experimental ecosystem".
- H:32 S H Coombs, J A Aiken and S J Lockwood "A survey of mackerel spawning and environmental conditions in the Celtic Sea in May 1981".
- H:33 C Grall and D P de Sylva "Distribution and seasonality of broadbill swordfish (Xiphias gladius) larvae, particularly in the western North Atlantic Ocean".
- H:34 L Trent et al. "Size, sex ratio, and groups of King Mackerel, Scomberomorus cavalla in the southeastern United States".
- H:35 S A Berkeley and E D Houde "Population parameter estimates and catch-effort statistics in the broadbill swordfish (Xiphias gladius) fishery of the Florida Straits".
- H:36 G Hubold "Eggs and larvae of Engraulis anchoita in the SW Atlantic between 25°S and 40°S".
- H:37 A Laurec and Ref. Demersal A Maucorps Fish Cttee "Note sur l'utilisation des règles de décision en gestion des stocks".
- H:38 T Monstad and L Middtun "Norwegian blue whiting investigation in March-April 1981".

Pelagic Fish Cttee (ctd)

H:39 Ref. Hydrogr. Cttee	J Smed	"Temperature and salinity of the North Sea during the International Young Fish Survey 1981".
H:40	A Dumke	"Food investigations on blue whiting 1977-80".
H:41	H Vilhjálmsson, J V Magnússon and E Fríðgeirsson	"Report on the O-Group Fish Survey in Icelandic and East-Greenland waters, August 1981".
H:42	S Iversen, A Aglen and E Bakken	"Stock size of sprat in the North Sea estimated from an echo integrator survey in January 1981".
H:43	R J R Grainger and J Woodlock	"Sprat egg surveys off the south coast of Ireland in 1980".
H:44	R J R Grainger and A Cullen	"The distribution and abundance of herring larvae to the south of Ireland in 1980/81".
H:45	A Dommasnes	"Stock size and mortality estimates for Barents Sea capelin based on acoustic methods".
H:46	M M Sinclair and T D Iles	"The stock structure of Atlantic herring in relation to tidally induced temperature fronts".
H:47 Ref. Biol. Oceanogr. Cttee	T D Iles and M M Sinclair	"Herring larval distribution in relation to plankton production cycles".
H:48 Ref. Demersal Fish Cttee	T D Iles	"A comparison of two stock/recruitment hypotheses as applied to North Sea herring and southern Gulf of St Lawrence cod".
H:49	P C F Hurley and T D Iles	"An analysis of catch-per-unit effort data for bluefin tuna in the Gulf of St Lawrence".
H:50	R S Bailey <u>et al.</u>	"Report of the ICES Coordinated Acoustic Survey of Herring Stocks in 1981".
H:51	R S Bailey and J I Edwards	"Scottish surveys of sprats in the western North Sea in November 1980 and January 1981".
H:52	D W McKay	"Report on the Herring Larval Surveys carried out in the North Sea and adjacent waters in 1980/81".

Pelagic Fish Cttee (ctd)

- | | | |
|--|---------------------------------|---|
| H:53 | J A Morrison
and T Bruce | "Scottish herring tagging experiments
in the Firth of Clyde, 1975-79, and
evidence of affinity between Clyde
herring and those in adjacent areas". |
| H:54 | M Walsh and
P Rankine | "Stock composition and migrations of
mackerel exploited in ICES Division
VIa". |
| H:55 | K Warburton and
S T Forbes | "The density distribution and
abundance of the blue whiting
spawning to the west of the British
Isles in 1981". |
| H:56 | K Warburton | "Implications of error in age deter-
mination of blue whiting". |
| H:57 | K MacKenzie | "The plerocercus of <u>Grillotia angeli</u>
(Cestoda: trypanorhyncha) as a
biological tag for mackerel". |
| H:58 | K MacKenzie and
J Gallacher | "Further studies of parasites as
biological tags for herring". |
| H:59 | R E Cohen and
R G Lough | "Larval herring food habits over
three spawning seasons (1974-76) in
the Georges Bank - Nantucket shoals
area". |
| H:60
Ref. Biol.
Oceanogr.
Cttee | B E Skud | "Interactions between pelagic fishes
and the relation of dominance to
environmental conditions". |
| H:61 | N E Kohler and
C E Stillwell | "Food habits of the blue shark
(<u>Prionace glauca</u>) in the western
North Atlantic". |
| H:62 | J Hoey and
J Casey | "Species composition and catch rates
from selected longline fisheries in
the western North Atlantic". |
| H:63 | C E Stillwell | "Daily ration of the shortfin mako
(<u>Isurus oxyrinchus</u>) in the north-
west Atlantic". |
| H:64 | K Jørstad
and G Nævdal | "Significance of population genetics
on management of herring stocks". |
| H:65 | K Jørstad
and G Nævdal | "Enzyme polymorphism of sprat from
Norwegian waters - preliminary
results". |
| H:66 | F Carey | "A brain heater in the swordfish". |

Pelagic Fish Cttee (ctd)

Reference Papers

- | | | |
|--------------------------------|---------------------------|--|
| G:12
Demersal Fish
Cttee | | "Report of the Working Group on
Division IIIa Stocks, Copenhagen,
18-24 March 1981". |
| G:13
Demersal Fish
Cttee | J G Pope | "Practical guidelines for the precision
of assessment data". |
| G:14
Demersal Fish
Cttee | J G Pope and
L Woolner | "A simple investigation into the effects
of predation on recruitment to some
North Sea fish stocks". |
| G:15
Demersal Fish
Cttee | Yang Jiming | "An estimate of fish biomass in the
North Sea". |
| G:16
Demersal Fish
Cttee | Yang Jiming | "The dominant fish fauna in the North Sea
and its determination". |
| G:17
Demersal Fish
Cttee | Yang Jiming | "Trophic levels of North Sea fish". |
| G:25
Demersal Fish
Cttee | O K Pálsson | "On the food of demersal fish species in
Icelandic waters". |
| G:29
Demersal Fish
Cttee | K Brander | "On the application of models incorpo-
rating predation in the Irish Sea". |
| G:41
Demersal Fish
Cttee | S Hansson | "Competition as a factor regulating the
geographical distribution of fish
species in a Baltic archipelago - a
simulation analysis". |
| G:42
Demersal Fish
Cttee | T D Iles | "Cod-herring interaction in the southern
Gulf of St Lawrence - The application
of a new stock/recruitment hypothesis". |
| G:43
Demersal Fish
Cttee | K Waiwood | "The predatory impact of cod in the
southern Gulf of St Lawrence ecosystem -
a preliminary account". |
| G:66
Demersal Fish
Cttee | E Cohen
<u>et al.</u> | "Stomach contents studies in relation to
multi-species fisheries analysis and
modelling for the Northwest Atlantic". |
| G:67
Demersal Fish
Cttee | T L Morris Jr. | "Mouth structure relative to food habits
for seven Northwest Atlantic pleuro-
nectiform fish species". |

Pelagic Fish Cttee (ctd)

Reference Papers

- | | | |
|---------------------------------|-------------------------------|---|
| G:68
Demersal Fish
Cttee | E Cohen and
M Grosslein | "Food consumption in five species
of fish in Georges Bank". |
| G:69
Demersal Fish
Cttee | M Pennington | "Estimating the average food con-
sumption by fish in the field". |
| G:70
Demersal Fish
Cttee | M Pennington
and P Berrien | "Measuring the effect of the varia-
bility of egg densities over space
and time on egg abundance estimates". |
| G:72
Demersal Fish
Cttee | N Daan | "Progress report on the North Sea
Stomach Sampling Project 1981". |
| G:82
Demersal Fish
Cttee | B Lundgren | "A theoretical basis for accurate
weighing at sea. A 'Dana' project". |
| G:86
Demersal Fish
Cttee | R Chevalier
et B Mesnil | "Considérations sur les indices de
mortalité par pêche". |
| G:89
Demersal Fish
Cttee | W Panhorst and
M Zarecki | "Further comments on the report of
the ACFM Study Group on Standard
ICES Assessment Computer Programs.
FAD Input Forms". |
| G:90
Demersal Fish
Cttee | | "Report of the O-Group Survey in
Faroese waters, 1981". |
| L:29
Biol.Oceanogr.
Cttee | N Chitty and
E D Houde | "Laboratory studies on interactions
between two species of anchovy
larvae". |

J - BALTIC FISH COMMITTEE

- J:1 Administrative Report
- J:2 "Working Group on Assessment of Demersal Stocks in the Baltic, Copenhagen, 5-11 May 1981".
- J:3 W J Grygiel "Growth, feeding and economic importance of the greater sand-eel (A. lanceolatus Le Sauvage 1824) in the Southern Baltic".
- J:4 "Working Group on Assessment of Pelagic Stocks in the Baltic, Copenhagen, 5-14 May 1981".
- J:5 "Publications of interest to the Baltic Fish Committee, 1980".
- J:6 W E Arntz
Ref. Biol. and I Finger
Oceanogr.
Cttee "Demersal fish in the western Baltic: their feeding relations, food coincidence and food selection".
- J:7 S F Efanov "Herring of the Gulf of Riga: the problem of escapement and mechanical impact of the trawl".
- J:8 Withdrawn.
- J:9 T Raid "Investigations on herring larvae and young stages in the southern part of the Gulf of Finland in 1979 and 1980".
- J:10 G B Grauman "Investigations of Baltic sprat year classes formation on early stages of ontogenesis".
- J:11 F G Shvevtsov "Determination of natural and fishing mortality of sprat in the eastern Baltic Sea in 1977-79".
- J:12 Withdrawn.
- J:13 V M Borisov
and S F Efanov "To the problem of natural and traumatical mortality of Baltic herring".
- J:14 O Hagström
et al. "Acoustic estimates of the herring and the sprat stocks in the Baltic proper October 1980. Preliminary results".

Baltic Fish Cttee (ctd)

- J:15 M Berner "Dislocation parameters of tagging experiments on cod in the Baltic (Sub-divisions 22-25) from 1959-75".
- J:16 M Berner and B Vaske "Sex ratio and sexual maturity of cod in the Baltic (Sub-divisions 22-25)".
- J:17 O Rechlin "Estimation of spawning stock and yield curves for spring spawning herring of the western Baltic".
- J:18 R Aps, U Falk and R Oeberst "Morphological variability in the growth zones of otoliths of the Baltic sprat".
- J:19 E Ojaveer, B Jevtjukhova, O Rechlin and K Strzyzewska "Results of investigations of population structure and otoliths of Baltic spring spawning herring".
- J:20 E Aro and V Sjöblom "The abundance of cod in the seas around Finland in 1974-80".
- J:21 E Aro, V Sjöblom, P Suuronen and R Parmanne "The abundance of Baltic herring and sprat in the seas around Finland in 1979 and 1980 according to echo counting".
- J:22 F Halling and J Salmi "Abundance, growth and mortality of autumn spawning herring larvae off the coast of Finland".
- J:23 R Parmanne and V Sjöblom "Abundance, mortality and production of spring spawning Baltic herring larvae in the seas around Finland in 1980".
- J:24 R Parmanne and V Sjöblom "Abundance of sprat eggs and larvae in the northern Baltic in 1980".
- J:25 V Sjöblom and R Parmanne "Abundance and recruitment of Baltic herring and sprat off the coast of Finland in 1956-68 and 1975-80 according to exploratory fishing with a pelagic trawl".
- J:26 P Suuronen "Fluctuations of cod off the Finnish coast in 1976-80 on the basis of by-catch of cod in herring trawls".
- J:27 O Bagge "The yearly consumption of cod in the Baltic and the Kattegat as estimated from stomach content".
- Ref. Demersal Fish Cttee

Baltic Fish Cttee (ctd)

- J:28 O Bagge "Danish discards in the Baltic, 1978-81".
- J:29 N Jönsson and E Biester "Herring tagging experiments 1980/81 along the coast of the German Democratic Republic".
- J:30 N Brielmann and E Biester "The utilization of larval abundances of Rügen spring herring for a first estimation of the resultant recruitment year classes strength".
- J:31 Th. Thieme and E Biester "Young herring research in the Greifswalder Bodden".
- J:32 P Hering and E Biester "Comparison of electrophoretic myogen patterns in herring from the Greifswalder Bodden, ICES regions 22, 24, 25, and the Northeast Skagerrak".
- J:33 E Biester and .. D'Heureuse "Differences in the number of myomers of the larval herring during the spawning time from April to June".
- J:34 "Report of the ad hoc Group on Multi-species Assessment of the Baltic".

Reference Papers to the Baltic Fish Committee

- B:13 H Bohl "Selection of cod by bottom trawl cod ends in the central Baltic (German Fish Capture Cttee experiments 1979 and 1980)".
- G:4 Demersal Fish Cttee "Report of the ACFM Study Group on Standard ICES Assessment Computer Programs (ICES headquarters, Copenhagen, 24-27 February 1981)".
- G:41 S Hansson "Competition as a factor regulating the geographical distribution of fish species in a Baltic archipelago - a simulation analysis".
- G:89 Demersal Fish Cttee W Panhorst and M Zarecki "Further comments on the Report of the ACFM Study Group on Standard ICES Assessment Computer Programs. FAD Input Forms".
- H:28 Pelagic Fish Cttee R Rosenberg and L E Palmén "Herring stock composition in the Skagerrak-Kattegat with reference to the North Sea and adjacent waters".
- H:30 Pelagic Fish Cttee "Final report on the Joint Danish-Swedish Acoustic Survey in the Skagerrak-Kattegat, 25 August-12 September 1980".

K - SHELLFISH COMMITTEE

- K:1 Administrative Report.
- K:2 "Bibliography of publications relative to the interests of the ICES Shellfish Committee 1980".
- K:3 H R Martins "Biological studies of the exploited stock of Loligo forbesi Steenstrup, in the Azores".
- K:4 A Guerra "The fishery of Octopus vulgaris off Finisterre (NW of Spain)".
- K:5 J M Alonso-Allende "Relative abundance of Norway lobster off Galicia (NW of Spain)".
- K:6 R Meixner "The infestation rate of Mytilus edulis on a wild mussel bed in the Flensburg Fjord (W. Baltic) with Polydora ciliata".
- K:7 E Jónsson and I Hallgrímsson "The Icelandic shrimp Pandalus borealis fishery in the Denmark Strait".
- K:8 A Yu. Lysy "Some data on biology and distribution of larvae of deep-water shrimp Pandalus borealis Krøyer in the coastal waters of West Murman".
- K:9 R P Briggs "Trends in the Northern Ireland Nephrops fishery 1970-80".
- K:10 Withdrawn.
- K:11 D B Bennett and E Edwards "Should we ban the berried lobster?"
- K:12 E Edwards, P A Ayres and M L Cullum "The incidence of Gaffkaemia in native (H. gammarus) and imported lobsters (H. americanus) in England and Wales".
- K:13 P A Ayres and M L Cullum "Paralytic shellfish poisoning in Britain, 1978-80, with notes on preliminary observations for 1981".
Ref. Biol. Oceanogr. Cttee
- K:14 K F Wiborg and J Gjesøter "The squid Todarodes sagittatus (Lamarck). Distribution and biology in northern waters, April 1980 - April 1981".
- K:15 F Sarda "Setal development and moult staging in the Norway lobster (Nephrops norvegicus L.) (Crustacea: Decapoda)".

Shellfish Cttee (ctd)

- K:16 E González-Gurriarán "Preliminary data on the population dynamics of the velvet swimming crab (Macropipus puber L.) in the Ría de Arcusa (Galicia, NW Spain)".
- K:17 Withdrawn.
- K:18 A Koronkiewicz "Size, maturity, growth and food of squid, Ilex argentinus (Castellanos, 1960)".
- K:19 J Mason, A M Shanks and D I Fraser "An assessment of scallop, Pecten maximus (L.), stocks at Shetland".
- K:20 R G J Shelton, I Angus, J A M Kinnear and J A Sinclair "Preliminary results of a lobster tagging experiment in St Andrews Bay, Scotland".
- K:21 G Teigsmark and P Øynes "Results of a stratified bottom trawl survey for shrimps (Pandalus borealis) in the Barents Sea in May/June 1981".
- K:22 J P Hillis "Maturity in male Nephrops norvegicus: a study in secondary sexual characters".
- K:23 J P Hillis "Further studies on catch, landings and discarding in Nephrops".
- K:24 G Conan and D Espérandieu "A photogrammetric technique for sampling size frequency distributions in the landings of Norway lobsters (Nephrops norvegicus) from the Bay of Biscay".
- K:25 J W Ropes "Photographic documentation of annular growth lines in ocean quahogs, Arctica islandica".
Poster
- K:26 R Mann, R A Lutz and M Castagna "The reproductive biology of Arctica islandica".
- K:27 R Boddeke "The occurrence of "winter" and "summer" eggs in the brown shrimp (Crangon crangon) and the impact on recruitment".
- K:28 D Latrouite, M Leglise et G Raguenes "Données sur la reproduction et taille de la lère matiruté du homard Homarus gammarus d'Iroise et du golfe de Gascogne".

Shellfish Cttee (ctd)

- K:29 J M Deslous- Paoli "Mytilicola orientalis Mori, Crassostrea gigas Thunberg's parasite, in the Basin of Marennes-Oléron: impact on the conditions and the biochemical composition of oysters during rearing".
- K:30 J P Berthome, D Razet et J Garnier "Description, évolution et importance des différentes techniques de captage en rivière Seudre (Bassin de Marennes-Oléron): Incidence sur la production d'huîtres creuses C. gigas".
- K:31 M Héral et al. "Anomalies de croissance de la coquille de Crassostrea gigas dans le bassin de Marennes-Oléron. Bilan de trois années d'observation".
- K:32 G de Kergariou et G Veron "Distribution de l'araignée de mer, Maia squinado, sur la pêcheries hivernale du golfe Normano Breton".
- K:33 D Pérodou et D Latrouite "Contribution à l'étude de la reproduction du pétoncle noir (Chlamys varia) de la baie de Quiberon".
- K:34 G de Kergariou, D Latouite, D Pérodou et S Claude "Données sur la biologie de Ruditapes philippinarum et Ruditapes decussatus en élevage sur la côte morbihannaise".
- K:35 A Charuau et Y Morizur "Description et activités des flotilles françaises opérant en Mer d'Irlande et en Mer Celtique".
- Ref. Fish Capture and Demersal Fish Cttees
- K:36 Y Morizur et A Charuau "Conséquences des récents changements de maillage sur les rendements de la flotille langoustinière lorientaise en Mer Celtique"

Reference Papers to the Shellfish Committee

- B:5 G Thorsteinsson "The effect of net slack in the side-panels of shrimp trawls on the size distribution of the catch".
- Fish Capture Cttee
- B:6 J M Alonso-Allende "Data on selectivity for Nephrops norvegicus on bottom trawl fishery of Galicia (NW of Spain)".
- Fish Capture Cttee

Shellfish Cttee (ctd)

Reference Papers

- | | | |
|---------------------------------|-----------------------------|--|
| B:11
Fish Capture
Cttee | R P Briggs | "Preliminary observations on the effect of a codend cover or lifter bag on catch composition in the Northern Ireland <u>Nephrops</u> fishery". |
| E:7
MEQC | E Gould | "Field stress in the scallop, <u>Placopecten magellanicus</u> ". |
| F:8
Mariculture
Cttee | B G Ivanov | "Decapod crustaceans from the North Pacific as a source of introduction into the Atlantic Ocean". |
| F:20
Mariculture
Cttee | S M Gallagher
and R Mann | "Larval bivalve condition index based on lipid content visualized with lipid specific stains". |
| F:26
Mariculture
Cttee | H Hidu | "European oysters in Maine - A new American culture fishery". |
| G:55
Demersal
Fish Cttee | J P Hillis
and E Fannon | "The role of cod as a predator on <u>Nephrops norvegicus</u> in the western Irish Sea". |
| L:36
Biol.Oceanogr.
Cttee | T Dunne and
M M Parker | "A survey for paralytic shellfish toxin in Irish waters, with observations of algal blooms during summer, 1980". |

L - BIOLOGICAL OCEANOGRAPHY COMMITTEE

- L:1 Administrative Report.
- L:2 P Jeffries and "Environmental gradients on a coastal
Ref. MEQC R Lambert megalopolis. I: biochemical corre-
lates of spatial heterogeneity in
zooplankton communities".
- L:3 W E Arntz "An experimental study of macrobenthic
Poster and H Rumohr colonization and succession, and the
importance of seasonality in temperate
latitudes".
- L:4 V M Ryzhov "A possible utilization of factor
analysis in hydrobiological investi-
gations".
- L:5 V N Nesterova "Some features of plankton distribution
and A V Koptev in the eastern Barents Sea".
- L:6 J G Braun, "Contribution of the net plankton,
I Orzaiz, nannoplankton and ultraplankton to
J D de Armas the standing stocks and primary pro-
and F Real ductivity in Canary Islands waters".
- L:7 J G Braun "The vertical distribution of chloro-
and F Real phyll in Canary Islands waters".
- L:8 I Olaso and "First data on the epibenthic fauna
P Pereda of the trawling grounds off northern
and northwestern Spain".
- L:9 V K Aldonov and "Ichthyoplankton survey in area of
V P Serebriakov Norwegian Shelf".
- L:10 G A Robinson "Plankton Identification Sheets:
Editor's Report 1980-81".
- L:11 C Garrod and "Predation by fish on the pelagic
D Harding eggs and larvae of fishes spawning
in the west central North Sea in
1976".
- L:12 J M Sieburth and "Picoplankton and nannoplankton; the
P W Johnson missing links in the classic diatom-
copepod food chain".
- L:13 U Larsson and "Fractionated phytoplankton primary
Å Hagström production; exudate release, and
bacterial production in a Baltic
eutrophication gradient".
- L:14 Y Zanette et "Etude préliminaire de l'impact des
J Garnier huîtres Crassostrea gigas (Thunberg)
en élevage sur la biomasse des micro-
organismes des claires de Marennes-
Oléron".

Biol.Oceanography Cttee (ctd)

- L:15 S Tilseth and B Ellertsen "The detection of larval fish food particles by an in situ particle counter, and monitoring of the particle density and distribution in first feeding areas".
- L:16 J E O'Reilly and D A Busch "Preliminary estimates of annual phytoplankton primary production for the north-western Atlantic Shelf (Middle Atlantic Bight, Georges Bank, Gulf of Maine)".
- Ref. MEQC
- L:17 J E O'Reilly, C Evans-Zetlin and J P Thomas "The relationship between surface and average water column concentrations of chlorophyll a in north-western Atlantic Shelf water".
- Ref. MEQC
- L:18 J Kalinowski and Z Witek "Rough estimation of Antarctic krill stock".
- L:19 J Kalinowski and Z Witek "The physical parameters of krill aggregations in the western Antarctic".
- L:20 Z Witek "On the life cycle of Antarctic krill, Euphausia superba Dana".
- L:21 P MacLachlan, D D Seaton and J C Gamble "Developmental patterns of experimentally enclosed populations of autumn and spring spawned Atlantic herring larvae".
- L:22 S J Hay and J R G Hislop "The distribution and abundance of Scyphomedusae in the North Sea during the summer of 1980".
- L:23 Withdrawn.
- L:24 R Schlitz and E Cohen "A nitrogen budget for the Gulf of Maine and Georges Bank".
- Ref.Hydrogr. Cttee
- L:25 E D Houde and R C Schekter "Comparative bioenergetics among three species of marine fish larvae".
- L:26 Withdrawn.
- L:27 Withdrawn.

Biol.Oceanography Cttee (ctd)

- L:28 M S Berman,
H P Jeffries,
R M Lambert
and K Sherman "Environmental gradients on a coastal megalopolis. II: Sice frequency distributions in zooplankton".
- L:29 N Chitty and
E D Houde "Laboratory studies on interactions between two species of anchovy larvae".
- Ref. Pelagic
Fish Cttee
- L:30 G R Bolz and
R G Lough "Ichthyoplankton abundance, diversity, and spatial pattern in the Georges Bank-Nantucket Shoals area, autumn and winter seasons 1971-77".
- L:31 M Dagg "The impact of zooplankton grazing on phytoplankton in continental shelf regions of the northeast United States, and in the southeast Bering Sea".
- L:32 J Green "Trophodynamics of Calanus finmarchicus in an area of high larval haddock abundance on Georges Bank".
- L:33 D J Wildish,
D D Kristmannson
and D Peer "Effect of tidal currents on suspension-feeding benthos in the Bay of Fundy".
- L:34 M F Li
Ref. MEQC "A continuous cell line from cardiac tissue of a sturgeon (Acipenser oxyrhynchus)".
- L:35 O Lindahl and
L Hernroth "The coastal waters of western Sweden. An ecosystem off balance?".
- L:36 T Dunne and
M M Parker "A survey for paralytic shellfish toxin in Irish waters, with observations of algal blooms during summer, 1980".
- Ref.Shellfish
Cttee
- L:37 M M Parker,
D Minchin,
P Gatland and
P Connolly "Observations on blooms of Noctiluca on the south coast of Ireland during summer 1977".
- L:38
Withdrawn.
- L:39 J E Beyer,
G Theilacker
and P Munk "Point of no feeding (PNF) and its relation to scope of growth and survival".
- L:40 W E Arntz
and E Ursin "On the estimation of food preference parameters when food concentrations are not known. An application of Andersen's Stomach Analysis Model".

Biol.Oceanography Cttee (ctd)

- L:41 W E Arntz and E Ursin "Estimates of food consumption parameters for dab (Limanda limanda) utilizing information on food concentrations. An application of Andersen's Stomach Analysis Model".
- L:42 K P Andersen "Calculations of predation parameters. An artificial example".
- L:43 K P Andersen "An interpretation of the stomach contents of fish in relation to prey abundance".
- L:44 General Secretary "Introduction to the plankton chapter in Annales Biologiques, Volume 37".
- L:45 "List of publications which might be of interest to the Biological Oceanography Committee".
- L:46
Ref. MEQC and
Biol.Oceanogr.
Cttee "Report of the Working Group on the Methodology of Primary Production, including Guidelines for the measurement of primary production in the ICES area, Tvärminne (Finland), 1-5 June 1981".

Reference Papers to the Biological Oceanography Committee

- B:17 J Dalen and "Measurements of target strength and
Fish Capture Å Kristensen spatial orientation of Euphausiids
Cttee (Krill)".
- C:7 M Pastuszak, "One year of nutrient distribution
Hydrography W R Wright and in the Georges Bank region in
Cttee D Patanjo relation to hydrography, 1975-76".
- C:9 "Report of the meeting of the ICES
Hydrography Study Group on the Flushing Times
Cttee of the North Sea on 27 and 28
February 1981 at the Fisheries
Laboratory, Lowestoft".
- C:30 R W Houghton "Physical and biological structure
Hydrography and J Marra of exchange at a shelf break thermo-
Cttee haline front".

Biol. Oceanography Cttee (ctd)

Reference Papers

- | | | |
|---------------------------------|---|---|
| E:17
MEQC | G Kullenberg | "Coastal zone exchange - proposal for an ICES Symposium". |
| E:24
MEQC | E Elmgren,
S Hansson and
B Sundelin | "The 'Thesis' oil spill: acute and long-term impact on the benthic ecosystem". |
| E:34
MEQC | | "Report of the First Meeting of the Working Group on Marine Sediments in Relation to Pollution, Copenhagen, 1-3 June 1981". |
| E:60
MEQC | P Tulkki,
L Niemistö and
J Koljonen | "An attempt to develop a complete nutrient balance for the Gulf of Bothnia (Baltic Sea)". |
| G:70
Demersal Fish
Cttee | M Pennington
and P Berrien | "Measuring the effect of the variability of egg densities over space and time on egg abundance estimates". |
| G:77
Demersal Fish
Cttee | P Solemdal
and S Sundby | "Vertical distribution of pelagic fish eggs in relation to species, spawning behaviour and wind conditions". |
| H:47
Pelagic Fish
Cttee | T D Iles and
M M Sinclair | "Herring larval distribution in relation to plankton production cycles". |
| H:60
Pelagic Fish
Cttee | B E Skud | "Interactions between pelagic fishes and the relation of dominance to environmental conditions". |
| H:73
Pelagic Fish
Cttee | | "Report on joint Soviet-Icelandic investigations on hydrobiological conditions in the Norwegian Sea and Icelandic waters in May-June 1981". |
| J:6
Baltic Fish
Cttee | W E Arntz
and I Finger | "Demersal fish in the western Baltic: their feeding relations, food coincidence and food selection". |
| K:13
Shellfish
Cttee | P A Ayres
and M L Cullum | "Paralytic shellfish poisoning in Britain, 1978-80, with notes on preliminary observations for 1981". |
| N:13
Marine Mammals
Cttee | S Innes and
K Ronald | "Preliminary estimates of the cost of locomotion in seals". |
| N:14
Marine Mammals
Cttee | K Keiver and
K Ronald | "Digestible energy in harp seals". |

M - ANADROMOUS AND CATADROMOUS FISH COMMITTEE

- M:1 Administrative Report - and Addendum 1.
- M:2 "Report of the 27th Meeting of the Baltic Salmon Working Group, Tvärminne, Finland, 2-3 September 1980".
- M:3 Withdrawn.
- M:4 "List of publications related to the interests of the Anadromous and Catadromous Fish Committee" - and Addendum 1.
- M:5 "Report of the Baltic Salmon Assessment Working Group, Copenhagen, 10-16 March 1981".
- M:6 L P Hansen "Returns of Carlin-tagged, fin-clipped and unmarked wild smolts of Atlantic salmon Salmo salar L. from the river Imsa, SW Norway".
- M:7 L P Hansen and S O Roald "Net mark registrations and effects of damage caused by nets on Atlantic Salmo salar L. in Norway 1980".
- M:8 M Schoth and F-W Tesch "Spatial distribution of the 0-group eel larvae (Anguilla spec.) 1979 in the Sargasso Sea".
- M:9 M Schoth "Taxonomic studies on the 0-group eel larvae (Anguilla spec.) caught 1979 in the Sargasso Sea".
- M:10 "Report of the Meeting of the North Atlantic Salmon Working Group, Copenhagen, 6-9 April 1981".
- M:11 K W Jensen "On the rate of exploitation of salmon from two Norwegian rivers".
- M:12 E Ikonen, J Toivonen and H Auvinen "Report on the results of the Baltic Sea Trout Tagging Experiment".
- M:13 E Ikonen, J Toivonen and H Auvinen "Annual report on the results of the Baltic Sea Trout Transfer Experiment".
- M:14 K W Jensen "Survival estimates of wild smolts of Atlantic salmon from river Imsa, SW Norway".

Anacat Cttee (ctd)

- M:15 K R Torrissen "Characterization of proteases in the digestive tract of Atlantic salmon (Salmo salar) in comparison with rainbow trout (Salmo gairdneri)".
- M:16 O Torrissen and K R Torrissen "The effects of light on the mortality of different pigmented Atlantic salmon (Salmo salar) eggs".
- M:17 M Thibault and P Rainelli "Difficulties in the management of Atlantic salmon stocks in France".
- M:18 Z Cheżkowski and B Cheżkowska "Juvenile trout (Salmo trutta L.) survival rate from hatched fish release to smolting in river Mokstowa Basin".
- M:19 W L Montgomery and R J Naiman "Implications of changes in Atlantic salmon populations from the Matamek River, Quebec".
- M:20 D G Reddin "Conversion of weights of Atlantic salmon with viscera-removed and heads-on to round weight at West Greenland".
- M:21 D G Reddin and R F Burfitt "Proportion of North American and European Atlantic salmon off West Greenland in 1980".
- M:22 D G Reddin and R F Burfitt "Length, weight, sex and age characteristics of Atlantic salmon (Salmo salar) of North American and European origin caught at West Greenland in 1979".
- M:23 D G Reddin and R F Burfitt "Salmon stock identification at West Greenland and hatchery components".
- M:24 D G Reddin "Estimation of fishing mortality for Atlantic salmon (Salmo salar) in Newfoundland and Labrador commercial fisheries".
- M:25 Poster D G Reddin, R F Burfitt and J H C Pippy "Stock discrimination by scale characteristics".
- M:26 D J Pratten and W M Shearer "The fishing mortality of North Esk salmon".
- M:27 Withdrawn.
- M:28 W M Shearer and D J Pratten "The length, weight and seasonal distribution of the various age groups of salmon present in the North Esk (Scotland) net and coble catch, 1963-80".

Anacat Cttee (ctd)

- M:29 R L Saunders,
E B Henderson
and B D Glebe "Evidence of a major environmental
component in determination of the
grilse: larger salmon ratio".
- M:30 R L Saunders,
E B Henderson,
P R Harmon and
C E Johnston "Influence of low environmental
pH on smolting of Atlantic salmon".
- M:31 G Fontenelle "Potentialités d'exploitation de
l'anguille (Anguilla anguilla L.)
dans un petit estuaire de Bretagne
sud. Impact sur les autres espèces
de poissons".
- M:32 D Gascuel,
P Elie et
G Fontenelle "Etude préliminaire qualitative et
quantitative des prises accessoires
effectuées pendant la pêche de la
civelle dans l'estuaire de la Loire
et de la Vilaine".
- M:33 O Christensen "Additional experiments to the
Cooperative Sea Trout Tagging in 1979
initiated by the Baltic Salmon Working
Group".
- M:34 O Davoust,
P Elie et
G Fontenelle "Mise au point d'une méthode d'analyse
des captures de civelles d'Anguilla
anguilla L. dans les estuaires de la
Loire et de la Vilaine".
- M:35 P Elie "Importance des captures de civelles
réalisées par les pêcheurs amateurs
dans une zone comprise entre Mean
et Donges (Estuaire de la Loire)
durant la saison de montée 1978-79.
Nécessité de leur évaluation".

Reference Papers to the Anadromous and Catadromous Fish Committee

- F:9 I N Grinyuk
Mariculture et al.
Cttee "Length, weight and fecundity of pink
salmon spawning migrants in the
rivers of the Koz'a Peninsula".
- F:27 J Lindbergh.
Mariculture R E Noble and
Cttee K Blackburn "First returns of Pacific salmon in
Chile".
- F:29 S G Rideout
Mariculture "Restoration of Atlantic salmon to
Cttee the Connecticut river basin 1967-81".

Anacat Cttee (ctd)

Reference Papers

F:39
Mariculture
Cttee

G Nøvdal,
R Lerøy and
D Møller

"Sources of variations in weight
and length of Atlantic salmon".

F:46
Mariculture
Cttee

"Report of the Working Group on
Introductions and Transfers of
Marine Organisms, Sète, France,
5-8 May 1981".

N - MARINE MAMMALS COMMITTEE

- N:1 Administrative Report.
- N:2 E de Juana,
J M Varela
and H H Witt "The Mediterranean monk seal,
Monachus monachus, in the
Chafarinas Islands (Melilla)".
- N:3 C Rey et
O Cendrero "Nouvelles informations sur cétacés
et pinnipèdes vus et échoués sur
les côtes espagnoles en 1980, et
trouvailles en 1981".
- N:4 "Publications of interest to the
Marine Mammals Committee, 1980".
- N:5 A Collet,
M H du Buit
et R Duguy "Régime alimentaire de Delphinus
delphis dans le Nord-Est Atlantique".
- N:6 R Duguy et
E Hussenot "Captures occasionnelles des
Délphinidés dans le N.E. Atlantique".
- N:7 R Duguy "Cétacés et pinnipèdes trouvés sur
les côtes françaises de la Manche
et de l'Atlantique en 1980".
- N:8 Cl. Alzieu
Ref. MEQC et R Duguy "Nouvelles données sur la contamina-
tion des cétacés par les organo-
chlorés".
- N:9 R Wagemann
Ref. MEQC and D C G Muir "Assessment of heavy metals and
organochlorine concentrations in
marine mammals of northern waters".
- N:10 A Bergman,
Ref. MEQC M Olsson and
L Reutergårdh "Lowered reproduction rate in seal
population and PCB. A discussion
of comparability of results and a
presentation of some data from
research on the Baltic seals".
- N:11 P J H Reijnders "Observation, catch and release of
walrus (Odobenus rosmarus) on the Isle
of Ameland, Dutch Wadden Sea".
- N:12 P J H Reijnders "Discussion on the possible influence
of the gradient of a sandbank on
the width of a seal track".
- N:13 S Innes and
Ref. Biol. K Ronald "Preliminary estimates of the cost
Oceanogr. of locomotion in seals".
Cttee
- N:14 K Keiver and
Ref. Biol. K Ronald "Digestible energy in harp seals".
Oceanogr.
Cttee

